- Remove "to a reasonable level" from the 1st bullet
- Editorial correction

-> Revised in R3-162062 (benefits to be captured in other section).
-> The TP is agreed unseen.

Decision: Noted

R3-161695	Consideration on RAN function split between CU and DU	CATT	discussion					FS_NR_newRAT	Rel-14	Revised
R3-162003	Consideration on RAN function split between CU and DU	CATT	discussion					FS_NR_newRAT	Rel-14	Revised
R3-162051	Consideration on RAN function split between CU and DU	CATT	discussion					FS_NR_newRAT	Rel-14	Noted

Discussion: Presented by Aijuan Liu (CATT).The following proposals are made:
1: support standard interface between CU and DU.
2: The number of standard interface between CU and DU should be as few as possible.
3: Non-ideal fronthaul case should be in high priority when considering standization of CU/DU function split.
4: Support and standardize the option of real-time functions in DU and non-real-time functions in CU.
5: Support ARQ function could be configured in either DU or CU to applied to different scnearios.

-> Offline_#54 (CATT):
- TP to provide an example of option 3 (with ARQ)
- TP to provide an example of option 3 (see R3-161811)
- Check TP from R3-161628 for any new alternatives or examples
- Separate subsections for TPs
-> Revised in R3-162003.
-> Revised in R3-162051.

-> The TP is agreed.

Decision: Noted

R3-161707	Analysis and Evaluation of Function Split options - Criterions	NEC	discussion					FS_NR_newRAT	Rel-14	Noted

Discussion: Presented by Chenghock Ng (NEC). It is proposed to use only the following factors for analysis and evaluation for the function split options:
For quantitative analysis/evaluation:
- Requirement on the transport bandwidth
- Requirement on the transport latency
For qualitative analysis/evaluation
- Inter Cell Coordination (e.g. advanced CoMP and scheduling optimization)
- Interface protocol complexity and forward compatibility

Zheng Zhou (Huawei): Does not agree with conclusion 1 (=reject option 8).

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Decision: Noted

10.5.2 Functional split benefits

Tdoc	Title	Source	Type	Spec	CR	Rev	Cat	WI	Rel	Decision
R3-161777	NR RAN internal functional split and interface	KT Corp.	discussion					FS_NR_newRAT	Rel-14	Noted

Discussion: Presented by Hasung Kim (KT Corp).This paper makes five proposals:
1: NR RAN functional splits of the Option 2 (3C-like split) and the Option 3 (intra-RLC split) should be supported at least.
2: High-RLC and Low-RLC of the Option 3 (intra-RLC split) should be split in terms of NRT and RT sub-functions of RLC protocol, respectively.
3: CU should have required common protocol functions to flexibly accommodate different DUs that have different protocol functions.
4: Open fronthaul interface between CU and DU should support the dynamic configuration of multiple functional splits.
5: NR RAN protocols and functional splits should support the smooth and low-cost RAN migration from NSA to SA operation.

Decision: Noted

R3-161773	Preferred NR Functional Splits and Considerations	AT&T	discussion					FS_NR_newRAT	Rel-14	Revised
R3-162004	Preferred NR Functional Splits and Considerations	AT&T	discussion					FS_NR_newRAT	Rel-14	Revised
R3-162063	Preferred NR Functional Splits and Considerations	AT&T	discussion					FS_NR_newRAT	Rel-14	Noted

Discussion: Presented by Vince Spatafora (AT&T). Four proposals are made:
1: Option 2 should be considered for full standardization.
2: Option 3 should be considered for full standardization.
3: Option 7 should be considered for full standardization for the downlink.
4: Option 7 should be considered for full standardization for the uplink based on the use of a linear compression technique.

- Option 2 - DC-like
- Option 3 - more robust from transport point of view and it has a better flow control
- Option 7 - FEC Processing to reside in the central unit and antenna processing to reside in the remote unit

-> Offline_#55 (AT&T)
- Justification and description with details of options 2 and 3
- Include the pros/cons from R3-161628
- Provide FFS if needed
-> Revised in R3-162004.

- "different" -> "non-ideal"
- Remove "If Option 3 is standardized for NR, it may be advantageous if the corresponding High RLC/Low RLC split for eLTE is also standardized. See Figure 6.X.X.X."
- Remove "After..." from the first section
- Option2, remove "multiple"
- Editorial in option 2: remove the first "allow"

-> The TP is agreed unseen in R3-162063.

Decision: Noted

R3-161810	Discussion of function split between CU/DU	CMCC	discussion					FS_NR_newRAT	Rel-14	Noted

Discussion: Presented by Boubacar Kimba dit Adamou (CMCC).
Decision: Noted

R3-161811	Architectural aspect of split options 3/5/7	CMCC	discussion					FS_NR_newRAT	Rel-14	Noted

Discussion: Presented by Boubacar Kimba dit Adamou (CMCC). This contribution discusses potential architectural aspect of split options 3, 5 and 7,
Decision: Noted

R3-161628	Analysis of Higher-Layer functional split option	Nokia, Alcatel-Lucent Shanghai Bell	discussion					FS_NR_newRAT	Rel-14	Noted

Discussion: Presented by Tsunehiko Chiba (Nokia). This paper proposes:
1: Segregate the higher-layer split options based on RT/NRT behaviour of RAN functions.
2: Place RAN functions as shown in Option 3 (ARQ function in CU), and then takes RAN2 decision of NR protocol stack into account.

Decision: Noted

R3-161784	The evaluation for different split options	ZTE Corporation	discussion					FS_NR_newRAT	Rel-14	Noted

Discussion: Presented by Yin Gao (ZTE).
Decision: Noted

Not Treated:

R3-161572	RAN functional split: MAC-PHY	Intel Corporation	discussion					FS_NR_newRAT	Rel-14	
R3-161573	RAN functional split: intra MAC	Intel Corporation	discussion					FS_NR_newRAT	Rel-14	
R3-161747	Justification for PDCP-RLC splitting	Huawei	discussion					FS_NR_newRAT	Rel-14	
R3-161762	RAN Functional Split Considerations for NR	Interdigital Asia LLC	discussion					FS_NR_newRAT	Rel-14	
R3-161763	RAN Functional Split Option Grouping	Interdigital Asia LLC	discussion					FS_NR_newRAT	Rel-14	
R3-161812	Text proposal for TP for split options architecture	CMCC	pCR	38.801				FS_NR_newRAT	Rel-14	
R3-161824	Selection of Split options between Central-Unit and	NTT DOCOMO, INC.	discus					FS_NR_newR	Rel-14	

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	Distributed-Unit		sion					AT		
R3-161898	RAN architecture scenarios requiring flexible design	Ericsson	discus sion	38.801				FS_NR_newR AT	Rel-14	

10.5.3 Additional consideration related to various functional split options

Tdoc	Title	Source	Type	Spec	CR	Rev	Cat	WI	Rel	Decision
R3-161813	Transport requirement for CU&DU functional splits options	CMCC	discus sion					FS_NR_newR AT	Rel-14	Revised
R3-162005	Transport requirement for CU&DU functional splits options	CMCC	discus sion					FS_NR_newR AT	Rel-14	Noted

Discussion: Presented by Yami Chen (CMCC). This document analyses all functional split options and provides transport requirements for CU&DU functional split options.

-> Offline_#56 (CMCC)
- Fill the table with CMCC values in italics/brackets, and add an Editor's Note explaining that these values are examples provided by LTE, to be replaced by NR values when available.
-> Revised in R3-162005.

- The TP is agreed

Decision: Noted

R3-161576	Fronthaul transport network aspects	Intel Corporation, KT Corp.	discus sion					FS_NR_newR AT	Rel-14	Noted

Discussion: Presented by Sasha Sirotkin (Intel). Intel proposes:
1: Capture transport network characteristics in the TR 38.801 to be used for functional split evaluation.
2: Agree on a limited number of transport network categories and their characteristics at least in terms of throughput and latency and to capture these in the TR 38.801.

Decision: Noted

R3-161785	The peak bitrate requirement for different split options	ZTE Corporation	discus sion					FS_NR_newR AT	Rel-14	Noted

Discussion: Presented by Yin Gao (ZTE). The following proposals are made:
1: The split option 6 of High-PHY and low-PHY can be further divided into Option 6A, Option 6B and Option 6C.
2: The definition and functions of High-MAC and Low-MAC need to be clarified in RAN2.
Note that the UL required bitrates and DL required bitrates for different split options can be different, which needs to be considered separately.
3: Evaluate the required bitrates for all options captured in 38.801 and together with sub-options of intra-PHY.

Decision: Noted

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10.5.4 Specification aspect

Tdoc	Title	Source	Type	Spec	CR	Rev	Cat	WI	Rel	Decision
R3-161577	Realization of Network Functions	Intel Corporation	discussion					FS_NR_newRAT	Rel-14	Revised
R3-162031	Realization of Network Functions	Intel Corporation	discussion					FS_NR_newRAT	Rel-14	Revised
R3-162065	Realization of Network Functions	Intel Corporation	pCR	38.801				FS_NR_newRAT	Rel-14	Revised
R3-162078	Realization of Network Functions	Intel Corporation	pCR	38.801				FS_NR_newRAT	Rel-14	Noted

Discussion: Presented by Sasha Sirotkin (intel). This paper observes:
1: RAN design in terms of NFs is both mandated by the SID and required to support network slicing, centralized and distributed deployments and NFV.
2: RAN design in terms of NFs as well as the study on which NFs can be virtualized is required for SA5 work on NFV.

- Can a protocol be seen as a function?
- NFV technology standardisation / implementation
- Relation with SA5?
- UP/CP vs. Protocol vs. NFs
- Start from requirements such as:
    5. RAN NFs shall be categorised as virtualizable or non-virtualizable, if any
    6. At least the centralised unit (CU) shall support virtualization, i.e., shall contain network functions that can be virtualised.
- Confirm the fact that RAN architecture shall allow virtualization
- Software vs. hardware dimension
- Is there a need for the standard? What are the objectives of the standard?

-> Offline_#70 (Intel)
- Capture requirement 6 as TP for TR
-> Revised in R3-162031.

- No convergence
-> Revised in R3-162065.

-> Add Editor's note: The definition of CU is FFS
-> Revised in R3-162078

-> The TP is agreed.

Decision: Noted

R3-161840	Further study of Specifying RAN interface between central and distributed units for NR	NTT DOCOMO INC.	discussion					FS_NR_newRAT	Rel-14	Noted

Discussion: Presented by Teruaki Toeda (NTT DOCOMO). This contribution provides NTT DOCOMO's assessment on what could be specified in 3GPP for the RAN interface between the central unit and the distributed unit for NR, and the following observations were made:

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1: It is assumed that at least the following types of signals should be specified for the interface between Central Unit and Distributed Unit to realize communication in a multi-vendor environment: (a) User data transport (i.e. U-plane), (b) Singalling for handling the user data (i.e. C-plane), and (c) Logical O&M associated with the control of logical resources owned by the Central Unit but physically implemented in the Distributed Unit (i.e. C&M-plane).
2: In addition, it should be studied for the following type of signal whether any specification for the interface between Central Unit and Distributed Unit would be beneficial/necessary: (d) Implementation specific O&M for Distributed Unit (i.e. M-plane).

-> Offline_#71 (NTT DOCOMO)
- Vendor specific procedure note
- The table covers all scenarios but standardised aspects are FFS
- The table illustrates the standard impact, if the interface is standardised
- Capture the table

- Before interface is defined, the split needs to be defined, including the functions.

Decision: Noted

Not Treated:

R3-161648	Consideration on the Fronthaul function split granularity	Samsung	discussion					FS_NR_newRAT	Rel-14	
R3-161649	Consideration on the tight interworking effect the split option	Samsung	discussion					FS_NR_newRAT	Rel-14	
R3-161674	Considerations on CU/DU functional split	Qualcomm Incorporated	discussion					FS_NR_newRAT	Rel-14	
R3-161708	How many splits in Function Split options and principles	NEC	discussion					FS_NR_newRAT	Rel-14	
R3-161748	Scope of RAN internal function split	Huawei	discussion					FS_NR_newRAT	Rel-14	
R3-161786	Discussion on CU-DU functional split	ZTE Corporation	discussion					FS_NR_newRAT	Rel-14	
R3-161802	Fronthaul split considerations	Mitsubishi Electric RCE	discussion					FS_NR_newRAT	Rel-14	
R3-161837	Specification aspects for RAN functional split	LG Electronics Inc.	discussion					FS_NR_newRAT	Rel-14	
R3-161900	RAN Architecture and Specification Aspects	Ericsson	pCR	38.801				FS_NR_newRAT	Rel-14	

10.5.5 Others

Tdoc	Title	Source	Type	Spec	CR	Rev	Cat	WI	Rel	Decision
R3-161901	Clarifications on fronthaul bitrate requirements	Ericsson	pCR	38.801				FS_NR_newRAT	Rel-14	Revised
R3-162006	Clarifications on fronthaul bitrate requirements	Ericsson	pCR	38.801				FS_NR_newRAT	Rel-14	Noted

Discussion: Presented by Angelo Cengtonza (Ericsson). This paper clarifies the bitrate requirements reported in TR38.801 for a fronthaul interface based on a baseband to RF split, namely based on a CPRI model. It is proposed to agree to the TP in this paper, which clarifies under what conditions the reported bitrate requirements in TR are calculated and that proposed another example of bitrate requirements for an optimised fronthaul setting.

-> Offline_#57 (Ericsson)
- Add "maximum"
- Discuss the possibility of 2nd set of values in the table
-> Revised in R3-162006.

Decision: Noted

R3-161899	Transport Network Topologies	Ericsson	pCR	38.801				FS_NR_newRAT	Rel-14	Noted

Discussion: Presented by Alex Vesely (Ericsson). This contribution briefly discusses transport network topologies as a further aspect for RAN architecture discussions.

-> Offline_#58 (Ericsson)
- Check if the TP is agreeable

Decision: Noted

R3-161647	Consideration on the deployment of function split	Samsung	discussion					FS_NR_newRAT	Rel-14	Revised
R3-162007	Consideration on the deployment of function split	Samsung	discussion					FS_NR_newRAT	Rel-14	Noted

Discussion: Presented by Hong Wang (Samsung). This paper discusses deployment scenarios for CU-DU split and provides a TP.

-> Offline_#59 (Samsung)
- Clarification on function split deployment
-> Revised in R3-162007

- Intel cannot agree the proposal.

Decision: Noted

10.6 Others

Tdoc	Title	Source	Type	Spec	CR	Rev	Cat	WI	Rel	Decision
R3-161587	WLAN/NR interworking	Intel Corporation	discussion					FS_NR_newRAT	Rel-14	Revised
R3-161995	WLAN/NR interworking	Intel Corporation	discussion					FS_NR_newRAT	Rel-14	Noted

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Discussion: Presented by Sasha Sirotkin (Intel). Two proposals are made:
1: Study both split bearer (3C bearers) and direct routing (1A bearers) for NR-WLAN tight interworking.
2: Attempt having similar architectures for NR-WLAN and LTE-NR tight interworking.

-> Offline_#47 (Intel):
- Pending figure to RAN2 means C-6 and C-7 without interface WT- NG-core; also rename WT
- Check the section offline
-> Revised in R3-161995.

Minuted on request: "RAN3 does not have the mandate today regarding the ToR to discuss an interface starting from CN and terminating in WLAN i.e., non-3GPP RAN. Guidance from SA2, SA or RAN is expected for further discussion in this area."

-> The TP is agreed.

Decision: Noted

R3-161774	Clarification on the use cases for relay scenarios	KDDI Corporation	discussion					FS_NR_newRAT	Rel-14	Revised
R3-161948	Clarification on the use cases for relay scenarios	KDDI, Mitsibishi Electric	discussion					FS_NR_newRAT	Rel-14	Noted

Discussion: Presented by Herve Bonneville (Mitsubishi Electric). This contribution discusses practical use cases for multi-hop relay. At this moment, there is no detailed description on practical use cases in TR38.801, so it is proposed to add additional sentences to show the practical use cases for multi hop relay and clarify the motivation why the multi-hop relay should be considered in 5G.

Decision: Noted

R3-161944	Response to R3-161774	Ericsson LM	response					FS_NR_newRAT	Rel-14	Noted

Discussion: Presented by Gino Masini (Ericsson). Ericsson's views on R3-161774 are as follows:
1: The practical relevance of the “relays in indoor building hotspots” scenario is questionable.
2: The street canyon scenario can also be addressed with network densification, small cells and/or lamp post sites.
3: In real life, the benefit of multi-hop relays and their advantage in terms of cost and capacity over other solutions for street canyons (e.g. small cells, lamp posts etc.) may be questionable.
4: RAN coverage along the tracks does not seem to constitute a specific use case for multi-hop relays.
5: Operators typically prefer other solutions (e.g. Wi-Fi, repeaters) to mobile relays for coverage on board high speed trains due to very practical reasons.

Decision: Noted

R3-161696	Considerations on wireless relay scenarios	CATT	discussion					FS_NR_newRAT	Rel-14	Revised
R3-161997	Considerations on wireless relay scenarios	CATT	pCR	38.801				FS_NR_newRAT	Rel-14	Noted

Discussion: Presented by Aijuan Liu (CATT). This contribution discusses wireless relays and observes:

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1: Wireless relay could be deployed in the scenario where small cell/dual connectivity could not be deployed.
2: Comparing with small cell, wireless relay could decrease the deployment cost.

-> Offline_#48 (CATT)
- Draft a comprimise TP for RN deployments
-> Revised R3-161997.

-> The TP is agreed.

Decision: Noted

R3-161943	Response to R3-161696	Ericsson LM	respon se					FS_NR_newR AT	Rel-14	Noted

Discussion: Presented by Gino Masini (Ericsson). Ericsson's response includes:
1: Wireless relays address coverage holes, while DC / small cells address capacity enhancement scenarios.
2: As network deployment grows, coverage holes are typically addressed by “natural” network densification and deployment-specific solutions.
3: The concept of “plug & play” in an operator-deployed RAN is questionable in real life.
4: The potential cost advantage of relays over e.g. small cells is only due to the missing connectivity to the core network; given the above considerations on deployment scenarios, this advantage appears questionable.

Decision: Noted

R3-161902	Automatic base station relations in NR	Ericsson	pCR	38.801				FS_NR_newR AT	Rel-14	Revised
R3-161998	Automatic base station relations in NR	Ericsson	pCR	38.801				FS_NR_newR AT	Rel-14	Noted

Discussion: Presented by Angelo Centonza (Ericsson). The following observations are made:
1: Given the ultra-lean principle, an introduction of any new signal or message over the radio interface, which are not directly related to the delivery of user data, needs to be carefully motivated.
2: Signals and messages can be transmitted on demand or regularly with a certain periodicity. The cost of transmission requests and broadcast periodicity also has to be assessed when evaluating new signals or messages.

And the proposals are:
1: Two types of relations, namely relations between base stations and relation between beams, are of most importance in NR and should be further studied.
2: We need to study further schemes for automatic base station relations that can cope with the NR requirements.

-> Offline_#49 (Ericsson)
- Refresh and reword the TP on base station relations
-> Revised in R3-161998.

-> The TP is agreed.

Decision: Noted

R3-162039	NR discussion status in RAN3#93 and way forward	NEC	discus					FS_NR_newR	Rel-14	Noted

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			sion					AT		

Discussion: Presented by Chenghock Ng (NEC).

- Contains the Way Forward for AI 10.
-> The Way Forward is endorsed.

Decision: Noted

11 Support for V2V services based on LTE sidelink (RAN1-led) WI

11.1 Authorization

Tdoc	Title	Source	Type	Spec	CR	Rev	Cat	WI	Rel	Decision
R3-161851	Vehicular Authorization Signaling over S1	Ericsson	CR	36.413	1418	4	B	LTE_SL_V2V-Core	Rel-14	Revised
R3-161968	Vehicular Authorization Signaling over S1	Ericsson, LGE Inc.	CR	36.413	1418	5	B	LTE_SL_V2V-Core	Rel-14	Agreed

Discussion: Presented by Gino Masini (Ericsson). This is an old baseline CR.

Jian Xu (LGE): The name of the IE has caused some concerns in SA2. Their preferred name would be V2X Services Authorised IE.
Luis Lopes (Qualcomm): Confirms LGE's concerns.
GM: It looks like SA1 and SA2 are concerned because "Vehicular Services" are not defined anywhere.

-> Offline_#30 (Ericsson)
- Change the name to "V2X Services Authorised" to align with SA1/SA2?
- Update the BL CRs.
-> Revised in R3-161968.

Decision: Agreed

R3-161852	Vehicular Authorization Signaling over X2	Ericsson	CR	36.423	0975	4	B	LTE_SL_V2V-Core	Rel-14	Revised
R3-161969	Vehicular Authorization Signaling over X2	Ericsson, LGE Inc.	CR	36.423	0975	5	B	LTE_SL_V2V-Core	Rel-14	Agreed

Discussion: Presented by Gino Masini (Ericsson).
-> Revised in R3-161969.

Decision: Agreed

Minuted on request: "The Vehicle UE IE applies to the sidelink only (V2V)".

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11.2 Other

Tdoc	Title	Source	Type	Spec	CR	Rev	Cat	WI	Rel	Decision
R3-161615	Discussion of PC5 and Uu interface switch for V2V	CATT	discussion					LTE_SL_V2V-Core	Rel-14	Noted

Discussion: Presented by Jiancheng Sun (CATT). This contribution discusses the switching between PC5 and Uu interface in case of Uu overload. It is proposed that the eNB should change the path configuration for V2V transmission, if applicable, when the Uu overload occurs.

- This is RAN2 related (Uu / PC5 switch).

Decision: Noted

R3-161616	Discussion on QoS requirements for V2V/V2X	CATT	discussion					LTE_SL_V2V-Core	Rel-14	Noted

Discussion: Presented by Jiancheng Sun (CATT). This contribution discusses the QoS requirements for V2X services and provides the following proposals:
1: In S1 interface, UE-PC5-AMBR could be provided to eNB via INITIAL CONTEXT SETUP REQUEST, UE CONTEXT MODIFICATION REQUEST, HANDOVER REQUEST and PATH SWITCH ACKNOWLEDGE messages.
2: In X2 interface, UE-PC5-AMBR should also be transferred to the target eNB in the HANDOVER REQUEST message.
3: RAN3 is requested to discuss and agree the attached CRs for the introduction of UE-PC5-AMBR.
4: No RAN3 impact is foreseen to support new QCI values defined for V2X service.

-> The preference is to implement AMBR in V2X.

Decision: Noted

R3-161617	Introduction of UE PC5 AMBR over S1	CATT	CR	36.413	1434		B	LTE_SL_V2V-Core	Rel-14	Noted

Discussion: Presented by Jiancheng Sun (CATT). This CR implements the proposals made by R3-161616 for 36.413.
Decision: Noted

R3-161790	Discussion on switching between Uu and PC5	LG Electronics Inc.	discussion					LTE_SL_V2V-Core	Rel-14	Noted

Discussion: Presented by Daewook Byun (LGE). This contribution proposes that there is no need to indicate the bearer for V2V traffic from the MME to the eNB and from the source to the target eNB.

-> OK, but results in no actions.

Decision: Noted

Not Treated:

R3-161618	Introduction of UE PC5 AMBR over X2	CATT	CR	36.423	0985		B	LTE_SL_V2V-Core	Rel-14	
R3-161807	UE-PC5-AMBR over S1	ZTE Corporation	CR	36.413	1442		B	LTE_SL_V2V-Core	Rel-14	
R3-161808	UE-PC5-AMBR over X2	ZTE Corporation	CR	36.423	0996		B	LTE_SL_V2V-Core	Rel-14	

-> V2V WI is completed for RAN3.

12 LTE-based V2X Services (RAN1-led) WI

Tdoc	Title	Source	WI	Rel	Source Tdoc	Response To	Contact Company	Decision
R3-161561	LS Response on QoS requirements for V2X (To: RAN2, RAN3)	SA2	FS_V2XARC	Rel-14	S2-163081		Huawei	Noted

Discussion: Presented by Zheng Zhou (Huawei).

- Before implementing V2X features, RAN3 should inform SA2.

Decision: Noted

12.1 SC-PTM and MBSFN architecture

Tdoc	Title	Source	Type	Spec	CR	Rev	Cat	WI	Rel	Decision
R3-161591	Discussion on support of small and variable areas	LG Electronics Inc.	discussion					LTE_V2X-Core	Rel-14	Noted

Discussion: Presented by Daewook Byun (LGE). This contribution focuses on DL transmission in small areas based on geographical information relevant to support of small and variable areas. For single TMGI and multiple TMGIs based solutions, the following proposal are made:
1: Single TMGI based solution should be selected as the way forward.
2: RAN3 should discuss whether the maximum MBMS SAI value needs to be extended or not.

Hong Wang (Samsung): Max MBMS SAI value is not for RAN3 to define.
Steven Xu (Nokia): For proposal 2, the extension is not needed.

Decision: Noted

R3-161619	Further evaluation of solutions for V2X transmission	CATT	discus sion					LTE_V2X-Core	Rel-14	Noted

Discussion: Presented by Jiancheng Sun (CATT). This paper proposes tha the multiple TMGIs based solution and Option 2 of single TMGI based solution should be taken as base alternatives for V2X message transmission in small broadcast areas.
- Multiple TMGI can impact the UE.

Decision: Noted

R3-161655	Discussion on supporting small and variable areas in V2X	Nokia, Alcatel-Lucent Shanghai Bell	discus sion					LTE_V2X-Core	Rel-14	Noted

Discussion: Presented by Steven Xu (Nokia). This contribution analyses the transmission of V2X packets in different broadcast areas. Given teh SA2 conclusion, it is preferred to first consider Option 2 and Option 4.

Jian Xu (LGE): SA2's conclusion was no optimization.

Decision: Noted

R3-161630	DL transmission in small areas	Huawei	discus sion					LTE_V2X-Core	Rel-14	Noted

Discussion: Presented by Zheng Zhou (Huawei). This contribution compares the single TMGI solution and multiple TMGIs solution, Considering the UE processing load and signaling burden, it is proposed to select Single TMGI based solution to support DL transmission in small areas.

Decision: Noted

R3-161806	Discussion on small and variable broadcast area in V2X	ZTE Corporation	discus sion					LTE_V2X-Core	Rel-14	Noted

Discussion: Presented by Yuqin Chen (ZTE). This paper compares the TMGI based solutions, but it does not make any recommendation on which one to adopt.
Decision: Noted

****

WA: Option2 uses single TMGI in non-overlapping MBMS Service Areas, and Option4 uses Multiple TMGIs when there is no MBMS Service Area overlap. These options have no standards impact from RAN3 point of view.

-> Offline_#31 (LGE)
- LS out to RAN2
  - Impact on RAN2 for opt4 on multiple TMGI
  - Clarify the number of TMGI per service per area; what is the consequence on latency?
- In R3-161970

R3-161970	[DRAFT] LS on Multiple TMGIs for support of small and variable MBMS areas (To: RAN2)	LGE	LS out					LTE_V2X-Core	Rel-14	Revised
R3-162066	[DRAFT] LS on Multiple TMGIs for support of small and	LGE	LS out					LTE_V2X-	Rel-14	Agreed

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	variable MBMS areas (To: RAN2; Cc: SA2)							Core		
R3-162067	LS on Multiple TMGIs for support of small and variable MBMS areas (To: RAN2; Cc: SA2)	RAN3	LS out					LTE_V2X-Core	Rel-14	Approved

Discussion: Presented by Jian Xu (LGE).

- The last sentence of "Overall Description", remove "with possible consequences on latency".
- RAN2 WG2 -> RAN WG2
- Cc: SA2
-> Agreed unseen n R3-162066, Final LS in R3-162067.

Decision: Approved

R3-161620	Discussion on Localized MBMS architecture	CATT	discussion					LTE_V2X-Core	Rel-14	Noted

Discussion: Presented by Jiancheng Sun (CATT). RAN3 is requested to capture the Localized MBMS Architectures TP into TS 36.300.
Decision: Noted

R3-161661	Geo broadcast	Nokia, Alcatel-Lucent Shanghai Bell	discussion					LTE_V2X-Core	Rel-14	Noted

Discussion: Presented by Steven Xu (Nokia). This paper discusses the need for MBMS enhancements to support DL transmission in small areas based on geographical information. The analysis consideres the current status of related discussions in SA2. Two proposals are made:
1: It should be careful considered by 3GPP whether MBMS needs to be optimize for broadcasting in areas smaller than a cell preferably based on some knowledge about typical sizes of the target area of V2X messages rather than just based on possible sizes known from existing V2X systems.
2: If optimized support for broadcast in areas smaller than a cell is deemed beneficial, the support for such operation should be introduced through enhancements working in conjunction with V2X server already selecting the appropriate MBMS broadcast area through the combination of MBMS SAIs and ECGIs.

-> Pending to RAN2

Decision: Noted

12.2 Authorization

Tdoc	Title	Source	Type	Spec	CR	Rev	Cat	WI	Rel	Decision
R3-161588	Discussion on authorization for Pedestrian UEs	LG Electronics Inc.	discussion					LTE_V2X-Core	Rel-14	Noted

Discussion: Presented by Jian Xu (LGE). This contribution focuses on the issue on whether to differentiate UE type for authorization from sidelink radio resource point of view. It is proposals that an additional indication of authorization is required for P-UE from the MME to eNB.

-> WA: The principle of P-UE authorization.
-> Rapporteur to provide CRs

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- Check the name of the new IE.

Decision: Noted

R3-161903	Authorization for Pedestrian Operation	Ericsson	discussion					LTE_V2X-Core	Rel-14	Noted

Discussion: Presented by Gino Masini (Ericsson).This paper proposes to introduce a new Pedestrian Operation IE in S1AP and X2AP.
Decision: Noted

Not Treated:

R3-161589	Authorization of vehicular communication over S1	LG Electronics Inc.	CR	36.413	1433		B	LTE_V2X-Core	Rel-14	
R3-161590	Authorization of vehicular communication over X2	LG Electronics Inc.	CR	36.423	0984		B	LTE_V2X-Core	Rel-14	
R3-161631	Authorization for Pedestrian UE	Huawei	discussion					LTE_V2X-Core	Rel-14	
R3-161632	Introduction of Pedestrian UE Authorization	Huawei	CR	36.413	1436		B	LTE_V2X-Core	Rel-14	
R3-161633	Introduction of Pedestrian UE Authorization	Huawei	CR	36.423	0987		B	LTE_V2X-Core	Rel-14	
R3-161651	Authorization for pedestrian Ues	Samsung	discussion					LTE_V2X	Rel-14	

12.3 Others

Tdoc	Title	Source	Type	Spec	CR	Rev	Cat	WI	Rel	Decision
R3-161656	Multiple Operator support in V2X	Nokia, Alcatel-Lucent Shanghai Bell	discussion					LTE_V2X-Core	Rel-14	Noted

Discussion: Presented by Steven Xu (Nokia). This contribution analyses multiple operator support in V2X. It is proposed that RAN3 should discuss how to provide both V2X and non-V2X services to the UE in Usage Scenario 2. The potential issues include:
- Whether V2X cell uses dedicated PLMN ID, or the PLMN IDs of the related LTE operators.
- How can the UE know this is a V2X cell that only provides V2X services?
- How can the network ensure only V2X service is provided on the V2X cell?
- In Dual-connectivity case, how can the eNB ensure only V2X-related bearer is offloaded to the V2X cell?

Decision: Noted

R3-161835	Support of inter-PLMN for PC5 and Uu	LG Electronics Inc.	discussion					LTE_V2X-Core	Rel-14	Noted

Discussion: Presented by Jian Xu (LGE). This contribution proposes that for supporting inter-PLMN for both PC5 and Uu, RAN3 should wait for the conclusion of RAN1/2/4 and then take further action on this issue if necessary.

-> Pending to RAN1/2/4.

Decision: Noted

****

-> Offline_#32 (LGE)
- WF
- capture agreements and open issues
- In R3-161971.

R3-161971	Way forward for "LTE-based V2X Services WI" in RAN3	LGE	discussion					LTE_V2X-Core	Rel-14	Noted

Discussion: Presented by Jian Xu (LGE)
-> The Way Forward is endorsed.
.
Decision: Noted

R3-161634	Considerations on UE-PC5-AMBR	Huawei	discussion					LTE_V2X-Core	Rel-14	Noted

Discussion: Presented by Zheng Zhou (Huawei).
Decision: Noted

Not Treated:

R3-161635	Introduction of UE-PC5-AMBR	Huawei	CR	36.413	1437		B	LTE_V2X-Core	Rel-14	
R3-161636	Introduction of UE-PC5-AMBR	Huawei	CR	36.423	0988		B	LTE_V2X-Core	Rel-14	

13 Multi-Carrier Enhancements for UMTS (RAN1-led) WI

This session was chaired by Vice Chairman Martin Israelsson.

Tdoc	Title	Source	WI	Rel	Source Tdoc	Response To	Contact Company	Decision
R3-161552	LS on RAN2 aspects on MC enhancements	RAN2	FS_UTRA_Mce	Rel-14	R2-164352		Huawei	Noted

	(To: RAN1; Cc: RAN3)							

Discussion: Presented by Liwei Qiu (Huawei).
Decision: Noted

Tdoc	Title	Source	Type	Spec	CR	Rev	Cat	WI	Rel	Decision
R3-162040	Session Report: Multi-Carrier Enhancements for UMTS	Vice Chairman	report					UTRA_Mce	Rel-14	Noted

Discussion: Presented by Martin Israelsson (Vice Chairman).
Decision: Noted

R3-161848	Possible impacts of Multi-carrier enhancements	Huawei	discus sion					UTRA_MCe	Rel-14	Noted

Discussion: Presented by Liwei Qiu (Huawei). Two proposals:
1: Discuss and agree the modification of radio link related messages to support RRC configuration procedure for MC enhancements: the IE “E-TTI” and “Reference E-TFCI Information” shall be added for secondary UL frequency.
2: Discuss and agree the possible RAN3 impacts brought by enhanced TTI switching.

- Commented that TTI switching should be handled with lower priority.

-> It was agreed to add "E-TTI" for the secondary UL frequency
-> On adding "Reference E-TFCI Information" for the secondary UL frequency, it was commented that maybe something more is also needed.

Decision: Noted

R3-161904	Work Item: Multi-Carrier Enhancements for UMTS	Ericsson	discus sion					UTRA_MCe	Rel-14	Noted

Discussion: Presented by Nianshan Shi (Ericsson). This contribution provides an overview of Multi-Carrier enhancements for UMTS, and proposes:
1: Add the E-TTI IE in the related IE groups handling the Additional E-DCH Cell.
2: Add new cell capabilities to indicate Node B support.
3: Discuss how to solve the ambiguity.
4: Discuss the impact from this object when further progress is achieved from the RAN1/RAN2 groups.

-> Proposal 1 is agreed
- Regarding proposal 3, the potential ambiquity may happen when E-TTI IE is not present in the message during secondary E-DCH carrier reconfiguration.

Decision: Noted

14 RRC Optimization for UMTS (RAN2-led) WI

This session was chaired by Vice Chairman Martin Israelsson.

Tdoc	Title	Source	Type	Spec	CR	Rev	Cat	WI	Rel	Decision
R3-162041	Session Report: RRC Optimization for UMTS	Vice Chairman	report					UTRA_RRCopt-Core	Rel-14	Noted

Discussion: Presented by Martin Israelsson (Vice Chairman).
Decision: Noted

R3-161905	Work Item: RRC Optimization for UTRAN	Ericsson	discussion					UTRA_RRCopt-Core	Rel-14	Noted

Discussion: Presented by Nianshan Shi (Ericsson). This document is just to confirm that the WI is closed from RAN3 point of view; there is no action for RAN3.
Decision: Noted

-> The WI is completed from RAN3 point of view.

15 eMBMS enhancements in LTE (RAN1-led) WI

Tdoc	Title	Source	WI	Rel	Source Tdoc	Response To	Contact Company	Decision
R3-161563	LS out on RAN impacts from enTV study of SA WG2 (To: RAN2, RAN3)	SA2	FS_AE_enTV	Rel-14	S2-163212		Qualcomm	Noted

Discussion: Presented by Luis Lopes (Qualcomm). In this LS SA2 requests feedback from the following issues:
- The feasibility of MBSFN synchronization area spanning within and across PLMNs (Option A) from RAN perspective.
- On the realization of an inter-PLMN M3* reference point (Option B1) and on inter-PLMN M1* reference point (used by all options).

Decision: Noted

Tdoc	Title	Source	Type	Spec	CR	Rev	Cat	WI	Rel	Decision
R3-161906	MBMS Distribution across Multiple PLMNs	Ericsson	discussion					MBMS_LTE_enh2-Core	Rel-14	Noted

Discussion: Presented by Gino Masini (Ericsson). Ericsson claims that a RAN3 point of view the inter-PLMN M1* does not have any impact on RAN3 specifications, but only on deployment.

Decision: Noted

R3-161657	Discussion on RAN3 impacts from enTV study in SA WG2	Nokia, Alcatel-Lucent Shanghai Bell	discussion					FS_AE_enTV	Rel-14	Noted

Discussion: Presented by Steven Xu (Nokia). This contribution analyzes the questions from SA2 and observes:

1: Current M2 specification does not prevent a MBSFN synchronization area spanning within and across PLMNs. It is rather a deployment issue that operators configure their eNBs synchronize to a same source, and configured with same MBSFN Synchronisation Area Id.
2: Option A is different to current network sharing, and may need further analysis regarding when the eNBs from one operator can connect to MCE from another operator.
3: Inter-PLMN M3 and M1 are already supported in current network sharing.

Decision: Noted

R3-161679	Analysis of RAN impacts from enTV study of SA2	Qualcomm Incorporated	discussion					FS_AE_enTV	Rel-14	Noted

Discussion: Presented by Luis Lopes (Qualcomm). Qualcomm concludes:
1: There do not seem to be fundamental blocks to allowing operation of the M2 interface across PLMNs. Some aspects may require spec clarification, and some level of coordination is required in deployments. Coordination of MCCH updates requires timing coordination between shared MCE and involved eNBs.
2: MBSFN operation, and particularly the SYNC protocol, require multiple timing coordination aspects between operators which could be solved by having agreed parameters and synchronization sources specific to F3 operation (requirements for coordination or enhanced signalling could be further studied if needed).
3: Although there are a number of aspects requiring clarification (and coordination may be required), there do not seem to be fundamental blocks to allowing operation of the M3 interface across PLMNs.

Gino Masini (Ericsson): Challenges observation 1 since there are fundamental blocks in this case.

Decision: Noted

R3-161680	[DRAFT] Reply LS on RAN impacts from enTV study of SA WG2 (To: SA2)	Qualcomm Incorporated	LS out					FS_AE_enTV	Rel-14	Revised
R3-161957	[DRAFT] Reply LS on RAN impacts from enTV study of SA WG2 (To: SA2, Cc: RAN2)	Qualcomm Incorporated	LS out					FS_AE_enTV	Rel-14	Agreed
R3-162068	Reply LS on RAN impacts from enTV study of SA WG2 (To: SA2, Cc: RAN2)	RAN3	LS out					FS_AE_enTV	Rel-14	Approved

Discussion: Presented by Luis Lopes (Qualcomm). This LSout provides answers to SA2's questions, as proposed by Qualcomm.

-> Offline_#20 (Qualcomm):
- Emphasis the issue on deployment aspects for synchronisation via multiple operators.
- Shared case for multiple MCE
-> Revised in R3-161957.

-> Agreed, Final LS in R3-162068.

Decision: Approved

16 DTX/DRX enhancements in CELL_FACH (RAN2-led) WI

This session was chaired by Vice Chairman Martin Israelsson.

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Tdoc	Title	Source	WI	Rel	Source Tdoc	Response To	Contact Company	Decision
R3-161549	LS on HS-SCCH DRx Design in Cell Fach (To: RAN2, RAN3)	RAN1	FACH_DTXDRX-Core	Rel-14	R1-165512		Qualcomm	Noted

Discussion: Presented by Luis Lopes (Qualcomm). In this LS, RAN1 informs RAN2 and RAN3 about its progress regarding FACH_DTXDRX-Core WI.
Decision: Noted

Tdoc	Title	Source	Type	Spec	CR	Rev	Cat	WI	Rel	Decision
R3-162042	Session Report: DTX/DRX enhancements in CELL_FACH	Vice Chairman	report					FACH_DTXDRX-Core	Rel-14	Noted

Discussion: Presented by Martin Israelsson (Vice Chairman).
Decision: Noted

R3-161849	DTX/DRX enhancements in CELL_FACH	Huawei	discussion					FACH_DTXDRX-Core	Rel-14	Noted

Discussion: Presented by Liwei Qiu (Huawei). This contribution provides analysis of RAN3 impacts for DTX/DRX enhancement in CELL_FACH.
Decision: Noted

R3-161907	DTX/DRX enhancements in CELL_FACH	Ericsson	discussion					FACH_DTXDRX-Core	Rel-14	Noted

Discussion: Presented by Nianshan Shi (Ericsson). This paper has two proposals:
1: When decision is made by the other RAN groups to enable the network to schedule the UE in more than on subframes, HS-DSCH Rx burstFACH IE can be extended to include the new values.
2: When decision is made by the other RAN groups to enable 640 ms mode in HS-SCCH /HS-DSCH DRX in CELL FACH mode, HS-DSCH DRX cycleFACH IE can be extended to include the new value.

- Huawei is fine with these changes, provided that they are first agreed in other WGs.

Decision: Noted

17 Study on enhancement of VoLTE (RAN2-led) SI

Tdoc	Title	Source	Type	Spec	CR	Rev	Cat	WI	Rel	Decision

18 Other WI/SIs with impact on RAN3

18.1 Rapporteur SID summary

18.2 Band completion

18.3 Other

19 Further Enhancements to LTE Device to Device, UE to Network Relays for IoT and Wearables (RAN2-led) SI

Tdoc	Title	Source	Type	Spec	CR	Rev	Cat	WI	Rel	Decision

20 Further Mobility enhancement in LTE (RAN2-led) WI

Tdoc	Title	Source	WI	Rel	Source Tdoc	Response To	Contact Company	Decision
R3-161551	Reply LS on the feasibility of mobility enhancement solutions (To: RAN2; Cc: RAN3, RAN4)	RAN1	LTE_eMob-Core	Rel-14	R1-165996		ZTE	Noted

Discussion: Presented by Li Yang (ZTE). Contains RAN1 questions on the topic for RAN4.
Decision: Noted

R3-161557	Reply LS on the feasibility of mobility enhancement solutions (To: RAN2; Cc: RAN1, RAN3)	RAN4	LTE_eMob-Core	Rel-14	R4-164096		ZTE	Noted

Discussion: Presented by Li Yang (ZTE). Contains RAN4's response.
Decision: Noted

R3-161942	Reply LS on the feasibility of mobility enhancement solutions (To: RAN2; Cc: RAN4, RAN3)	RAN1	LTE_eMob-Core	Rel-14	R1-166053		ZTE	Noted

Discussion: Presented by Li Yang (ZTE). Contains further answers by RAN1.

Decision: Noted

Tdoc	Title	Source	Type	Spec	CR	Rev	Cat	WI	Rel	Decision
R3-161614	Solutions for the LTE mobility enhancements and analysis of their network side impact	Samsung	discussion					LTE_eMob-Core	Rel-14	Noted

Discussion: Presented by Lixiang Xu (Samsung). In this discussion paper we have presented our view and the technical analysis on the RAN3 functional impact from introduction of different mobility enhancements schemes, in particular RACH-less solution and maintaining source eNB connection. As a summary of the preliminary findings, RACH-less handover procedure does not seem to have any RAN3 impact for both single- and dual-connectivity scenarios. As for the family of solutions that are based on maintaining source (S)eNB connection, we can re-use existing principles and functionalities and the overall specification impact can be quite marginal.

Li Yang (ZTE): Some down-selection is done in RAN2 but no impact for RAN3 is foreseen yet.
Aijuan Liu (CATT): Multiple solutions for make before break?

Decision: Noted

R3-161598	Data forwa#rding issues for solution 2	ZTE Corporation	discussion					LTE_eMob-Core	Rel-14	Noted

Discussion: Presented by Li Yang (ZTE). This contribution discusses the DL data forwarding/SN Status Transfer behaviours with solution 2, and summarizes the following options:
1: The source eNB starts DL data forwarding/SN Status Transfer to the target eNB as soon as the source eNB receives the HANDOVER REQUEST ACKNOWLEDGE or transmits the handover command.
2: The source eNB starts DL data forwarding/SN Status Transfer after the target eNB receives the RRC Connection Reconfiguration Complete.
3a: based on Option 1, the source eNB starts DL data forwarding/SN Status Transfer to the target at the early enough timing point, and continue sending the DL SN Status Transfer periodically.
3b: based on Option 2, the source eNB starts DL data forwarding/SN Status Transfer after the target eNB receives the dedicated RACH Preamble from UE.
ZTE prefers option 3a or option 3b or other appropriate methods for the DL data forwarding and SN status transfer.

Hakon Helmers (Nokia): SN Status Transfer repetition may result in a risk of confusion in the target eNB.
Lixiang Xu (Samsung): We should separate DL and UL discussion. DL forwarding can be used whenever SeNB so decides.

Decision: Noted

R3-161599	Signaling procedures for Solution 2: Including both SeNB change/SC HO/DC HO	ZTE Corporation	discussion					LTE_eMob-Core	Rel-14	Noted

Discussion: Presented by Li Yang (ZTE). This contribution discusses the detailed impacts on TS 36.423 (X2AP) while introducing the solution 2 (i.e. the make-before-break solution).

- Solution for make-before-break is pending to RAN2.
- What is the trigger for the new forwarding procedure?

Decision: Noted

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R3-161600	MRO Issue for solution 2	ZTE Corporation	discussion					LTE_eMob-Core	Rel-14	Noted

Discussion: Presented by Li Yang (ZTE). This contribution further discusses the MRO issues with the make-before-break solution 2 and proposes:
1: Update the definition for “Too Early Handover” MRO scenario to include the abovementioned unnecessary handover attempt case.
2: Discuss how to detect abovementioned unnecessary handover attempt case. The scheme for potential UE relevant reporting is up to RAN2’s discussion and decision.

Lixiang Xu (Samsung): There is no specification defining when the SeNB triggers the HO. Also, the goal is to reduce the delay and not to change the HO policy.
-> no RAN3 agreement on this comment

Decision: Noted

R3-161822	Discussion on data forwarding for make before break solution	CATT	discussion					LTE_eMob-Core	Rel-14	Revised
R3-161949	Discussion on data forwarding for make before break solution	CATT	discussion					LTE_eMob-Core	Rel-14	Noted

Discussion: Presented by Aijuan Liu (CATT). This document lists three options on how to perform data forwarding for make before break solution. The following observations are made:
1: The optimization of interruption time needs to consider the impact of forwarding delay over X2 when a connected state UE moves between different eNBs.
2: The final interruption time of option 1.1 is always the bigger value between X(the delay of X2 interface) and Y(the time duration of UE access to the target node).
3: The downlink interruption time of option 1.2 is Y+ 2* X.
Therefore CATT proposes to adopt option 1.1 as data forwarding mechanism for make before break solution.

Decision: Noted

****

RACHless solution should not have impact on RAN3 -> agreed

****

Make-before-break:
- several solutions still available in RAN2

Impact on RAN3:
- Current specification allows flexible implementation which removes the need for make-before-break solution
- SN Status Transfer repetition?
- teNB requests the data forwarding to the SeNB (results in new IE + new procedure), teNB decides or not to maintain the forwarding
- stage-2 decryption only
- data transfer on Uu and X2 at the same time

By next meeting, try to select one solution

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-> Offline_#21 (ZTE):
- WF document
- In R3-161958.

R3-161958	Way Forward for LTE_eMob after RAN3#93	ZTE	discussion					LTE_eMob-Core	Rel-14	Noted

Discussion: Presented by Li Yang (ZTE)

-> The Way Forward is endorsed.

Decision: Noted

21 Signalling reduction to enable light connection for LTE (RAN2-led) WI

Tdoc	Title	Source	WI	Rel	Source Tdoc	Response To	Contact Company	Decision
R3-161553	LS on RAN initiated paging for the light connection (To: RAN3)	RAN2l	LTE_LIGHT_CON-Core	Rel-14	R2-164545		Huawei & Intel	Noted

Discussion: Presented by Mingzeng Dai (Huawei). RAN2 agreed that the S1 connection of a "lightly connected" UE is kept and active, in order to hide the mobility and state transitions from the CN. From RAN2 perspective, for the "lightly connected" UE, the RAN initiated paging is feasible and beneficial in terms of signalling reduction as well as decreasing the latency. Thus the RAN initiated paging can be introduced from RAN2 perspective.

Decision: Noted

Tdoc	Title	Source	Type	Spec	CR	Rev	Cat	WI	Rel	Decision
R3-161582	Benefits of Light connection over Suspend-Resume procedure	Intel Corporation	discussion					LTE_LIGHT_CON-Core	Rel-14	Noted

Discussion: Presented by Sangeetha Bangolae (Intel). This paper proposes:
1. To maintain the S1 connection while the UE is lightly connected to hide the mobility and state transition from the core network and thereby eliminate the associated signalling messages i.e. the S1 signalling to suspend/resume context is not necessary.
2. To agree that it is up to eNB decision when to suspend the UE into light connection, taking into consideration, for example, UE traffic and mobility pattern behaviour.

-> eNB maintains the S1 connection while the UE is lightly connected.

Decision: Noted

R3-161652	Legacy functionality impact result from RAN initiated paging	Samsung	discussion					LTE_LIGHT_CON-Core	Rel-14	Noted

Discussion: Presented by Xiaowan Ke (Samsung). This paper provides and analysis of impacts from RAN initiated paging.

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Tabular -1 Summary of impacts result from RAN initiated paging

feature	Impacts
CSFB	**MME response the MSC's paging request too early. Impact the calling party's user experience**
PSM	**UE requesting PSM wants to sleep (no idle mode behavior) to save power when disconnects to the network.** **The eNB doesn't know the UE's PSM request and may configure the UE in light connection. The RAN initiated paging cannot reach UE and the anchor eNB relocation may not supported.**
High latency communication	**For delay tolerant DL data, the eNB doesn't know whether to buffer the DL data in case the UE unreachable (e.g. No Paging response)**
MME Load Balancing	**S1 Release with cause "load balancing TAU required". However, the UE already disconnected. The indication of "load balancing TAU required" cannot be sent to the UE.**

- Does RAN based paging apply also to CP? Probably yes...
- Correct the impacts in the table.

Decision: Noted

R3-161718	Principles of Light Connection	Huawei	discussion					LTE_LIGHT_CON-Core	Rel-14	Noted

Discussion: Presented by Xuelong Wang (Huawei). This contribution discusses the general aspects for lightly connected UE and proposes to agree the principles of light connection:
- S1 connection is kept and active in anchor eNB
- The ECM state is ECM-CONNECTED
- Performs cell reselection based mobility
- Support of RAN initiated paging and paging area update.
- UE context transfer from anchor eNB to a new serving eNB.

-> The previous agreement on UE lightly connected, means also that the MME sees the UE as ECM connected.

Decision: Noted

R3-161583	Benefits of RAN based paging (light connection)	Intel Corporation	discussion					LTE_LIGHT_CON-Core	Rel-14	Noted

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Discussion: Presented by Sangeetha Bangolae (Intel). Intel proposes to maintain the S1 connection while the UE is lightly connected to hide the mobility and state transition from the core network and thereby eliminate the associated signalling messages. i.e. UE context suspend/resume procedures.

- Do we need an explicit definition of the light connected area?
- When the UE contacts the network, e.g., by moving outside the Light Connected Area, we restart the game

Decision: Noted

R3-161876	Solutions for signaling reduction in Light Connected mode	Nokia, Alcatel-Lucent Shanghai Bell, NTT DOCOMO INC.	discussion					LTE_LIGHT_CON-Core	Rel-14	Noted

Discussion: Presented by Philippe Godin (Nokia). This paper compares multiple candidate solutions to fulfil the following WI requirement involving RAN3 of signalling reduction associated with light connected state: "Signaling reduction to CN over S1 due to mobility and state transitions by hiding them through CN".

Alex Vesely (Ericsson): Would like to see one more solution: do nothing and rely on the existing TA concept as a baseline.

Decision: Noted

R3-161930	Discussion on paging for a lightly connected UE	LG Electronics Inc.	discussion					LTE_LIGHT_CON-Core	Rel-14	Noted

Discussion: Presented by Seokjung Kim (LGE). This contribution focuses on the open issues for the paging in a lightly connected UE and provided our view on it. The following proposals are made:
1: The MME should keep the S1 connection of the lightly connected UE while there is no traffic.
2: X2 paging should be supported for the lightly connected UE.
3: The MME should know which eNB takes a role of the anchor eNB.

Chairman: Proposal 1 is already covered. Lets concentrate on proposal 3.

-> Proposal 3 is implicitly covered by existing agreements.

Decision: Noted

R3-161622	Discussion on RAN initiated paging	CATT	discussion					LTE_LIGHT_CON-Core	Rel-14	Noted

Discussion: Presented by Jiancheng Sun (CATT). The following proposals are made:
1: No impact to S1 interface is foreseen to support the state transitions between connected and "lightly connected" state.
2: New X2 paging procedure should be introduced to support paging in non-anchor eNBs, details are FFS.
3: Resume ID/truncated Resume ID could be used as UE_ID to calculate the paging occasion for a lightly connected UE.
4: X2 UE context retrieval procedure defined for NB-IoT/CIoT could be reused to transfer the UE context to the new eNB, and this procedure could implicitly indicate the anchor eNB to stop RAN initiated paging.
5: Path Switch procedure could be reused to switch downlink GTP tunnel towards the target eNB.
6: Paging retransmission should be done in RAN by the anchor eNB, details are pending to RAN2.

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- New Paging Identity index?

Decision: Noted

R3-161653	The required features analysis for RAN initiated paging	Samsung	discussion					LTE_LIGHT_CON-Core	Rel-14	Noted

Discussion: Presented by Xiaowan Ke (Samsung). This paper focuses on the required features for the RAN initiated paging. It is proposed:
1: Consider the two scenarios for inter eNB data forwarding requirement.
2: Consider the data forwarding requirement for DL NAS PDU.
3: The RAN initiated paging is not relayed over S1.
4: An area for anchor eNB relocation should be configured for the UE. Once the UE moves out of the configured area of the anchor eNB, the UE should reconnect to the network to relocate the anchor eNB.
5: For anchor eNB relocation, if there is X2 interface between the old eNB and the new eNB, the X2 based UE context retrieve procedure could be reused
6: For anchor eNB relocation, if there is no X2 interface between the old eNB and the new eNB, the initial UE context setup should be used.

-> The eNB initiates RAN paging when it receives DL data from SGW.

Decision: Noted

R3-161719	Evaluation on RAN initiated paging and MME initiated paging	Huawei	discussion					LTE_LIGHT_CON-Core	Rel-14	Noted

Discussion: Presented by Xuelong Wang (Huawei). This paper provides justification for RAN initiated paging.
Decision: Noted

R3-161720	RAN initiated paging	Huawei	discussion					LTE_LIGHT_CON-Core	Rel-14	Noted

Discussion: Presented by Mingzeng Dai (Huawei). This contribution analyses the concept of RAN initiated paging, including RAN based paging area configuration, RAN based PAU, and RAN based Paging, and makes the following conclusions:
1: the anchor eNB configures the RAN based Paging area (i.e. a list of cells) to the lightly connected UE.
2: which cells to be included in the RAN based Paging area of the UE is anchor eNB implementation, it may only include cells belong to the anchor eNB, it may include cells belong to multiple eNBs.
3: RAN based PAU will trigger X2 or S1 UE context fetch from new eNB to anchor eNB.
4: In order to page the UE in Uu interface, the eNB needs to get the paging related information of the UE for example UE DRX information, UE paging ID, etc.
5: in case RAN based Paging area of the UE includes cells belongs to multiple eNBs, X2 PAGING will be triggered by the anchor eNB.
It is proposed to agree these conclusions, and further discuss and introduce the following aspects in RAN3 to support RAN initiated paging:
- X2 and S1 UE context fetch procedures
- eNB to get the paging related information of the UE
- X2 PAGING

RAN paging:
- eNB decides which cells to page when it receives DL data -> This is a new WA.
- Paging over X2 (no agreement)

Decision: Noted

R3-161896	On RAN paging with CN assistance	Ericsson	pCR	38.801				FS_NR_newRAT, LTE_LIGHT_CON-Core	Rel-14	Noted

Discussion: Presented by Alex Vesely (Ericsson).
- Paging assistance and action if the UE is not reachable by the eNB paging (no agreement).

Decision: Noted

****

Do we need an explicit definition of the light connected area?
-> no agreement

Rely on existing TA concept as a baseline, LC is maintained across the TA. However, it should be possible to keep the LC in a single eNB.
-> no agreement

Pending to RAN2, or decision in RAN3?

****

Consequence of Paging over X2, context fetch, etc.
-> no agreement

****

-> Offline_#23 (Huawei)
- Can RAN paging be extended over the cells of an eNB? What happens when the UE moves outside the cells of the serving eNB?
- Include comments, conclusions and agreements, if any
- In R3-161960

R3-161960	Possible Agreements for Light Connection	Huawei	discussion					LTE_LIGHT_CON-Core	Rel-14	Revised
R3-162061	Possible Agreements for Light Connection	Huawei	discussion					LTE_LIGHT_CON-Core	Rel-14	Noted

Discussion: Presented by Mingzeng Dai (Huawei).

- It was clarified that Trancking Area == Paging Area
- Does the proposal allow to run a system without definition of Paging Area?

The contents of this document were defined as LC design principles, and:

-> WA on LC design principles.

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-> Companies to provide Stage-2 and Stage-3 CRs by the next meeting

Decision: Noted

****

-> Offline_#22 (Huawei)
- WF for AI21
- Capture agreements and open issues
- In R3-161959

R3-161959	Way Forward on Light Connection	Huawei	discussion					LTE_LIGHT_CON-Core	Rel-14	Noted

Discussion: Presented by Mingzeng Dai (Huawei).
-> The Way Forward is endorsed.

Decision: Noted

Not Treated:

R3-161721	Context fetch in light connection	Huawei	discussion					LTE_LIGHT_CON-Core	Rel-14	
R3-161722	[DRAFT] Reply LS on RAN initiated paging for the light connection (To: RAN2)	Huawei	LS out					LTE_LIGHT_CON-Core	Rel-14	
R3-161723	Introduction of Light Connection	Huawei	draftCR	36.300			B	LTE_LIGHT_CON-Core	Rel-13	
R3-161724	Introduction of Light Connection	Huawei	CR	36.423	0991		B	LTE_LIGHT_CON-Core	Rel-14	

22 Further Indoor Positioning enhancements for UTRA and LTE (RAN2-led) WI

This session was chaired by Vice Chairman Martin Israelsson.

Tdoc	Title	Source	WI	Rel	Source Tdoc	Response To	Contact Company	Decision
R3-161550	LS on OTDOA for the same PCI (To: RAN2, RAN3; Cc: RAN4)	RAN1	UTRA_LTE_iPos_enh2-Core	Rel-14	R1-165853		Huawei	Noted

Discussion: Presented by Xue Jiantao (Huawei).
Decision: Noted

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Tdoc	Title	Source	Type	Spec	CR	Rev	Cat	WI	Rel	Decision
R3-162043	Session Report: Further Indoor Positioning enhancements for UTRA and LTE	Vice Chairman	report					UTRA_LTE_iPos_enh2-Core	Rel-14	Noted

Discussion: Presented by Martin Israelsson (Vice Chairman).
Decision: Noted

R3-161853	Reusing Available WLAN Measurements as E-CID Assistance Data	Ericsson	other	36.305			B	UTRA_LTE_iPos_enh2-Core	Rel-14	Revised
R3-162008	Reusing Available WLAN Measurements as E-CID Assistance Data	Ericsson	other	36.305			B	UTRA_LTE_iPos_enh2-Core	Rel-14	Endorsed

Discussion: Presented by Gino Masini (Ericsson).
-> Endorsed as a Baseline CR.

- Add R3-161857 with the modification that also the country code and band should be included.
-> Revised in R3-162008.

-> Endorsed as a baseline CR.

Decision: Endorsed

R3-161854	Reusing Available WLAN Measurements to Enhance E-CID	Ericsson	CR	36.455	0055	2	B	UTRA_LTE_iPos_enh2-Core	Rel-14	Revised
R3-161859	Reusing Available WLAN Measurements to Enhance E-CID	Ericsson	CR	36.455	0055	3	B	UTRA_LTE_iPos_enh2-Core	Rel-14	Revised
R3-162009	Reusing Available WLAN Measurements to Enhance E-CID	Ericsson	CR	36.455	0055	4	B	UTRA_LTE_iPos_enh2-Core	Rel-14	Endorsed

Discussion: Presented by Gino Masini (Ericsson).

-> Endorsed as a Baseline CR.

Note: R3-161859 contains Ericsson's proposal (v3) for changes.
- The contents of R3-161859 are agreed with the modification that also the country code and band should be included.

-> Baseline CR revised in R3-162009.
-> Endorsed as a baseline CR.

Decision: Endorsed

E-CID

Tdoc	Title	Source	Type	Spec	CR	Rev	Cat	WI	Rel	Decision
R3-161733	Discussion on the same PCI case for E-CID enhancements	Huawei	discussion					UTRA_LTE_iPos_enh2-Core	Rel-14	Noted

Discussion: Presented by Xue Jiantao (Huawei).

This document is for information only since it is currently under discussion in RAN1.
Gino Masini (Ericsson): We already have something for cell portion, so this is only needed for OTDOA.
.
Decision: Noted

R3-161910	WLAN Information for E-CID	Ericsson	discussion					UTRA_LTE_iPos_enh2-Core	Rel-14	Noted

Discussion: Presented by Gino Masini (Ericsson). This paper discusses WLAN (HE)SSID, operating class, country code and band, currently marked as FFS, with respect to their possible usefulness for positioning purposes. The following proposals are made:
1: Keep the SSID and HESSID IEs as optional in the WLAN Measurement Result IE.
2: Keep the Operating Class IE as optional in the WLAN Measurement Result IE.
3: The Country Code and WLAN Band shall not be signaled in the WLAN Measurement Result IE.
4: Update the baseline CRs according to the above proposals.

- Commented that also the country code and band should be signalled.
  -> Agreed.

Decision: Noted

R3-161857	Reusing Available WLAN Measurements as E-CID Assistance Data	Ericsson	other	36.305			B	UTRA_LTE_iPos_enh2-Core	Rel-14	Noted

Discussion: Presented by Gino Masini (Ericsson). This paper implements the changes proposed by R3-161910.

-> Agreed, with the modification that also the country code and band should be signalled.
-> To be included in the new baseline CR version in R3-162008.

Decision: Noted

OTDOA

Tdoc	Title	Source	Type	Spec	CR	Rev	Cat	WI	Rel	Decision

R3-161681	OTDOA Enhancements for the Shared Cell-ID Scenario	Qualcomm Incorporated	discussion					UTRA_LTE_iPos_enh2-Core	Rel-14	Noted

Discussion: Presented by Luis Lopes (Qualcomm). This contribution discusses the required LPPa changes to support OTDOA for the same PCI. The following observations are made:
1: No LPPa changes are required to support positioning related reporting by a UE corresponding to the respective PRS muting pattern per TP.
2: The PRS-ID needs to be added to LPPa OTDOA Information Exchange related messages for each cell.

Xue Jiantao (Huawei): Can cell portion ID be used as TP-ID?

Decision: Noted

R3-161682	OTDOA Enhancements for the Shared Cell-ID Scenario	Qualcomm Incorporated	CR	36.455	0056		B	UTRA_LTE_iPos_enh2-Core	Rel-14	Noted

Discussion: Presented by Luis Lopes (Qualcomm). This paper implements the changes proposed by R3-161681.
Decision: Noted

R3-161731	Discussion on the same PCI case for OTDOA enhancements	Huawei	discussion					UTRA_LTE_iPos_enh2-Core	Rel-14	Noted

Discussion: Presented by Xue Jiantao (Huawei). This paper discusses possible solutions for the same PCI case for OTDOA enhancements using time-domain separation method and TP-specific PRS solution. The following proposals are made:
1: Use cell portion concept already defined in TS36.455 to identify PRS transmitting point with same PCI for OTDOA.
2: Introduce per cell portion muting pattern in LPPa.
3: Introduce floor number information of TP in LPPa.
4: Introduce per cell portion PRS ID in LPPa.

- For TP ID, reuse cell portion or new ID.
  -> Agreed to introduce a new TP-ID and PRS ID.

Sean Kelley (Nokia): It is unclear what is configured and where?
SK: RAN3 does not support signallling per cell portion. This solution would require changes to that.

-> Agreed that it will be possible to send muting patters from the eNB.

What is configured and where:
- TP position in E-SMLC?

Decision: Noted

R3-161732	Introduction of the same PCI case for OTDOA enhancements	Huawei	CR	36.455	0057		B	UTRA_LTE_iPos_enh2-Core	Rel-14	Noted

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Discussion: Presented by Xue Jiantao (Huawei). This paper implements the changes proposed by R3-161731.
- This CR requires modifications to include the changes

Decision: Noted

R3-161908	OTDOA Positioning and the Same-PCI Issue	Ericsson	discussion					UTRA_LTE_iPos_enh2-Core	Rel-14	Noted

Discussion: Presented by Gino Masini (Ericsson). The proposals in this paper include:
1: It is necessary to signal the per-TP $N_{\mathrm{ID}}^{\mathrm{PRS}}$ using the appropriate OTDOA LPPa procedure.
2: Add $N_{\mathrm{ID}}^{\mathrm{PRS}}$ to the list of possible information that can be requested in the OTDOA INFORMATION REQUEST message.
3: Add a per-cell PRS configuration list to the OTDOA INFORMATION RESPONSE message.
4: Add the per-TP PRS muting configuration as optional information to the PRS configuration list.
5: $N_{\mathrm{ID}}^{\mathrm{PRS}}$ should be optional.
6: Introduce a new TP identifier..

Decision: Noted

R3-161909	OTDOA Enhancements for Same-PCI Issue	Ericsson	CR	36.455	0063		B	UTRA_LTE_iPos_enh2-Core	Rel-14	Revised
R3-161987	OTDOA Enhancements for Same-PCI Issue	Ericsson	CR	36.455	0063	1	B	UTRA_LTE_iPos_enh2-Core	Rel-14	Revised
R3-161988	OTDOA Enhancements for Same-PCI Issue	Ericsson	CR	36.455	0063	2	B	UTRA_LTE_iPos_enh2-Core	Rel-14	Noted

Discussion: Presented by Gino Masini (Ericsson). This paper implements the changes proposed by R3-161908.
Comments:
- Add more flexibility on what E-SMLC can request
- Can we handle PCI confusion?

Decision: Noted

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23 Enhanced LTE-WLAN Aggregation (LWA) (RAN2-led) WI

23.1 ANR

Tdoc	Title	Source	Type	Spec	CR	Rev	Cat	WI	Rel	Decision
R3-161712	Manual VS Automatic Neighbour Relation for LWA	NEC	discussion					LTE_WLAN_aggr		Noted

Discussion: Presented by Sivavakeesar Sivapathalingham (NEC). This paper analyses on how to make LWA readily possible by striking a right balance between manual configuration and ease of deployment. The following observations and proposals are made:
Observation 1: Unlike LTE where finding out cell-eNB-ID mapping is readily possible, in LWA determining AP-WT mapping is not straight-forward.
Proposal 1: Explore how LWA can borrow the same analogy from LTE for an eNB to figure out AP-WT mapping from UE Supplied information.
Observation 2: Devising a signalling solution that can make use of manual configuration can easily relieve operators from big burden.
Proposal 2: Explore whether exchanging WT related Information on X2 can minimise manual configuration and avoid connecting each eNB to DNS OR Infor Servers.

Decision: Noted

23.2 Information collection and feedback

Tdoc	Title	Source	Type	Spec	CR	Rev	Cat	WI	Rel	Decision
R3-161580	Considerations for additional WLAN related metrics	Intel Corporation, Broadcom, Ruckus, Qualcomm Incorporated	discussion					LTE_WLAN_aggr-Core	Rel-14	Withdrawn

Discussion:
Decision: Withdrawn

R3-161941	Considerations for additional WLAN metrics	Intel Corporation, Broadcom, Ruckus, Qualcomm Incorporated	discussion					LTE_WLAN_aggr-Core	Rel-14	Noted

Discussion: Presented by Sasha Sirotkin (Intel). Based on the observations in this paper, it is proposed:
1: Introduce WLAN bandwidth indication in Xw-AP (WT STATUS REPORT).
2: Indicative of WLAN throughput on the Xw interface.

Gino Masini (Ericsson): There are three ways to report the WLAN throughput:
1. estimations from the UE
2. estimation by WT
3. flow control based feedback from eNB (implementation)

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SS: Proposal 2 has priority over proposal 1. The related CR provides only one example on how the proposal could be implemented. We can also discuss on other ways to implement it.
Stuart Kerry (Ruckus Wireless): This kind of metrics is already provided by business-grade APs.
GM: What is the accuracy of this measurement?
Ozcan Ozturk (Qualcomm): We could make a stage-2 type of agreement in this meeting on WLAN metrics, and agree on stage-3 details in the next meeting.

Decision: Noted

R3-161581	Introduction of throughput indication	Intel Corporation, Broadcom, Ruckus, Qualcomm Incorporated	draftCR	36.465			B	LTE_WLAN_aggr-Core	Rel-13	Revised
R3-161981	Introduction of throughput indication	Intel Corporation, Broadcom, Ruckus, Qualcomm Incorporated, Blackberry, China Telecom, Xiaomi, NEC	CR	36.465			B	LTE_WLAN_aggr-Core	Rel-13	Postponed

Discussion: Presented by Sasha Sirotkin (Intel). This CR implements the proposal made by R3-161941. Note that this is only one example on how the proposal could be implemented.

Gino Masini (Ericsson): Why not put this info in~~to flow~~ the control plane?
Florin Baboescu (Broadcom): Agrees with Ericsson.

-> Offline_#42 (Intel)
- Clarify when the message is sent and not sent
- Status report instead of flow control?
- Coverpage: should be a Rel-14 CR.
-> Revised in R3-161981.

Note that it is still unclear which specification this CR will address -> CR number to be granted later.

Concerns expressed:
- UE specific measurements/parameters
- No requirements should be put on eNBs
- Triggers mechanisms

Decision: Postponed

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23.3 Mobility optimization

23.3.1 Handover without WT change

Tdoc	Title	Source	Type	Spec	CR	Rev	Cat	WI	Rel	Decision
R3-161662	Inter-eNB mobility with LWA active	Nokia, Alcatel-Lucent Shanghai Bell	draftCR	36.300			B	LTE_WLAN_aggr-Core	Rel-14	Revised
R3-161982	Inter-eNB mobility with LWA active	Nokia, Alcatel-Lucent Shanghai Bell	draftCR	36.300			B	LTE_WLAN_aggr-Core	Rel-14	Endorsed

Discussion: Presented by Krzysztof Kordybach (Nokia). Baseline CR.

Sasha Sirotkin (Intel): Proposal to merge this CR with RAN2 stage-2 CR?
-> No agreement on this yet.

-> Endorsed as a baseline CR.

-> Offline_#44 (Nokia)
- Capture offline decision for UE identity
- From R3-161664: the agreed TP, apart from the details of steps 1 and 2 (-> offline discussion) and steps 4, 13-15 to be removed and turned into a note.
- "UE context kept indicator" will be present in HO Ack.
-> Revised in R3-161982

-> Endorsed as a Baseline CR.

Decision: Endorsed

R3-161856	XwAP Support for Inter-eNB Mobility without WT Change	Ericsson	CR	36.463	0013	3	B	LTE_WLAN_aggr-Core	Rel-14	Revised (to R3-161863 and R3-161865)
R3-161863	XwAP Support for Inter-eNB Mobility without WT Change	Ericsson	CR	36.463	0013	4	B	LTE_WLAN_aggr-Core	Rel-14	Revised (to R3-161983)
R3-161865	XwAP Support for Inter-eNB Mobility without WT Change	Ericsson, Nokia, Alcatel-Lucent Shanghai Bell	CR	36.463	0013	5	B	LTE_WLAN_aggr-Core	Rel-14	Noted
R3-161983	XwAP Support for Inter-eNB Mobility without WT Change	Ericsson	CR	36.463	0013	6	B	LTE_WLAN_aggr-Core	Rel-14	Endorsed

Discussion: Presented by Gino Masini (Ericsson). Baseline CR.

-> R3-161856 is endorsed as a baseline CR.

- Note that CR versions 4 and 5 contain alternative options (option 1 and 2)
- Option 1 (v4) is found to be agreeable, and will be used as a basis for the next revision of the CR.

-> Offline_#45 (Ericsson)
- Use R3-161863 as a basis, with the following comments:
  - The "UE context kept indicator" will be present in the WT Release Request.
  - The TP is agreed apart the UE ID and 8.8.4 abnormal condition needs rewording
- Capture offline decision for UE identity
- TP agreed in R3-161734
-> Revised in R3-161983

- Add Nokia as a co-signer to the next version.
-> Endorsed as a baseline CR.

Decision: Endorsed

R3-161855	X2AP Support for Inter-eNB Mobility without WT Change	Ericsson	CR	36.423	0976	5	B	LTE_WLAN_aggr-Core	Rel-14	Revised
R3-161862	X2AP Support for Inter-eNB Mobility without WT Change	Ericsson, Nokia, Alcatel-Lucent Shanghai Bell	CR	36.423	0976	6	B	LTE_WLAN_aggr-Core	Rel-14	Revised
R3-161984	X2AP Support for Inter-eNB Mobility without WT Change	Ericsson	CR	36.423	0976	7	B	LTE_WLAN_aggr-Core	Rel-14	Endorsed

Discussion: Presented by Gino Masini (Ericsson). Baseline CR.

-> R3-161855 is endorsed as a baseline CR.
-> Revised in R3-161862

-> Offline_#45 (Ericsson)
- Add UE Context Reference at the WT IE, including the Mobility Set IE, to the HANDOVER REQUEST message, with the appropriate behavior text;
- Clarify that the SN Status Transfer procedure also applies to LWA;
- Add WT UE Context Kept Indicator IE to the HANDOVER REQUEST ACKNOWLEDGE message, with the appropriate behavior text;
- Capture offline decision for UE identity
-> Revised in R3-161984

- Add Nokia as a co-signer to the next version.
-> Endorsed as a baseline CR.

Decision: Endorsed

R3-161579	Handover without WT change procedure	Intel Corporation	discussion					LTE_WLAN_aggr-Core	Rel-14	Noted

Discussion: Presented by Sasha Sirotkin (Intel). This paper makes three proposals:
1: Extend the Handover Request XwAP message with the following information: WT identifier, UE identity, WLAN security information and WLAN mobility set.
2: Add HO indicator flag to the WT Addition request XwAP message, to differentiate between WT Addition used for LWA initiation and handover.
3: Discuss how to capture in the specification the eNB behavior with regards to allocation of a new WLAN security key upon handover.

- Differentiate between WT Addition used for LWA initiation and handover -> could be done based on UE ID.

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- Security done at stage-2? UE can be updated later after the key change -> Pending to RAN2
Jiancheng Sun (CATT): It is possible to do this via implementation.

Decision: Noted

R3-161621	Discussion on LWA mobility	CATT	discussion						Rel-14	Noted

Discussion: Presented by Jiancheng Sun (CATT). This contribution discusses the open issues (FFS) captured in Stage 2 and stage 3 BL CRs for inter-eNB handover without WT change, and provided the following proposals:
1: WT ID and a UE specific identifier should be provided in Handover Request to identify the UE context in the WT.
2: WLAN mobility set should be included in Handover Request.
3: WT counter is not necessary for the target eNB, whether need to include this info pending to RAN2 and SA3.
4: LWA-Configuration-r13 included in RRC Connection Reconfiguration message could be reused in the Handover Preparation message of the Handover Request, it's pending to RAN2.
5: WLAN MAC address of the UE should be used in the WT Addition Request triggered by the target eNB as the reference to the existing UE context.
6: WLAN MAC address of the UE should be transferred to the target eNB in the Handover Request message (step 1) as the reference to the UE context in WT.
7: the UE Context Kept Indicator IE is not necessary to be included in the Handover Request Acknowledge message and the WT Release Request message, the implementation based solution is recommended as it's workable and no normative work is needed.
8: RAN3 is requested to discuss and agree the TP for stage 2 call flows attached.

Decision: Noted

R3-161654	Handover without WT change	Samsung	discussion					LTE_WLAN_aggr	Rel-14	Noted

Discussion: Presented by Xiaowan Ke (Samsung). This paper discusses the open issues for Handover without WT change:
1: Explicitly indicate to the target eNB to update the mobility set for UE.
2: Both UE ID and WT UE Xw AP ID are required for the target eNB.
3: Capture the old WT UE Xw AP ID into the WT Addition Request message.

- Proposal 2 may be a corner case in context restoration.
- Mobility set update indication may be a corner case.
  - SeNB should have knowledge of the failure and therefore the need to update of the Mobility set.
- Mobility set, WT count and UE WLAN MAC address may be captured into the source to target RRC container -> Need for a Xw message, no need to provide the information over X2.

Decision: Noted

****

-> In order to access the mobility set and the UE WLAN MAC address as well as some measurements, the teNB needs to open the RRC container set by the seNB in X2 HO Request (RAN2 agreement).

R3-161664	Inter-eNB mobility with LWA active	Nokia, Alcatel-Lucent	draftC	36.300			B	LTE_WLAN_a	Rel-14	Noted

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		Shanghai Bell	R					ggr-Core		

Discussion: Presented by Krzysztof Kordybach (Nokia). In this CR a new chapter describing the inter-eNB handover without WT change is added. The chapter contains the related message flow and needed step-by-step description.

-> The TP from the CR is agreed apart from the details of steps 1 and 2 (-> offline discussion) and steps 4, 13-15 to be removed and turned into a note.

Decision: Noted

R3-161663	Inter-eNB HO without WT change – solution details	Nokia, Alcatel-Lucent Shanghai Bell	discus sion					LTE_WLAN_a ggr-Core	Rel-14	Noted

Discussion: Presented by Krzysztof Kordybach (Nokia). This paper identifies the information that needs to be exchanged in inter-eNB HO without WT change procedure:
1. The description of the HO procedure without WT change in the stage-2 should offer the source eNB flexibility concerning the moment the tunnel to the WT is released.
2. The source eNB shall provide the target eNB with following information, when initiating the HO procedure for a UE with active LWA configuration: WT ID, WT UE XwAP ID used at the source and the MS used in the source.
3. A new “UE LWA Context Kept Indicator” flag should be tentatively added to the HO REQ ACK message.
4. Adding the WT UE XwAP ID to the WT addition would enable the WT to identify existing UE context and additionally to recognise a HO-related addition request. In order to facilitate the WT implementation, the MAC-based UE ID should be ignored, if the WT UE XwAP ID is present. If the specification is not changed to clarify that the WT UE XwAP ID is unique within the node, then the source eNB ID should be added to the addition request, too.

Decision: Noted

R3-161699	Discussion on Mobility enhancements for eLWA	Huawei	discus sion					LTE_WLAN_a ggr-Core	Rel-14	Noted

Discussion: Presented by Zheng Zhou (Huawei). The following proposals are made:
1: Use UE’s WLAN MAC address to identify the UE context in the WT during the handover.
2: The WT should only release the UE context configured by the source eNB i.e. the old AP IDs, therefore there is no need for the UE context kept indicator.
3: Include mobility set and WLAN measurement results into RRC context of handover request message.
4: The WT ID should be informed to the target eNB only if the target eNB is configured by the SSID only.

- "UE context kept indicator" is present in HO Ack.

Decision: Noted

R3-161734	Clarification that the Xw UE ID is unique within relevant node	Nokia, Alcatel-Lucent Shanghai Bell	CR	36.463	0019		F	LTE_WLAN_a ggr-Core	Rel-13	Noted

Discussion: Presented by Krzysztof Kordybach (Nokia). This CR clarifies that the UE XwAP ID is unique within WT or eNB and a reference to 36.401 added.

-> The TP is agreed for the BL CR.

Decision: Noted

R3-161735	Clarification that the Xw UE ID is unique within relevant node	Nokia, Alcatel-Lucent Shanghai Bell	CR	36.463	0020		A	LTE_WLAN_a ggr-Core	Rel-14	Noted

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Discussion: Noted without presentation.
Decision: Noted

R3-161736	Clarification that the Xw UE ID is unique within relevant node	Nokia, Alcatel-Lucent Shanghai Bell	CR	36.401	0081		F	LTE_WLAN_aggr-Core	Rel-13	Endorsed

Discussion: Presented by Krzysztof Kordybach (Nokia).This CR adds missing definitions of the WT UE XwAP ID and of the eNB UE XwAP ID.
-> The uniqueness of the IE for Rel-13 was not questioned.

-> Endorsed as baseline CR for this WID (i.e., it will be a Rel-14 BL CR).

Decision: Endorsed

R3-161737	Clarification that the Xw UE ID is unique within relevant node	Nokia, Alcatel-Lucent Shanghai Bell	CR	36.401	0082		A	LTE_WLAN_aggr-Core	Rel-14	Noted

Discussion: Noted without presentation.
Decision: Noted

R3-161911	LWA Enhanced Mobility Open Issues - Common	Ericsson	discussion					LTE_WLAN_aggr-Core	Rel-14	Noted

Discussion: Presented by Gino Masini (Ericsson). The issues in this paper are already covered.
Decision: Noted

R3-161912	LWA Enhanced Mobility Open Issues - X2AP	Ericsson	discussion					LTE_WLAN_aggr-Core	Rel-14	Noted

Discussion: Presented by Gino Masini (Ericsson). Six proposals are included:
1: The SN Status Transfer procedure should be used for the HO without WT change.
2: Add the current mobility set for the UE as a new IE in the HANDOVER REQUEST message.
3: Signal the WT ID to the target eNB within the UE context reference in the HANDOVER REQUEST message.
4: No additional information on LWA bearer configuration needs to be signaled with respect to current protocols.
5: Signaling WLAN status from source to target eNB does not seem beneficial.
6: Update the X2AP baseline CR according to the above proposals.

Decision: Noted

****

-> Offline_#43 (Nokia)
- We need information that enables to identify the UE at the WT addition:
  - WT UE Xw AP ID
  - Existing MAC address already present
  - Explicit indicator
-> The output of offlne will be integrated into stage-2 and 3 BL CR updates

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R3-162055	Handling of the UE context in the WT during HO	Nokia	discussion					LTE_WLAN_aggr-Core	Rel-14	Noted

Discussion: Presented by Krzysztof Kordybach (Nokia).
- This paper summarizes the offline discussions so far.

Decision: Noted

23.3.2 Others

Tdoc	Title	Source	Type	Spec	CR	Rev	Cat	WI	Rel	Decision

23.4 Others

Tdoc	Title	Source	Type	Spec	CR	Rev	Cat	WI	Rel	Decision
R3-161700	UL data transfer between WT and eNB	Huawei	discussion					LTE_WLAN_aggr-Core	Rel-14	Noted

Discussion: Presented by Zheng Zhou (Huawei). It is proposed to add the UE-specific GTP-U tunnel for UL transmission between the eNB and the WT.
Decision: Noted

R3-161738	UL bearer identification	Nokia, Alcatel-Lucent Shanghai Bell	discussion					LTE_WLAN_aggr-Core	Rel-14	Noted

Discussion: Presented by Krzysztof Kordybach (Nokia). This paper proposes to select option 2 for the UL bearer identification.
Decision: Noted

****

-> Offline_#46 (Huawei)
- Select a solution and provide CRs if possible
-> No more solutions are expected.

Not Treated:

R3-161701	Uplink transmission in eLWA	Huawei	CR	36.463	0018		B	LTE_WLAN_aggr-Core	Rel-14	

R3-161702	Uplink transmission in eLWA	Huawei	CR	36.464	0003		B	LTE_WLAN_aggr-Core	Rel-14	
R3-161703	Uplink transmission in eLWA	Huawei	draftCR	36.300			B	LTE_WLAN_aggr-Core	Rel-14	
R3-161739	Enabling uplink data bearers for LWA	Nokia, Alcatel-Lucent Shanghai Bell	draftCR	36.300			B	LTE_WLAN_aggr-Core	Rel-14	
R3-161740	Uplink bearer identification	Nokia, Alcatel-Lucent Shanghai Bell	CR	36.463	0021		B	LTE_WLAN_aggr-Core	Rel-14	
R3-161741	Enabling uplink data bearers	Nokia, Alcatel-Lucent Shanghai Bell	CR	36.464	0004		B	LTE_WLAN_aggr-Core	Rel-14	
R3-161742	Enabling uplink data bearers	Nokia, Alcatel-Lucent Shanghai Bell	CR	36.465	0007		B	LTE_WLAN_aggr-Core	Rel-14	

24 Study on HSPA and LTE Joint Operation SI

This session was chaired by Vice Chairman Martin Israelsson.

Tdoc	Title	Source	Type	Spec	CR	Rev	Cat	WI	Rel	Decision
R3-162044	Session Report: Study on HSPA and LTE Joint Operation	Vice Chairman	report					FS_UTRA_LTE_JOP	Rel-14	Noted

Discussion: Presented by Martin Israelsson (Vice Chairman).
Decision: Noted

R3-161932	TR 37.805, Study on HSPA and LTE Joint Operation, v1.0.0	China Unicom	draft TR	37.805				FS_UTRA_LTE_JOP	Rel-14	Withdrawn

Discussion:
Decision: Withdrawn

R3-161935	TR 37.805, Study on HSPA and LTE Joint Operation, v1.0.1	China Unicom	draft TR	37.805				FS_UTRA_LTE_JOP	Rel-14	Revised
R3-162073	TR 37.805, Study on HSPA and LTE Joint Operation, v1.1.0	China Unicom	draft TR	37.805				FS_UTRA_LTE_JOP	Rel-14	Agreed

Discussion: Presented by Gen Cao (China Unicom).

-> Email#04 (China Unicom)
- TR 37.805 update and review
- Check implementation of agreed TPs from:
  - RAN2 TP
  - R3-162070
  - R3-162013

- R3-162015
- R3-162016 (collision between 2 TPs to be taken into consideration during implementation)
- ~~R3-162017~~
- Implementation of the conclusion of Email#05.
- Evaluation TP: take into account R3-161847 and RAN2 inputs, final TP in R3-162072 , if agreed
- Conclusion TP: Agreement on TP based on R3-162017, final TP in R3-162071, if agreed

- Deadline Sept 9th Friday noon (12:00) CEST
-> Revised in R3-162073.

Summary:
Kicked off by China Unicom 7th September with an initial draft that did not include the RAN3 agreed R3-162070 and only part of the RAN2 TP, eventual result of Email #05 to be added later. China Unicom provided an update that also included the outcome from Email #05.
The moderator indicated that the study cannot be closed with FFS's in the TR. China Unicom confirmed that the study need to be extended, and also indicated a preference to send the latest TR version to RAN for information (if the TR version is agreed).

No additional comments where provided so the latest provided draft is agreed as v1.1.0.
Please provide the agreed v1.1.0 in R3-162073.

Decision: Agreed

R3-161804	Solution description for concurrent UMTS CS and LTE PS	Qualcomm Incorporated	discussion					FS_UTRA_LTE_JOP	Rel-14	Noted

Discussion: Presented by Xipeng Zhu (Qualcomm). This paper provides description and considerations for the solution Concurrent PS/CS Operation with Dual Rx/Single TX UE, based on LTE camping, e.g. related to procedures and signalling in different use cases, concurrent operation over the radio interface, qualitative performance aspects, implementation and standard impacts.

- Wait for RAN2 input on idle mode handling (update of 7.3.1).
-> The same discussion in RAN2. Wait for a TP from RAN2.

Decision: Noted

R3-161820	TP for Solution impact analysis in LTE&UMTS Joint Cooperation	Nokia, Alcatel-Lucent Shanghai Bell	discussion					FS_UTRA_LTE_JOP	Rel-14	Revised
R3-162012	TP for Solution impact analysis in LTE&UMTS Joint Cooperation	Nokia, Alcatel-Lucent Shanghai Bell	discussion					FS_UTRA_LTE_JOP	Rel-14	Revised
R3-162070	TP for Solution impact analysis in LTE&UMTS Joint Cooperation	Nokia, Alcatel-Lucent Shanghai Bell	discussion					FS_UTRA_LTE_JOP	Rel-14	Noted

Discussion: Presented by Jing He (Nokia).

- The TP for 7.3.1.3 is covered by RAN2 in their TP.

-> Offline_#01_JointOperation (Nokia)
- TP to add a table with network impact for the two UE options
-> Revised in R3-162012.

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- change table name
-> TP is agreed unseen in R3-162070.

Decision: Noted

R3-161821	TP for Dual Standby in LTE&UMTS Joint Cooperation	Nokia, Alcatel-Lucent Shanghai Bell, China Unicom	discussion					FS_UTRA_LTE_JOP	Rel-14	Noted

Discussion: Presented by Jing He (Nokia).

-> The same discussion in RAN2. Wait for a TP from RAN2.

Decision: Noted

R3-161841	Case 1 analysis for joint operation	Huawei	discussion					FS_UTRA_LTE_JOP	Rel-14	Noted

Discussion: Presented by Liwei Qiu (Huawei). This document provides analysis for use case 1 and the corresponding TP. It is proposed that:
1: Discuss the above solutions for joint operation of use case 1 and capture in the TR.
2: Discuss the possibility of not sending RAU for joint operation and capture the in the TR.

- Proposals 1 and 2 will be part of the TP coming from RAN2.
- RAN2 impact will be on the LTE side.

Decision: Noted

R3-161917	Other aspects on HSPA and LTE Joint Operation	Ericsson	discussion					FS_UTRA_LTE_JOP	Rel-14	Noted

Discussion: Presented by Nianshan Shi (Ericsson). This paper makes two observations for the matters of sending TAU and skipping UE context Release Request:
1: From the above specification, it appears that to send an extra “TAU” without meeting any of the specified triggering condition would have impact to the higher layers.
2: In the CS/PS concurrent operation, eNB would skip sending S1 UE Context Release Request as in step 4, and consequently step 5 will be skipped. However it is unclear how the failure case could be handled (e.g. Radio Link Failure). Also, allowing this option may modify the procedure and impact other nodes. Whether the impact is trivial or not is best determined by the related working groups.

- RAN3 should consult e.g. SA2 to further analysis of higher layer impacts during the evaluation of the solutions.

Decision: Noted

R3-161842	TP for solution of case 1	Huawei	pCR	37.805				FS_UTRA_LTE_JOP	Rel-14	Noted

Discussion: Presented by Liwei Qiu (Huawei). This paper provides a text proposal on the enhancement of signalling procedure for single standby.
- Related to the TP that wil come from RAN2.

Decision: Noted

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R3-161843	Case 2 analysis for joint operation	Huawei	discussion					FS_UTRA_LTE_JOP	Rel-14	Noted

Discussion: Presented by Liwei Qiu (Huawei).
- Related to the TP that wil come from RAN2.

Decision: Noted

R3-161844	TP for solution of case 2	Huawei	pCR	37.805				FS_UTRA_LTE_JOP	Rel-14	Noted

Discussion: Presented by Liwei Qiu (Huawei).
- Related to the TP that wil come from RAN2.

Decision: Noted

R3-161845	Case 3 analysis for joint operation	Huawei	discussion					FS_UTRA_LTE_JOP	Rel-14	Not Treated

Discussion:
Decision: Not Treated

R3-161846	TP for solution of case 3	Huawei	pCR	37.805				FS_UTRA_LTE_JOP	Rel-14	Noted

Discussion: Presented by Liwei Qiu (Huawei).
- Related to the TP that wil come from RAN2.

Decision: Noted

R3-161914	Evaluation criteria for the study on HSPA and LTE Joint Operation	Ericsson	discussion					FS_UTRA_LTE_JOP	Rel-14	Revised
R3-162013	Evaluation criteria for the study on HSPA and LTE Joint Operation	Ericsson	discussion					FS_UTRA_LTE_JOP	Rel-14	Noted

Discussion: Presented by Nianshan Shi (Ericsson). Proposes that RAN3 should discuss and capture evaluation criteria for all solutions.

-> Offline_#02_JointOperation
- Agreeable text for the evaluation criteria
-> Revised in R3-162013.

-> The TP is agreed.

Decision: Noted

R3-161936	Text proposal for evaluation criteria	China Unicom	pCR	37.805				FS_UTRA_LT	Rel-14	Noted

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								E_JOP		

Discussion: Presented by Gen Cao (China Unicom). The IS of HSPA and LTE Joint Operation includes three use cases:
1. Idle UE in LTE
2. Connected UE in LTE
3. Connected UE in UMTS

To fully evaluate all possible solutions, the impact of the following aspects should be considered.
- Network Interface
- eNodeB/NodeB/RNC in the RAN side
- Core Network (CN)
- UE side

Decision: Noted

R3-161847	Evaluation of solutions for joint operation	Huawei	pCR	37.805				FS_UTRA_LTE_JOP	Rel-14	~~Postponed~~Noted

Discussion: Presented by Liwei Qiu (Huawei). This paper provides an evaluation for the solutions on joint operation.

-> Need to wait for RAN2 TP.

Decision: ~~Postponed~~Noted

R3-161913	Study on HSPA and LTE Joint Operation	Ericsson	discussion					FS_UTRA_LTE_JOP	Rel-14	Revised
R3-162015	Study on HSPA and LTE Joint Operation	Ericsson	discussion					FS_UTRA_LTE_JOP	Rel-14	Noted

Discussion: Presented by Nianshan Shi (Ericsson). This paper discusses Idle mode CSFB enhancements.
- The related TP is in R3-161915, section 7.3.2 (but that only relates to the singe Tx)

-> Offline_#03_JointOperation
- Section 7.3.2 from R3-161915
- Decide where to put this in the TR since 7.3.2 is about single Tx. Put it in 7.3.x.y?
-> Revised in R3-162015.

-> The TP is agreed.

Decision: Noted

R3-161915	Text proposal on Study on HSPA and LTE Joint Operation	Ericsson	pCR	37.805				FS_UTRA_LTE_JOP	Rel-14	Noted

Discussion: Presented by Nianshan Shi (Ericsson). This paper contains the TPs implementing proposals from R3-161913, R3-161914, and R3-161916.
Decision: Noted

R3-161916	Use Cases on HSPA and LTE Joint Operation	Ericsson	discussion					FS_UTRA_LTE_JOP	Rel-14	Revised
R3-162016	Use Cases on HSPA and LTE Joint Operation	Ericsson	discussion					FS_UTRA_LTE_JOP	Rel-14	Noted

Discussion: Presented by Nianshan Shi (Ericsson). This discussion paper outlines the following initial observations on possible solutions and proposes to capture the dismantled cases for Use Case 1 to 3, and to add a new Use case 4.
1: Capture the decomposed use cases 1a to 1d under User Case 1.
2: Capture the decomposed use cases 2a to 2e under User Case 2.
3: Capture the decomposed use cases 3a to 3e under User Case 3.
4: Capture the new use case and its decomposed use cases 4a to 4d in the TR as Use Case 4.

-> Offline_#04_JointOperation
- Section 6 from R3-161915
- try to agree on a TP
-> Revised in R3-162016.

-> The TP is agreed.

Decision: Noted

R3-161933	Text proposal for evaluation criteria	China Unicom	pCR	37.805				FS_UTRA_LTE_JOP	Rel-14	Withdrawn

Discussion:
Decision: Withdrawn

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-> Offline_#05_JointOperation
- Start drafting a conclusion section for the TR (China Unicom)
-> In R3-162017.

- Email discussion to agree the RAN2 TP
- Merge RAN2 TP with the agreed TPs for the TR (take info account R3-161847) and TP for the conclusion section.
- Agree the updated TR

R3-162017	Text proposal for conclusion section	China Unicom	pCR	37.805				FS_UTRA_LTE_JOP	Rel-14	Revised

Discussion: Presented by Gen Cao (China Unicom).

-> Email#05 (China Unicom)
- RAN2 to provide the agreed CR by Friday Sept 2nd; MCC will send the CR to RAN3 with a RAN tdoc number
- The Evaluation TP: Take into account R3-161847 ~~agreement on a TP based on R3-162017~~ and RAN2 inputs, final TP will be in R3-162072.
- The Conclusion TP: Agreement on TP based on R3-162017~~take into account R3-161847~~, final TP will be in R3-162071.
- Deadline: September 8th Thursday noon (12:00) CEST

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Summary:
Kicked off by China Unicom 5th September with first drafts of the evaluation TP and the conclusion TP.

Evaluation part:
Question from Ericsson on the evaluation TP (clarify what is included in the TP). Response from China Unicom. The moderator clarified that the scope of the email discussion related to the evaluation was to check if there was something in R3-161847 that we need to take into account (that was covered by the discussion in RAN2). Response from China Unicom that the evaluation part of R3-161847 has been captured in the RAN2 TP, and that they would like to use this email discussion to look a merge of the evaluation part of RAN2 TP (R3-162082) and R3-162070. The moderator stated that since R3-161847 has been covered by the RAN2 TP, then the evaluation part can be closed. Response from China Unicom that they still would like to handle the merge of the evaluation parts in Email #05 (and not in Email #04). Ericsson restated the comment from the moderator. China Unicom restated that they would like to use email discussion to look a merge of the evaluation part of RAN2 TP (R3-162082) and R3-162070. Nokia pointed out some typos and minor corrections.
There was no additional comments, so the evaluation part is agreed.
Please include the proposed corrections from Nokia and provide the re-agreed version of the evaluation part in R3-162072.

Conclusion part:
Ericsson proposed for the conclusion part to add a short summary in 8.3. Comments from Huawei to remove the section titles for 8.1 & 8.2, and to reword the summary. Nokia indicated support for the update from Huawei. Response from Ericsson indicating support to remove the section titles, but proposed some additional updates to the draft. Comment from Huawei on the final sentence, with a proposed revision. Response from Ericsson that the proposed new sentence from Huawei is fine.

The latest version provided by Ericsson with a change of:
"Potential impacts on LTE system from RAN2's point of view and other working groups inside and outside of RAN have not been fully investigated."
to
"Potential impacts on LTE system from RAN2's point of view and other working group(s), e.g., SA2, have not been fully investigated"
appears to be acceptable for all.

Please make the update and provide the agreed version in R3-162071.

Decision: Revised

R3-162071	[Text proposal for conclusion section]	China Unicom	pCR	37.805				FS_UTRA_LTE_JOP	Rel-14	Noted

Discussion: Presented by Gen Cao (China Unicom).

-> The TP is agreed.

Decision: Noted

R3-162072	[Text proposal for evaluation section]	China Unicom	pCR	37.805				FS_UTRA_LTE_JOP	Rel-14	Noted

Discussion: Presented by Gen Cao (China Unicom).

-> The TP is agreed.

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Decision: Noted

-> If there are no objections towards the final version of the TR by September 9th Friday, the TR is to be sent to RAN for approval and the SI will be considered as completed.

25 Flexible eNB-ID and Cell-ID in E-UTRAN SI

This session was chaired by Vice Chairman Philippe Godin.

Tdoc	Title	Source	Type	Spec	CR	Rev	Cat	WI	Rel	Decision
R3-161996	Session Report for Flexible eNB and Cell ID in EUTRAN	Vice Chairman	report					FS_LTE_FNBID	Rel-14	Noted

Discussion: Presented by Philippe Godin (Vice Chairman).
Decision: Noted

R3-161775	TR 36.896, Study on Flexbile eNB-ID and Cell-ID in E-UTRAN, v 1.0.1	China Telecommunications	draft TR	36.896				FS_LTE_FNBID	Rel-14	Revised
R3-161993	TR 36.896, Study on Flexbile eNB-ID and Cell-ID in E-UTRAN, v 1.1.0	China Telecommunications	draft TR	36.896				FS_LTE_FNBID	Rel-14	Revised
R3-162079	TR 36.896, Study on Flexbile eNB-ID and Cell-ID in E-UTRAN, v 1.2.0	China Telecommunications	draft TR	36.896				FS_LTE_FNBID	Rel-14	Agreed

Discussion: Presented by Sen Xu (China Telecommunications).

- The TR now contains an added Abbreviations section.

-> Version 1.0.1 is endorsed.

-> Email#09 (China Telecommunications)
- Editorial review
- Include agreed TPs from
  - R3-161985
  - R3-161986
  - R3-161989
  - R3-162064
  - R3-161991
  - R3-162074
- The next version of the TR, v1.2.0, will be in R3-162079.
- If there is no objection the version v1.2.0 will be sent to RAN for approval (TR will be sent to RAN as v2.0.0)
- Deadline 8th Sept. Thursday noon (12:00) CEST

Summary:

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Kicked off by China Telecom the 2nd September with an initial draft. Comment from Ericsson to provide a version with track changes. A version showing track changes was provided by China Telecom. China Telecom provided an updated version also including R3-162074 from Email#08.
No additional comments where provided so the draft already provided in R3-162079 is agreed as v1.2.0.
The agreed TR should be submitted to TSG RAN for approval as v2.0.0.

Decision: Agreed

R3-161767	Extending maximum number of cells in eNB – Solution 1	Nokia, Alcatel-Lucent Shanghai Bell	discussion					FS_LTE_FNBID	Rel-14	Revised
R3-161985	Extending maximum number of cells in eNB – Solution 1	Nokia, Alcatel-Lucent Shanghai Bell	pCR	36.896				FS_LTE_FNBID	Rel-14	Noted

Discussion: Presented by Sean Kelley (Nokia). This paper analyses Solution 1 for extending the maximum number of cells in an eNB, and proposes:
- Clarification of the solution description, for section 6.2.1 of the TR.
- Evaluation of the impacts on signalling and OPEX, for section 6.3.x of the TR.
- Conclusion, for section 7 of the TR.

-> The TP is agreeable, also include:
- Move the text on signalling to solution description with some reqording on signalling gain.
- Evaluation of signalling impact -> no impact
- Exclude "Conclusion"
-> Revised in R3-161985.

-> The TP is agreed.

Decision: Noted

R3-161918	Solution of “Establish an interface instance per eNB” in Study Flexible eNB-ID and Cell-ID in E-UTRAN	Ericsson	discussion	36.896				FS_LTE_FNBID	Rel-14	Noted

Discussion: Presented by Nianshan Shi (Ericsson). The evaluation of the named solution in chapter 5.2.3 according to the evaluation criteria is listed in below:
- Impact on existing nodes (UE, CN and upper layers, eNB, UTRAN, GSM, WLAN): No impact
- Impact on specification , existing features and procedures (e.g. restart): No impact
- Impact on interworking with legacy nodes: No impact
- Impact on Signalling (e.g. load): No impact
- Impact on network planning (e.g, PCI planning): No impact
- Impact on CAPEX/OPEX: No impact

Decision: Noted

R3-161919	Solution of “Fixed extension of Cell bits” in Study on Flexible eNB-ID and Cell-ID in E-UTRAN	Ericsson	discussion	36.896				FS_LTE_FNBID	Rel-14	Noted

Discussion: Presented by Nianshan Shi (Ericsson). The evaluation of the named solution in chapter 5.2.3 according to the evaluation criteria is listed in below:
- Impact on existing nodes (UE, CN and upper layers, eNB, UTRAN, GSM, WLAN): Impact

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- Impact on specification , existing features and procedures (e.g. restart): Impact
- Impact on interworking with legacy nodes: Impact
- Impact on Signalling (e.g. load): No Impact
- Impact on network planning (e.g, PCI planning): Impact
- Impact on CAPEX/OPEX: Impact

Decision: Noted

R3-161921	Text proposal on Flexible Cell-ID in E-UTRAN	Ericsson	pCR	36.896				FS_LTE_FNBID	Rel-14	Revised
R3-161986	986Text proposal on Flexible Cell-ID in E-UTRAN	Ericsson	pCR	36.896				FS_LTE_FNBID	Rel-14	Noted

Discussion: Presented by Nianshan Shi (Ericsson). This paper contains a TP implementing proposals by R3-161918 and R3-161919.

Include the following changes:
- No changes on solution description
- Text in section 6.3.2 and copy/paste instead of reference
- No impact on PWS because eNBcan send two messages -> agreed
- Capture longer restarting time depending on implementation -> agreed
- Whether to add a statement on PCI planning
- Capture the fact that for OPEX we do not need to increase the IP address number / interfaces.-> agreed

-> Revised in R3-161986
-> The TP is agreed.

Decision: Noted

R3-161768	Extending maximum number of cells in eNB – Solution 3	Nokia, Alcatel-Lucent Shanghai Bell	discussion					FS_LTE_FNBID	Rel-14	Noted

Discussion: Presented by Sean Kelley (Nokia). This paper analyses solution 3 for extending the maximum number of cells in an eNB, and proposes:
- Clarification of the solution description, for section 6.2.3 of the TR.
- Evaluation of the impacts on existing nodes, existing procedures, interworking with legacy nodes, signalling and OPEX, for section 6.3.x of the TR.
- Conclusion, for section 7 of the TR.

Decision: Noted

R3-161697	Solutions evaluation on maximum number of cells extension in an eNB	Huawei, China Telecom	discussion					FS_LTE_FNBID	Rel-14	Noted

Discussion: Presented by Zheng Zhou (Huawei). In RAN3#92, there were 3 solutions agreed for the TR 36.896 to extend maximum number of cells in an eNB. The evaluation criteria were also agreed. This paper gives the impact analysis of all the possible solutions based on the agreed evaluation criteria.

Decision: Noted

R3-161698	TP for Solutions evaluation on maximum number of	Huawei, China	pCR	36.896				FS_LTE_FNBI	Rel-14	Revised

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	cells extension in an eNB	Telecom						D		
R3-161989	TP for Solutions evaluation on maximum number of cells extension in an eNB	Huawei, China Telecom	pCR	36.896				FS_LTE_FNBID	Rel-14	Noted

Discussion: Presented by Zheng Zhou (Huawei). This contribution gives the TP for the solutions evaluation to extend maximum number of cells in an eNB to TR 36.896.

-> Offline (Huawei)
- TP for solution 3
  - Solution description from R3-161768 + rewording for neighbour eNBs interface aspect
  - Solution evaluation
    - Capture the text from R3-161768
    - Whether to quantify the impact ?
    - Need to capture something about processig e.e., paging ?

-> Revised in R3-161989
-> The TP is agreed.

Decision: Noted

R3-161920	Solution of “Supporting more Macro eNB IDs in an interface instance” in Study Flexible eNB-ID and Cell-ID in E-UTRAN	Ericsson	pCR	36.896				FS_LTE_FNBID	Rel-14	Noted

Discussion: Noted without presentation.
Decision: Noted

R3-161713	eNB-ID and Cell-ID Extension: How to handle?	NEC	discussion					FS_LTE_FNBID	Rel-14	Revised
R3-161990	eNB-ID and Cell-ID Extension: How to handle?	NEC	pCR	36.896				FS_LTE_FNBID	Rel-14	Revised
R3-162047	eNB-ID and Cell-ID Extension: How to handle?	NEC	pCR	36.896				FS_LTE_FNBID	Rel-14	Revised
R3-162064	eNB-ID and Cell-ID Extension: How to handle?	NEC	pCR	36.896				FS_LTE_FNBID	Rel-14	Noted

Discussion: Presented by Sivavakeesar Sivapathalingham (NEC). Increasing eNB-ID beyond 20 bits can be a natural result of decreasing cell sizes and increasing service coverage. Further, with advent of IOT, the need to support more than cells per eNB has become important too. AN3 is requested to study whether a combined use of TAC and eNB-ID/ECGI can solve the problem faced by operators while agreeing on the TP presented.

Xu Sen (China Telecommunications): Add S1 setup issue + O&M system (like for other solution 3)

- Capture as solution 3c, without the sentence on the UE, plus copy-paste the evaluation rather than reference
- Add the TP into: solution in 5.2.3.3 and evaluation in 5.3.3.3
- Add S1 setup issue + O&M system (like for other solution 3)

-> Revised in R3-161990
-> Revised in R3-162047
-> The TP is agreed.

Decision: Noted

R3-161801	Evaluation on the remain issues of the possible solutions for eNB-ID Extension	China Telecommunications	discussion					FS_LTE_FNBID	Rel-14	Revised
R3-161991	Evaluation on the remain issues of the possible solutions for eNB-ID Extension	China Telecommunications	discussion					FS_LTE_FNBID	Rel-14	Noted

Discussion: Presented by Xu Sen (China Telecommunications). The following impacts are identified:

Billing System:
- Solution 1: No impact
- Solution 2: The blling system should be configured with the new PLMN Id.
- Solution 3a: No impact:
- Solution 3b: Auxiliary information shall be configured if location based charging is applied.

Location System:
- Solution 2: No impact:
- Solution 3: The location system is impacted, e.g. E-SMLC

Legacy Nodes:
- Solution 2: The legacy node should be configured to understand the new PLMN, inter-PLMN handover function shall be enabled for both CN and eNB
- Solution 3: Planning issue because eNBs should be placed in different pool areas to avoid S1 Setup issue

CAPEX/OPEX:
- Solution 2: Need to configure the PLMN ID in neighbouring nodes
- Solution 3a: Needs Core Network; location system shall be updated
- Solution 3b: Needs Core Network; location system + billing system shall be updated

Features:
- Solution 1: Extra configuration is needed - similar to open HeNB
- Solution 2: No impact:
- Solution 3a/b: Impact on RLF
- Solution 3b: Check for MDT

Existing Nodes:
- Solution 2a: No impact on existing eNBs
- Solution 2b: No impact on existing eNBs
- Solution 3: Core Network: impact on MME & CBC

-> Offline (China Telecommunications)
- Fix all the FFS as above
-> Revised in R3-161991.
-> The TP is agreed.

Decision: Noted

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R3-161803	TP for Solutions evaluation on extend maximum number of eNBs in a PLMN	China Telecommunications	discussion					FS_LTE_FNBID	Rel-14	Not Treated

Discussion:
Decision: Not Treated

R3-161922	Discussion on additional requirement in Study Flexible eNB-ID and Cell-ID in E-UTRAN	Ericsson	discussion					FS_LTE_FNBID	Rel-14	Noted

Discussion: Noted without presentation
Decision: Noted

R3-161836	Conclusion of Flexible eNB-ID and Cell-ID in E-UTRAN	China Telecommunications, Huawei	discussion					FS_LTE_FNBID	Rel-14	Not Available

Discussion:
Decision: Not Available

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-> Offline (China Telecommunications)
- Tentative conclusion for the SI
- In R3-161992

R3-161992	Conclusion of the Flexible eNB-ID and Cell-ID in E-UTRAN	China Telecommunications	pCR	36.896				FS_LTE_FNBID	Rel-14	Revised
R3-162074	Conclusion of the Flexible eNB-ID and Cell-ID in E-UTRAN	China Telecommunications	pCR	36.896				FS_LTE_FNBID	Rel-14	Noted

Discussion: Presented by Xu Sen (China Telecommunications).

-> Email#08 (China Telecommunications)
- Starting from R3-161992, discuss and provide the conclusion for the TR
- The agreed TP will be in R3-162074
- Deadline 7th Sept. Wednesday noon (12:00) CEST

Summary:
Kicked off by China Telecom the 1st September. Comment (with updated draft) from Ericsson to clarify the conclusion. Response from China Telecom stating that all solutions have pros and cons, and thus no recommendation is possible. Comment from Huawei that down selection may be difficult in the email discussion for the conclusion. Ericsson proposed an alternative update of the conclusion part. Nokia provided a new draft correcting some editorials and also added solution 3 to the recommendation in 7.2. Huawei and China Telecom indicated support for the version provided by Nokia. Ericsson commented that solution 3 in Section 7.2 does not fulfil the objectives in the SI, so it should not be recommended.
Deadline extended to Thursday 10:00 CEST.
Nokia responded that Solution 3 is to create a single logical eNB that has multiple Global eNB IDs, and insisted to keep solutions where the evaluation does not justify elimination. Huawei supported the Nokia view. Response from Ericsson stating that just listing all the solutions that was discussed cannot be seen as a conclusion for the study.

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Deadline extended to Thursday 13:00 CEST.
China Telecom provided an update with a proposed compromise. Response from Ericsson questioning just the new last sentence in the conclusion, and thus propose to remove that sentence. Nokia indicated that they were fine with the Ericsson proposal. Response from Huawei explaining their understanding of the purpose with the last sentence that Ericsson proposed to remove. China Telecom provided a proposed final version, with a hope that the study now could be closed. Huawei and Ericsson indicated that the proposed final version was acceptable.

Please provide the agreed version in R3-162074, and integrate it to the next version of the TR as soon as possible (for checking in Email #09).

Thank you all for the compromise spirit.

In order to give people a chance to check the final version of the TR, I propose that we extend the email checking (Email #09) until Friday morning 10:00 CEST to give people in Asia (that might have left the office) a chance to see the final version of the TR.

-> The TP is agreed

Decision: Noted

-> Offline (China Telecommunications)
- WF for AI 25
- In R3-161994

R3-161994	Way forward for Flexible eNB ID and Cell ID in EUTRAN	China Telecommunications	discussion					FS_LTE_FNBID	Rel-14	Noted

Discussion: Presented by Xu Sen (China Telecommunications).
Decision: Noted

26 NB-IoT enhancements (RAN1-led) WI

Tdoc	Title	Source	Type	Spec	CR	Rev	Cat	WI	Rel	Decision
R3-161639	NB-IoT Release 14 enhancements work plan	Huawei	discussion					NB_IOTenh-Core	Rel-14	Noted

Discussion: Presented by Zheng Zhou (Huawei). This contribution presents the rapporteur's workplan for the WI. It does not affect or limit the scope of the approved WID nor the exchanges of information the working groups can undertake.

Decision: Noted

R3-161791	Mobility and service continuity enhancements	Samsung	discussion					NB_IOT	Rel-14	Noted

Discussion: Presented by Xiaowan Ke (Samsung). This paper provide initial analysis on the requirements of mobility and service continuity enhancements. It is observed that:

1: For CP CIOT only, there is data lost when UE moves out of the serving cell.
2: For UP CIOT only, there is data lost for when UE moves out of the serving eNB and reconnect to a new eNB.
It is proposed RAN3 to take the two options into account to consider the requirement of enhancement of connection mode service continuity without increasing power consumption.

Jiancheng Sun (CATT): Mobility aspects should be handled in RAN2.
XK: Agree that the issue should be clarified with RAN2.

Decision: Noted

27 Network Assistance for Network Synchronization SI

Tdoc	Title	Source	Type	Spec	CR	Rev	Cat	WI	Rel	Decision

28 Study on Context Aware Service Delivery in RAN SI

Tdoc	Title	Source	WI	Rel	Source Tdoc	Response To	Contact Company	Decision
R3-161565	Reply LS on SAND (To: RAN3)	SA4	FS_LTE_context	Rel-14	S4-160861	R3-161535	Intel	Noted

Discussion: Presented by the Chairman.
Decision: Noted

28.1 TR 36.933

Tdoc	Title	Source	Type	Spec	CR	Rev	Cat	WI	Rel	Decision
R3-161814	Draft TR 36.933 v 0.2.0	CMCC	draft TR	36.933				FS_LTE_context	Rel-14	Revised
R3-162075	Draft TR 36.933 v 0.3.0	CMCC	draft TR	36.933				FS_LTE_context	Rel-14	Agreed

Discussion: Presented by Boubacar Kimba dit Adamou (CMCC).

- No changes since the last meeting.
-> This version is endorsed.

-> Email#06 (CMCC)
- Editorial review

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- Integrate agreed TPs from:
  - R3-162021
  - R3-162022
  - R3-162025
  - R3-162026
  - R3-162027

-> Revised in R3-162075 (v 0.3.0)
- Deadline September 7th, Wednesday, noon (12:00) CEST

-> If there are no objections, the final version will be sent to RAN for information (TR will be send to RAN in v1.0.0)

Summary:
Kicked off by CMCC the 1st September with first draft of the TR. Nokia pointed out some editorial comments. Updated draft provided by CMCC.
No additional comments where provided so the latest draft is agreed as version 0.4.0. Please provide the agreed version in R3-162075, and also send the agreed version to RAN as v1.0.0 for information.

Decision: Agreed

28.2 Issues and use cases

Tdoc	Title	Source	Type	Spec	CR	Rev	Cat	WI	Rel	Decision
R3-161815	Issue and solution for UL resource shortage	CMCC	discussion					FS_LTE_context	Rel-14	Noted

Discussion: Presented by Boubacar Kimba dit Adamou (CMCC). A potential solution to reduce UL resource shortage due to redundant would be as follow:
If the UE can identify the service of the UL data, then further indicate to the eNB, then the eNB can further indicate the UE to use some special compression algorithm for the specific data to reduce the redundant information.

- TCP ACK strategy is a UE implementation issue
- This is a RAN2 problem.

Decision: Noted

R3-161816	Text proposal for Issue for UL resource shortage	CMCC	pCR	36.933				FS_LTE_context	Rel-14	Noted

Discussion: Presented by Boubacar Kimba dit Adamou (CMCC). This TP implements the proposal made by R3-161815.
Decision: Noted

R3-161833	Discussion on a new video transmission issue in UL	Intel Corporation	discussion					FS_LTE_context	Rel-14	Revised
R3-162021	Discussion on a new video transmission issue in UL	Intel Corporation	discussion					FS_LTE_context	Rel-14	Noted

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Discussion: Presented by Sangeetha Bangolae (Intel). This contribution addresses the problem of PDCP discard of critical data in UL we observed during performance testing for conversational video over LTE and potential solutions to solve the problem at RAN level. Currently in AS, there are no means to prioritize I-frame data and RTCP feedback packets over P-frame data because they are carried on the same bearer.

Angelo Centonza (Ericsson): If we start prioritising various content types in eNB, where does it end?

- How UE/Apps see the ctriticality of the data?

-> Offline_#60 (Intel)
- Capture the scenario / use case
- This does not require the RAN to be content aware
- FFS this scenario if the scenario involves RAN2 only, it will downselect.
- Security?
-> Revised in R3-162021.
-> The TP is agreed.

Decision: Noted

R3-161934	Discussions on aspects of cross layer awareness	China Unicom	discussion					FS_LTE_context	Rel-14	Noted

Discussion: Presented by Yue Ma (China Unicom). This contribution describes concerns on two aspects of cross layer awareness. Two proposals are made:
1: The video aware RAN scheduling mechanism should study and solve the cheating messages sent by malicious users.
2: Effective solution for eNB to provide the load status information should be studied and evaluated.

- Security must be ensured.
- prediction, see discussion related to SAND (SA4)

Decision: Noted

28.3 Solution description

Tdoc	Title	Source	Type	Spec	CR	Rev	Cat	WI	Rel	Decision
R3-161923	Analysis of Context Aware RAN Issues	Ericsson	pCR	36.933				FS_LTE_context	Rel-14	Revised
R3-162022	Analysis of Context Aware RAN Issues	Ericsson	pCR	36.933				FS_LTE_context	Rel-14	Noted

Discussion: Presented by Angelo Centonza (Ericsson). It is proposed that RAN3 puts on hold the work on Issue 3 “Video transmission issue cases” in section 4.3 of TR36.933 and that an LS is sent to SA4 to ask for RAN3 involvement when SA4 reaches convergence on video delivery optimisation solutions and if support from RAN interface signalling is needed.

-> Offline_#61 (Ericsson):
- Remove the Note

- Add more information which the network can signal to indicate the throughput to the DASH client.
-> Revised in R3-162022.

-> The TP is agreed.

Decision: Noted

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-> Offline_#62 (Ericsson & Huawei)
- LSout to SA4
  - Explain why the throughput estimate is not accurate
  - Respond to SA4 that RAN3 has SID ongoing and can work this on SA4's demand
- in R3-162023

R3-161924	[DRAFT] Reply LS on scope of SA4 SAND SI (To: SA4)	Ericsson	LS out					FS_LTE_context	Rel-14	Revised
R3-162023	[DRAFT] Reply LS on scope of SA4 SAND SI (To: SA4)	Ericsson	LS out					FS_LTE_context	Rel-14	Revised
R3-162076	[DRAFT] Reply LS on scope of SA4 SAND SI (To: SA4)	Ericsson	LS out					FS_LTE_context	Rel-14	Agreed
R3-162080	Reply LS on scope of SA4 SAND SI (To: SA4)	RAN3	LS out					FS_LTE_context	Rel-14	Approved

Discussion: Presented by Angelo Centonza (Ericsson).

-> Email#07 (Ericsson)
- Starting from R3-162023, discuss and conclude the LS to SA4
- The agreed LS out will be in R3-162076
- Deadline August 31st, Wednesday noon (12:00) CEST

Summary and conclusion:
Kicked off by Ericsson 29th August. Comment from Nokia with some proposed changes. Response from Ericsson accepting the proposed changes and correcting a typo.
Comment from Huawei to delete the last sentence of the first paragraph. Comment from Nokia that the particular sentence is useful. Response from Ericsson with a proposed modification of the sentence. Reply from Huawei indicating that they are ok with the version following the proposed update from Nokia (draft_R3-162076_ReplyLS_SAND_v01.doc).
Comment from China Mobile also indicating a preference for the updated version from Nokia.
Ericsson provided the final version (R3-162076) based on the update from Nokia.
The version already provided in R3-162076 is agreed.

-> The final LS is in R3-162080.

Decision: Approved

R3-161675	Throughput prediction and network assisted DASH	QUALCOMM CDMA Technologies	discussion					FS_LTE_context	Rel-14	Revised
R3-162024	Throughput prediction and network assisted DASH	QUALCOMM CDMA	discus					FS_LTE_cont	Rel-14	Noted

		Technologies	sion					ext		

Discussion: Presented by Xipeng Zhu (Quacomm). This paper observes that history information based throughput prediction is inaccurate for DASH (or other adaptive HTTP streaming protocol) based content delivery. UE based throughput prediction with eNodeB assistance is the most optimized solution for network assisted DASH.

-> Offline_#63 (Qualcomm)
- Focus the TP on how to get relevant information from the eNB/UE for the throughput prediction.
- It is FFS on how and where to send this information (DANE?)
-> Revised in R3-162024.

Decision: Noted

R3-161658	Discussion on solutions for video optimization	Nokia, Alcatel-Lucent Shanghai Bell	discus sion					FS_LTE_cont ext	Rel-14	Revised
R3-162025	Discussion on solutions for video optimization	Nokia, Alcatel-Lucent Shanghai Bell	discus sion					FS_LTE_cont ext	Rel-14	Noted

Discussion: Presented by Steven Xu (Nokia). This contribution analyses the issues for video optimization. Five proposals are made:
1: Any non-PCC based solution for video optimization should be justified.
2: Capture the two solutions in TR 36.933.
3: To address the issue for empty buffer due to link throughput fluctuation, adopt SA4 analysis that UE should use a GBR bearer at a bitrate that enables real-time delivery of at least a minimum set (typically audio and video) of lower quality Representations.
4: Adopt SA4 conclusion to continuous use current PCC mechanism to communicate the network QoS information to the UE.
5: The long video delay issue can be addressed by setting appropriate buffer, and higher QoS profile for UE.

-> Offline_#64 (Nokia)
- TP based on the contribution
-> Revised in R3-162025.
-> The TP is agreed.

Decision: Noted

R3-161797	Discussion on the solution of the DASH optimization	HUAWEI TECHNOLOGIES Co. Ltd.	discus sion					FS_LTE_cont ext	Rel-14	Noted

Discussion: Presented by Chenguang Qian (Huawei). This contribution analyses the issues of current rate selection scheme. It can be seen that the client cannot accurately predict the available bandwidth in wireless in selecting the rate for next segment. However the predicted bandwidth of RAN can help the client to select suitable rate to bring better user experience.

Decision: Noted

R3-161798	Text proposal for the solution of the DASH optimization	HUAWEI TECHNOLOGIES Co. Ltd.	pCR	36.933				FS_LTE_cont ext	Rel-14	Revised
R3-162026	Text proposal for the solution of the DASH optimization	HUAWEI TECHNOLOGIES Co.	pCR	36.933				FS_LTE_cont ext	Rel-14	Noted

		Ltd.								

Discussion: Presented by Chenguang Qian (Huawei). This TP implements the proposal made by R3-161797.

-> Offline_#65 (Huawei)
- Remove or update the figure
- Check wording related to non-GBR
-> Revised in R3-162026.

-> The TP is agreed.

Decision: Noted

R3-161676	Video object deadline-aware scheduling	QUALCOMM CDMA Technologies	discussion					FS_LTE_context	Rel-14	Revised
R3-162027	Video object deadline-aware scheduling	QUALCOMM CDMA Technologies	discussion					FS_LTE_context	Rel-14	Noted

Discussion: Presented by Xipeng Zhu (Qualcomm). This paper observes:
1: Dedicated QCI/bearer could improve the OTT video QoE, with the cost of lower capacity and longer delay for non-video traffic.
2: Under same video stalling probability, video deadline-aware scheduling has at least 25% video capacity gain than regular PF scheduling.

-> Offline_#66 (Qualcomm)
- Move TP to Annex A
-> Revised in R3-162027.

-> The TP is agreed.

Decision: Noted

R3-161793	Discussion on the solution of video optimization	HUAWEI TECHNOLOGIES Co. Ltd.	discussion					FS_LTE_context	Rel-14	Noted

Discussion: Presented by Chenguang Qian (Huawei). This contribution analyzes the possible solutions for video optimization. According to the traffic characteristic of video, the parameters are given for context aware and the procedure of the solution. If the RAN side could obtain the listed traffic information timely, the re-buffering will be avoided to the greatest extend. Simulation result indicates that the context aware can improve network resource utility and bring better user experience. So it is proposed that RAN3 agrees the UE reports listed context information for video and capture the solution in TR 36.933.

Decision: Noted

R3-161794	Text proposal for the solution of video optimization	HUAWEI TECHNOLOGIES Co. Ltd.	pCR	36.933				FS_LTE_context	Rel-14	Revised
R3-162028	Text proposal for the solution of video optimization	HUAWEI TECHNOLOGIES Co. Ltd.	pCR	36.933				FS_LTE_context	Rel-14	Noted

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Discussion: Presented by Chenguang Qian (Huawei). This TP implements the proposals made by R3-161793.

-> Offline_#67 (Huawei)
- Check the TP offline
- Add a note related to RAN2 impacts.
-> Revised in R3-162028.

Decision: Noted

Not Treated:

R3-161659	Discussion on solutions for TCP optimization	Nokia, Alcatel-Lucent Shanghai Bell	discussion					FS_LTE_context	Rel-14	
R3-161660	Discussion on solutions to address backhaul long distance issue	Nokia, Alcatel-Lucent Shanghai Bell	discussion					FS_LTE_context	Rel-14	
R3-161677	Radio-aware TCP Optimization	QUALCOMM CDMA Technologies	discussion					FS_LTE_context	Rel-14	
R3-161678	UE based context-aware and selective acceleration	QUALCOMM CDMA Technologies	discussion					FS_LTE_context	Rel-14	
R3-161709	Architecture and solution for Context Aware service delivery	NEC	discussion					FS_LTE_context	Rel-14	
R3-161787	Architecture options for Context Aware Service Delivery	ZTE Corporation	discussion					FS_LTE_context	Rel-14	
R3-161795	Discussion on the solution of TCP optimization	HUAWEI TECHNOLOGIES Co. Ltd.	discussion					FS_LTE_context	Rel-14	
R3-161796	Text proposal for the solution of TCP optimization	HUAWEI TECHNOLOGIES Co. Ltd.	pCR	36.933				FS_LTE_context	Rel-14	
R3-161799	[DRAFT] reply LS to the SA4 on CASD (To: SA4)	Huawei	LS out					FS_LTE_context	Rel-14	
R3-161817	Text proposal for solution for UL resource shortage	CMCC	pCR	36.933				FS_LTE_context	Rel-14	
R3-161818	Solution to backhaul long latency issue	CMCC	discussion					FS_LTE_context	Rel-14	
R3-161819	Discussion on Video Issue Solutions	CMCC	discussion					FS_LTE_context	Rel-14	

28.4 Others

Tdoc	Title	Source	Type	Spec	CR	Rev	Cat	WI	Rel	Decision

29 Further enhanced MTC (RAN1-led) WI

Tdoc	Title	Source	Type	Spec	CR	Rev	Cat	WI	Rel	Decision
R3-161925	WI work plan for Further Enhanced MTC	Ericsson	discussion					LTE_feMTC-Core	Rel-14	Noted

Discussion: Presented by Alex Vesely (Ericsson). This contribution presents the rapporteur's work plan for the WI. Since the higher data rate support is likely to require RAN4 RF work, it is the intention of the rapporteur to propose modifications to the TU allocation in a proposed revision of the WID.

Decision: Noted

30 Study on SON for eCoMP for LTE SI

Tdoc	Title	Source	Type	Spec	CR	Rev	Cat	WI	Rel	Decision
R3-161727	Planning for "Study on SON for eCoMP for LTE"	Nokia, Alcatel-Lucent Shanghai Bell	discussion					FS_LTE_SON_eCOMP	Rel-14	Endorsed

Discussion: Presented by Hakon Helmers (Nokia). Contains the work plan for the new SI.
Decision: Endorsed

R3-161728	Scope of the "SON for eCoMP" study and structure of TR 36.742	Nokia, Alcatel-Lucent Shanghai Bell	discussion					FS_LTE_SON_eCOMP	Rel-14	Noted

Discussion: Presented by Hakon Helmers (Nokia). This paper discusses the study item scope based on the approved SID and derives proposals for the skeleton version of TR 36.742.

Decision: Noted

R3-161730	Problem statement and related use-cases for SON for eCoMP	Nokia, Alcatel-Lucent Shanghai Bell	discussion					FS_LTE_SON_eCOMP	Rel-14	Revised
R3-162030	Problem statement and related use-cases for SON for eCoMP	Nokia, Alcatel-Lucent Shanghai Bell	discussion					FS_LTE_SON_eCOMP	Rel-14	Noted

Discussion: Presented by Hakon Helmers (Nokia). This document contains the skeleton for TR 36.742.

- Description of the problem, on which SON can be beneficially applied.
- Dynamic vs. short/long term adaptation: scenario for it?

-> Offline_#69 (Nokia)
- Attempt for problem description
-> Revised in R3-162030

-> The TP is agreed. To be captured in the TR by the next meeting

Decision: Noted

R3-161729	draft TR 36.742 skeleton	Nokia, Alcatel-Lucent Shanghai Bell	pCR	36.742				FS_LTE_SON_eCOMP	Rel-14	Revised
R3-162029	draft TR 36.742 skeleton	Nokia, Alcatel-Lucent Shanghai Bell	draftTRpCR	36.742				FS_LTE_SON_eCOMP	Rel-14	Endorsed

Discussion: Presented by Hakon Helmers (Nokia).

- Problem statement and analysis implicitly trigges a use case

-> Offline_#68 (Nokia)
- Check existing text
- Keep only one section for Problem statement and analysis
-> Revised in R3-162029.
-> The TR is endorsed.

Decision: Endorsed

R3-161928	Consideration on CoMP set formation	Fujitsu	discussion					FS_LTE_SON_eCOMP	Rel-14	Noted

Discussion: Presented by Julien Muller (Fujitsu). Three observations:
1: X2 TNL performances have an impact on the overall CoMP performances. Therefore the CoMP Cooperating set or Transmission Points should be selected according to a list of parameters including X2 load and X2 latency.
2: It is beneficial for signaling and performances to select the cooperating set according to the variation rate of the spatial structure of the channel.
3: It is beneficial for signaling and performances to select the cooperating set according to mid to long-term measurements.

- Backhaul load triggers the change of the CoMP set?

Decision: Noted

31 Corrections to Rel-14 and TEI14

31.1 3G

Tdoc	Title	Source	Type	Spec	CR	Rev	Cat	WI	Rel	Decision

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31.2 LTE

Tdoc	Title	Source	Type	Spec	CR	Rev	Cat	WI	Rel	Decision
R3-161830	IMS paging type differentiation for PS domain	Intel Corporation	discussion					TEI14	Rel-14	Noted

Discussion: Presented by Sangeetha Bangolae (Intel).
Mingzeng Dai (Huawei): Supports the proposal.
Philippe Godin (Nokia): This issue is more for CT1 to discuss.

Decision: Noted

R3-161831	Paging cause introduction	Intel Corporation	CR	36.413	1443		C	TEI14	Rel-14	Noted

Discussion: Presented by Sangeetha Bangolae (Intel).
Decision: Noted

32 Rel-13/Rel-14 Specification Review

32.1 Editorial

Tdoc	Title	Source	Type	Spec	CR	Rev	Cat	WI	Rel	Decision

32.2 ASN.1

Tdoc	Title	Source	Type	Spec	CR	Rev	Cat	WI	Rel	Decision

33 Any other business

34 Closing of the meeting

The meeting was closed at 17:21 on Friday 26.08.2016 by the Chairman.

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Annex A:
List of participants RAN3#93

See the attached participants list.

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Annex B:
Incoming liaison statements for RAN3#93

Tdoc #	Title	Source Tdoc	Source	Contact Company	Release	Work Item	Agenda Item	Decision
R3-161548	LS response on lower layer failure (To: RAN3; Cc: RAN2)	C1-162977	CT1	Samsung	Rel-12	HetNet_eMOB_LTE-Core, TEI12	5.1	Noted
R3-161549	LS on HS-SCCH DRx Design in Cell Fach (To: RAN2, RAN3)	R1-165512	RAN1	Qualcomm	Rel-14	FACH_DTXDRX-Core	16	Noted
R3-161550	LS on OTDOA for the same PCI (To: RAN2, RAN3; Cc: RAN4)	R1-165853	RAN1	Huawei	Rel-14	UTRA_LTE_iPos_enh2-Core	22	Noted
R3-161551	Reply LS on the feasibility of mobility enhancement solutions (To: RAN2; Cc: RAN3, RAN4)	R1-165996	RAN1	ZTE	Rel-14	LTE_eMob-Core	20	Noted
R3-161552	LS on RAN2 aspects on MC enhancements (To: RAN1; Cc: RAN3)	R2-164352	RAN2	Huawei	Rel-14	FS_UTRA_Mce	13	Noted
R3-161553	LS on RAN initiated paging for the light connection (To: RAN3)	R2-164545	RAN2l	Huawei & Intel	Rel-14	LTE_LIGHT_CON-Core	21	Noted
R3-161554	LS on RAN2 agreements on eDRX Paging Hyper-frame Calculation (To: RAN3, SA2; Cc: CT1, CT4, RAN)	R2-164575	RAN2	Samsung	Rel-13	LTE_extDRX-Core	5.1	Noted
R3-161555	Reply LS on NB-IOT NAS retransmission timers (To: SA2, CT1; Cc: RAN3, CT4)	R2-164578	RAN2	Vodafone	Rel-13	NB_IOT-Core	5.1	Noted
R3-161556	LS on eDRX paging timing calculation and security concern (To: SA3; Cc: RAN3, SA2, CT1)	R2-164582	RAN2	NTT DOCOMO	Rel-13	LTE_extDRX-Core	5.1	Noted
R3-161557	Reply LS on the feasibility of mobility enhancement solutions (To: RAN2; Cc: RAN1, RAN3)	R4-164096	RAN4	ZTE	Rel-14	LTE_eMob-Core	20	Noted
R3-161558	LS on Network Assistance for Network Synchronization in LTE (To: RAN1, RAN4; Cc: RAN3)	RP-161262	RAN	Huawei	Rel-14	FS_LTE_NW_SYNC	5.1	Noted
R3-161559	Reply LS on eDRX Paging Hyper-frame and PTW_Start Calculation (To: RAN2, RAN3, SA2; Cc: CT1, CT4)	RP-161311	RAN	NTT DOCOMO	Rel-13	LTE_extDRX-Core	5.1	Noted
R3-161560	LS on Enhanced coverage impacts on NAS timers in eMTC (To: RAN3, CT1; Cc: SA2)	RP-161312	RAN	Ericsson	Rel-13	LTE_MTCe2_L1-Core	5.1	Noted
R3-161561	LS Response on QoS requirements for V2X (To: RAN2, RAN3)	S2-163081	SA2	Huawei	Rel-14	FS_V2XARC	12	Noted
R3-161562	Response LS on CSG and LIPA support in DC (Dual Connectivity) enhancements for LTE (To: RAN3; Cc: RAN, RAN2)	S2-163205	SA2	Nokia	Rel-13	LTE_dualC_ext-Core	5.1	Noted
R3-161563	LS out on RAN impacts from enTV study of SA WG2 (To: RAN2, RAN3)	S2-163212	SA2	Qualcomm	Rel-14	FS_AE_enTV	15	Noted
R3-161564	LS on Update of SRVCC Capability Real time during emergency PDC connection setup (To:	S2-163215	SA2	Ericsson	Rel-13		5.1	Noted

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	RAN3)							
R3-161565	Reply LS on SAND (To: RAN3)	S4-160861	SA4	Intel	Rel-14	FS_LTE_context	28	Noted
R3-161566	Response LS on Progress on Security for LWIP (To: SA3, RAN; Cc: RAN2, RAN3)	SP-160457	SA	Nokia	Rel-13		5.1	Noted
R3-161567	Reply LS on Multiple bearer capability handling (To: SA2, RAN2; Cc: RAN3, CT)	C1-163890	CT1	Intel	Rel-13	CIoT-CT	5.1	Noted
R3-161568	LS on prioritization of NAS signalling (To: SA2, RAN2, RAN3)	C1-164015	CT1	Ericsson	Rel-13	CIoT-CT	5.1	Noted
R3-161569	Reply to LS on eDRX paging timing calculation and security concern (To: RAN2; Cc: RAN3, SA2, CT1)	S3-161153	SA3	NTT DOCOMO	Rel-13	LTE_extDRX-Core	5.1	Noted
R3-161570	LS on the study of the management of RAN virtualized network functions (To: RAN3; Cc: SA)	S5-164305	SA5	Intel	Rel-14		10	Noted
R3-161601	New Radio internal architecture and Virtualized Small Cells (To: RAN3)	scf_3GPP_liaison	Small Cell Forum	Cisco			10	Noted
R3-161942	Reply LS on the feasibility of mobility enhancement solutions (To: RAN2; Cc: RAN4, RAN3)	R1-166053	RAN1	ZTE	Rel-14	LTE_eMob-Core	20	Noted
R3-161946	Liaison letter to 3GPP RAN3 (To: RAN3)	liaison-3GPP-RAN3-0716-v01	IEEE 802.1	Ericsson			10	Noted
R3-162018	RAN2#95 agreements Light Connection (To: RAN3)	R2-165793	RAN2	Huawei & Intel	Rel-14	LTE_LIGHT_CON-Core	5.1	Noted
R3-162019	LS on RAN1 agreements in sidelink-based V2V (To: RAN2, RAN3, RAN4)	R1-168251	RAN1	LGE	Rel-14	LTE_SL_V2V-Core	5.1	Noted
R3-162020	Reply LS on Network Assistance for Network Synchronization in LTE (To: RAN3, RAN; Cc: RAN4)	R1-167916	RAN1	Huawei	Rel-14	FS_LTE_NW_SYNC	5.1	Noted
R3-162052	LS on eDRX Paging Hyper-frame and PTW_Start Calculation (To: SA2, RAN3, CT1; Cc: SA3, CT4)	R2-165935	RAN2	NTT DOCOMO	Rel-13	LTE_extDRX-Core	5.1	Noted
R3-162081	LS on RAN2 agreements on UMTS and LTE joint operation (To: RAN3)	R2-165977	RAN2	China Unicom	Rel-14	FS_UTRA_LTE_JOP	5.1	Postponed

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Annex C:
Outgoing liaison statements of RAN3#93

Tdoc	Title	LS To	LS Cc	Attachments
R3-162067	LS on Multiple TMGIs for support of small and variable MBMS areas	RAN2	SA2	-
R3-162068	Reply LS on RAN impacts from enTV study of SA WG2	SA2	RAN2	-
R3-162080	Reply LS on scope of SA4 SAND SI	SA4	-	-

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Annex D:
List of agreed/endorsed CRs in RAN3#93

Agreed CRs:

Tdoc	Title	Source	Spec	CR	Rev	Cat	WI Code	Rel
~~R3-161626~~	~~Correction on CSG support in Dual Connectivity~~	~~Nokia, Alcatel-Lucent Shanghai Bell~~	~~36.413~~	~~1435~~	~~-~~	~~F~~	~~LTE_SC_enh_dualC-Core~~	~~Rel-13~~
R3-161826	Correction of the LWA PDU type	Intel Corporation	36.464	0005		F	TEI13, LTE_WLAN_radio	Rel-13
R3-161950	Introduction of CE mode B support indicator	Huawei	36.413	1438	1	F	LTE_MTCe2_L1-Core	Rel-13
R3-161951	Correction on NB-IoT inter node RRC containers	Huawei	36.413	1439	1	F	NB_IOT-Core	Rel-13
R3-161952	Correction on NB-IoT inter node RRC container	Huawei	36.423	0989	1	F	NB_IOT-Core	Rel-13
R3-161968	Vehicular Authorization Signaling over S1	Ericsson, LGE Inc.	36.413	1418	5	B	LTE_SL_V2V-Core	Rel-14
R3-161969	Vehicular Authorization Signaling over X2	Ericsson, LGE Inc.	36.423	0975	5	B	LTE_SL_V2V-Core	Rel-14
R3-162033	Correction to enable update of SRVCC capability for emergency call	Ericsson, Nokia	36.413	1458	1	F	TEI13	Rel-13
R3-162045	Correction on Security Related Information in UE Context Retrieval Request	Samsung	36.423	0998	2	F	TEI13	Rel-13
R3-162083	Introduction of NB-IoT UE Identity Index Value in Paging	Huawei	36.413	1440	1	F	NB_IOT-Core	Rel-13
R3-162084	Correction on CSG support in Dual Connectivity	Nokia, Alcatel-Lucent Shanghai Bell	36.413	1435	1	F	LTE_SC_enh_dualC-Core	Rel-13

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Endorsed CRs:

Tdoc	Title	Source	Spec	CR	Rev	Cat	WI Code	Rel
R3-161625	Correction on CSG support in Dual Connectivity	Nokia, Alcatel-Lucent Shanghai Bell	36.300			F	LTE_SC_enh_dualC-Core	Rel-13
R3-161874	Correction of UE Radio Capability Information	Nokia, Alcatel-Lucent Shanghai Bell, TeliaSonera, Huawei	36.300				TEI13	Rel-13

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R3-161956	Correction on WT initiated WT modification procedure	Huawei	36.300			F	LTE_WLAN_radio-Core	Rel-13

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Annex E:
List of technical documents for RAN3#93

See the attached tdoc list.

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Annex F:
Email Approvals after RAN3#93

[#01: CR Security Related Information - TEI13] (Samsung)
- Check the CR implementation against the ASN.1 and backward compatibility
- Final tdoc in R3-162045 CR0998r2, TS 36.423 v13.4.0, Rel-13, Cat. F, if agreed
- Deadline September 7th Wednesday noon (12:00) CEST

Summary:
Kicked off by Samsung 1st September. Comment from Huawei to only change the Semantics description for the ShortMAC-I IE. CATT also indicated a preference to only change the Semantics description. Ericsson indicated a preference to introduce a new IE (and not just change the semantics). Nokia proposed a 3rd solution (new IE at the end) but also indicated that the solution to only change the Semantics description would ok. Samsung proposed to go with the majority view and only change the semantics of ShortMAC-I IE. Ericsson indicated a preference for a new IE. Samsung explained why the change of the Semantics description for the ShortMAC-I IE would be backwards compatible for a smart implementation. Samsung provided two versions of the draft CR. Ericsson questioned the need for the additional eNB behaviour. Response from Samsung clarifying that the intention with Email #01 was to check backwards compatibility for the new IE. Ericsson indicated that option 1 is acceptable.

The CR for option 1 is agreed. Please provide the agreed CR0998r2 in R3-162045.

[#02: eDRX – TEI13] (NTT DOCOMO)
- Check if the LS from RAN2 (R3-162052) has an impact on RAN3 specifications
- If any RAN3 impact is identified, provide update of R3-161645 or a new CR.
- If no agreement on any CRs, a company CR to RAN may be provided
  - MCC to allocate new tdocs if needed
- Deadline September 7th Wednesday noon (12:00) CEST

Summary:
Kicked off by NTT DOCOMO 30th August with a document that looked at potential impact related to the RAN2 LS and asked for company views. Positive response from Qualcomm (with proposal to consider an abnormal condition with a later CR for the case when S-TMSI is not available). Positive response from Huawei. Positive response from Nokia. Clarification from Qualcomm that any abnormal condition could be discussed next meeting. Positive response from CATT. Huawei provided a draft CR update that included allocated IE ID. NTT DOCOMO summarised the email discussion and conclusion.

The draft updated CR1440r1 provided by Huawei is agreed. And the agreed CR has already been provided in R3-162083.

[#03: TR 38.801 TR update- NR] (NEC)
- The update should focus only on new agreed TP, the alignment on terminology in core part (text and figure) will be provided by next meeting.
- Editorial review
- Integration of the new TP agreed from:
  - R3-161867
  - R3-161972
  - R3-161973 (only the agreed sentence not the new section)
  - R3-161975

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- R3-162049
- R3-161978
- R3-161979
- R3-161980
- R3-162011
- R3-161966
- R3-162056
- R3-162057
- R3-162058
- R3-162032
- R3-162034
- R3-162059
- R3-162062
- R3-162051
- R3-162063
- R3-162005
- R3-161995
- R3-161997
- R3-161998
- R3-162077
- R3-162053
- R3-162054
- R3-162060
- R3-162078

- Deadline September 7th Wednesday noon (12:00) CEST
- Revised in R3-161962

Summary:
Kicked off by NEC 31th August with a first draft. Comment from ZTE to move the TP in R3-161995 for interworking with WLAN into chapter 15. Nokia proposed 3 corrections. Confirmation from NEC on ZTE and Nokia correction 1/ and 2/, but proposed that the rapporteur would handle correction 3/ later. NEC provided a second draft. AT&T propose to move the implementation of some agreed text from 6.1.2.1 to 6.1.2.1.1, and to re-label the options to 7-1 and 7-2. CATT indicated support for the proposal from AT&T. NEC provided a 3rd draft taking into account the proposal from AT&T. Nokia pointed out one un-clarity with the 3rd draft as a result of the re-structuring, and proposed to add a sentence. NEC provided a 4th draft taking into account the comment from Nokia. Nokia pointed out 2 additional editorials, and NEC confirmed that they will be corrected in the next draft. Ericsson proposed and update of 2 section titles. NEC provided a 5th draft taking into account the latest comments.

Draft 5 is agreed as version 0.4.0. Please provide the agreed TR version in R3-161962.

[#04: TR 37.805 update and review -JOP] (CUC)
- Check implementation of agreed TPs from:
  - RAN2 TP
  - R3-162070
  - R3-162013
  - R3-162015
  - R3-162016 (collision between 2 TPs to be taken into consideration during implementation)
  - R3-162017

- Implementation of the conclusion of Email#05.
- Deadline Sept 9th Friday noon CEST (12:00)
-> Revised in R3-162073.
- If there is no objection the version v1.1.0 will be send to RAN for approval (the TR will be send to RAN in v2.0.0)

Summary:
Kicked off by China Unicom 7th September with an initial draft that did not include the RAN3 agreed R3-162070 and only part of the RAN2 TP, eventual result of Email #05 to be added later. China Unicom provided an update that also included the outcome from Email #05.
The moderator indicated that the study cannot be closed with FFS's in the TR. China Unicom confirmed that the study need to be extended, and also indicated a preference to send the latest TR version to RAN for information (if the TR version is agreed).

No additional comments where provided so the latest provided draft is agreed as v1.1.0.
Please provide the agreed v1.1.0 in R3-162073.

[#05: TP for evaluation and conclusion – JOP] (CUC)
- RAN2 to provide the agreed TP~~CR~~ by Friday Sept 2nd; MCC will send the TP~~CR~~ to RAN3 with a RAN tdoc number; (the TP is in R3-162082).
- The Evaluation TP: take into account R3-161847 ~~agreement on a TP based on R3-162017~~ and RAN2 inputs, final TP will be in R3-162072.
- The Conclusion TP: agreement on TP based on R3-162017~~take into account R3-161847~~, final TP will be in R3-162071.
- Deadline: September 8th Thursday noon CEST (12:00)

Summary:
Kicked off by China Unicom 5th September with first drafts of the evaluation TP and the conclusion TP.

Evaluation part:
Question from Ericsson on the evaluation TP (clarify what is included in the TP). Response from China Unicom. The moderator clarified that the scope of the email discussion related to the evaluation was to check if there was something in R3-161847 that we need to take into account (that was covered by the discussion in RAN2). Response from China Unicom that the evaluation part of R3-161847 has been captured in the RAN2 TP, and that they would like to use this email discussion to look a merge of the evaluation part of RAN2 TP (R3-162082) and R3-162070. The moderator stated that since R3-161847 has been covered by the RAN2 TP, then the evaluation part can be closed. Response from China Unicom that they still would like to handle the merge of the evaluation parts in Email #05 (and not in Email #04). Ericsson restated the comment from the moderator. China Unicom restated that they would like to use email discussion to look a merge of the evaluation part of RAN2 TP (R3-162082) and R3-162070. Nokia pointed out some typos and minor corrections.
There was no additional comments, so the evaluation part is agreed.
Please include the proposed corrections from Nokia and provide the re-agreed version of the evaluation part in R3-162072.

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Conclusion part:
Ericsson proposed for the conclusion part to add a short summary in 8.3. Comments from Huawei to remove the section titles for 8.1 & 8.2, and to reword the summary. Nokia indicated support for the update from Huawei. Response from Ericsson indicating support to remove the section titles, but proposed some additional updates to the draft. Comment from Huawei on the final sentence, with a proposed revision. Response from Ericsson that the proposed new sentence from Huawei is fine.

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The latest version provided by Ericsson with a change of:
"Potential impacts on LTE system from RAN2's point of view and other working groups inside and outside of RAN have not been fully investigated."
to
"Potential impacts on LTE system from RAN2's point of view and other working group(s), e.g., SA2, have not been fully investigated"
appears to be acceptable for all.

Please make the update and provide the agreed version in R3-162071.

[#06: TR 36.933 update and review - ASD] (CMCC)
- Editorial review
- Integrate agreed TPs from:
  - R3-162021
  - R3-162022
  - R3-162025
  - R3-162026
  - R3-162027

-> Revised in R3-162075 (v 0.3.0)
- Deadline September 7th Wednesday noon (12:00) CEST

- If there is no objection the final version will be sent to RAN for information (the TR will be send to RAN in v1.0.0),

Summary:
Kicked off by CMCC the 1st September with first draft of the TR. Nokia pointed out some editorial comments. Updated draft provided by CMCC.
No additional comments where provided so the latest draft is agreed as version 0.4.0. Please provide the agreed version in R3-162075, and also send the agreed version to RAN as v1.0.0 for information.

[#07: LS out to SA4 - ASD] (E//)
- Starting from R3-162023, discuss and conclude the LS to SA4
- The agreed LS out will be in R3-162076
- Deadline August 31st, Wednesday noon CEST (12:00)

Summary and conclusion:
Kicked off by Ericsson 29th August. Comment from Nokia with some proposed changes. Response from Ericsson accepting the proposed changes and correcting a typo.
Comment from Huawei to delete the last sentence of the first paragraph. Comment from Nokia that the particular sentence is useful. Response from Ericsson with a proposed modification of the sentence. Reply from Huawei indicating that they are ok with the version following the proposed update from Nokia (draft_R3-162076_ReplyLS_SAND_v01.doc). Comment from China Mobile also indicating a preference for the updated version from Nokia.
Ericsson provided the final version (R3-162076) based on the update from Nokia.
The version already provided in R3-162076 is agreed.

-> The final LS is in R3-162080.

[#08: TP for conclusion - FNBID] (CTC)
- Starting from R3-161992, discuss and provide the conclusion for the TR
- The agreed TP will be in R3-162074
- Deadline 7th Sept. Wednesday noon CEST (12:00)

Summary:
Kicked off by China Telecom the 1st September. Comment (with updated draft) from Ericsson to clarify the conclusion. Response from China Telecom stating that all solutions have pros and cons, and thus no recommendation is possible. Comment from Huawei that down selection may be difficult in the email discussion for the conclusion. Ericsson proposed an alternative update of the conclusion part. Nokia provided a new draft correcting some editorials and also added solution 3 to the recommendation in 7.2. Huawei and

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China Telecom indicated support for the version provided by Nokia. Ericsson commented that solution 3 in Section 7.2 does not fulfil the objectives in the SI, so it should not be recommended.
Deadline extended to Thursday 10:00 CEST.
Nokia responded that Solution 3 is to create a single logical eNB that has multiple Global eNB IDs, and insisted to keep solutions where the evaluation does not justify elimination.
Huawei supported the Nokia view. Response from Ericsson stating that just listing all the solutions that was discussed cannot be seen as a conclusion for the study.
Deadline extended to Thursday 13:00 CEST.
China Telecom provided an update with a proposed compromise. Response from Ericsson questioning just the new last sentence in the conclusion, and thus propose to remove that sentence. Nokia indicated that they were fine with the Ericsson proposal. Response from Huawei explaining their understanding of the purpose with the last sentence that Ericsson proposed to remove. China Telecom provided a proposed final version, with a hope that the study now could be closed. Huawei and Ericsson indicated that the proposed final version was acceptable.

Please provide the agreed version in R3-162074, and integrate it to the next version of the TR as soon as possible (for checking in Email #09).

Thank you all for the compromise spirit.

In order to give people a chance to check the final version of the TR, I propose that we extend the email checking (Email #09) until Friday morning 10:00 CEST to give people in Asia (that might have left the office) a chance to see the final version of the TR.

[#09: TR 36.896 update and review - FNBID] (CTC)
- Editorial review
- Include agreed TPs from
  - R3-161985
  - R3-161986
  - R3-161989
  - R3-162064
  - R3-161991
  - R3-162074
- The next version of the TR, v1.2.0, will be in R3-162079.
- Deadline 8th Sept., Thursday noon CEST (12:00)

- If there is no objection the final version will be sent to RAN for approval (the TR will be sent to RAN as v2.0.0) .

Summary:
Kicked off by China Telecom the 2nd September with an initial draft. Comment from Ericsson to provide a version with track changes. A version showing track changes was provided by China Telecom. China Telecom provided an updated version also including R3-162074 from Email#08.
No additional comments where provided so the draft already provided in R3-162079 is agreed as v1.2.0.
The agreed TR should be submitted to TSG RAN for approval as v2.0.0.

Annex G:
List of Baseline CRs after RAN3#93

These CRs have agreeable content, but further modifications are expected, and therefore they are not yet formally agreed.

Tdoc	Title	Source	Spec	CR	Rev	Cat	WI Code	Rel
R3-161736	Clarification that the Xw UE ID is unique within relevant node	Nokia, Alcatel-Lucent Shanghai Bell	36.401	0081		F	LTE_WLAN_aggr-Core	Rel-1~~13~~
R3-161982	Inter-eNB mobility with LWA active	Nokia, Alcatel-Lucent Shanghai Bell	36.300			B	LTE_WLAN_aggr-Core	Rel-14
R3-161983	XwAP Support for Inter-eNB Mobility without WT Change	Ericsson	36.463	0013	6	B	LTE_WLAN_aggr-Core	Rel-14
R3-161984	X2AP Support for Inter-eNB Mobility without WT Change	Ericsson	36.423	0976	7	B	LTE_WLAN_aggr-Core	Rel-14
R3-162008	Reusing Available WLAN Measurements as E-CID Assistance Data	Ericsson	36.305			B	UTRA_LTE_iPos_enh2-Core	Rel-14
R3-162009	Reusing Available WLAN Measurements to Enhance E-CID	Ericsson	36.455	0055	4	B	UTRA_LTE_iPos_enh2-Core	Rel-14

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Annex H:
History

Document history		
Date	**TSG RAN WG3 Tdoc**	**Subject**
31.08.2016		First draft
12.09.2016		Second draft (includes results of email approvals)
27.09.2016		Third draft (correction to baseline CR list in Annex G)
30.09/2016		Fourth draft (fixed the type of TR36.742, v0.0.1: pCR -> draftTR)

Author: **Juha Korhonen** **3GPP TSG RAN WG3 MCC Support**

ETSI Mobile Competence Centre (MCC)
Tel. +33-492944352
email: Juha.Korhonen@etsi.org

APPENDIX 24

www.3gpp.org / ftp / Specs / archive / 38_series / 38.801

	sort by name/desc	sort by date/desc	sort by size/desc
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	38801-030.zip	2016/09/13 12:42	561,7 KB
	38801-040.zip	2016/09/13 12:44	1099,4 KB
	38801-050.zip	2016/12/08 10:18	1726,9 KB
	38801-060.zip	2016/12/08 10:20	1722,2 KB
	38801-061.zip	2016/12/08 10:22	3422,5 KB
	38801-100.zip	2016/12/08 10:23	3176,9 KB
	38801-110.zip	2017/03/06 13:54	7252,7 KB
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	38801-200.zip	2017/03/06 14:03	3869 KB
	38801-e00.zip	2017/04/03 0:04	3854,8 KB

14 items.

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www.3gpp.org / ftp / tsg_ran / WG3_Iu / TSGR3_93 / Docs

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sort by name/desc	sort by date/desc	sort by size/desc
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sort by name/desc	sort by date/desc	sort by size/desc
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R3-161774.zip	2016/08/12 9:43	629,3 KB
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R3-161778.zip	2016/08/12 10:05	27,3 KB
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R3-161785.zip	2016/08/12 10:07	229,3 KB
R3-161786.zip	2016/08/12 10:08	50,4 KB
R3-161787.zip	2016/08/12 10:08	137,1 KB
R3-161788.zip	2016/08/12 10:08	37 KB
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R3-161801.zip	2016/08/12 10:34	29,1 KB
R3-161802.zip	2016/08/12 22:36	62,8 KB
R3-161803.zip	2016/08/12 10:34	28,7 KB
R3-161804.zip	2016/08/12 20:36	593,1 KB
R3-161805.zip	2016/08/12 9:21	91,2 KB
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R3-161807.zip	2016/08/12 10:02	52,1 KB
R3-161808.zip	2016/08/12 10:02	45,4 KB
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R3-161810.zip	2016/08/13 3:04	28 KB
R3-161811.zip	2016/08/13 3:04	314,3 KB
R3-161812.zip	2016/08/13 3:04	292,4 KB
R3-161813.zip	2016/08/13 3:04	98,8 KB

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sort by name/desc	sort by date/desc	sort by size/desc
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R3-161815.zip	2016/08/13 3:04	14,4 KB
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R3-161817.zip	2016/08/13 3:04	26,3 KB
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R3-161825.zip	2016/08/12 12:42	190,5 KB
R3-161826.zip	2016/08/13 5:53	18,1 KB
R3-161827.zip	2016/08/13 5:53	18,1 KB
R3-161828.zip	2016/08/13 5:53	17,6 KB
R3-161829.zip	2016/08/13 5:53	17,6 KB
R3-161830.zip	2016/08/13 5:53	125,5 KB
R3-161831.zip	2016/08/13 5:53	32,6 KB
R3-161832.zip	2016/08/13 5:53	90,6 KB
R3-161833.zip	2016/08/13 5:53	96,5 KB
R3-161834.zip	2016/08/13 5:29	195,5 KB
R3-161835.zip	2016/08/13 5:29	36,7 KB
R3-161837.zip	2016/08/13 5:50	153,2 KB
R3-161838.zip	2016/08/13 5:50	30,8 KB
R3-161839.zip	2016/08/12 15:03	147 KB
R3-161840.zip	2016/08/16 6:37	154 KB
R3-161841.zip	2016/08/13 3:47	83,9 KB
R3-161842.zip	2016/08/13 3:48	270 KB
R3-161843.zip	2016/08/13 3:48	108,3 KB
R3-161844.zip	2016/08/13 3:48	294,7 KB
R3-161845.zip	2016/08/13 3:48	73,3 KB
R3-161846.zip	2016/08/13 3:48	230,2 KB
R3-161847.zip	2016/08/13 3:48	33,6 KB
R3-161848.zip	2016/08/13 3:48	201,1 KB

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sort by name/desc	sort by date/desc	sort by size/desc
R3-161849.zip	2016/08/13 3:48	273,5 KB
R3-161850.zip	2016/08/12 15:53	16 KB
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R3-161852.zip	2016/08/12 23:20	46,5 KB
R3-161853.zip	2016/08/12 23:20	19,2 KB
R3-161854.zip	2016/08/12 23:20	38,5 KB
R3-161855.zip	2016/08/12 23:20	60 KB
R3-161856.zip	2016/08/12 23:21	45,9 KB
R3-161857.zip	2016/08/12 23:21	19,1 KB
R3-161858.zip	2016/08/12 23:02	62,5 KB
R3-161859.zip	2016/08/12 23:21	37,7 KB
R3-161860.zip	2016/08/12 23:02	202,6 KB
R3-161861.zip	2016/08/12 23:03	302,9 KB
R3-161862.zip	2016/08/12 23:21	58,6 KB
R3-161863.zip	2016/08/12 23:21	45,8 KB
R3-161864.zip	2016/08/12 23:02	81,9 KB
R3-161865.zip	2016/08/12 23:21	34,7 KB
R3-161866.zip	2016/08/12 23:02	17,7 KB
R3-161867.zip	2016/08/12 23:02	18 KB
R3-161868.zip	2016/08/12 23:03	217,1 KB
R3-161869.zip	2016/08/13 6:34	35,2 KB
R3-161870.zip	2016/08/13 6:34	73,9 KB
R3-161871.zip	2016/08/13 6:34	52,3 KB
R3-161872.zip	2016/08/13 6:34	13,6 KB
R3-161873.zip	2016/08/13 6:35	51,1 KB
R3-161874.zip	2016/08/13 6:35	26,6 KB
R3-161875.zip	2016/08/12 20:22	37 KB
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R3-161877.zip	2016/08/13 6:35	45,8 KB
R3-161879.zip	2016/08/13 6:35	44,5 KB
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R3-161882.zip	2016/08/12 23:21	14,7 KB
R3-161883.zip	2016/08/12 23:21	34,3 KB
R3-161884.zip	2016/08/12 23:21	15,5 KB

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sort by name/desc	sort by date/desc	sort by size/desc
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R3-161888.zip	2016/08/12 23:21	76,3 KB
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R3-161893.zip	2016/08/12 23:22	60,6 KB
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R3-161897.zip	2016/08/12 23:22	315,6 KB
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R3-161902.zip	2016/08/12 23:22	60,6 KB
R3-161903.zip	2016/08/12 23:22	12,8 KB
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R3-161905.zip	2016/08/12 23:23	15,7 KB
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R3-161907.zip	2016/08/12 23:23	17,8 KB
R3-161908.zip	2016/08/12 23:23	207,4 KB
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R3-161910.zip	2016/08/12 23:23	12 KB
R3-161911.zip	2016/08/12 23:24	37,8 KB
R3-161912.zip	2016/08/12 23:24	15,3 KB
R3-161913.zip	2016/08/12 23:24	36,2 KB
R3-161914.zip	2016/08/12 23:24	16,2 KB
R3-161915.zip	2016/08/12 23:24	38,8 KB
R3-161916.zip	2016/08/12 23:24	16,6 KB
R3-161917.zip	2016/08/12 23:24	55 KB
R3-161918.zip	2016/08/12 23:24	17,9 KB

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sort by name/desc	sort by date/desc	sort by size/desc
R3-161919.zip	2016/08/12 23:24	20,7 KB
R3-161920.zip	2016/08/12 23:24	20,8 KB
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R3-161922.zip	2016/08/12 23:24	16,1 KB
R3-161923.zip	2016/08/12 23:24	76,9 KB
R3-161924.zip	2016/08/12 23:24	16 KB
R3-161925.zip	2016/08/12 23:24	81,9 KB
R3-161926.zip	2016/08/13 6:35	22 KB
R3-161927.zip	2016/08/13 6:35	47 KB
R3-161928.zip	2016/08/12 18:18	384,9 KB
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R3-161930.zip	2016/08/13 3:23	32,2 KB
R3-161931.zip	2016/08/13 3:23	30,4 KB
R3-161934.zip	2016/08/13 1:22	28 KB
R3-161935.zip	2016/08/13 1:23	665,8 KB
R3-161936.zip	2016/08/13 1:22	32,8 KB
R3-161937.zip	2016/08/13 5:26	13,1 KB
R3-161938.zip	2016/08/13 5:26	33,4 KB
R3-161939.zip	2016/08/13 4:51	28,3 KB
R3-161940.zip	2016/08/13 4:51	31,9 KB
R3-161941.zip	2016/08/13 6:23	50,6 KB
R3-161942.zip	2016/08/17 17:48	13,7 KB
R3-161943.zip	2016/08/18 14:22	13,4 KB
R3-161944.zip	2016/08/18 14:22	14,6 KB
R3-161945.zip	2016/08/18 20:59	17,4 KB
R3-161946.zip	2016/08/18 21:27	14,6 KB
R3-161947.zip	2016/08/19 4:56	18,7 KB
R3-161948.zip	2016/08/23 16:16	678,1 KB
R3-161949.zip	2016/08/23 16:16	504,6 KB
R3-161950.zip	2016/08/26 23:05	45,8 KB
R3-161951.zip	2016/08/26 23:05	19,4 KB
R3-161952.zip	2016/08/26 23:05	20,3 KB
R3-161954.zip	2016/08/26 23:05	43,3 KB
R3-161955.zip	2016/08/26 23:05	44,5 KB

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R3-161957.zip	2016/08/26 23:05	10,6 KB
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R3-161959.zip	2016/08/26 23:05	24,8 KB
R3-161960.zip	2016/08/26 23:05	23,5 KB
R3-161961.zip	2016/08/26 23:05	12,1 KB
R3-161962.zip	2016/09/07 13:36	1115,5 KB
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R3-161968.zip	2016/08/26 23:05	74,7 KB
R3-161969.zip	2016/08/26 23:05	46,7 KB
R3-161970.zip	2016/08/26 23:05	12,7 KB
R3-161971.zip	2016/08/26 23:05	26,6 KB
R3-161972.zip	2016/08/26 23:05	428,3 KB
R3-161973.zip	2016/08/26 23:05	85,5 KB
R3-161974.zip	2016/08/26 23:05	27,3 KB
R3-161975.zip	2016/08/26 23:05	28,2 KB
R3-161976.zip	2016/08/26 23:05	20,8 KB
R3-161977.zip	2016/08/26 23:05	28,8 KB
R3-161978.zip	2016/08/26 23:05	28,3 KB
R3-161979.zip	2016/08/26 23:05	258,6 KB
R3-161980.zip	2016/08/26 23:05	28,9 KB
R3-161981.zip	2016/08/26 23:05	21,7 KB
R3-161982.zip	2016/08/26 23:05	52,7 KB
R3-161983.zip	2016/08/26 23:05	47,4 KB
R3-161984.zip	2016/08/26 23:05	52,9 KB
R3-161985.zip	2016/08/26 23:05	23,9 KB
R3-161986.zip	2016/08/26 23:05	18,4 KB
R3-161987.zip	2016/08/26 23:05	26,9 KB
R3-161988.zip	2016/08/26 23:05	26,9 KB
R3-161989.zip	2016/08/26 23:05	25,4 KB
R3-161990.zip	2016/08/26 23:05	28,1 KB
R3-161991.zip	2016/08/26 23:05	30,1 KB
R3-161992.zip	2016/08/26 23:05	26,3 KB

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R3-161993.zip	2016/08/26 23:05	106,6 KB
R3-161994.zip	2016/08/26 23:05	25,6 KB
R3-161995.zip	2016/08/26 23:05	116,3 KB
R3-161996.zip	2016/08/26 23:05	46,5 KB
R3-161997.zip	2016/08/26 23:05	25,7 KB
R3-161998.zip	2016/08/26 23:05	68,9 KB
R3-161999.zip	2016/08/26 23:05	40,5 KB
R3-162000.zip	2016/08/26 23:05	105 KB
R3-162001.zip	2016/08/26 23:05	27,7 KB
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R3-162009.zip	2016/08/26 23:05	38,3 KB
R3-162010.zip	2016/08/26 23:05	30,8 KB
R3-162011.zip	2016/08/26 23:05	70,5 KB
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R3-162021.zip	2016/08/26 23:05	31 KB
R3-162022.zip	2016/08/26 23:05	69 KB
R3-162023.zip	2016/08/26 23:05	15,9 KB
R3-162024.zip	2016/08/26 23:05	47,3 KB
R3-162025.zip	2016/08/26 23:05	37,1 KB
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Case No. IPR2025-00036; U.S. Patent No. 11,627,631
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sort by name/desc	sort by date/desc	sort by size/desc
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R3-162028.zip	2016/08/26 23:05	49,1 KB
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R3-162043.zip	2016/08/26 23:05	17,6 KB
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R3-162048.zip	2016/08/26 23:05	27,2 KB
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R3-162053.zip	2016/08/26 23:05	26,3 KB
R3-162054.zip	2016/08/26 23:05	27,4 KB
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R3-162056.zip	2016/08/26 23:05	106 KB
R3-162057.zip	2016/08/26 23:05	40,6 KB
R3-162058.zip	2016/08/26 23:05	27,9 KB
R3-162059.zip	2016/09/01 10:52	27,6 KB
R3-162060.zip	2016/08/26 23:05	209 KB
R3-162061.zip	2016/08/26 23:05	23,9 KB
R3-162062.zip	2016/09/01 10:52	127 KB
R3-162063.zip	2016/08/26 23:05	41,6 KB

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sort by name/desc	sort by date/desc	sort by size/desc
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R3-162065.zip	2016/08/26 23:05	27,9 KB
R3-162066.zip	2016/09/01 10:52	12,5 KB
R3-162067.zip	2016/08/26 23:41	12,4 KB
R3-162068.zip	2016/08/26 23:41	10,6 KB
R3-162069.zip	2016/08/26 23:05	12,2 KB
R3-162070.zip	2016/08/26 23:05	16,6 KB
R3-162071.zip	2016/09/08 11:15	33,2 KB
R3-162072.zip	2016/09/08 11:15	34,4 KB
R3-162073.zip	2016/09/10 13:26	1206,1 KB
R3-162074.zip	2016/09/09 9:25	26,3 KB
R3-162075.zip	2016/09/08 8:26	244,5 KB
R3-162076.zip	2016/09/01 10:52	16,3 KB
R3-162077.zip	2016/08/26 23:05	27,3 KB
R3-162078.zip	2016/09/01 10:52	28 KB
R3-162079.zip	2016/09/09 9:56	112,1 KB
R3-162080.zip	2016/09/01 11:04	12,5 KB
R3-162081.zip	2016/09/05 7:52	460,7 KB
R3-162082.zip	2016/09/05 7:53	451 KB
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529 items.

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APPENDIX 26



3GPP_TSG_RAN_WG3 Archives
September 2016, Week 1

3GPP_TSG_RAN_WG3@LIST.ETSI.ORG



Options: Use Monospaced Font
Show Text Part by Default
Show All Mail Headers

Message: [<< First] [< Prev] [Next >] [Last >>]
Topic: [<< First] [< Prev] [Next >] [Last >>]
Author: [<< First] [< Prev] [Next >] [Last >>]





Subject: Re: [#03: TR 38.801 TR update- NR] (NEC)
From: Chenghock Ng <ngcheng@DA.JP.NEC.COM>
Reply To: Chenghock Ng <ngcheng@DA.JP.NEC.COM>
Date: Wed, 7 Sep 2016 11:27:54 +0000
Content-Type: multipart/mixed
Parts/Attachments: text/plain (19 kB) , text/html (110 kB) , R3-161962.zip (1 MB)

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Dear all
Thanks for all reviewing and comments.
Please find attached the R3-161962 that includes the 38.801v040.

Best Regards

Chenghock Ng
NEC Corporation

From: Martin Israelsson [mailto:martin.israelsson@ERICSSON.COM]
Sent: Wednesday, September 07, 2016 7:22 PM
To: 3GPP_TSG_RAN_WG3@LIST.ETSI.ORG
Subject: Re: [#03: TR 38.801 TR update- NR] (NEC)

Hello All,

Summary:
Kicked off by NEC 31th August with a first draft. Comment from ZTE to move the TP in R3-161995 for interworking with WLAN into chapter 15. Nokia proposed 3 corrections. Confirmation from NEC on ZTE and Nokia correction 1/ and 2/, but proposed that the rapporteur would handle correction 3/ later. NEC provided a second draft. AT&T propose to move the implementation of some agreed text from 6.1.2.1 to 6.1.2.1.1, and to re-label the options to 7-1 and 7-2. CATT indicated support for the proposal from AT&T. NEC provided a 3rd draft taking into account the proposal from AT&T. Nokia pointed out one un-clarity with the 3rd draft as a result of the re-structuring, and proposed to add a sentence. NEC provided a 4th draft taking into account the comment from Nokia. Nokia pointed out 2 additional editorials, and NEC confirmed that they will be corrected in the next draft. Ericsson proposed and update of 2 section titles. NEC provided a 5th draft taking into account the latest comments.

Draft 5 is agreed as version 0.4.0. Please provide the agreed TR version in R3-161962.

/Martin I.

From: Chenghock Ng [mailto:ngcheng@DA.JP.NEC.COM]
Sent: den 7 september 2016 12:07
To: 3GPP_TSG_RAN_WG3@LIST.ETSI.ORG
Subject: Re: [#03: TR 38.801 TR update- NR] (NEC)

Hi Angelo and all,
Thanks for the comment.
I just wanted to align with already existing name of the options.
But your suggestion is fine for me.

Please then find attached the update of the draft that included suggestion from Tsune and Angelo.
The changed places were highlighted in gray color.

Best Regards

Chenghock Ng
NEC Corporation

From: Angelo Centonza [mailto:angelo.centonza@ERICSSON.COM]
Sent: Wednesday, September 07, 2016 6:32 PM
To: 3GPP_TSG_RAN_WG3@LIST.ETSI.ORG
Subject: Re: [#03: TR 38.801 TR update- NR] (NEC)

Hello Chenghock, All,

I followed the discussion so far and I wonder why we have titles like the ones below:

6.1.2.2.1 Option 1 (1A-like split)

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6.1.2.2.2 Option 2 (3C-like split)

This becomes a little confusing to a reader that does not know what 1A and 3C is.
I would therefore suggest to keep the protocol split in the headers. I am fine with keeping the text saying "1A/3C-like split"

A suggestion on how to change them would be as follows:

6.1.2.2.1 Option 1 (RRC/PDCP, 1A-like split)

6.1.2.2.2 Option 2 (PDCP/RLC, 3C-like split)

Kind Regards,
Angelo

From: Chenghock Ng [mailto:ngcheng@DA.JP.NEC.COM]
Sent: 07 September 2016 10:19
To: 3GPP_TSG_RAN_WG3@LIST.ETSI.ORG
Subject: Re: [#03: TR 38.801 TR update- NR] (NEC)

Hi Tsune,
Thanks for pointing out.
These will be reflected in next draft version.
Best Regards

Chenghock Ng
NEC Corporation

From: Chiba, Tsunehiko (Nokia - JP/Tokyo) [mailto:tsunehiko.chiba@NOKIA.COM]
Sent: Wednesday, September 07, 2016 4:48 PM
To: 3GPP_TSG_RAN_WG3@LIST.ETSI.ORG
Subject: Re: [#03: TR 38.801 TR update- NR] (NEC)

Hi Chenghock,

Thank you for your update.
I am fine with this version.
Two small editorials:

1)
Multiple realizations of this option are possible, including asymmetrical options in which one sub-option (e.g. 7-1) is used in the UL and another sub-option (e.g. 7=2) is used in the DL

7=2 should be 7-2.

2)
Benefits and Justification for Option 7-1 and 7-2:- Compared to Option 8 this option is expected to reduce the fronthaul requirements in terms of throughput [details are FFS].

Please insert line break above.

Thank you!
Tsune

From: Chenghock Ng [mailto:ngcheng@da.jp.nec.com]
Sent: Wednesday, September 07, 2016 3:30 PM
To: Chiba, Tsunehiko (Nokia - JP/Tokyo) <tsunehiko.chiba@nokia.com>;

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3GPP_TSG_RAN_WG3@LIST.ETSI.ORG
Subject: RE: [#03: TR 38.801 TR update- NR] (NEC)

Hi Tsune,
Thanks for comment.
I think I haven't made my explanation clear.
As said I have no problem with your suggestion.(actually I have already reflected, just want to wait if any more comments so can send out next draft version.)
But I just want to make my intention clear that I tried not to add more text, even if I also found some description probably need clarification.

So please find attached which reflected your suggestion.
Also some more changes. All changes for this draft are highlighted in cyan color.
- added "Benefits and Justification for Option 7-1 and 7-2" as suggested by Tsune.
- Section 6.1.2.2.2 its title is changed to "Option 2 (3C-like split)" so align with the name of option 2 in 6.1.2.1.
- furthermore 7.1, 7.2 is changed to 7-1, 7-2.

Best Regards

Chenghock Ng
NEC Corporation

From: Chiba, Tsunehiko (Nokia - JP/Tokyo) [mailto:tsunehiko.chiba@NOKIA.COM]
Sent: Wednesday, September 07, 2016 2:55 PM
To: 3GPP_TSG_RAN_WG3@LIST.ETSI.ORG
Subject: Re: [#03: TR 38.801 TR update- NR] (NEC)

Hi Chenghock,

I respect your decision in general.
But we clearly agreed to introduce benefit and justifications in separate section, then accordingly updated to 2062 (see chairman note). It was double checked online.
I am fine to restructure and capture no additional text. But it shouldn't break the original intension.
Since you have already introduced not-agreed subsections, e.g., 6.1.2.2.1 and changed, the title of 6.1.2.2, I don't think "Benefits and Justification for Option 7-1 and 7-2:" is harmful.

If not, I prefer to go back to the original structure and not introducing new subsections for Option 1, 4, 5, 6, 8 since we haven't discussed those. The current description of 6.1.2.1 should be enough.

BR
Tsune

From: Chenghock Ng [mailto:ngcheng@da.jp.nec.com]
Sent: Wednesday, September 07, 2016 2:28 PM
To: Chiba, Tsunehiko (Nokia - JP/Tokyo) <tsunehiko.chiba@nokia.com>; 3GPP_TSG_RAN_WG3@LIST.ETSI.ORG
Subject: RE: [#03: TR 38.801 TR update- NR] (NEC)

Hi Tsune,
Just want to mention that,
I tried NOT to add new text but rather only to move the paragraphs from the agreed TP.
So you may find some paragraphs that may be not natural or not clear when they are put together.
I thought this however can be for refinement in next meeting.

The paragraph you pointed out is the agreed TP from R3-162602, so I guess your question apply to R3-162602 itself.
How do you think?

(but I have no problem with your suggestion, just to make clear my intention).

Best Regards

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Chenghock Ng
NEC Corporation

From: Chiba, Tsunehiko (Nokia - JP/Tokyo) [mailto:tsunehiko.chiba@NOKIA.COM]
Sent: Wednesday, September 07, 2016 1:42 PM
To: 3GPP_TSG_RAN_WG3@LIST.ETSI.ORG
Subject: Re: [#03: TR 38.801 TR update- NR] (NEC)

Hi Chenghock, all,

I am generally fine with this proposal.
However, now it is not clear the following statements are part of 7-2 or 7-1 or both. I assume both.

> Compared to Option 8 this option is expected to reduce the fronthaul requirements in terms of throughput [details are FFS].
>
> - It is expected to be able to maintain the ability to perform joint processing (both transmit and receive) across multiple TPs
> - Compared to higher splits (i.e. options 1-4) the option has the advantage of supporting centralized scheduling, e.g. CoMP
> - Option 7-1 allows the implementation of advanced receivers

If my understanding is correct, I would suggest to include the following text just before above.
Benefits and Justification for Option 7-1 and 7-2:

Option 3-1 and 3-2 are clearly separated.
What do you think?
BR
Tsune

From: Chenghock Ng [mailto:ngcheng@DA.JP.NEC.COM]
Sent: Wednesday, September 07, 2016 12:53 PM
To: 3GPP_TSG_RAN_WG3@LIST.ETSI.ORG
Subject: Re: [#03: TR 38.801 TR update- NR] (NEC)

Hi Vince, AiJuan and all,

Thanks for reviewing and comment.
Vince's suggestion e.g. the creation of new subsection look good to me because this will be cleaner and easy for the future meetings to further refinement of the existing text and for detail description of other options.

So I have done the following considering also AiJuan comment.
A1) section 6.1.2.1, moved the added text under Option 3 and Option 7 to new subsection under new created section for detail description.
A2) The detail description section is created as "6.1.2.2 Detailed Description of Candidate Split Options and Justification".
A3) further created subsection for each option under 6.1.2.2 as e.g. "6.1.2.2.1 Option 1 (1A-like split)", "6.1.2.2.2 Option 2 (PDCP/RLC split)" etc.
A4) consequently, I updated the numbering of existing sections and table.

All the changes have been highlighted in green color.
As you can see, I have tried not to do any change as much as possible of the agreed TP, so you may find some paragraphs that are not so naturally described as they are from different TP. But this can be for refinement in future meetings.

Best Regards

Chenghock Ng
NEC Corporation

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Chenghock Ng
NEC Corporation

From: liuaijuan [mailto:liuaijuan@CATT.CN]
Sent: Wednesday, September 07, 2016 11:01 AM
To: 3GPP_TSG_RAN_WG3@LIST.ETSI.ORG
Subject: Re: [#03: TR 38.801 TR update- NR] (NEC)

Hi, Vince,Chenghock and all

Thank you for the hard work

Basically, proposal from Vince is fine to us. Following this comment, it seems the justification/benefits text for option 3 mainly applied to option 3-1 in which ARQ is put in CU. Then in section 6.1.2.1.1,maybe separate descriptions for option 3-1 and option 3-2 are needed.

Thank you.

BR,
Aijuan

From: SPATAFORA, VINCE A [mailto:VS5785@ATT.COM]
Sent: Wednesday, September 07, 2016 6:41 AM
To: 3GPP_TSG_RAN_WG3@LIST.ETSI.ORG
Subject: Re: [#03: TR 38.801 TR update- NR] (NEC)

Hi Chenghock,

Nice work in rolling all this together. A couple of comments, for consideration, regarding where the new text is placed for the detailed RAN split descriptions:

1/ In Section 6.1.2.1, Option 7.

- Organizationally, I think it would be better to move the detailed description on the Option 7 split from R3-162062 (Intel+AT&T), to section 6.1.2.1.1. If it is moved, then a small label/header should be added to ensure there is distinction between the Detailed Description and the Justification/Benefits text.
- I believe there was a request during the final online discussion to change Option 7.1 to **Option 7-1.** Same for 7.2 → **7-2** (to reduce possible confusion with section 7.X).

2/ This same move for the added description from R3-162051 (CATT) could also be applied for Option 3 (move that new text to Section 6.1.2.1.1), for Detailed Description.

My suggestions are with the intent to keep the general descriptions in the original section, and the new detailed descriptions in the newly created section created for that purpose. Hopefully, these suggestions would be ok with CATT and Intel and the rest of RAN3.

Thank you.

Regards,
Vince

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From: Chenghock Ng [mailto:ngcheng@DA.JP.NEC.COM]
Sent: Sunday, September 04, 2016 11:59 PM
To: 3GPP_TSG_RAN_WG3@list.etsi.org
Subject: Re: [#03: TR 38.801 TR update- NR] (NEC)

Dear all,
Please see attached the second draft that reflected comments from ZTE and Nokia and editorial
The changed places are highlighted in yellow color:
1) section 6.3.1: replaced “option /3A” to “option 3/3A”. In the same paragraph
2) section 6.3.2.1: replaced “new RAN” to “RAN”.
3) moved the figures for WLAN interworking in Figure 6.3.2.1-3 and Figure 6.3.2.1-4 to chapter 15 Interworking with non-3GPP systems.
4) editorial:
- section 2: Ref [12] its font size.
- section 6.3.1: paragraph below Figure 6.3.1-5, the font color is changed from blue to black.

Best Regards

Chenghock Ng
NEC Corporation

From: Chenghock Ng [mailto:ngcheng@DA.JP.NEC.COM]
Sent: Friday, September 02, 2016 6:49 PM
To: 3GPP_TSG_RAN_WG3@LIST.ETSI.ORG
Subject: Re: [#03: TR 38.801 TR update- NR] (NEC)

Hi Philippe,

Thanks for checking.
For 1/ and 2/ I think it is ok to fix in this update.
For 3/ figure 7.2.1.2-1 in scenario 1, since the figure was not toughed by any agreed TP, I would like to give a try as a rapporteur proposed editorial update, after we will approve this version of TR. So just let us keep as it is for now.

Best Regards

Chenghock Ng
NEC Corporation

From: Godin, Philippe (Nokia - FR) [mailto:philippe.godin@NOKIA.COM]
Sent: Friday, September 02, 2016 12:20 AM
To: 3GPP_TSG_RAN_WG3@LIST.ETSI.ORG
Subject: Re: [#03: TR 38.801 TR update- NR] (NEC)

Hi Chenghock,

Thanks for the huge work indeed. While checking the integration i have just spotted a few things that could be fixed:
1/ Typo section 6.3.1: below figure 6.3.1-2 you have
In option /3A -> in option 3/3A
Comes from integrated tdoc but maybe you could fix this typo.

2/ section 6.3.2.1 here maybe a conflict on integrating two tdocs (1966 & 1972) which has resulted into:

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In order to support the options described in section 6.3.1, the following scenarios for connectivity between the New RAN consisting of E-UTRA, Evolved E-UTRA and NR
The “new RAN” here had been introduced by 1972 in parallel of changes from 1966 on same sentence which introduced the “E-UTRA” in the same sentence. That is why 1966 had kept the word “RAN” and not “new RAN”.
This is an obvious collision. I suggest you replace “new RAN” by “RAN” here.

3/ naming in section 7.2.1.2
In figure 7.2.1.2-1 in scenario 1 the eLTE eNB at the left part is an LTE eNB according to the new definitions. This does not come from any TP integration. But am wondering if you can fix this now, or alternatively Nokia can bring a CR next meeting?

Thanks,
BR
Philippe.

De : Yin Gao [mailto:gao.yin1@ZTE.COM.CN]
Envoyé : jeudi 1 septembre 2016 11:29
À : 3GPP_TSG_RAN_WG3@LIST.ETSI.ORG
Objet : Re: [#03: TR 38.801 TR update- NR] (NEC)

Dear Chonghock and all,

Thanks for your hard work on this update TR.

One quick comment is that we have Chapter 15 in TR for Interworking with non-3GPP systems, then it would be better to move the TP in R3-161995 for interworking with WLAN into this chapter, wouldn't it?

Thanks.
BR,
Yin

Chenghock Ng <ngcheng@DA.JP.NEC.COM>

2016/08/31 17:14

请答复 给
Chenghock Ng <ngcheng@DA.JP.NEC.COM>

收件人 3GPP_TSG_RAN_WG3@LIST.ETSI.ORG,
抄送
主题 [#03: TR 38.801 TR update- NR] (NEC)

Dear all,

[#03: TR 38.801 TR update- NR] (NEC)
The update should focus only on new agreed TP, the alignment on terminology in core part (text and figure) will be provided by next meeting.
Next version of the TR, v0.4.0, will be in R3-161962, if agreed
email approval deadline September 7th Wednesday noon (12:00) CEST

Please find the first draft of the TR38.801v040 that reflected the agreed TPs from the last RAN3#93 meeting.
As noted from the chair, this update only focus on the agreed TP.
The alignment on terminology as a whole will be provided after this e-mail approval, in an offline unofficial e-mail thread.

When I reflected the TP, I also aligned those parts that obviously need to align, e.g. the style of bullet points, the style of sections, created sections etc., those are shown below.

- R3-161867
- R3-161972
- R3-161973: as agreed in the meeting, TP for TR is agreed only the sentence in general section 5.1 but not into a new section

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- R3-161975
- R3-162049: aligned the style of paragraph
- R3-161978
- R3-161979: aligned the style of bullet points, removed “ex1” inside figures, aligned the style of Figure title.
- R3-161980: created section 9.3, aligned the style of editor note
- R3-162011: as agreed in the meeting, created section 6.1.3 instead of the section number in the TP
- R3-161966: aligned the style of editor note, removed the color.
- R3-162056: aligned the style of bullet points, aligned the ref. [8]
- R3-162057: aligned the style of bullet points. Created section 14.2, added [9] ref R3-161772
- R3-162058: aligned the style of bullet points, Created section 14.3, aligned the section title, added [10] ref R3-161809
- R3-162032
- R3-162034
- R3-162059: created section 6.3.1.1
- R3-162062: aligned the style of bullet points, created section 6.1.2.1.1
- R3-162051: aligned the style of bullet points. Added “Option” so it is “Option 3-1”, “Option 3-2”.
- R3-162063
- R3-162005: added ref [11]

ATOM RSS1 RSS2

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APPENDIX 27

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	RAN #72	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN6	approved RAN	sum approved	approved RAN #71 per REL
2	Rel-8	F	1	1	0	0	0	1	0	0	0	1	
3	Rel-9	F	1	1	0	0	0	1	0	0	0	1	
4	Rel-10	F	3	3	0	1	0	2	0	0	0	3	
5	Rel-11	A	2	2	0	1	0	1	0	0	0	2	
6	Rel-11	B	2	2	0	2	0	0	0	0	0	2	
7	Rel-11	D	1	1	0	0	0	1	0	0	0	1	
8	Rel-11	F	22	22	0	1	0	4	17	0	0	22	
9	Rel-12	A	7	6	0	4	0	2	0	0	0	6	
10	Rel-12	B	17	17	0	0	0	0	17	0	0	17	
11	Rel-12	C	1	0	0	0	0	0	0	0	0	0	
12	Rel-12	F	378	375	5	13	3	36	318	0	0	375	
13	Rel-13	A	47	44	5	11	2	26	0	0	0	44	
14	Rel-13	B	143	134	6	13	8	107	0	0	0	134	
15	Rel-13	C	6	5	0	4	0	1	0	0	0	5	
16	Rel-13	D	3	3	1	0	0	2	0	0	0	3	
17	Rel-13	F	782	775	105	149	20	143	358	0	0	775	
18	Rel-14	B	44	43	0	0	4	39	0	0	0	43	
19	Rel-14	F	2	2	0	0	0	2	0	0	0	2	
20	sum		1462	1436	122	199	37	368	710	0	0	1436	
21													
22													
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	A	B	C	D	E	F	G	H	I	J	K	L	M
1	RAN #72	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN6	approved RAN	sum approved	approved RAN #71 per REL
32													
33													
34													
35													
36													
37													
38													
39													
40													
41													
42													
43													
44													
45													
46	RAN #71	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN	sum approved		approved RAN #71 per REL
47	Rel-8	D	1	1	0	0	0	1	0	0	1		
48	Rel-8	F	1	1	0	0	0	1	0	0	1		2
49	Rel-9	A	2	2	0	0	0	2	0	0	2		
50	Rel-9	B	1	1	0	0	0	1	0	0	1		3
51	Rel-10	B	3	3	0	0	0	3	0	0	3		
52	Rel-10	D	1	1	0	0	0	1	0	0	1		
53	Rel-10	F	2	2	0	0	0	2	0	0	2		6
54	Rel-11	A	2	2	0	0	0	2	0	0	2		
55	Rel-11	B	10	10	0	0	0	4	6	0	10		
56	Rel-11	D	1	1	0	0	0	1	0	0	1		
57	Rel-11	F	31	30	1	2	0	10	17	0	30		43
58	Rel-12	A	15	14	1	2	0	11	0	0	14		
59	Rel-12	B	32	32	0	0	0	4	28	0	32		
60	Rel-12	C	4	3	0	3	0	0	0	0	3		

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	A	B	C	D	E	F	G	H	I	J	K	L	M
1	RAN #72	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN6	approved RAN	sum approved	approved RAN #71 per REL
61	Rel-12	F	505	505	1	14	2	32	456	0	505		554
62	Rel-13	A	54	53	2	16	2	33	0	0	53		
63	Rel-13	B	108	89	5	22	9	53	0	0	89		
64	Rel-13	C	12	12	0	10	2	0	0	0	12		
65	Rel-13	D	16	16	0	3	12	1	0	0	16		
66	Rel-13	F	399	393	62	78	14	48	191	0	393		563
67	sum		1200	1171	72	150	41	210	698	0	1171		1171
68													
69													
70													
71													
72													
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	A	B	C	D	E	F	G	H	I	J	K	L	M
1	RAN #72	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN6	approved RAN	sum approved	approved RAN #71 per REL
91	RAN #70	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN	sum approved		approved RAN #70 per REL
92	Rel-8	B	1	1	0	0	0	1	0	0	1		1
93	Rel-9	B	3	3	0	0	0	3	0	0	3		
94	Rel-9	F	2	2	0	0	0	2	0	0	2		5
95	Rel-10	A	2	2	0	0	0	2	0	0	2		
96	Rel-10	B	8	8	0	0	0	8	0	0	8		
97	Rel-10	C	3	3	0	3	0	0	0	0	3		
98	Rel-10	D	1	1	0	0	0	1	0	0	1		
99	Rel-10	F	20	20	0	3	0	10	7	0	20		34
100	Rel-11	A	17	16	0	6	0	10	0	0	16		
101	Rel-11	B	19	19	0	0	0	18	1	0	19		
102	Rel-11	F	83	83	0	4	0	37	42	0	83		118
103	Rel-12	A	56	55	0	10	0	45	0	0	55		
104	Rel-12	B	64	64	0	0	0	21	43	0	64		
105	Rel-12	C	5	3	0	3	0	1	0	0	4		
106	Rel-12	D	1	1	0	0	0	0	0	0	0		
107	Rel-12	F	703	700	8	31	2	60	599	0	700		823
108	Rel-13	A	95	95	0	7	1	87	0	0	95		
109	Rel-13	B	345	326	25	106	57	138	0	0	326		
110	Rel-13	C	6	6	0	2	4	0	0	0	6		
111	Rel-13	D	1	1	0	0	0	1	0	0	1		
112	Rel-13	F	47	47	2	2	3	23	17	0	47		475
113	sum		1482	1456	35	177	67	468	709	0	1456		1456
114													
115													

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	A	B	C	D	E	F	G	H	I	J	K	L	M
1	RAN #72	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN6	approved RAN	sum approved	approved RAN #71 per REL
116													
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131													
132													
133													
134	RAN #69	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN	sum approved		approved RAN #69 per REL
135	Rel-10	B	4	3	0	0	0	3	0	0	3		
136	Rel-10	C	2	2	0	2	0	0	0	0	2		
137	Rel-10	F	13	13	1	3	0	9	0	0	13		18
138	Rel-11	A	16	16	1	6	0	8	0	0	15		
139	Rel-11	B	9	8	0	0	0	5	3	0	8		
140	Rel-11	C	2	2	0	2	0	0	0	0	2		

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	A	B	C	D	E	F	G	H	I	J	K	L	M
1	RAN #72	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN6	approved RAN	sum approved	approved RAN #71 per REL
141	Rel-11	F	26	25	0	1	0	13	11	0	25		51
142	Rel-12	A	26	25	1	6	0	18	0	0	25		
143	Rel-12	B	124	123	0	0	0	22	101	0	123		
144	Rel-12	C	8	6	0	6	0	0	0	0	6		
145	Rel-12	D	4	4	0	1	0	3	0	0	4		
146	Rel-12	F	657	656	5	25	2	50	575	0	657		814
147	Rel-13	A	62	61	0	1	2	58	0	0	61		
148	Rel-13	B	45	37	2	3	3	29	0	0	37		
149	Rel-13	F	14	14	0	0	2	11	1	0	14		112
150	sum		1012	995	10	56	9	229	691	0	995		
151													
152													
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	A	B	C	D	E	F	G	H	I	J	K	L	M
1	RAN #72	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN6	approved RAN	sum approved	approved RAN #71 per REL
168													
169													
170													
171													
172	RAN #68	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN	sum approved		approved RAN #68 per REL
173	Rel-8	F	1	1	0	0	0	0	1	0	1		1
174	Rel-9	F	1	1	0	0	0	0	1	0	1		1
175	Rel-10	B	11	10	0	0	0	4	6	0	10		
176	Rel-10	C	1	1	0	1	0	0	0	0	1		
177	Rel-10	F	43	43	1	4	0	11	27	0	43		54
178	Rel-11	A	15	15	1	5	0	9	0	0	15		
179	Rel-11	B	11	10	0	0	0	6	4	0	10		
180	Rel-11	F	101	101	1	2	0	29	69	0	101		126
181	Rel-12	A	37	37	2	7	0	28	0	0	37		
182	Rel-12	B	187	179	0	1	0	121	57	0	179		
183	Rel-12	C	3	2	0	2	0	0	0	0	2		
184	Rel-12	D	2	2	0	1	0	1	0	0	2		
185	Rel-12	F	737	731	16	61	12	76	566	0	731		951
186	Rel-13	B	38	36	0	4	4	28	0	0	36		
187	Rel-13	F	5	4	0	0	0	4	0	0	4		40
188	sum		1193	1173	21	88	16	317	731	0	1173		1173
189													
190													
191													
192													

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	A	B	C	D	E	F	G	H	I	J	K	L	M
1	RAN #72	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN6	approved RAN	sum approved	approved RAN #71 per REL
193													
194													
195													
196													
197													
198													
199													
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201													
202													
203													
204													
205													
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208													
209													
210													
211													
212													
213	RAN #67	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN	sum approved		approved RAN #67 per REL
214	Rel-9	F	1	1	0	0	0	1	0	0	1		1
215	Rel-10	A	1	1	0	0	0	1	0	0	1		
216	Rel-10	B	10	10	0	1	0	0	9	0	10		
217	Rel-10	F	42	42	0	4	0	13	25	0	42		53
218	Rel-11	A	16	15	0	4	0	11	0	0	15		

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	A	B	C	D	E	F	G	H	I	J	K	L	M
1	RAN #72	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN6	approved RAN	sum approved	approved RAN #71 per REL
219	Rel-11	B	13	13	0	1	0	0	12	0	13		
220	Rel-11	D	1	1	0	0	0	1	0	0	1		
221	Rel-11	F	99	99	2	6	3	17	71	0	99		128
222	Rel-12	A	25	25	2	6	2	15	0	0	25		
223	Rel-12	B	108	107	4	8	3	26	66	0	107		
224	Rel-12	C	9	5	4	1	0	0	0	0	5		
225	Rel-12	D	6	6	0	2	3	1	0	0	6		
226	Rel-12	F	584	583	8	38	25	63	449	0	583		726
227	REL-13	F	1	1	0	0	0	1	0	0	1		1
228	sum		916	909	20	71	36	150	632	0	909		909
229													
230													
231													
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	A	B	C	D	E	F	G	H	I	J	K	L	M
1	RAN #72	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN6	approved RAN	sum approved	approved RAN #71 per REL
246													
247													
248													
249	RAN #66	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN	sum approved		approved RAN #66 per REL
250	Rel-8	F	3	3	0	0	0	3	0	0	3		3
251	Rel-9	A	2	2	0	0	0	2	0	0	2		
252	Rel-9	F	5	4	0	0	0	4	0	0	4		6
253	Rel-10	A	2	2	0	0	0	2	0	0	2		
254	Rel-10	B	17	16	0	0	0	2	14	0	16		
255	Rel-10	C	2	2	0	2	0	0	0	0	2		
256	Rel-10	F	62	62	0	2	0	29	31	0	62		82
257	Rel-11	A	21	21	0	4	0	17	0	0	21		
258	Rel-11	B	143	141	0	4	0	5	132	0	141		
259	Rel-11	C	2	2	0	2	0	0	0	0	2		
260	Rel-11	F	246	246	3	1	1	48	194	0	247		411
261	Rel-12	A	65	63	2	10	1	50	0	0	63		
262	Rel-12	B	147	128	6	40	22	60	0	0	128		
263	Rel-12	C	17	17	0	14	3	0	0	0	17		
264	Rel-12	D	18	18	0	4	14	0	0	0	18		
265	Rel-12	F	543	543	12	53	18	74	385	0	542		768
266	REL-13	B	2	2	0	0	0	2	0	0	2		
267	REL-13	C	2	2	0	0	0	2	0	0	2		4
268	sum		1299	1274	23	136	59	300	756	0	1274		1274
269													
270													

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	A	B	C	D	E	F	G	H	I	J	K	L	M
1	RAN #72	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN6	approved RAN	sum approved	approved RAN #71 per REL
271													
272													
273													
274													
275													
276													
277													
278													
279													
280													
281													
282	RAN #65	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN	sum approved		approved RAN #65 per REL
283	Rel-8	F	5	5	0	0	0	5	0	0	5		5
284	Rel-9	A	1	1	0	0	0	1	0	0	1		
285	Rel-9	C	1	1	0	1	0	0	0	0	1		
286	Rel-9	F	6	6	0	0	1	5	0	0	6		8
287	Rel-10	A	4	4	0	1	1	2	0	0	4		
288	Rel-10	B	17	16	0	0	0	14	2	0	16		
289	Rel-10	F	55	55	0	3	0	17	35	0	55		75
290	Rel-11	A	16	16	0	4	1	11	0	0	16		
291	Rel-11	B	69	62	0	0	0	17	45	0	62		
292	Rel-11	C	1	1	0	1	0	0	0	0	1		
293	Rel-11	D	1	1	0	0	0	1	0	0	1		
294	Rel-11	F	321	321	4	16	0	30	271	0	321		401
295	Rel-12	A	55	50	2	19	1	28	0	0	50		
296	Rel-12	B	194	164	19	55	14	76	0	0	164		

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	A	B	C	D	E	F	G	H	I	J	K	L	M
1	RAN #72	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN6	approved RAN	sum approved	approved RAN #71 per REL
297	Rel-12	C	6	3	0	2	0	1	0	0	3		
298	Rel-12	D	9	6	0	1	3	2	0	0	6		
299	Rel-12	F	397	393	6	13	3	34	337	0	393		616
300	sum		1158	1105	31	116	24	244	690	0	1105		1105
301													
302													
303													
304													
305	REL-4, REL-5, REL-6 and REL-7 were closed after RAN #65												
306													
307													
308													
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	A	B	C	D	E	F	G	H	I	J	K	L	M
1	RAN #72	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN6	approved RAN	sum approved	approved RAN #71 per REL
326	RAN #64	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN	sum approved		approved RAN #64 per REL
327	Rel-7	F	1	1	0	1	0	0	0	0	1		1
328	Rel-8	A	1	1	0	1	0	0	0	0	1		
329	Rel-8	F	3	3	0	1	0	2	0	0	3		4
330	Rel-9	A	1	1	0	1	0	0	0	0	1		
331	Rel-9	B	1	1	0	1	0	0	0	0	1		
332	Rel-9	C	1	1	0	1	0	0	0	0	1		
333	Rel-9	F	12	12	0	6	1	5	0	0	12		15
334	Rel-10	A	9	9	0	7	1	1	0	0	9		
335	Rel-10	B	31	28	0	1	0	10	17	0	28		
336	Rel-10	D	1	1	0	0	0	1	0	0	1		
337	Rel-10	F	85	83	0	6	1	31	45	0	83		121
338	Rel-11	A	35	32	0	11	2	19	0	0	32		
339	Rel-11	B	99	98	0	1	0	14	83	0	98		
340	Rel-11	C	2	2	0	1	0	1	0	0	2		
341	Rel-11	D	2	2	1	1	0	0	0	0	2		
342	Rel-11	F	342	340	6	15	3	66	250	0	340		474
343	Rel-12	A	114	108	1	23	5	79	0	0	108		
344	Rel-12	B	165	148	4	39	16	89	0	0	148		
345	Rel-12	C	4	4	0	1	1	2	0	0	4		
346	Rel-12	D	2	2	0	0	0	2	0	0	2		
347	Rel-12	F	509	506	7	9	10	24	456	0	506		768
348	sum		1420	1383	19	127	40	346	851	0	1383		1383
349													
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	A	B	C	D	E	F	G	H	I	J	K	L	M
1	RAN #72	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN6	approved RAN	sum approved	approved RAN #71 per REL
355													
356													
357													
358													
359													
360													
361													
362													
363													
364													
365													
366	RAN #63	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN	sum approved		approved RAN #63 per REL
367	Rel-4	F	1	1	0	1	0	0	0	0	1		1
368	Rel-5	F	1	1	0	1	0	0	0	0	1		1
369	Rel-6	F	1	1	0	1	0	0	0	0	1		1
370	Rel-7	A	1	1	0	1	0	0	0	0	1		
371	Rel-7	F	1	1	1	0	0	0	0	0	1		2
372	Rel-8	A	2	2	1	1	0	0	0	0	2		
373	Rel-8	F	2	2	0	0	0	2	0	0	2		4
374	Rel-9	A	2	2	1	1	0	0	0	0	2		
375	Rel-9	C	1	1	0	1	0	0	0	0	1		
376	Rel-9	F	5	5	0	0	0	5	0	0	5		8
377	Rel-10	A	5	5	1	2	0	2	0	0	5		
378	Rel-10	B	12	12	0	0	0	5	7	0	12		
379	Rel-10	C	1	1	1	0	0	0	0	0	1		
380	Rel-10	F	71	70	1	3	0	19	47	0	70		88
381	Rel-11	A	25	24	3	4	0	17	0	0	24		
382	Rel-11	B	53	53	0	0	0	5	48	0	53		
383	Rel-11	C	6	4	0	3	0	1	0	0	4		

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	A	B	C	D	E	F	G	H	I	J	K	L	M
1	RAN #72	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN6	approved RAN	sum approved	approved RAN #71 per REL
384	Rel-11	D	1	1	0	0	0	1	0	0	1		
385	Rel-11	F	298	284	3	14	2	42	223	0	284		366
386	Rel-12	A	68	67	4	13	2	48	0	0	67		
387	Rel-12	B	46	35	1	12	5	17	0	0	35		
388	Rel-12	C	1	1	1	0	0	0	0	0	1		
389	Rel-12	D	1	1	0	0	0	1	0	0	1		
390	Rel-12	F	376	350	2	10	5	18	315	0	350		454
391	sum		981	925	20	68	14	183	640	0	925		925
392													
393													
394													
395													
396													
397													
398													
399													
400													
401													
402													
403													
404													
405													
406	RAN #62	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN	sum approved		approved RAN #62 per REL
407	Rel-4	F	1	1	0	1	0	0	0	0	1		1
408	Rel-5	A	1	1	0	1	0	0	0	0	1		1
409	Rel-6	A	1	1	0	1	0	0	0	0	1		1
410	Rel-7	A	1	1	0	1	0	0	0	0	1		
411	Rel-7	F	4	4	0	1	3	0	0	0	4		5
412	Rel-8	A	5	5	0	2	3	0	0	0	5		

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	A	B	C	D	E	F	G	H	I	J	K	L	M
1	RAN #72	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN6	approved RAN	sum approved	approved RAN #71 per REL
413	Rel-8	F	6	6	0	0	0	6	0	0	6		11
414	Rel-9	A	8	8	0	2	3	3	0	0	8		
415	Rel-9	C	1	1	0	1	0	0	0	0	1		
416	Rel-9	F	15	15	0	4	0	10	1	0	15		24
417	Rel-10	A	17	17	0	5	3	9	0	0	17		
418	Rel-10	B	12	11	0	1	0	8	2	0	11		
419	Rel-10	C	1	1	0	1	0	0	0	0	1		
420	Rel-10	F	153	136	1	17	2	27	89	0	136		165
421	Rel-11	A	56	55	1	19	5	30	0	0	55		
422	Rel-11	B	111	110	0	3	0	39	68	0	110		
423	Rel-11	C	6	6	0	4	1	1	0	0	6		
424	Rel-11	D	5	5	0	3	0	2	0	0	5		
425	Rel-11	F	634	563	5	29	8	67	454	0	563		739
426	Rel-12	A	115	114	0	0	0	114	0	0	114		
427	Rel-12	B	111	105	6	20	24	55	0	0	105		
428	Rel-12	C	2	2	0	2	0	0	0	0	2		
429	Rel-12	D	3	3	1	1	0	1	0	0	3		
430	Rel-12	F	120	118	6	3	7	26	76	0	118		342
431	sum		1389	1289	20	122	59	398	690	0	1289		1289
432													
433													
434													
435													
436													
437													
438													
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	A	B	C	D	E	F	G	H	I	J	K	L	M
1	RAN #72	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN6	approved RAN	sum approved	approved RAN #71 per REL
444													
445													
446	RAN #61	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN	sum approved		approved RAN #61 per REL
447	Rel-8	F	3	3	0	0	0	3	0	0	3		3
448	Rel-9	A	2	2	0	0	0	2	0	0	2		
449	Rel-9	B	2	2	0	0	0	0	2	0	2		
450	Rel-9	F	20	19	0	4	0	6	9	0	19		23
451	Rel-10	A	11	10	0	2	0	8	0	0	10		
452	Rel-10	B	7	7	0	0	0	5	2	0	7		
453	Rel-10	D	1	1	0	0	0	1	0	0	1		
454	Rel-10	F	147	146	0	8	1	24	113	0	146		164
455	Rel-11	A	40	38	0	10	1	27	0	0	38		
456	Rel-11	B	55	55	0	0	0	21	34	0	55		
457	Rel-11	C	7	1	0	1	0	0	0	0	1		
458	Rel-11	D	1	1	0	1	0	0	0	0	1		
459	Rel-11	F	459	458	13	21	15	48	361	0	458		553
460	Rel-12	A	80	80	0	0	0	80	0	0	80		
461	Rel-12	B	51	51	0	0	0	51	0	0	51		
462	Rel-12	F	6	6	0	0	0	6	0	0	6		137
463	sum		892	880	13	47	17	282	521	0	880		880
464													
465													
466													
467													
468													
469													
470													
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	A	B	C	D	E	F	G	H	I	J	K	L	M
1	RAN #72	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN6	approved RAN	sum approved	approved RAN #71 per REL
473													
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485													
486	RAN #60	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN	sum approved		approved RAN #60 per REL
487	Rel-8	B	2	2	0	0	0	2	0	0	2		
488	Rel-8	F	10	9	0	4	0	5	0	0	9		11
489	Rel-9	A	8	7	0	3	0	4	0	0	7		
490	Rel-9	B	2	2	0	0	0	2	0	0	2		
491	Rel-9	F	43	42	0	3	1	23	15	0	42		51
492	Rel-10	A	30	28	0	4	1	23	0	0	28		
493	Rel-10	B	58	58	0	0	0	9	49	0	58		
494	Rel-10	C	2	0	0	0	0	0	0	0	0		
495	Rel-10	D	1	1	0	0	0	1	0	0	1		
496	Rel-10	F	349	348	6	17	1	53	271	0	348		435
497	Rel-11	A	92	89	4	17	2	66	0	0	89		
498	Rel-11	B	32	31	0	0	1	30	0	0	31		
499	Rel-11	C	2	2	0	2	0	0	0	0	2		
500	Rel-11	D	1	1	0	0	0	1	0	0	1		
501	Rel-11	F	565	563	32	51	23	71	386	0	563		686

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	A	B	C	D	E	F	G	H	I	J	K	L	M
1	RAN #72	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN6	approved RAN	sum approved	approved RAN #71 per REL
502	Rel-12	A	1	1	0	0	0	1	0	0	1		
503	Rel-12	B	58	58	0	0	0	58	0	0	58		
504	Rel-12	F	3	3	0	0	0	3	0	0	3		62
505	sum		1259	1245	42	101	29	352	721	0	1245		1245
506													
507													
508													
509													
510													
511													
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527													
528	RAN #59	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN	sum approved		approved RAN #59 per REL
529	Rel-8	F	16	16	0	10	0	6	0	0	16		16
530	Rel-9	A	15	15	0	9	0	6	0	0	15		

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	A	B	C	D	E	F	G	H	I	J	K	L	M
1	RAN #72	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN6	approved RAN	sum approved	approved RAN #71 per REL
531	Rel-9	B	3	3	0	0	0	0	3	0	3		
532	Rel-9	C	3	3	0	3	0	0	0	0	3		
533	Rel-9	F	24	23	0	6	0	8	9	0	23		44
534	Rel-10	A	26	25	0	16	0	9	0	0	25		
535	Rel-10	B	35	33	0	0	0	0	33	0	33		
536	Rel-10	C	1	1	0	1	0	0	0	0	1		
537	Rel-10	D	2	2	0	1	0	1	0	0	2		
538	Rel-10	F	404	403	6	12	5	34	346	0	403		464
539	Rel-11	A	70	68	5	23	3	37	0	0	68		
540	Rel-11	B	23	22	0	12	2	8	0	0	22		
541	Rel-11	C	4	4	0	4	0	0	0	0	4		
542	Rel-11	D	2	2	0	1	0	1	0	0	2		
543	Rel-11	F	354	351	6	62	49	57	177	0	351		447
544	Rel-12	A	1	0	0	0	0	0	0	0	0		1
545	Rel-12	B	7	0	0	0	0	0	0	0	0		1
546	Rel-12	F	4	1	0	0	0	0	0	1	1		1
547	sum		994	972	17	160	59	167	568	1	972		974
548													
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	A	B	C	D	E	F	G	H	I	J	K	L	M
1	RAN #72	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN6	approved RAN	sum approved	approved RAN #71 per REL
562													
563													
564													
565	RAN #58	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	sum approved		approved RAN #58 per REL	
566	Rel-4	B	1	1	0	1	0	0	0	1			
567	Rel-5	B	1	1	0	1	0	0	0	1			
568	Rel-6	B	1	1	0	1	0	0	0	1		3	
569	Rel-7	F	1	1	0	1	0	0	0	1			
570	Rel-7	A	1	1	0	1	0	0	0	1		2	
571	Rel-8	A	1	1	0	1	0	0	0	1			
572	Rel-8	B	1	1	0	1	0	0	0	1			
573	Rel-8	C	1	1	0	1	0	0	0	1			
574	Rel-8	F	17	17	0	6	2	9	0	17		20	
575	Rel-9	A	16	16	0	7	2	7	0	16			
576	Rel-9	B	8	8	0	1	0	0	7	8			
577	Rel-9	F	75	68	0	11	0	20	37	68		92	
578	Rel-10	A	44	38	0	16	2	20	0	38			
579	Rel-10	B	66	66	0	2	0	11	53	66			
580	Rel-10	C	5	5	0	5	0	0	0	5			
581	Rel-10	F	523	520	7	15	4	80	414	520		629	
582	Rel-11	A	149	142	5	33	5	99	0	142			
583	Rel-11	B	199	189	10	56	42	81	0	189			
584	Rel-11	C	16	16	3	11	0	2	0	16			
585	Rel-11	D	4	4	0	1	1	2	0	4			
586	Rel-11	F	322	321	14	62	25	39	181	321		672	
587	sum		1452	1418	39	234	83	370	692	1418		1418	
588													
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	A	B	C	D	E	F	G	H	I	J	K	L	M
1	RAN #72	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN6	approved RAN	sum approved	approved RAN #71 per REL
591													
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596													
597													
598													
599	RAN #57	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	sum approved		approved RAN #57 per REL	
600	Rel-8	B	1	1	0	1	0	0	0	1			
601	Rel-8	C	1	1	0	1	0	0	0	1			
602	Rel-8	D	1	1	0	0	0	1	0	1			
603	Rel-8	F	10	10	0	1	0	9	0	10		13	
604	Rel-9	A	9	9	0	1	0	8	0	9			
605	Rel-9	B	8	8	0	1	0	0	7	8			
606	Rel-9	F	62	55	0	12	1	14	28	55		72	
607	Rel-10	A	39	33	0	12	1	20	0	33			
608	Rel-10	B	83	83	0	1	0	11	71	83			
609	Rel-10	C	2	2	0	1	0	1	0	2			
610	Rel-10	F	560	552	8	9	6	75	454	552		670	
611	Rel-11	A	115	104	1	18	3	82	0	104			
612	Rel-11	B	130	116	13	44	12	47	0	116			
613	Rel-11	C	4	2	0	1	0	1	0	2			
614	Rel-11	D	1	1	0	0	0	1	0	1			
615	Rel-11	F	98	91	6	16	10	31	28	91		314	
616	sum		1124	1069	28	119	33	301	588	1069		1069	
617													
618													
619													

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	A	B	C	D	E	F	G	H	I	J	K	L	M
1	RAN #72	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN6	approved RAN	sum approved	approved RAN #71 per REL
620													
621													
622													
623													
624													
625													
626													
627													
628													
629													
630													
631													
632													
633													
634													
635													
636	RAN #56	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	sum approved		approved RAN #56 per REL	
637	Rel-8	B	4	4	0	1	0	3	0	4			
638	Rel-8	F	35	33	0	8	0	25	0	33		37	
639	Rel-9	A	36	34	0	9	0	25	0	34			
640	Rel-9	B	69	69	0	0	0	1	68	69			
641	Rel-9	F	222	206	0	9	0	29	168	206		309	
642	Rel-10	A	79	64	0	17	0	47	0	64			
643	Rel-10	B	14	14	0	1	0	13	0	14			
644	Rel-10	C	7	5	0	2	3	0	0	5			
645	Rel-10	D	2	2	0	1	0	1	0	2			
646	Rel-10	F	563	561	8	18	11	96	428	561		646	
647	Rel-11	A	157	148	0	19	5	124	0	148			

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	A	B	C	D	E	F	G	H	I	J	K	L	M
1	RAN #72	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN6	approved RAN	sum approved	approved RAN #71 per REL
648	Rel-11	B	110	101	0	14	13	74	0	101			
649	Rel-11	C	5	5	0	4	0	1	0	5			
650	Rel-11	D	1	1	0	1	0	0	0	1			
651	Rel-11	F	105	105	6	11	16	21	51	105		360	
652	sum		1409	1352	14	115	48	460	715	1352		1352	
653													
654													
655													
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663													
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665													
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667													
668													
669													
670													
671	RAN #55	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	sum approved		approved RAN #55 per REL	
672	Rel-4	B	1	1	0	1	0	0	0	1		1	
673	Rel-5	B	1	1	0	1	0	0	0	1		1	
674	Rel-6	B	1	1	0	1	0	0	0	1		1	
675	Rel-7	B	1	1	0	1	0	0	0	1			
676	Rel-7	F	2	2	0	2	0	0	0	2		3	

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	A	B	C	D	E	F	G	H	I	J	K	L	M
1	RAN #72	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN6	approved RAN	sum approved	approved RAN #71 per REL
677	Rel-8	B	2	2	0	1	0	1	0	2			
678	Rel-8	C	1	1	0	1	0	0	0	1			
679	Rel-8	F	18	16	2	3	1	10	0	16		19	
680	Rel-9	A	16	14	2	3	1	8	0	14			
681	Rel-9	B	33	33	0	1	0	1	31	33			
682	Rel-9	C	1	1	0	1	0	0	0	1			
683	Rel-9	F	390	388	0	4	0	24	360	388		436	
684	Rel-10	A	27	25	2	6	1	16	0	25			
685	Rel-10	B	17	17	0	1	0	16	0	17			
686	Rel-10	C	4	4	0	2	0	2	0	4			
687	Rel-10	F	213	208	7	19	7	60	115	208		254	
688	Rel-11	A	23	22	4	10	2	6	0	22			
689	Rel-11	B	30	29	0	1	3	25	0	29			
690	Rel-11	C	1	1	0	0	1	0	0	1			
691	Rel-11	D	1	1	0	0	1	0	0	1			
692	Rel-11	F	44	44	4	5	2	0	33	44		97	
693	sum		827	812	21	64	19	169	539	812		812	
694													
695													
696							RAN5:	UTRA	34.123-3	18x REL-9	15x TTCN		
697								IMS	34.229-3	1x REL-9			
698								LTE	36.523-3	90x REL-9	88x TTCN		
699													
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701													
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	A	B	C	D	E	F	G	H	I	J	K	L	M
1	RAN #72	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN6	approved RAN	sum approved	approved RAN #71 per REL
707	RAN #54	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	sum approved		approved RAN #54 per REL	
708	Rel-4	F	1	1	0	1	0	0	0	1		1	
709	Rel-5	A	1	1	0	1	0	0	0	1		1	
710	Rel-6	A	1	1	0	1	0	0	0	1			
711	Rel-6	B	1	1	0	0	0	0	1	1		2	
712	Rel-7	A	1	1	0	1	0	0	0	1			
713	Rel-7	B	1	1	0	0	0	0	1	1			
714	Rel-7	F	6	5	1	4	0	0	0	5		7	
715	Rel-8	A	5	4	1	3	0	0	0	4			
716	Rel-8	B	1	1	0	0	0	0	1	1			
717	Rel-8	F	17	17	0	8	0	9	0	17		22	
718	Rel-9	A	20	19	1	10	0	8	0	19			
719	Rel-9	B	49	49	0	0	0	0	49	49			
720	Rel-9	F	448	444	1	9	8	22	404	444		512	
721	Rel-10	A	55	48	2	16	7	23	0	48			
722	Rel-10	B	35	28	0	1	0	27	0	28			
723	Rel-10	C	1	1	0	1	0	0	0	1			
724	Rel-10	D	1	1	0	0	0	1	0	1			
725	Rel-10	F	262	224	24	41	25	83	51	224		302	
726	Rel-11	A	2	2	0	2	0	0	0	2			
727	Rel-11	B	34	30	9	10	5	6	0	30			
728	Rel-11	C	4	4	0	2	2	0	0	4			
729	Rel-11	F	19	19	1	4	0	1	13	19		55	
730	sum		965	902	40	115	47	180	520	902		902	
731													
732													
733													
734													
735													

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	A	B	C	D	E	F	G	H	I	J	K	L	M
1	RAN #72	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN6	approved RAN	sum approved	approved RAN #71 per REL
736													
737													
738													
739													
740													
741													
742													
743													
744													
745	RAN #53	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	sum approved		approved RAN #53 per REL	
746	Rel-4	B	2	1	0	1	0	0	0	1			
747	Rel-4	F	1	1	0	1	0	0	0	1		2	
748	Rel-5	A	2	2	0	2	0	0	0	2		2	
749	Rel-5	B	1	0	0	0	0	0	0	0			
750	Rel-6	A	2	2	0	2	0	0	0	2		2	
751	Rel-6	B	1	0	0	0	0	0	0	0			
752	Rel-7	A	2	2	0	2	0	0	0	2			
753	Rel-7	B	1	0	0	0	0	0	0	0			
754	Rel-7	F	1	1	0	0	0	1	0	1		3	
755	Rel-8	A	3	3	0	2	0	1	0	3			
756	Rel-8	B	3	1	0	0	0	1	0	1			
757	Rel-8	C	1	1	0	1	0	0	0	1			
758	Rel-8	F	35	35	2	8	1	24	0	35		40	
759	Rel-9	A	34	33	2	9	1	21	0	33			
760	Rel-9	B	94	93	0	0	0	0	93	93			
761	Rel-9	F	520	518	1	18	3	21	475	518		644	
762	Rel-10	A	70	69	3	22	4	40	0	69			
763	Rel-10	B	72	44	0	3	0	41	0	44			
764	Rel-10	C	2	2	0	2	0	0	0	2			

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	A	B	C	D	E	F	G	H	I	J	K	L	M
1	RAN #72	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN6	approved RAN	sum approved	approved RAN #71 per REL
765	Rel-10	F	200	198	34	55	52	46	10	197		312	
766	Rel-11	A	1	1	0	1	0	0	0	1			
767	Rel-11	B	1	1	0	1	0	0	0	1			
768	Rel-11	F	6	6	0	4	0	2	0	6		8	
769	sum		1055	1014	42	134	61	198	578	1013		1013	
770													
771													
772													
773													
774													
775													
776													
777													
778													
779													
780													
781	RAN #52	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	sum		approved RAN #52 per REL	
782	Rel-4	B	2	1	0	1	0	0	0	1		1	
783	Rel-5	B	2	1	0	1	0	0	0	1		1	
784	Rel-6	B	2	1	0	1	0	0	0	1		1	
785	Rel-7	B	2	1	0	1	0	0	0	1		4	
786	Rel-7	F	3	3	0	3	0	0	0	3			
787	Rel-8	A	4	4	0	3	0	1	0	4		62	
788	Rel-8	B	4	3	0	2	0	1	0	3			
789	Rel-8	F	55	55	0	22	8	19	6	55			
790	Rel-9	A	42	42	0	17	8	17	0	42		559	
791	Rel-9	B	49	48	0	3	0	3	42	48			
792	Rel-9	C	2	0	0	0	0	0	0	0			
793	Rel-9	F	519	469	1	20	4	29	415	469			

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	A	B	C	D	E	F	G	H	I	J	K	L	M
1	RAN #72	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN6	approved RAN	sum approved	approved RAN #71 per REL
794	Rel-10	A	93	88	1	33	10	44	0	88		501	
795	Rel-10	B	111	88	4	8	15	61	0	88			
796	Rel-10	C	7	6	0	6	0	0	0	6			
797	Rel-10	D	9	9	1	5	2	1	0	9			
798	Rel-10	F	322	310	63	99	109	35	2	308			
799	Rel-11	B	1	1	0	1	0	0	0	1		1	
800	sum		1229	1130	70	226	156	211	465	1128		1130	
801													
802													
803													
804													
805													
806													
807													
808													
809													
810													
811													
812													
813													
814													
815													
816													
817	RAN #51	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	sum		approved RAN #51 per REL	
818	Rel-7	F		9		5		4		9		9	
819	Rel-8	A		8		5		3		8			
820	Rel-8	B		57		1			56	57			
821	Rel-8	C								0			

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	A	B	C	D	E	F	G	H	I	J	K	L	M
1	RAN #72	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN6	approved RAN	sum approved	approved RAN #71 per REL
822	Rel-8	D								0			
823	Rel-8	F		108		15		26	67	108		173	
824	Rel-9	A		46		18		28		46			
825	Rel-9	B		5		1		4		5			
826	Rel-9	C								0			
827	Rel-9	D		1		1				1			
828	Rel-9	F		499	2	26	11	27	433	499		551	
829	Rel-10	A		109	2	43	11	53		109			
830	Rel-10	B		75	1	35	22	17		75			
831	Rel-10	C		9	2	5	1	1		9			
832	Rel-10	D		5		4	1			5			
833	Rel-10	F		168	7	89	45	27		168		366	
834	sum		1185	1099	14	248	91	190	556	1099			
835													
836													
837													
838													
839													
840													
841													
842													
843													
844													
845													
846													

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	A	B	C	D	E	F	G	H	I	J	K	L	M
1	RAN #72	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN6	approved RAN	sum approved	approved RAN #71 per REL
847	RAN #50	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	sum		approved RAN #50 per REL	
848	Rel-7	F	9	9	5	3	0	1	0	9			
849	Rel-8	A	10	9	5	3	0	1	0	9			
850	Rel-8	B	97	95	0	0	0	4	91	95			
851	Rel-8	C	0	0	0	0	0	0	0	0			
852	Rel-8	D	0	0	0	0	0	0	0	0			
853	Rel-8	F	153	153	1	21	6	50	75	153			
854	Rel-9	A	88	86	6	24	5	51	0	86			
855	Rel-9	B	4	3	0	0	0	3	0	3			
856	Rel-9	C	0	0	0	0	0	0	0	0			
857	Rel-9	D	0	0	0	0	0	0	0	0			
858	Rel-9	F	435	434	4	25	17	43	345	434			
859	Rel-10	A	99	96	5	27	8	56	0	96			
860	Rel-10	B	173	129	12	44	30	43		129			
861	Rel-10	C	7	6	0	3	3	0	0	6			
862	Rel-10	D	1	1	0	0	0	1	0	1			
863	Rel-10	F	50	41	4	27	7	3	0	41			
864	sum		1126	1062	42	177	76	256	511	1062			
865													
866													
867													
868													
869													
870													
871													

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	A	B	C	D	E	F	G	H	I	J	K	L	M
1	RAN #72	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN6	approved RAN	sum approved	approved RAN #71 per REL
872	RAN #49	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	sum		approved RAN #49 per REL	
873	Rel-7	F	18	18	4	10	0	4	0	18		18	
874	Rel-8	A	17	17	4	10	0	3	0	17			
875	Rel-8	B	125	125	0	0	0	2	123	125			
876	Rel-8	C	1	1	0	1	0	0	0	1			
877	Rel-8	D	1	1	0	1	0	0	0	1			
878	Rel-8	F	118	116	2	15	10	31	58	116		260	
879	Rel-9	A	75	75	6	25	9	35	0	75			
880	Rel-9	B	5	5	0	0	0	4	1	5			
881	Rel-9	C	5	5	0	4	0	1	0	5			
882	Rel-9	D	3	3	0	2	0	1	0	3			
883	Rel-9	F	613	567	6	44	27	56	434	567		655	
884	Rel-10	A	28	27	0	26	0	1	0	27			
885	Rel-10	B	41	33	4	13	7	9	0	33			
886	Rel-10	C	2	2	0	2	0	0	0	2			
887	Rel-10	D	2	2	0	2	0	0	0	2			
888	Rel-10	F	2	2	0	2	0	0	0	2		66	
889	sum		1056	999	26	157	53	147	616	999		999	
890													
891													
892													
893													
894													
895													
896													
897													
898													

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	A	B	C	D	E	F	G	H	I	J	K	L	M
1	RAN #72	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN6	approved RAN	sum approved	approved RAN #71 per REL
899	RAN #48	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	sum		approved RAN #48 per REL	
900	Rel-7	F	13	12	1	7	0	4	0	12		12	
901	Rel-8	A	13	12	1	7	0	4	0	12			
902	Rel-8	B	56	56	0	0	0	0	56	56			
903	Rel-8	C	1	1	0	1	0	0	0	1			
904	Rel-8	F	118	118	4	32	13	34	35	118		187	
905	Rel-9	A	90	89	5	39	8	37	0	89			
906	Rel-9	B	12	11	0	2	2	7	0	11			
907	Rel-9	C	1	1	0	0	1	0	0	1			
908	Rel-9	D	2	2	0	1	0	1	0	2			
909	Rel-9	F	565	562	6	54	45	42	415	562		665	
910	Rel-10	A	3	3	0	3	0	0	0	3			
911	Rel-10	B	14	14	0	4	0	10	0	14			
912	Rel-10	F	1	1	0	1	0	0	0	1		18	
913	sum		889	882	17	151	69	139	506	882		882	
914													
915													
916													
917													
918													
919													
920													
921													
922													
923													
924													
925	RAN #47	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	sum		approved RAN #47 per REL	

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	A	B	C	D	E	F	G	H	I	J	K	L	M
1	RAN #72	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN6	approved RAN	sum approved	approved RAN #71 per REL
926	Rel-4	B	1	1	0	1	0	0	0	1		1	
927	Rel-5	B	1	1	0	1	0	0	0	1		1	
928	Rel-6	B	1	1	0	1	0	0	0	1			
929	Rel-6	C	1	1	0	1	0	0	0	1		2	
930	Rel-7	A	0	0	0	0	0	0	0	0			
931	Rel-7	B	1	1	0	1	0	0	0	1			
932	Rel-7	C	0	0	0	0	0	0	0	0			
933	Rel-7	D	0	0	0	0	0	0	0	0			
934	Rel-7	F	22	22	1	5	2	14	0	22		23	
935	Rel-8	A	21	21	1	4	2	14	0	21			
936	Rel-8	B	76	76	0	1	0	1	74	76			
937	Rel-8	C	2	2	0	2	0	0	0	2			
938	Rel-8	D	2	2	0	2	0	0	0	2			
939	Rel-8	F	850	655	9	45	45	51	505	655		756	
940	Rel-9	A	162	159	9	52	38	60	0	159			
941	Rel-9	B	65	65	0	24	7	34	0	65			
942	Rel-9	C	16	13	0	8	5	0	0	13			
943	Rel-9	D	3	3	0	2	1	0	0	3			
944	Rel-9	F	283	274	20	123	89	42	0	274		514	
945	Rel-10	A	0	0	0	0	0	0	0	0			
946	Rel-10	B	2	2	0	2	0	0	0	2			
947	Rel-10	C	0	0	0	0	0	0	0	0			
948	Rel-10	D	0	0	0	0	0	0	0	0			
949	Rel-10	F	0	0	0	0	0	0	0	0		2	
950	sum		1509	1299	40	275	189	216	579	1299		1299	
951													
952													
953													
954													
955													

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	A	B	C	D	E	F	G	H	I	J	K	L	M
1	RAN #72	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN6	approved RAN	sum approved	approved RAN #71 per REL
956	RAN #46	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	sum		approved RAN #46 per REL	
957	Rel-4	B	1	1	0	1	0	0	0	1		1	
958	Rel-5	B	1	1	0	1	0	0	0	1		1	
959	Rel-6	B	1	1	0	1	0	0	0	1			
960	Rel-6	F	2	2	0	2	0	0	0	2		3	
961	Rel-7	A	2	2	0	2	0	0	0	2			
962	Rel-7	B	1	1	0	1	0	0	0	1			
963	Rel-7	C	2	1	0	1	0	0	0	1			
964	Rel-7	D	1	1	0	1	0	0	0	1			
965	Rel-7	F	26	25	4	13	2	6	0	25		30	
966	Rel-8	A	30	27	3	17	2	5	0	27			
967	Rel-8	B	58	57	0	1	1	0	55	57			
968	Rel-8	C	4	2	0	2	0	0	0	2			
969	Rel-8	D	1	1	0	1	0	0	0	1			
970	Rel-8	F	727	724	14	64	45	121	480	724		811	
971	Rel-9	A	213	203	5	70	31	97	0	203			
972	Rel-9	B	176	175	18	46	44	67	0	175			
973	Rel-9	C	11	10	1	9	0	0	0	10			
974	Rel-9	D	5	5	3	2	0	0	0	5			
975	Rel-9	F	83	83	6	50	9	18	0	83		476	
976	sum		1345	1322	54	285	134	314	535	1322		1322	
977													
978													
979													
980													
981													
982													
983	RAN #45	Cat		Approved CRs									

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	A	B	C	D	E	F	G	H	I	J	K	L	M
1	RAN #72	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN6	approved RAN	sum approved	approved RAN #71 per REL
984	Rel-4	B		1									
985	Rel-5	B		1									
986	Rel-6	B		1									
987	Rel-6	F		4									
988	Rel-7	A		4									
989	Rel-7	B		1									
990	Rel-7	C		2									
991	Rel-7	F		34									
992	Rel-8	A		32									
993	Rel-8	B		28									
994	Rel-8	C		2									
995	Rel-8	F		746									
996	Rel-9	A		100									
997	Rel-9	B		59									
998	Rel-9	C		1									
999	Rel-9	D		1									
1000	Rel-9	F		11									
1001				1028									
1002													
1003													
1004													
1005													
1006													
1007													
1008	RAN #44	Cat		Approved CRs									
1009	Rel-5	F		3									
1010	Rel-6	A		3									
1011	Rel-6	F		3									
1012	Rel-7	A		2									
1013	Rel-7	F		46									

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	A	B	C	D	E	F	G	H	I	J	K	L	M
1	RAN #72	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN6	approved RAN	sum approved	approved RAN #71 per REL
1014	Rel-8			45									
1015	Rel-8	A		43									
1016	Rel-8	B		2									
1017	Rel-8	C		2									
1018	Rel-8	F		652									
1019	Rel-9	B		25									
1020	Rel-9	C		1									
1021	Rel-9	F		2									
1022				829									
1023													
1024													
1025	RAN #43	Cat		Approved CRs									
1026	Rel-4	B		1									
1027	Rel-4	F		2									
1028	Rel-5	A		1									
1029	Rel-5	B		1									
1030	Rel-5	D		1									
1031	Rel-5	F		1									
1032	Rel-6	A		2									
1033	Rel-6	B		1									
1034	Rel-6	D		1									
1035	Rel-6	F		8									
1036	Rel-7	A		7									
1037	Rel-7	B		1									
1038	Rel-7	D		2									
1039	Rel-7	F		48									
1040	Rel-8	A		54									
1041	Rel-8	B		32									
1042	Rel-8	C		1									
1043	Rel-8	D		4									

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	A	B	C	D	E	F	G	H	I	J	K	L	M
1	RAN #72	Cat	all CRs	Approved CRs	approved RAN1	approved RAN2	approved RAN3	approved RAN4	approved RAN5	approved RAN6	approved RAN	sum approved	approved RAN #71 per REL
1044	Rel-8	F		1040									
1045	Rel-9	F		1									
1046				1209									
1047													

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	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1						RAN #72							
2						total approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN6	RAN
3						REL-8	0	0	0	1	0	0	1
4						REL-9	0	0	0	1	0	0	1
5						REL-10	0	1	0	2	0	0	3
6						REL-11	0	4	0	6	17	0	27
7						REL-12	5	17	3	38	335	0	398
8						REL-13	117	177	30	279	358	0	961
9						REL-14	0	0	4	41	0	0	45
10							122	199	37	368	710	0	1436
11													
12						cat.A approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN6	RAN
13						REL-8	0	0	0	0	0	0	0
14						REL-9	0	0	0	0	0	0	0
15						REL-10	0	0	0	0	0	0	0
16						REL-11	0	1	0	1	0	0	2
17						REL-12	0	4	0	2	0	0	6
18						REL-13	5	11	2	26	0	0	44
19						REL-14	0	0	0	0	0	0	0
20							5	16	2	29	0	0	52
21													
22						total excl. cat.A	RAN1	RAN2	RAN3	RAN4	RAN5	RAN6	RAN withou
23						REL-8	0	0	0	1	0	0	1
24						REL-9	0	0	0	1	0	0	1
25						REL-10	0	1	0	2	0	0	3
26						REL-11	0	3	0	5	17	0	8
27						REL-12	5	13	3	36	335	0	57
28						REL-13	112	166	28	253	358	0	559
29						REL-14	0	0	4	41	0	0	45
30							117	183	35	339	710	0	674
31													

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	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1						RAN #72							
32													
33													
34													
35													
36													
37													
38													
39													
40													
41													
42													
43													
44													
45													
46						RAN #71							
47						total approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
48						REL-8	0	0	0	2	0	2	
49						REL-9	0	0	0	3	0	3	
50						REL-10	0	0	0	6	0	6	
51						REL-11	1	2	0	17	23	43	
52						REL-12	2	19	2	47	484	554	
53						REL-13	69	129	39	135	191	563	
54							72	150	41	210	698	1171	
55													
56													
57						cat.A approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
58						REL-8	0	0	0	0	0	0	
59						REL-9	0	0	0	2	0	2	
60						REL-10	0	0	0	0	0	0	

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	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1						RAN #72							
61						REL-11	0	0	0	2	0	2	
62						REL-12	1	2	0	11	0	14	
63						REL-13	2	16	2	33	0	53	
64							3	18	2	48	0	71	
65													
66													
67						total excl. cat.A	RAN1	RAN2	RAN3	RAN4	RAN5	RAN without RAN5	
68						REL-8	0	0	0	2	0	2	REL-8
69						REL-9	0	0	0	1	0	1	REL-9
70						REL-10	0	0	0	6	0	6	REL-10
71						REL-11	1	2	0	15	23	18	REL-11
72						REL-12	1	17	2	36	484	56	REL-12
73						REL-13	67	113	37	102	191	319	REL-13
74							69	132	39	162	698	402	
75													
76													
77													
78													
79													
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	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1						RAN #72							
91						RAN #70							
92						total approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
93						REL-8	0	0	0	1	0	1	
94						REL-9	0	0	0	5	0	5	
95						REL-10	0	6	0	21	7	34	
96						REL-11	0	10	0	65	43	118	
97						REL-12	8	44	2	127	642	823	
98						REL-13	27	118	65	249	17	476	
99							35	178	67	468	709	1457	
100													
101													
102						cat.A approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
103						REL-8	0	0	0	0	0	0	
104						REL-9	0	0	0	0	0	0	
105						REL-10	0	0	0	2	0	2	
106						REL-11	0	6	0	10	0	16	
107						REL-12	0	10	0	45	0	55	
108						REL-13	0	7	1	87	0	95	
109							0	23	1	144	0	168	
110													
111													
112						total excl. cat.A	RAN1	RAN2	RAN3	RAN4	RAN5	RAN without RAN5	
113						REL-8	0	0	0	1	0	1	REL-8
114						REL-9	0	0	0	5	0	5	REL-9
115						REL-10	0	6	0	19	7	25	REL-10

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	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1						RAN #72							
116						REL-11	0	4	0	55	43	59	REL-11
117						REL-12	8	34	2	82	642	126	REL-12
118						REL-13	27	111	64	162	17	364	REL-13
119							35	155	66	324	709	580	
120													
121													
122													
123													
124													
125													
126													
127													
128													
129													
130													
131													
132													
133													
134						RAN #69							
135						total approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
136						REL-8	0	0	0	0	0	0	
137						REL-9	0	0	0	0	0	0	
138						REL-10	1	5	0	12	0	18	
139						REL-11	1	9	0	26	14	50	
140						REL-12	6	38	2	93	676	815	

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	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1						RAN #72							
141						REL-13	2	4	7	98	1	112	
142							10	56	9	229	691	995	
143													
144													
145						cat.A approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
146						REL-8	0	0	0	0	0	0	
147						REL-9	0	0	0	0	0	0	
148						REL-10	0	0	0	0	0	0	
149						REL-11	1	6	0	8	0	15	
150						REL-12	1	6	0	18	0	25	
151						REL-13	0	1	2	58	0	61	
152							2	13	2	84	0	101	
153													
154													
155						total excl. cat.A	RAN1	RAN2	RAN3	RAN4	RAN5	RAN without RAN5	
156						REL-8	0	0	0	0	0	0	REL-8
157						REL-9	0	0	0	0	0	0	REL-9
158						REL-10	1	5	0	12	0	18	REL-10
159						REL-11	0	3	0	18	14	21	REL-11
160						REL-12	5	32	2	75	676	114	REL-12
161						REL-13	2	3	5	40	1	50	REL-13
162							8	43	7	145	691	203	
163													
164													
165													
166													
167													

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	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1						RAN #72							
168													
169													
170													
171													
172						RAN #68							
173						total approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
174						REL-8	0	0	0	0	1	1	
175						REL-9	0	0	0	0	1	1	
176						REL-10	1	5	0	15	33	54	
177						REL-11	2	7	0	44	73	126	
178						REL-12	18	72	12	226	623	951	
179						REL-13	0	4	4	32	0	40	
180							21	88	16	317	731	1173	
181													
182													
183						cat.A approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
184						REL-8	0	0	0	0	0	0	
185						REL-9	0	0	0	0	0	0	
186						REL-10	0	0	0	0	0	0	
187						REL-11	1	5	0	9	0	15	
188						REL-12	2	7	0	28	0	37	
189						REL-13	0	0	0	0	0	0	
190							3	12	0	37	0	52	
191													
192													

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	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1						RAN #72							
193						total excl. cat.A	RAN1	RAN2	RAN3	RAN4	RAN5	RAN without RAN5	
194						REL-8	0	0	0	0	1	0	REL-8
195						REL-9	0	0	0	0	1	0	REL-9
196						REL-10	1	5	0	15	33	21	REL-10
197						REL-11	1	2	0	35	73	38	REL-11
198						REL-12	16	65	12	198	623	291	REL-12
199						REL-13	0	4	4	32	0	40	REL-13
200							18	76	16	280	731	390	
201													
202													
203													
204													
205													
206													
207													
208													
209													
210													
211													
212													
213						RAN #67							
214						total approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
215						REL-8	0	0	0	0	0	0	
216						REL-9	0	0	0	1	0	1	
217						REL-10	0	5	0	14	34	53	
218						REL-11	2	11	3	29	83	128	

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	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1						RAN #72							
219						REL-12	18	55	33	105	515	726	
220						REL-13	0	0	0	1	0	1	
221							20	71	36	150	632	909	
222													
223													
224						cat.A approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
225						REL-8	0	0	0	0	0	0	
226						REL-9	0	0	0	0	0	0	
227						REL-10	0	0	0	1	0	1	
228						REL-11	0	4	0	11	0	15	
229						REL-12	2	6	2	15	0	25	
230						REL-13	0	0	0	0	0	0	
231							2	10	2	27	0	41	
232													
233													
234						total excl. cat.A	RAN1	RAN2	RAN3	RAN4	RAN5	RAN without RAN5	
235						REL-8	0	0	0	0	0	0	REL-8
236						REL-9	0	0	0	1	0	1	REL-9
237						REL-10	0	5	0	13	34	18	REL-10
238						REL-11	2	7	3	18	83	30	REL-11
239						REL-12	16	49	31	90	515	186	REL-12
240						REL-13	0	0	0	1	0	1	REL-13
241							18	61	34	123	632	236	
242													
243													
244													
245													

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	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1						RAN #72							
246													
247													
248													
249						RAN #66							
250						total approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
251						REL-8	0	0	0	3	0	3	
252						REL-9	0	0	0	6	0	6	
253						REL-10	0	4	0	33	45	82	
254						REL-11	3	11	1	70	326	411	
255						REL-12	20	121	58	184	385	768	
256						REL-13	0	0	0	4	0	4	
257							23	136	59	300	756	1274	
258													
259													
260						cat.A approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
261						REL-8	0	0	0	0	0	0	
262						REL-9	0	0	0	2	0	2	
263						REL-10	0	0	0	2	0	2	
264						REL-11	0	4	0	17	0	21	
265						REL-12	2	10	1	50	0	63	
266						REL-13	0	0	0	0	0	0	
267							2	14	1	71	0	88	
268													
269													
270						total excl. cat.A	RAN1	RAN2	RAN3	RAN4	RAN5	RAN without RAN5	

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	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1						RAN #72							
271						REL-8	0	0	0	3	0	3	REL-8
272						REL-9	0	0	0	4	0	4	REL-9
273						REL-10	0	4	0	31	45	35	REL-10
274						REL-11	3	7	1	53	326	64	REL-11
275						REL-12	18	111	57	134	385	320	REL-12
276						REL-13	0	0	0	4	0	4	REL-13
277							21	122	58	229	756	430	
278													
279													
280													
281													
282						RAN #65							
283						total approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
284						REL-4	0	0	0	0	0	0	
285						REL-5	0	0	0	0	0	0	
286						REL-6	0	0	0	0	0	0	
287						REL-7	0	0	0	0	0	0	
288						REL-8	0	0	0	5	0	5	
289						REL-9	0	1	1	6	0	8	
290						REL-10	0	4	1	33	37	75	
291						REL-11	4	21	1	59	316	401	
292						REL-12	27	90	21	141	337	616	
293							31	116	24	244	690	1105	
294													
295													
296						cat.A approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	

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	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1						RAN #72							
297						REL-4	0	0	0	0	0	0	
298						REL-5	0	0	0	0	0	0	
299						REL-6	0	0	0	0	0	0	
300						REL-7	0	0	0	0	0	0	
301						REL-8	0	0	0	0	0	0	
302						REL-9	0	0	0	1	0	1	
303						REL-10	0	1	1	2	0	4	
304						REL-11	0	4	1	11	0	16	
305						REL-12	2	19	1	28	0	50	
306							2	24	3	42	0	71	
307													
308						total excl. cat.A	RAN1	RAN2	RAN3	RAN4	RAN5	RAN without RAN5	
309						REL-4	0	0	0	0	0	0	REL-4
310						REL-5	0	0	0	0	0	0	REL-5
311						REL-6	0	0	0	0	0	0	REL-6
312						REL-7	0	0	0	0	0	0	REL-7
313						REL-8	0	0	0	5	0	5	REL-8
314						REL-9	0	1	1	5	0	7	REL-9
315						REL-10	0	3	0	31	37	34	REL-10
316						REL-11	4	17	0	48	316	69	REL-11
317						REL-12	25	71	20	113	337	229	REL-12
318							29	92	21	202	690	344	
319													
320													
321													
322													
323													
324													
325													

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	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1						RAN #72							
326						RAN #64							
327						total approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
328						REL-4	0	0	0	0	0	0	
329						REL-5	0	0	0	0	0	0	
330						REL-6	0	0	0	0	0	0	
331						REL-7	0	1	0	0	0	1	
332						REL-8	0	2	0	2	0	4	
333						REL-9	0	9	1	5	0	15	
334						REL-10	0	14	2	43	62	121	
335						REL-11	7	29	5	100	333	474	
336						REL-12	12	72	32	196	456	768	
337							19	127	40	346	851	1383	
338													
339													
340						cat.A approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
341						REL-4	0	0	0	0	0	0	
342						REL-5	0	0	0	0	0	0	
343						REL-6	0	0	0	0	0	0	
344						REL-7	0	0	0	0	0	0	
345						REL-8	0	1	0	0	0	1	
346						REL-9	0	1	0	0	0	1	
347						REL-10	0	7	1	1	0	9	
348						REL-11	0	11	2	19	0	32	
349						REL-12	1	23	5	79	0	108	
350							1	43	8	99	0	151	
351													
352						total excl. cat.A	RAN1	RAN2	RAN3	RAN4	RAN5	RAN without RAN5	
353						REL-4	0	0	0	0	0	0	REL-4
354						REL-5	0	0	0	0	0	0	REL-5

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	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1						RAN #72							
355						REL-6	0	0	0	0	0	0	REL-6
356						REL-7	0	1	0	0	0	1	REL-7
357						REL-8	0	1	0	2	0	3	REL-8
358						REL-9	0	8	1	5	0	14	REL-9
359						REL-10	0	7	1	42	62	50	REL-10
360						REL-11	7	18	3	81	333	109	REL-11
361						REL-12	11	49	27	117	456	204	REL-12
362							18	84	32	247	851	381	
363													
364													
365													
366						RAN #63							
367						total approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
368						REL-4	0	1	0	0	0	1	
369						REL-5	0	1	0	0	0	1	
370						REL-6	0	1	0	0	0	1	
371						REL-7	1	1	0	0	0	2	
372						REL-8	1	1	0	2	0	4	
373						REL-9	1	2	0	5	0	8	
374						REL-10	3	5	0	26	54	88	
375						REL-11	6	21	2	66	271	366	
376						REL-12	8	35	12	84	315	454	
377							20	68	14	183	640	925	
378													
379													
380						cat.A approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
381						REL-4	0	0	0	0	0	0	
382						REL-5	0	0	0	0	0	0	
383						REL-6	0	0	0	0	0	0	

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	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1						RAN #72							
384						REL-7	0	1	0	0	0	1	
385						REL-8	1	1	0	0	0	2	
386						REL-9	1	1	0	0	0	2	
387						REL-10	1	2	0	2	0	5	
388						REL-11	3	4	0	17	0	24	
389						REL-12	4	13	2	48	0	67	
390							10	22	2	67	0	101	
391													
392						total excl. cat.A	RAN1	RAN2	RAN3	RAN4	RAN5	RAN without RAN5	
393						REL-4	0	1	0	0	0	1	
394						REL-5	0	1	0	0	0	1	
395						REL-6	0	1	0	0	0	1	
396						REL-7	1	0	0	0	0	1	
397						REL-8	0	0	0	2	0	2	
398						REL-9	0	1	0	5	0	6	
399						REL-10	2	3	0	24	54	29	
400						REL-11	3	17	2	49	271	71	
401						REL-12	4	22	10	36	315	72	
402							10	46	12	116	640	184	
403													
404													
405													
406						RAN #62							
407						total approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
408						REL-4	0	1	0	0	0	1	
409						REL-5	0	1	0	0	0	1	
410						REL-6	0	1	0	0	0	1	
411						REL-7	0	2	3	0	0	5	
412						REL-8	0	2	3	6	0	11	

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	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1						RAN #72							
413						REL-9	0	7	3	13	1	24	
414						REL-10	1	24	5	44	91	165	
415						REL-11	6	58	14	139	522	739	
416						REL-12	13	26	31	196	76	342	
417							20	122	59	398	690	1289	
418													
419													
420						cat.A approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
421						REL-4	0	0	0	0	0	0	
422						REL-5	0	1	0	0	0	1	
423						REL-6	0	1	0	0	0	1	
424						REL-7	0	1	0	0	0	1	
425						REL-8	0	2	3	0	0	5	
426						REL-9	0	2	3	3	0	8	
427						REL-10	0	5	3	9	0	17	
428						REL-11	1	19	5	30	0	55	
429						REL-12	0	0	0	114	0	114	
430							1	31	14	156	0	202	
431													
432						total excl. cat.A	RAN1	RAN2	RAN3	RAN4	RAN5	RAN without RAN5	
433						REL-4	0	1	0	0	0	1	
434						REL-5	0	0	0	0	0	0	
435						REL-6	0	0	0	0	0	0	
436						REL-7	0	1	3	0	0	4	
437						REL-8	0	0	0	6	0	6	
438						REL-9	0	5	0	10	1	15	
439						REL-10	1	19	2	35	91	57	
440						REL-11	5	39	9	109	522	162	
441						REL-12	13	26	31	82	76	152	
442							19	91	45	242	690	397	
443													

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	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1						RAN #72							
444													
445													
446						RAN #61							
447						total approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
448						REL-4	0	0	0	0	0	0	
449						REL-5	0	0	0	0	0	0	
450						REL-6	0	0	0	0	0	0	
451						REL-7	0	0	0	0	0	0	
452						REL-8	0	0	0	3	0	3	
453						REL-9	0	4	0	8	11	23	
454						REL-10	0	10	1	38	115	164	
455						REL-11	13	33	16	96	395	553	
456						REL-12	0	0	0	137	0	137	
457							13	47	17	282	521	880	
458													
459													
460						cat.A approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
461						REL-4	0	0	0	0	0	0	
462						REL-5	0	0	0	0	0	0	
463						REL-6	0	0	0	0	0	0	
464						REL-7	0	0	0	0	0	0	
465						REL-8	0	0	0	0	0	0	
466						REL-9	0	0	0	2	0	2	
467						REL-10	0	2	0	8	0	10	
468						REL-11	0	10	1	27	0	38	
469						REL-12	0	0	0	80	0	80	
470							0	12	1	117	0	130	
471													
472						total excl. cat.A	RAN1	RAN2	RAN3	RAN4	RAN5	RAN without RAN5	

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	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1						RAN #72							
473						REL-4	0	0	0	0	0	0	
474						REL-5	0	0	0	0	0	0	
475						REL-6	0	0	0	0	0	0	
476						REL-7	0	0	0	0	0	0	
477						REL-8	0	0	0	3	0	3	
478						REL-9	0	4	0	6	11	10	
479						REL-10	0	8	1	30	115	39	
480						REL-11	13	23	15	69	395	120	
481						REL-12	0	0	0	57	0	57	
482							13	35	16	165	521	229	
483													
484													
485													
486						RAN #60							
487						total approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
488						REL-4	0	0	0	0	0	0	
489						REL-5	0	0	0	0	0	0	
490						REL-6	0	0	0	0	0	0	
491						REL-7	0	0	0	0	0	0	
492						REL-8	0	4	0	7	0	11	
493						REL-9	0	6	1	29	15	51	
494						REL-10	6	21	2	86	320	435	
495						REL-11	36	70	26	168	386	686	
496						REL-12	0	0	0	62	0	62	
497							42	101	29	352	721	1245	
498													
499													
500						cat.A approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
501						REL-4	0	0	0	0	0	0	

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	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1						RAN #72							
502						REL-5	0	0	0	0	0	0	
503						REL-6	0	0	0	0	0	0	
504						REL-7	0	0	0	0	0	0	
505						REL-8	0	0	0	0	0	0	
506						REL-9	0	3	0	4	0	7	
507						REL-10	0	4	1	23	0	28	
508						REL-11	4	17	2	66	0	89	
509						REL-12	0	0	0	1	0	1	
510							4	24	3	94	0	125	
511													
512						total excl. cat.A	RAN1	RAN2	RAN3	RAN4	RAN5	RAN without RAN5	
513						REL-4	0	0	0	0	0	0	
514						REL-5	0	0	0	0	0	0	
515						REL-6	0	0	0	0	0	0	
516						REL-7	0	0	0	0	0	0	
517						REL-8	0	4	0	7	0	11	
518						REL-9	0	3	1	25	15	29	
519						REL-10	6	17	1	63	320	87	
520						REL-11	32	53	24	102	386	211	
521						REL-12	0	0	0	61	0	61	
522							38	77	26	258	721	399	
523													
524													
525													
526													
527													
528						RAN #59							
529						total approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
530						REL-4	0	0	0	0	0	0	

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	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1						RAN #72							
531						REL-5	0	0	0	0	0	0	
532						REL-6	0	0	0	0	0	0	
533						REL-7	0	0	0	0	0	0	
534						REL-8	0	10	0	6	0	16	
535						REL-9	0	18	0	14	12	44	
536						REL-10	6	30	5	44	379	464	
537						REL-11	11	102	54	103	177	447	
538						REL-12	0	0	0	0	0	1	
539							17	160	59	167	568	972	
540													
541													
542						cat.A approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
543						REL-4	0	0	0	0	0	0	
544						REL-5	0	0	0	0	0	0	
545						REL-6	0	0	0	0	0	0	
546						REL-7	0	0	0	0	0	0	
547						REL-8	0	0	0	0	0	0	
548						REL-9	0	9	0	6	0	15	
549						REL-10	0	16	0	9	0	25	
550						REL-11	5	23	3	37	0	68	
551						REL-12	0	0	0	0	0	0	
552							5	48	3	52	0	108	
553													
554						total excl. cat.A	RAN1	RAN2	RAN3	RAN4	RAN5	RAN without RAN5	
555						REL-4	0	0	0	0	0	0	
556						REL-5	0	0	0	0	0	0	
557						REL-6	0	0	0	0	0	0	
558						REL-7	0	0	0	0	0	0	
559						REL-8	0	10	0	6	0	16	
560						REL-9	0	9	0	8	12	17	
561						REL-10	6	14	5	35	379	60	

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	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1						RAN #72							
562						REL-11	6	79	51	66	177	202	
563						REL-12	0	0	0	0	0	1	
564							12	112	56	115	568	296	
565						RAN #58							
566						total approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
567						REL-4	0	1	0	0	0	1	
568						REL-5	0	1	0	0	0	1	
569						REL-6	0	1	0	0	0	1	
570						REL-7	0	2	0	0	0	2	
571						REL-8	0	9	2	9	0	20	
572						REL-9	0	19	2	27	44	92	
573						REL-10	7	38	6	111	467	629	
574						REL-11	32	163	73	223	181	672	
575							39	234	83	370	692	1418	
576													
577						cat.A approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
578						REL-4	0	0	0	0	0	0	
579						REL-5	0	0	0	0	0	0	
580						REL-6	0	0	0	0	0	0	
581						REL-7	0	0	0	0	0	0	
582						REL-8	0	1	0	0	0	1	
583						REL-9	0	7	2	7	0	16	
584						REL-10	0	16	2	20	0	38	
585						REL-11	5	33	5	99	0	142	
586							5	57	9	126	0	197	
587													
588						total excl. cat.A	RAN1	RAN2	RAN3	RAN4	RAN5	RAN without RAN5	
589						REL-4	0	1	0	0	0	1	
590						REL-5	0	1	0	0	0	1	

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	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1						RAN #72							
591						REL-6	0	1	0	0	0	1	
592						REL-7	0	2	0	0	0	2	
593						REL-8	0	8	2	9	0	19	
594						REL-9	0	12	0	20	44	32	
595						REL-10	7	22	4	91	467	124	
596						REL-11	27	130	68	124	181	349	
597							34	177	74	244	692	529	
598													
599						RAN #57							
600						total approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
601						REL-4	0	0	0	0	0	0	
602						REL-5	0	0	0	0	0	0	
603						REL-6	0	0	0	0	0	0	
604						REL-7	0	0	0	0	0	0	
605						REL-8	0	3	0	10	0	13	
606						REL-9	0	14	1	22	35	72	
607						REL-10	8	23	7	107	525	670	
608						REL-11	20	79	25	162	28	314	
609							28	119	33	301	588	1069	
610													
611						cat.A approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
612						REL-4	0	0	0	0	0	0	
613						REL-5	0	0	0	0	0	0	
614						REL-6	0	0	0	0	0	0	
615						REL-7	0	0	0	0	0	0	
616						REL-8	0	0	0	0	0	0	
617						REL-9	0	1	0	8	0	9	
618						REL-10	0	12	1	20	0	33	
619						REL-11	1	18	3	82	0	104	

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	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1						RAN #72							
620							1	31	4	110	0	146	
621													
622						total excl. cat.A	RAN1	RAN2	RAN3	RAN4	RAN5	RAN without RAN5	
623						REL-4	0	0	0	0	0	0	
624						REL-5	0	0	0	0	0	0	
625						REL-6	0	0	0	0	0	0	
626						REL-7	0	0	0	0	0	0	
627						REL-8	0	3	0	10	0	13	
628						REL-9	0	13	1	14	35	28	
629						REL-10	8	11	6	87	525	112	
630						REL-11	19	61	22	80	28	182	
631							27	88	29	191	588	335	
632													
633													
634													
635													
636						RAN #56							
637						total approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
638						REL-4	0	0	0	0	0	0	
639						REL-5	0	0	0	0	0	0	
640						REL-6	0	0	0	0	0	0	
641						REL-7	0	0	0	0	0	0	
642						REL-8	0	9	0	28	0	37	
643						REL-9	0	18	0	55	236	309	
644						REL-10	8	39	14	157	428	646	
645						REL-11	6	49	34	220	51	360	
646							14	115	48	460	715	1352	
647													

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	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1						RAN #72							
648						cat.A approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
649						REL-4	0	0	0	0	0	0	
650						REL-5	0	0	0	0	0	0	
651						REL-6	0	0	0	0	0	0	
652						REL-7	0	0	0	0	0	0	
653						REL-8	0	0	0	0	0	0	
654						REL-9	0	9	0	25	0	34	
655						REL-10	0	17	0	47	0	64	
656						REL-11	0	19	5	124	0	148	
657							0	45	5	196	0	246	
658													
659						total excl. cat.A	RAN1	RAN2	RAN3	RAN4	RAN5	RAN without RAN5	
660						REL-4	0	0	0	0	0	0	
661						REL-5	0	0	0	0	0	0	
662						REL-6	0	0	0	0	0	0	
663						REL-7	0	0	0	0	0	0	
664						REL-8	0	9	0	28	0	37	
665						REL-9	0	9	0	30	236	39	
666						REL-10	8	22	14	110	428	154	
667						REL-11	6	30	29	96	51	161	
668							14	70	43	264	715	391	
669													
670													
671						RAN #55							
672						total approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
673						REL-4	0	1	0	0	0	1	
674						REL-5	0	1	0	0	0	1	
675						REL-6	0	1	0	0	0	1	
676						REL-7	0	3	0	0	0	3	

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	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1						RAN #72							
677						REL-8	2	5	1	11	0	19	
678						REL-9	2	9	1	33	391	436	
679						REL-10	9	28	8	94	115	254	
680						REL-11	8	16	9	31	33	97	
681							21	64	19	169	539	812	
682													
683						cat.A approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
684						REL-4	0	0	0	0	0	0	
685						REL-5	0	0	0	0	0	0	
686						REL-6	0	0	0	0	0	0	
687						REL-7	0	0	0	0	0	0	
688						REL-8	0	0	0	0	0	0	
689						REL-9	2	3	1	8	0	14	
690						REL-10	2	6	1	16	0	25	
691						REL-11	4	10	2	6	0	22	
692							8	19	4	30	0	61	
693													
694						total excl. cat.A	RAN1	RAN2	RAN3	RAN4	RAN5	RAN without RAN5	
695						REL-4	0	1	0	0	0	1	
696						REL-5	0	1	0	0	0	1	
697						REL-6	0	1	0	0	0	1	
698						REL-7	0	3	0	0	0	3	
699						REL-8	2	5	1	11	0	19	
700						REL-9	0	6	0	25	391	31	
701						REL-10	7	22	7	78	115	114	
702						REL-11	4	6	7	25	33	42	
703							13	45	15	139	539	212	
704													
705													
706													

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	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1						RAN #72							
707						RAN #54							
708						total approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
709						REL-4	0	1	0	0	0	1	
710						REL-5	0	1	0	0	0	1	
711						REL-6	0	1	0	0	1	2	
712						REL-7	1	5	0	0	1	7	
713						REL-8	1	11	0	9	1	22	
714						REL-9	2	19	8	30	453	512	
715						REL-10	26	59	32	134	51	302	
716						REL-11	10	18	7	7	13	55	
717							40	115	47	180	520	902	
718													
719						cat.A approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
720						REL-4	0	0	0	0	0	0	
721						REL-5	0	1	0	0	0	1	
722						REL-6	0	1	0	0	0	1	
723						REL-7	0	1	0	0	0	1	
724						REL-8	1	3	0	0	0	4	
725						REL-9	1	10	0	8	0	19	
726						REL-10	2	16	7	23	0	48	
727						REL-11	0	2	0	0	0	2	
728							4	34	7	31	0	76	
729													
730						total excl. cat.A	RAN1	RAN2	RAN3	RAN4	RAN5	RAN without RAN5	
731						REL-4	0	1	0	0	0	1	
732						REL-5	0	0	0	0	0	0	
733						REL-6	0	0	0	0	1	0	
734						REL-7	1	4	0	0	1	5	
735						REL-8	0	8	0	9	1	17	

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	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1						RAN #72							
736						REL-9	1	9	8	22	453	40	
737						REL-10	24	43	25	111	51	203	
738						REL-11	10	16	7	7	13	40	
739							36	81	40	149	520	306	
740													
741													
742													
743													
744													
745						RAN #53							
746						total approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
747						REL-4	0	2	0	0	0	2	
748						REL-5	0	2	0	0	0	2	
749						REL-6	0	2	0	0	0	2	
750						REL-7	0	2	0	1	0	3	
751						REL-8	2	11	1	26	0	40	
752						REL-9	3	27	4	42	568	644	
753						REL-10	37	82	56	127	10	312	
754						REL-11	0	6	0	2	0	8	
755							42	134	61	198	578	1013	
756													
757						cat.A approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
758						REL-4	0	0	0	0	0	0	
759						REL-5	0	2	0	0	0	2	
760						REL-6	0	2	0	0	0	2	
761						REL-7	0	2	0	0	0	2	
762						REL-8	0	2	0	1	0	3	
763						REL-9	2	9	1	21	0	33	
764						REL-10	3	22	4	40	0	69	

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	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1						RAN #72							
765						REL-11	0	1	0	0	0	1	
766							5	40	5	62	0	112	
767													
768						total excl. cat.A	RAN1	RAN2	RAN3	RAN4	RAN5	RAN without RAN5	
769						REL-4	0	2	0	0	0	2	
770						REL-5	0	0	0	0	0	0	
771						REL-6	0	0	0	0	0	0	
772						REL-7	0	0	0	1	0	1	
773						REL-8	2	9	1	25	0	37	
774						REL-9	1	18	3	21	568	43	
775						REL-10	34	60	52	87	10	233	
776						REL-11	0	5	0	2	0	7	
777							37	94	56	136	578	323	
778													
779													
780													
781						RAN #52							
782						total approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
783						REL-4	0	1	0	0	0	1	
784						REL-5	0	1	0	0	0	1	
785						REL-6	0	1	0	0	0	1	
786						REL-7	0	4	0	0	0	4	
787						REL-8	0	27	8	21	6	62	
788						REL-9	1	40	12	49	457	559	
789						REL-10	69	151	136	141	2	499	
790						REL-11	0	1	0	0	0	1	
791							70	226	156	211	465	1128	
792													
793						cat.A approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	

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	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1						RAN #72							
794						REL-4	0	0	0	0	0	0	
795						REL-5	0	0	0	0	0	0	
796						REL-6	0	0	0	0	0	0	
797						REL-7	0	0	0	0	0	0	
798						REL-8	0	3	0	1	0	4	
799						REL-9	0	17	8	17	0	42	
800						REL-10	1	33	10	44	0	88	
801						REL-11	0	0	0	0	0	0	
802							1	53	18	62	0	134	
803													
804						total excl. cat.A	RAN1	RAN2	RAN3	RAN4	RAN5	RAN without RA	
805						REL-4	0	1	0	0	0	1	
806						REL-5	0	1	0	0	0	1	
807						REL-6	0	1	0	0	0	1	
808						REL-7	0	4	0	0	0	4	
809						REL-8	0	24	8	20	6	52	
810						REL-9	1	23	4	32	457	60	
811						REL-10	68	118	126	97	2	409	
812						REL-11	0	1	0	0	0	1	
813							69	173	138	149	465	529	
814													
815													
816													
817						RAN #51							
818						total approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
819						REL-7	0	6	0	4	0	10	
820						REL-8	0	21	0	29	123	173	
821						REL-9	2	46	11	59	433	551	

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	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1						RAN #72							
822						REL-10	12	176	80	98	0	366	
823							14	249	91	190	556	1100	
824						cat.A approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
825						REL-7	0	0	0	0	0	0	
826						REL-8	0	5	0	3	0	8	
827						REL-9	0	18	0	28	0	46	
828						REL-10	2	43	11	53	0	109	
829							2	66	11	84	0	163	
830						total excl. cat.A	RAN1	RAN2	RAN3	RAN4	RAN5	RAN without RAN5	
831						REL-7	0	6	0	4	0	10	10
832						REL-8	0	16	0	26	123	42	165
833						REL-9	2	28	11	31	433	72	505
834						REL-10	10	133	69	45	0	257	257
835							12	183	80	106	556	381	937
836													
837													
838													
839													
840													
841													
842													
843													
844													
845													
846													

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	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1						RAN #72							
847						RAN #50							
848						total approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
849						REL-7	5	3	0	1	0	9	
850						REL-8	6	24	6	55	166	257	
851						REL-9	10	49	22	97	345	523	
852						REL-10	21	101	48	103	0	273	
853							42	177	76	256	511	1062	
854						cat.A approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
855						REL-7	0	1	0	0	0	1	
856						REL-8	5	3	0	1	0	9	
857						REL-9	6	24	5	51	0	86	
858						REL-10	5	27	8	56	0	96	
859							16	55	13	108	0	192	
860						total excl. cat.A	RAN1	RAN2	RAN3	RAN4	RAN5	RAN without RAN5	
861						REL-7	5	2	0	1	0	8	8
862						REL-8	1	21	6	54	166	82	248
863						REL-9	4	25	17	46	345	92	437
864						REL-10	16	74	40	47	0	177	177
865							26	122	63	148	511	359	870
866													
867													
868													
869													
870													
871													

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	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1						RAN #72							
872						RAN #49							
873						total approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
874						REL-7	4	10	0	4	0	18	18
875						REL-8	6	27	10	36	181	260	260
876						REL-9	12	75	36	97	435	655	655
877						REL-10	4	45	7	10	0	66	66
878							26	157	53	147	616	999	998
879						cat.A approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
880						REL-7	0	0	0	0	0	0	0
881						REL-8	4	10	0	3	0	17	17
882						REL-9	6	25	9	35	0	75	75
883						REL-10	0	26	0	1	0	27	27
884							10	61	9	39	0	119	119
885						total excl. cat.A	RAN1	RAN2	RAN3	RAN4	RAN5	RAN without RAN5	
886						REL-7	4	10	0	4	0	18	18
887						REL-8	2	17	10	33	181	62	243
888						REL-9	6	50	27	62	435	145	580
889						REL-10	4	19	7	9	0	39	39
890							16	96	44	108	616	264	880
891													
892													
893													
894													
895													
896													
897													
898													

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1						RAN #72							
899						RAN #48							
900						total approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
901						REL-7	1	7	0	4	0	12	12
902						REL-8	5	40	13	38	91	187	187
903						REL-9	11	96	56	87	415	665	665
904						REL-10	0	8	0	10	0	18	18
905							17	151	69	139	506	882	882
906						cat.A approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
907						REL-7	0	0	0	0	0	0	0
908						REL-8	1	7	0	4	0	12	12
909						REL-9	5	39	8	37	0	89	89
910						REL-10	0	3	0	0	0	3	3
911							6	49	8	41	0	104	104
912						total excl. cat.A	RAN1	RAN2	RAN3	RAN4	RAN5	RAN without RAN5	
913						REL-7	1	7	0	4	0	12	12
914						REL-8	4	33	13	34	91	84	175
915						REL-9	6	57	48	50	415	161	576
916						REL-10	0	5	0	10	0	15	15
917							11	102	61	98	506	272	778
918													
919													
920													
921													
922													
923													
924													
925						RAN #47							

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1						RAN #72							
926						total approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
927						REL-4	0	1	0	0	0	1	1
928						REL-5	0	1	0	0	0	1	1
929						REL-6	0	2	0	0	0	2	2
930						REL-7	1	6	2	14	0	23	23
931						REL-8	10	54	47	66	579	756	756
932						REL-9	29	209	140	136	0	514	514
933						REL-10	0	2	0	0	0	2	2
934							40	275	189	216	579	1299	
935						cat.A approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
936						REL-4	0	0	0	0	0	0	0
937						REL-5	0	0	0	0	0	0	0
938						REL-6	0	0	0	0	0	0	0
939						REL-7	0	0	0	0	0	0	0
940						REL-8	1	4	2	14	0	21	21
941						REL-9	9	52	38	60	0	159	159
942						REL-10	0	0	0	0	0	0	0
943							10	56	40	74	0	180	
944						total excl. cat.A	RAN1	RAN2	RAN3	RAN4	RAN5	RAN without RAN5	
945						REL-4	0	1	0	0	0	1	
946						REL-5	0	1	0	0	0	1	
947						REL-6	0	2	0	0	0	2	
948						REL-7	1	6	2	14	0	23	
949						REL-8	9	50	45	52	579	156	
950						REL-9	20	157	102	76	0	355	
951						REL-10	0	2	0	0	0	2	
952													
953													
954													
955													

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	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1						RAN #72							
956						RAN #46							
957						total approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
958						REL-4	0	1	0	0	0	1	1
959						REL-5	0	1	0	0	0	1	1
960						REL-6	0	3	0	0	0	3	3
961						REL-7	4	18	2	6	0	30	30
962						REL-8	17	85	48	126	535	811	811
963						REL-9	33	177	84	182	0	476	476
964							54	285	134	314	535	1322	
965													
966													
967						RAN #46							
968						cat.A approved	RAN1	RAN2	RAN3	RAN4	RAN5	RAN	
969						REL-4	0	0	0	0	0	0	0
970						REL-5	0	0	0	0	0	0	0
971						REL-6	0	0	0	0	0	0	0
972						REL-7	0	2	0	0	0	2	2
973						REL-8	3	17	2	5	0	27	27
974						REL-9	5	70	31	97	0	203	203
975							8	89	33	102	0	232	
976													
977						RAN #46							
978						total excl. cat.A	RAN1	RAN2	RAN3	RAN4	RAN5	RAN - RAN5	
979						REL-4	0	1	0	0	0	1	
980						REL-5	0	1	0	0	0	1	
981						REL-6	0	3	0	0	0	3	
982						REL-7	4	16	2	6	0	28	
983						REL-8	14	68	46	121	535	249	

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	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1						RAN #72							
984						REL-9	28	107	53	85	0	273	
985							46	196	101	212	535	555	
986													
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992													
993													
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997													
998													
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1001													
1002													
1003						no cat.A							
1004						REL: RAN1-4							
1005						testing: RAN5							
1006													
1007						Release	RAN#43	RAN #44	RAN #45	RAN #46			
1008						Rel-4 Testing	0	0	0	0			
1009						Rel-5 Testing	0	0	0	0			
1010						Rel-6 Testing	0	0	0	0			
1011						Rel-7 Testing	0	0	0	0			
1012						Rel-9 Testing	0	0	0	0			
1013													

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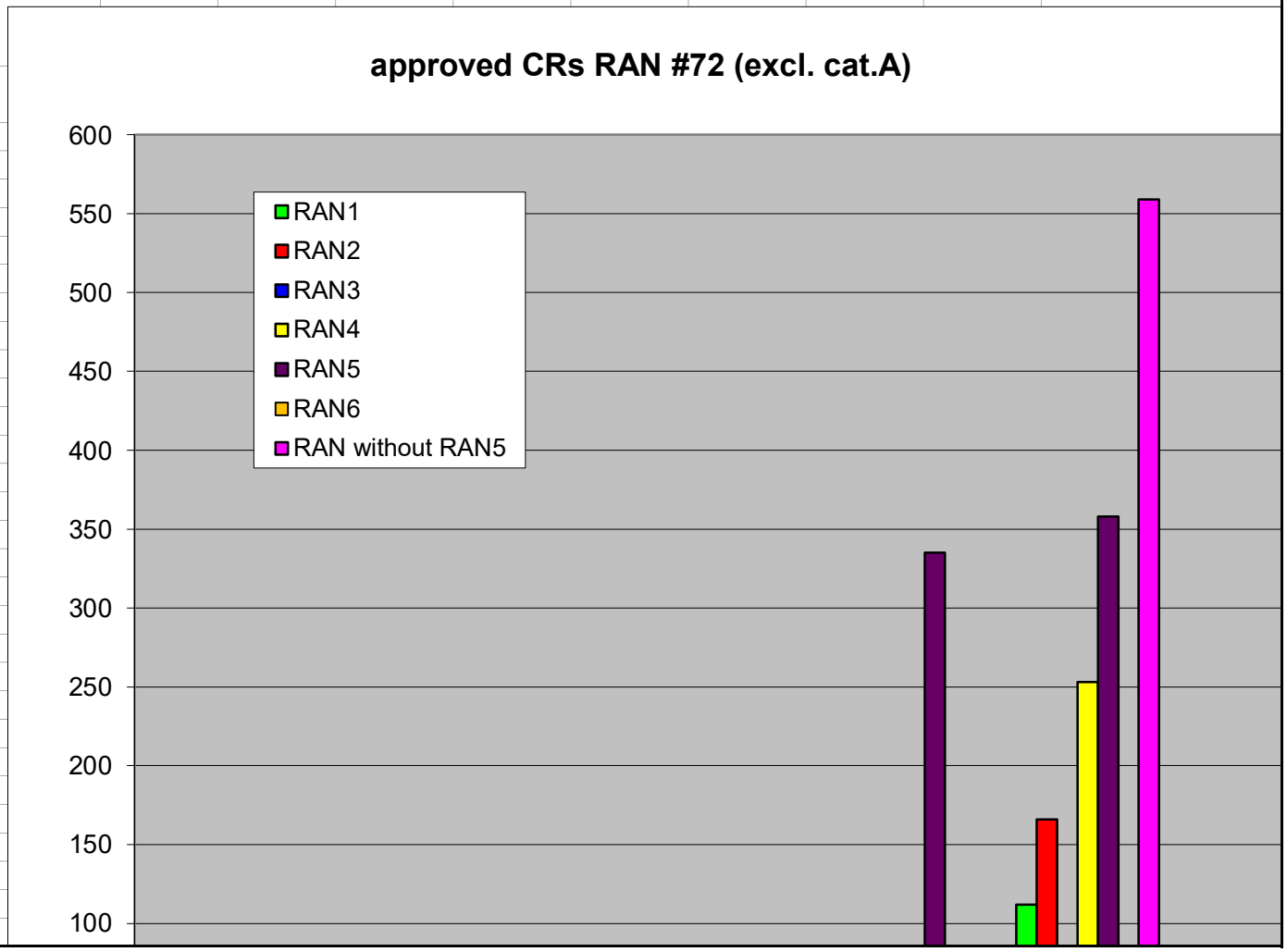
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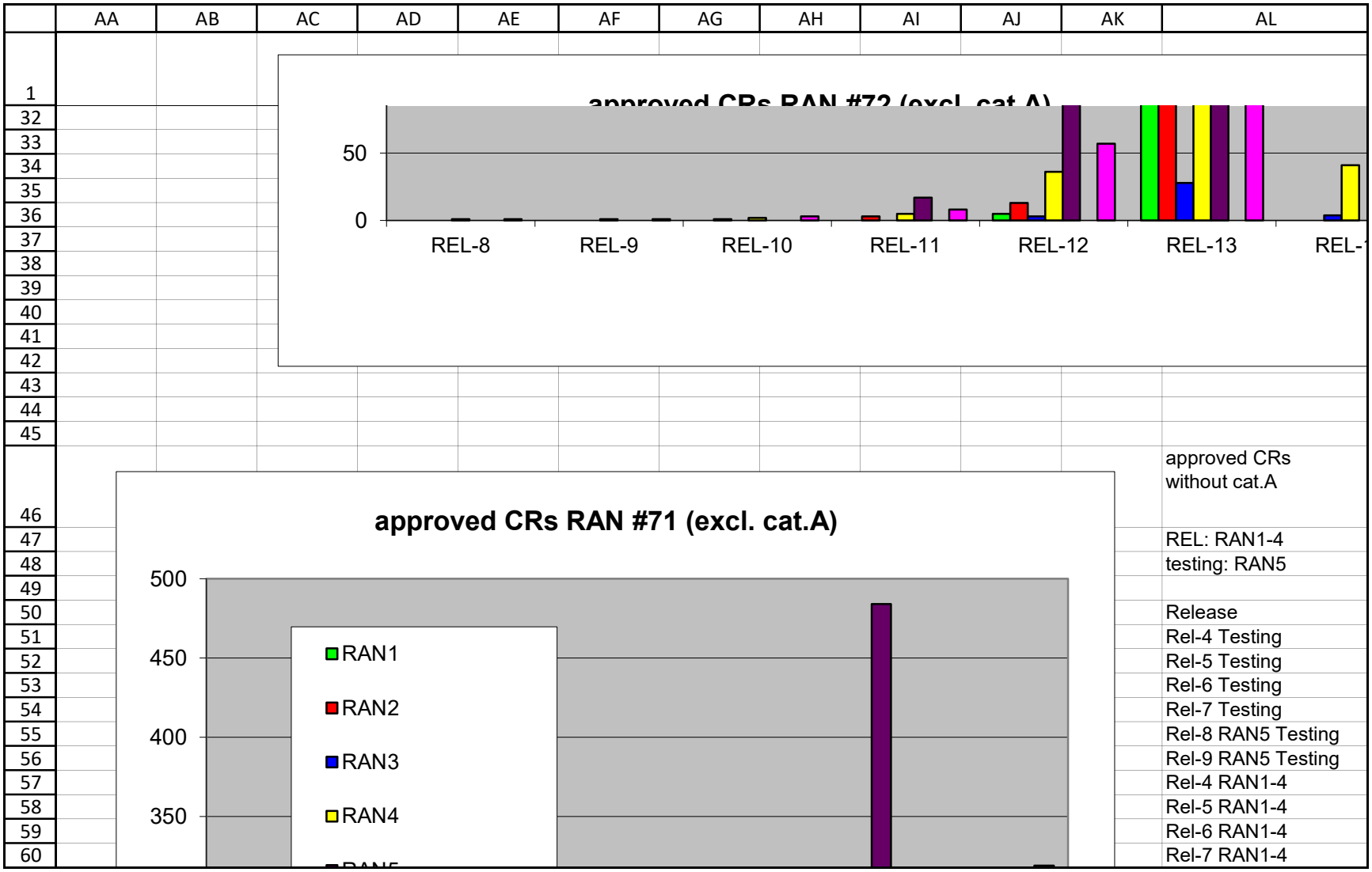
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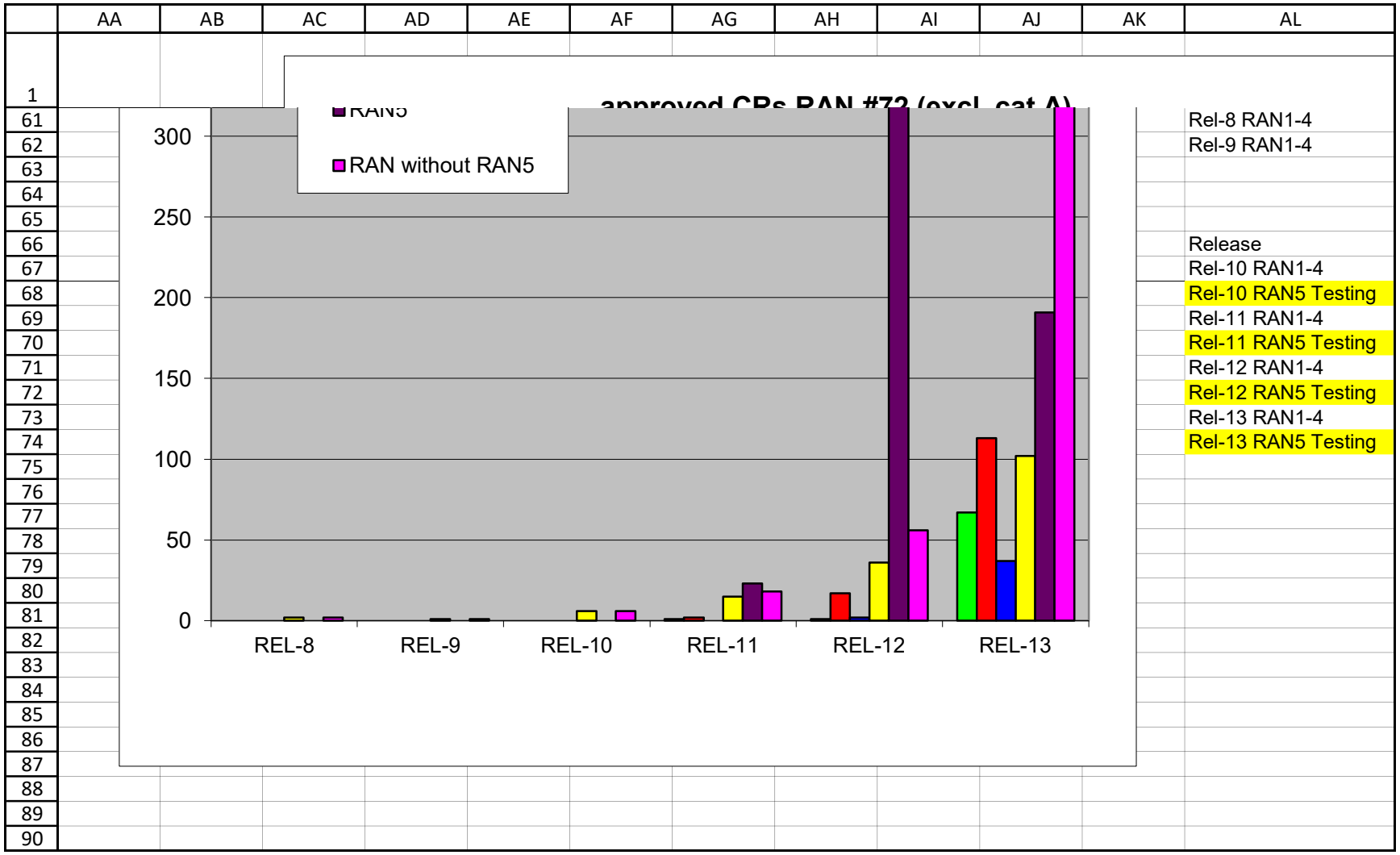
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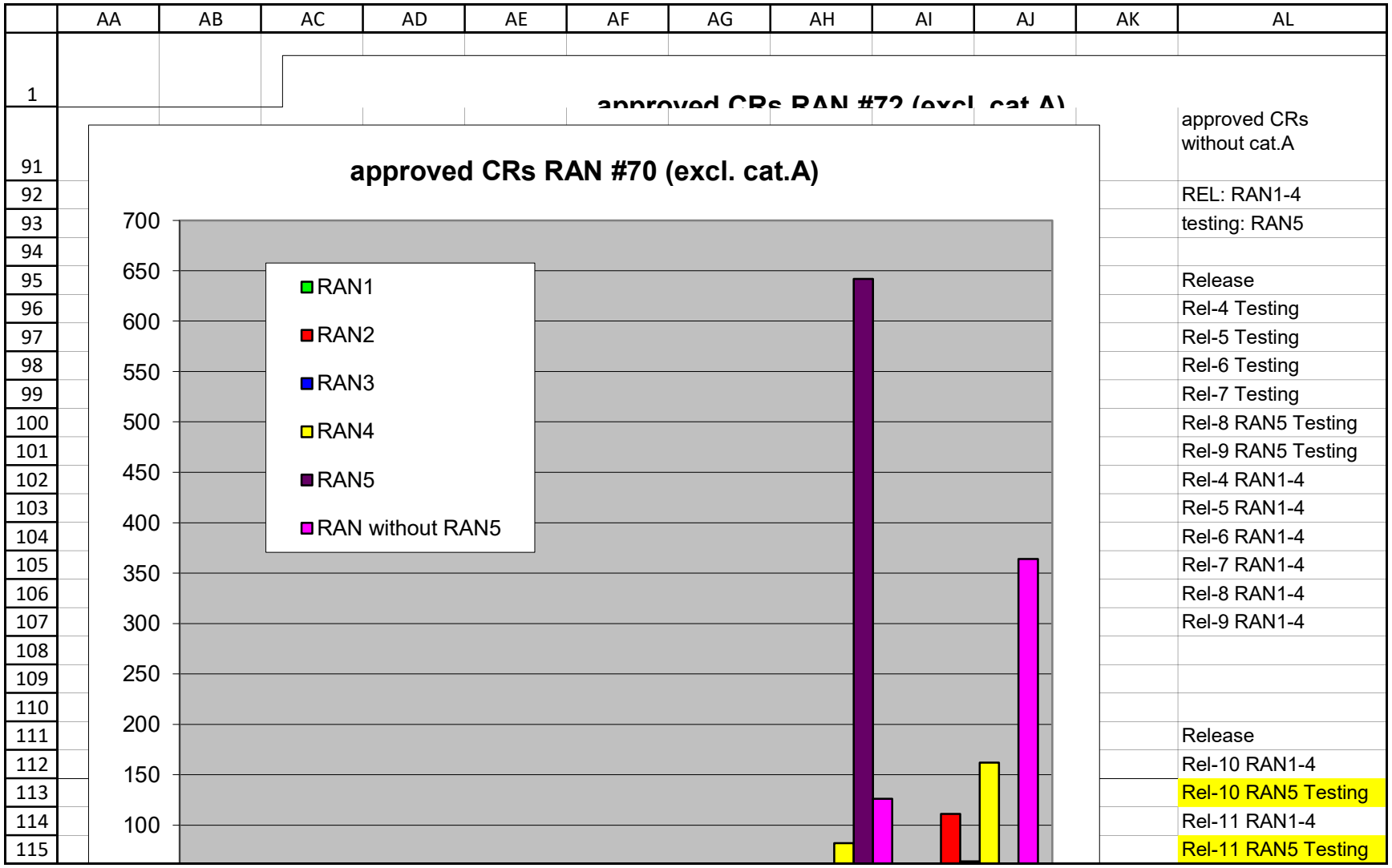
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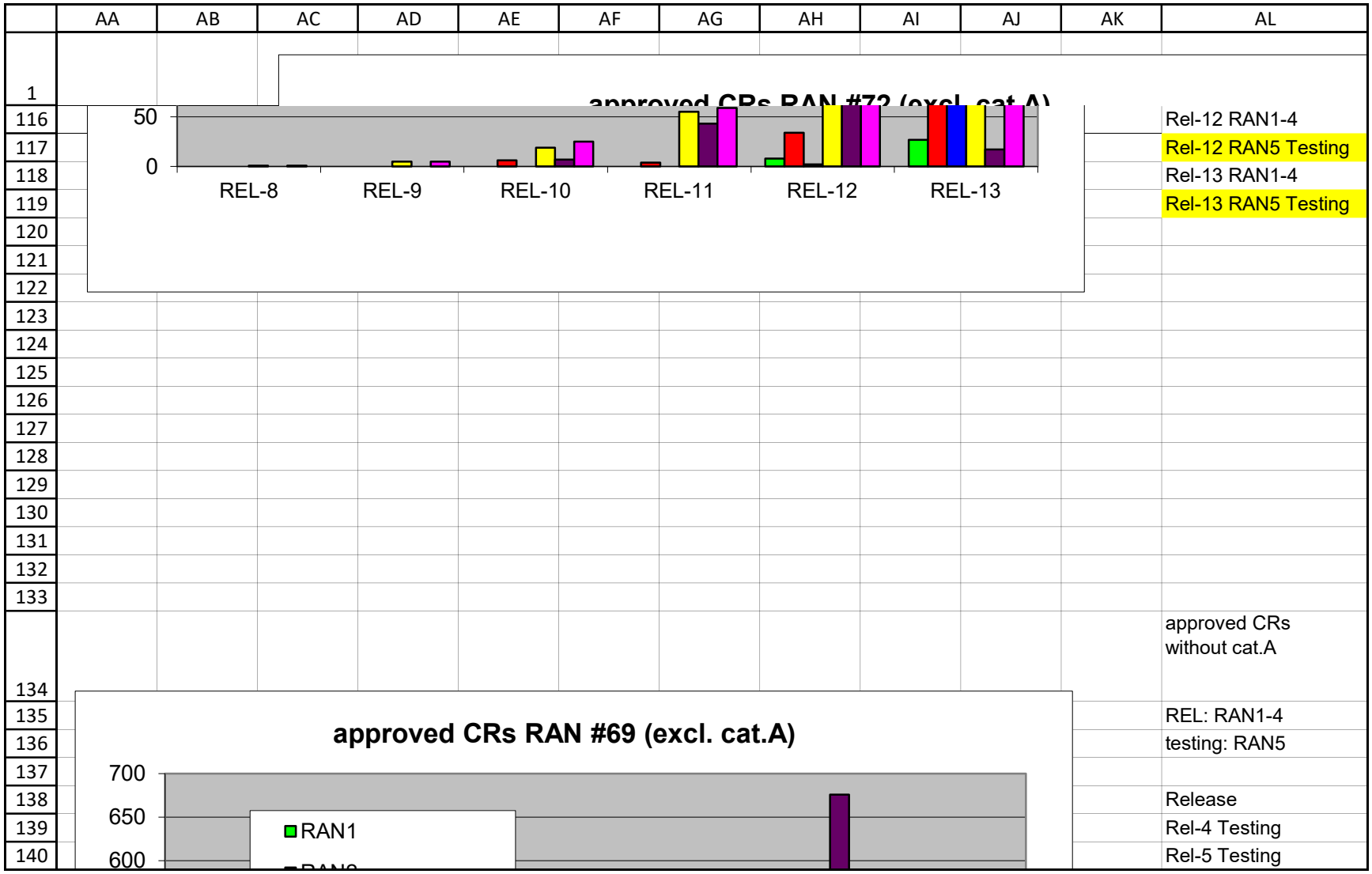


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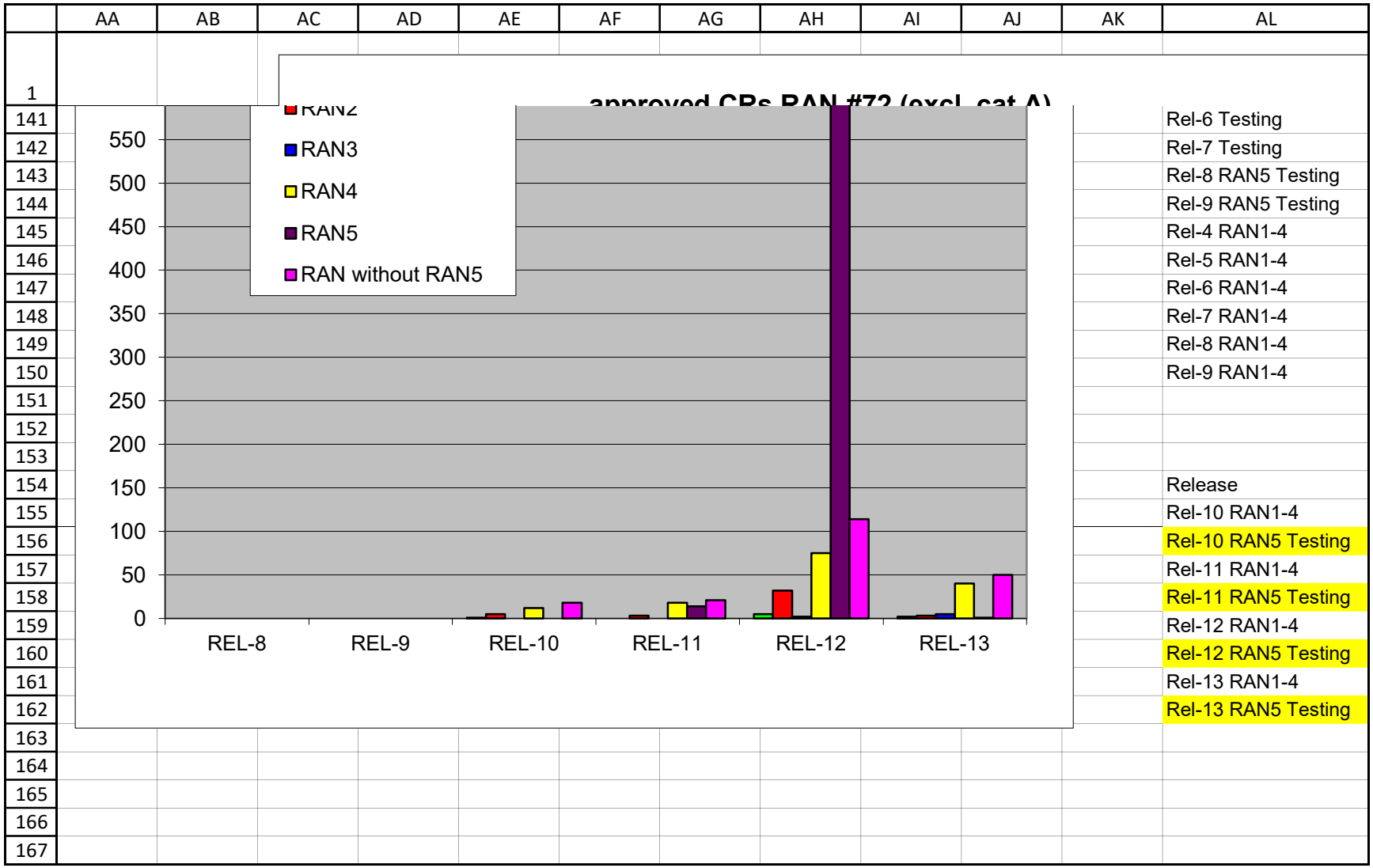


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96												Rel-4 Testing
97												Rel-5 Testing
98												Rel-6 Testing
99												Rel-7 Testing
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113												Rel-10 RAN5 Testing
114												Rel-11 RAN1-4
115												Rel-11 RAN5 Testing

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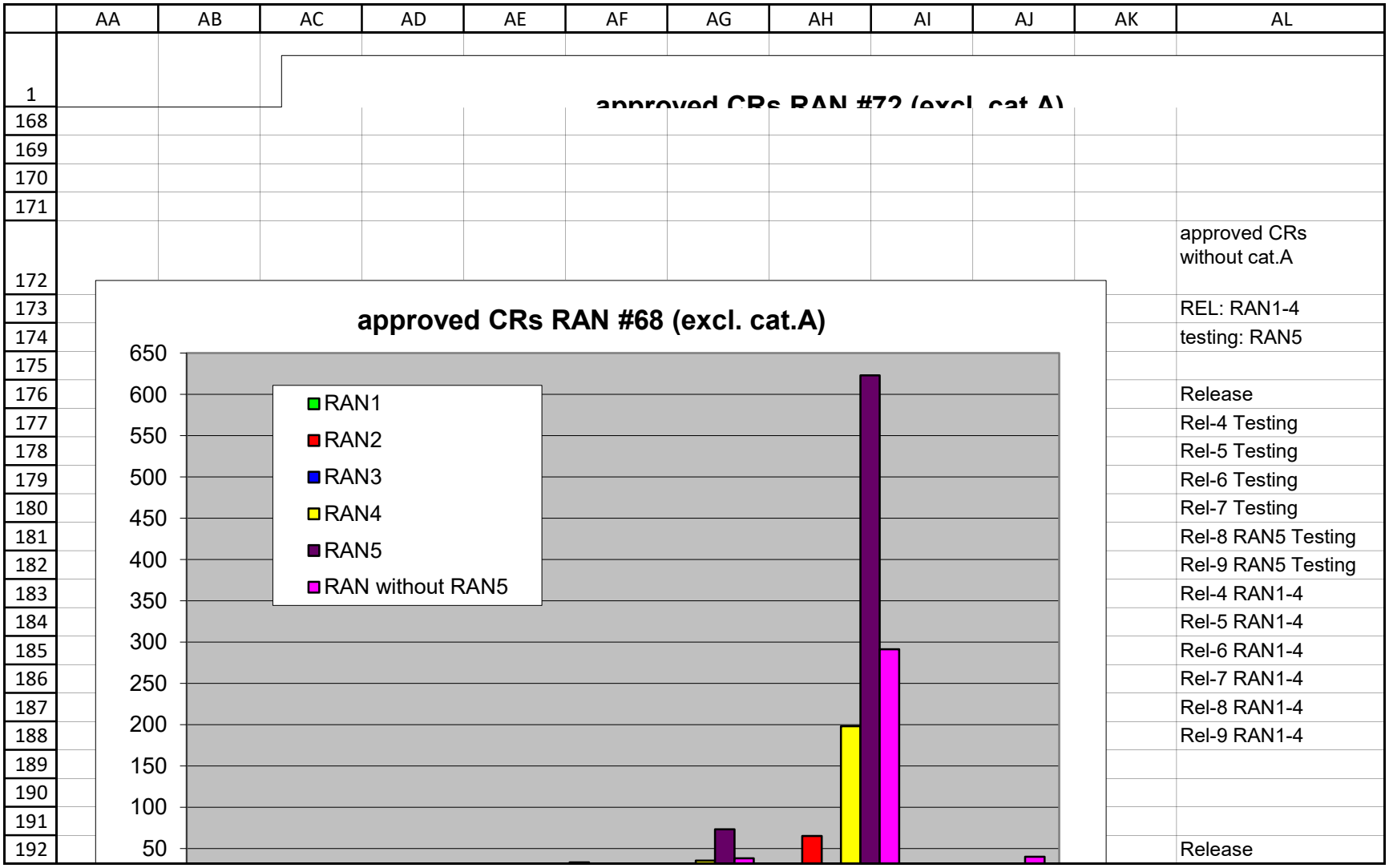


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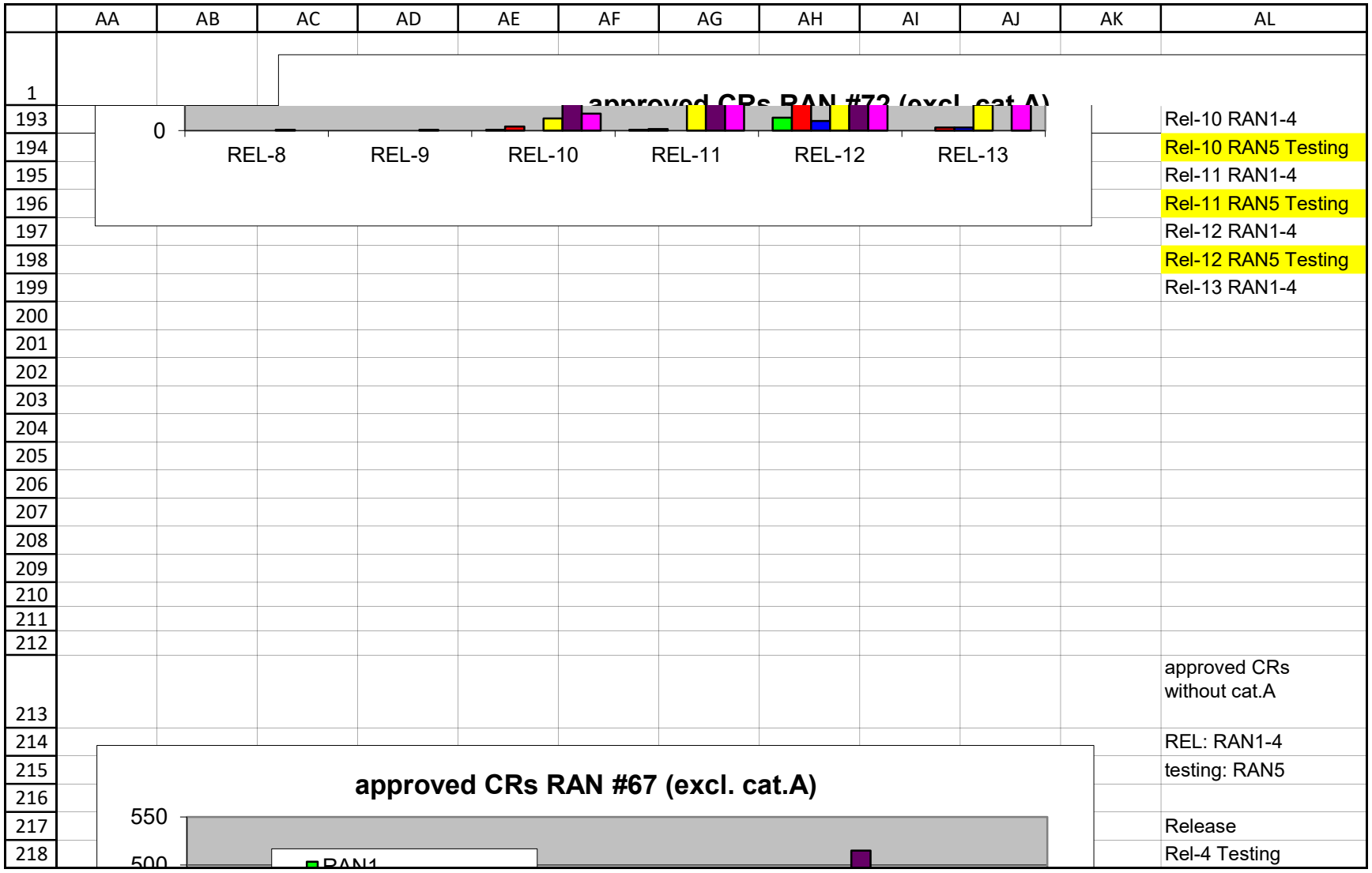
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155	Rel-10 RAN1-4
156	Rel-10 RAN5 Testing
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160	Rel-12 RAN5 Testing
161	Rel-13 RAN1-4
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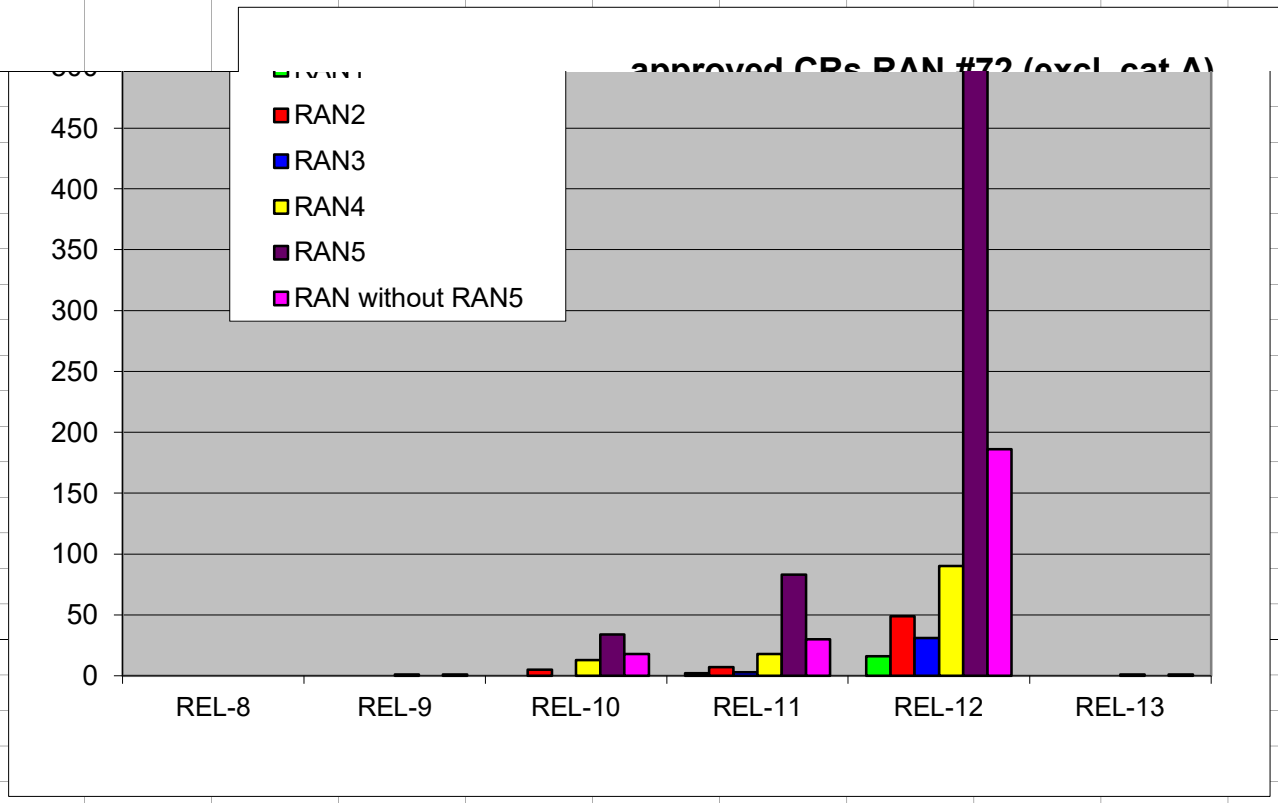


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188												Rel-9 RAN1-4
189												
190												
191												
192												Release

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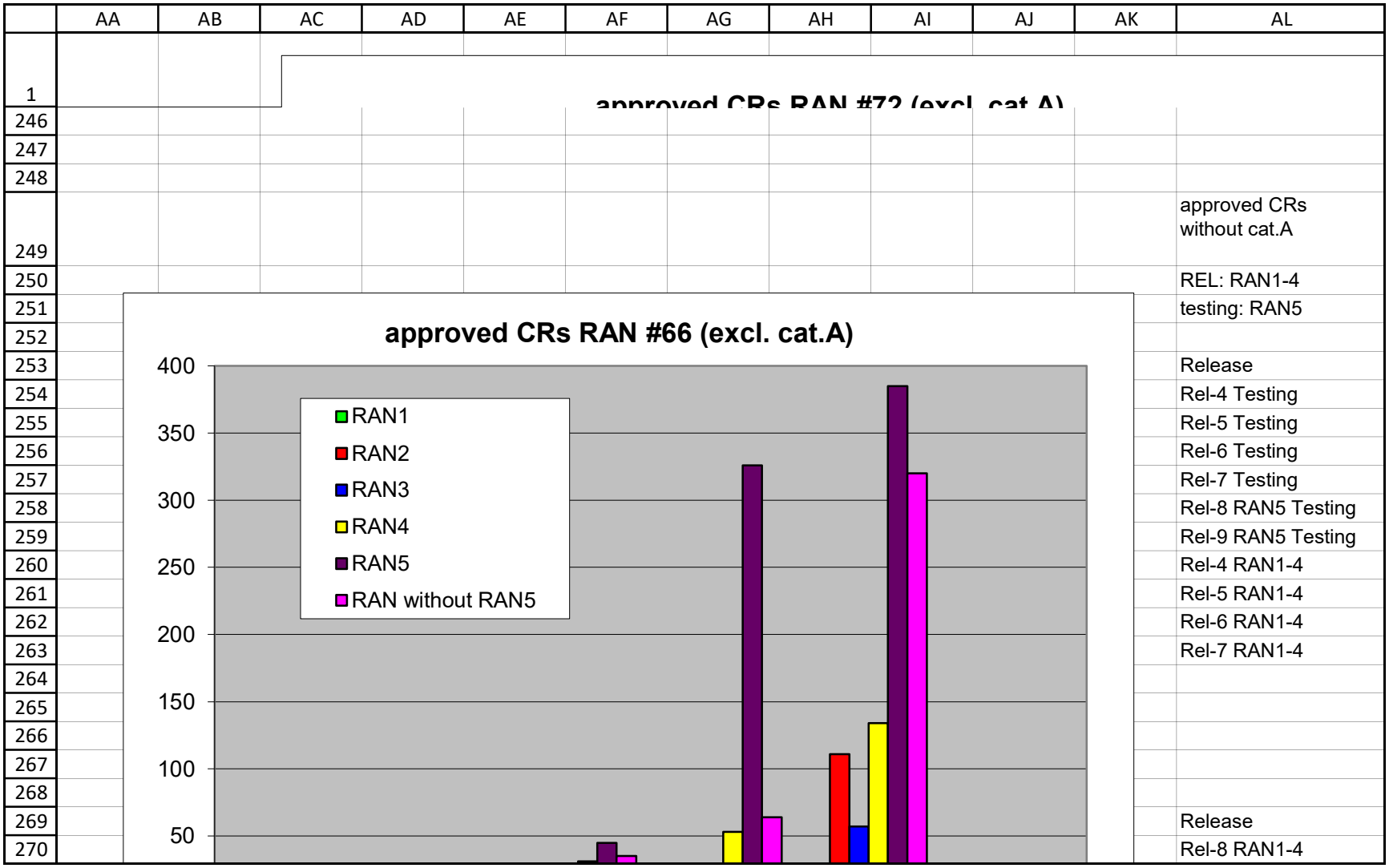


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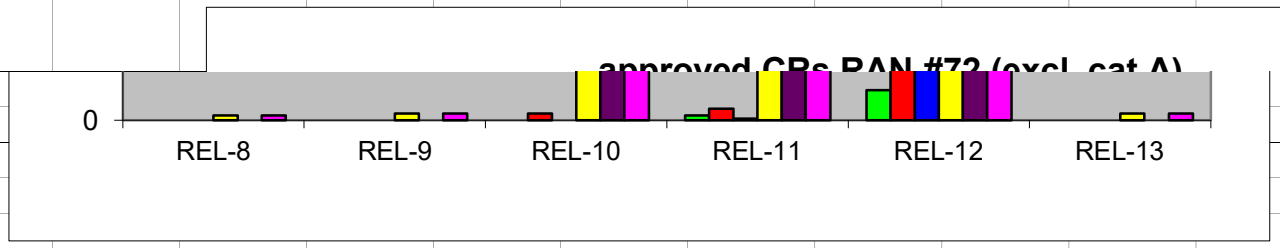


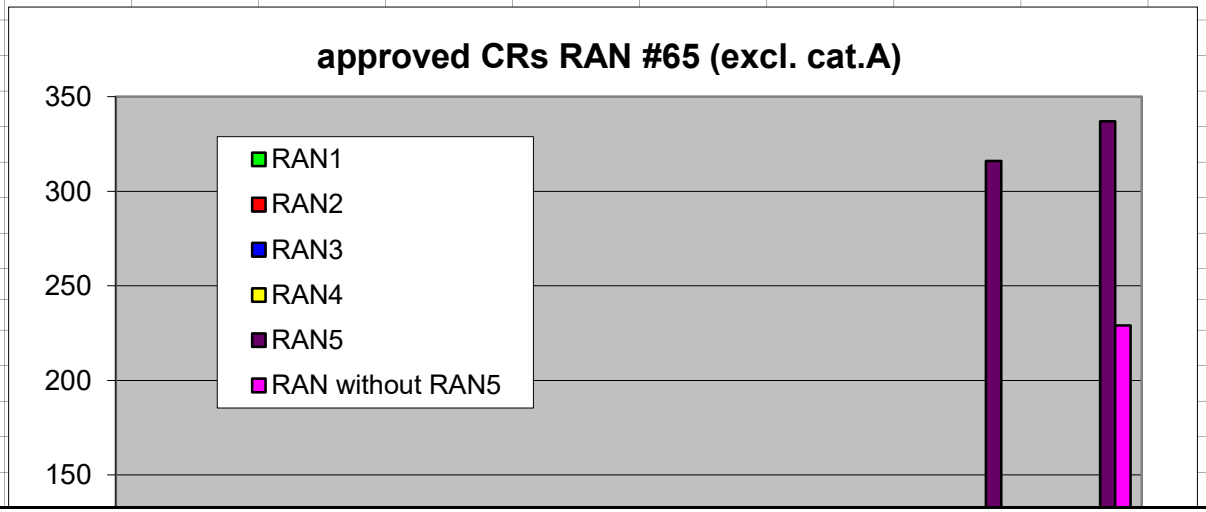
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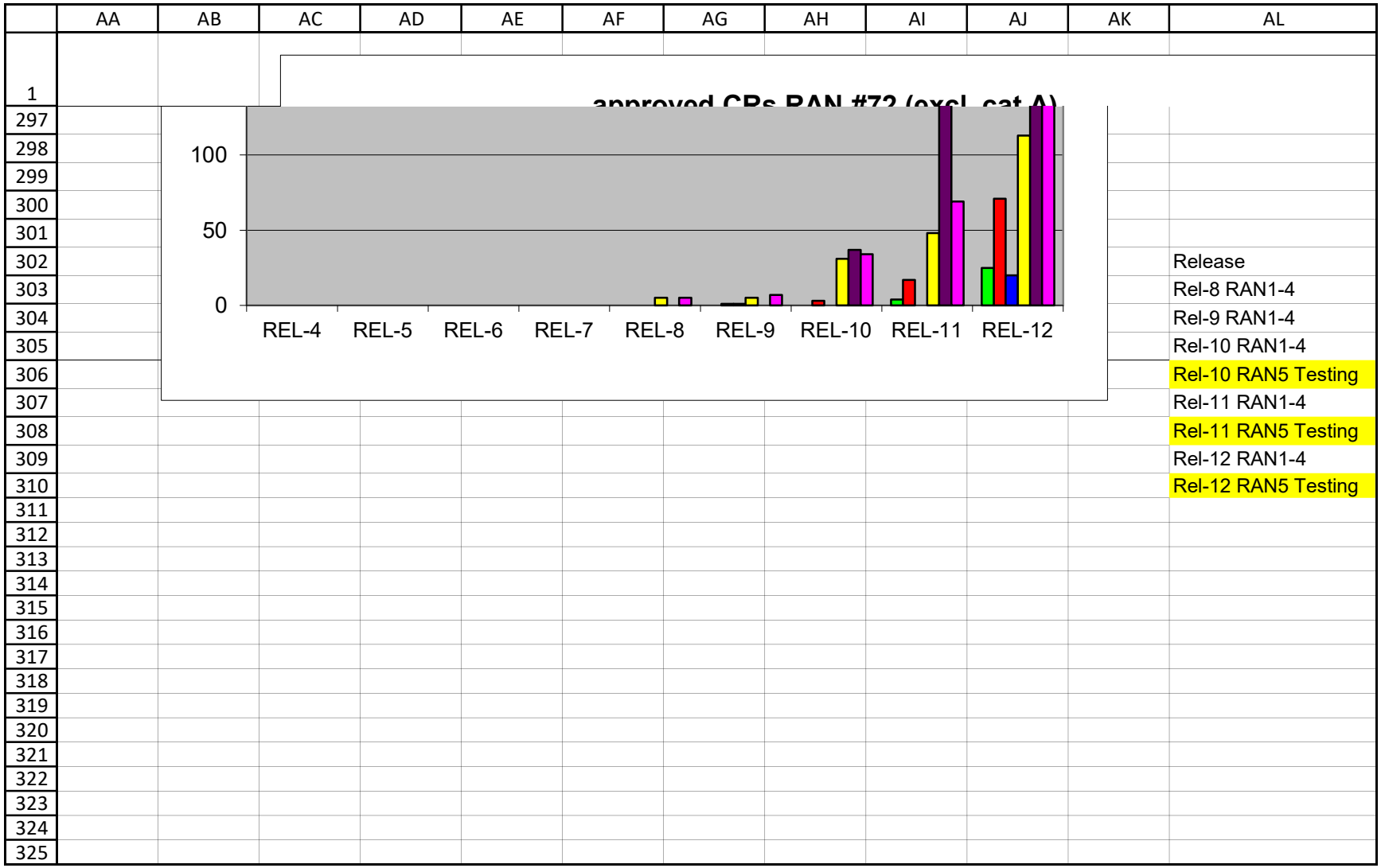
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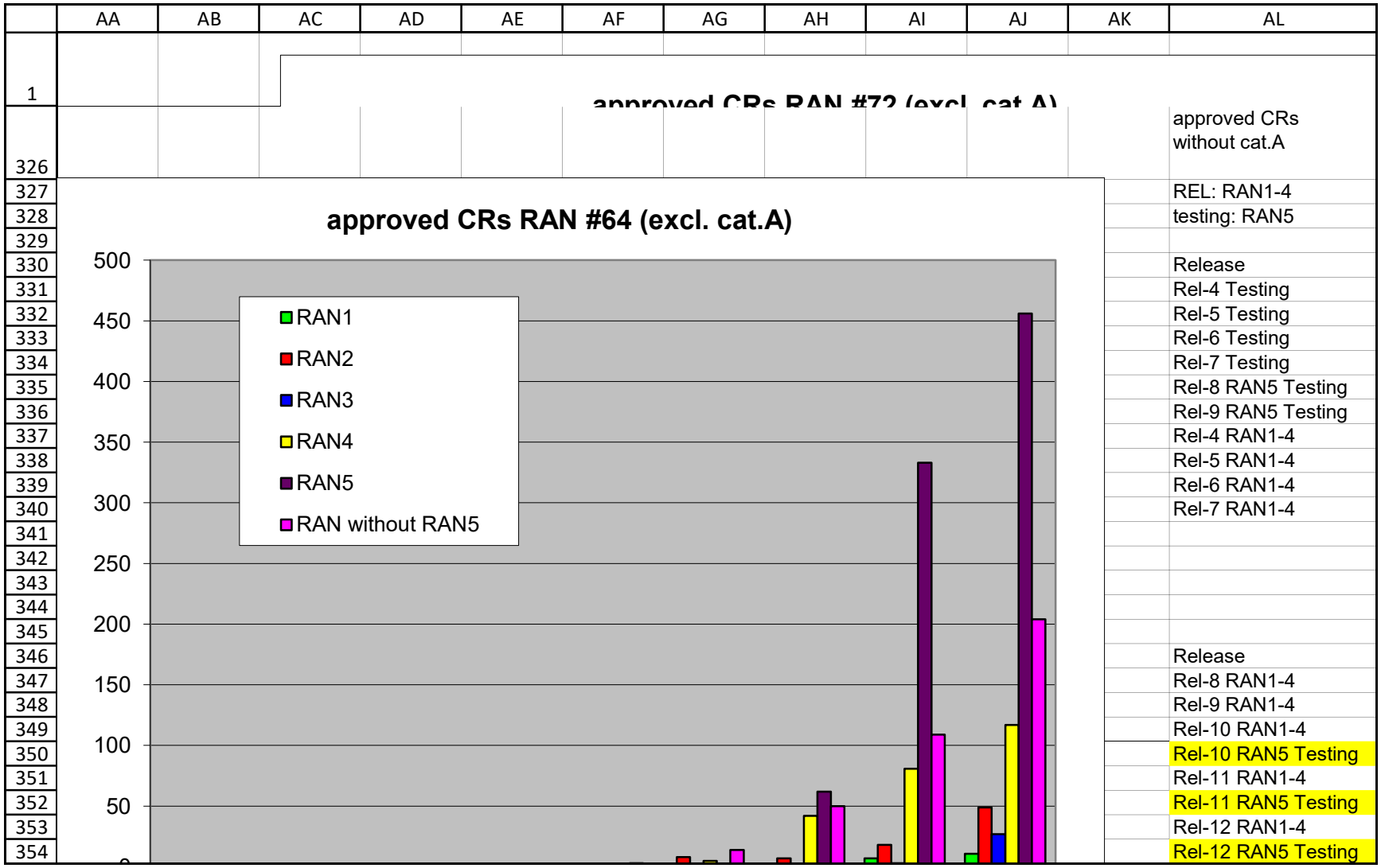


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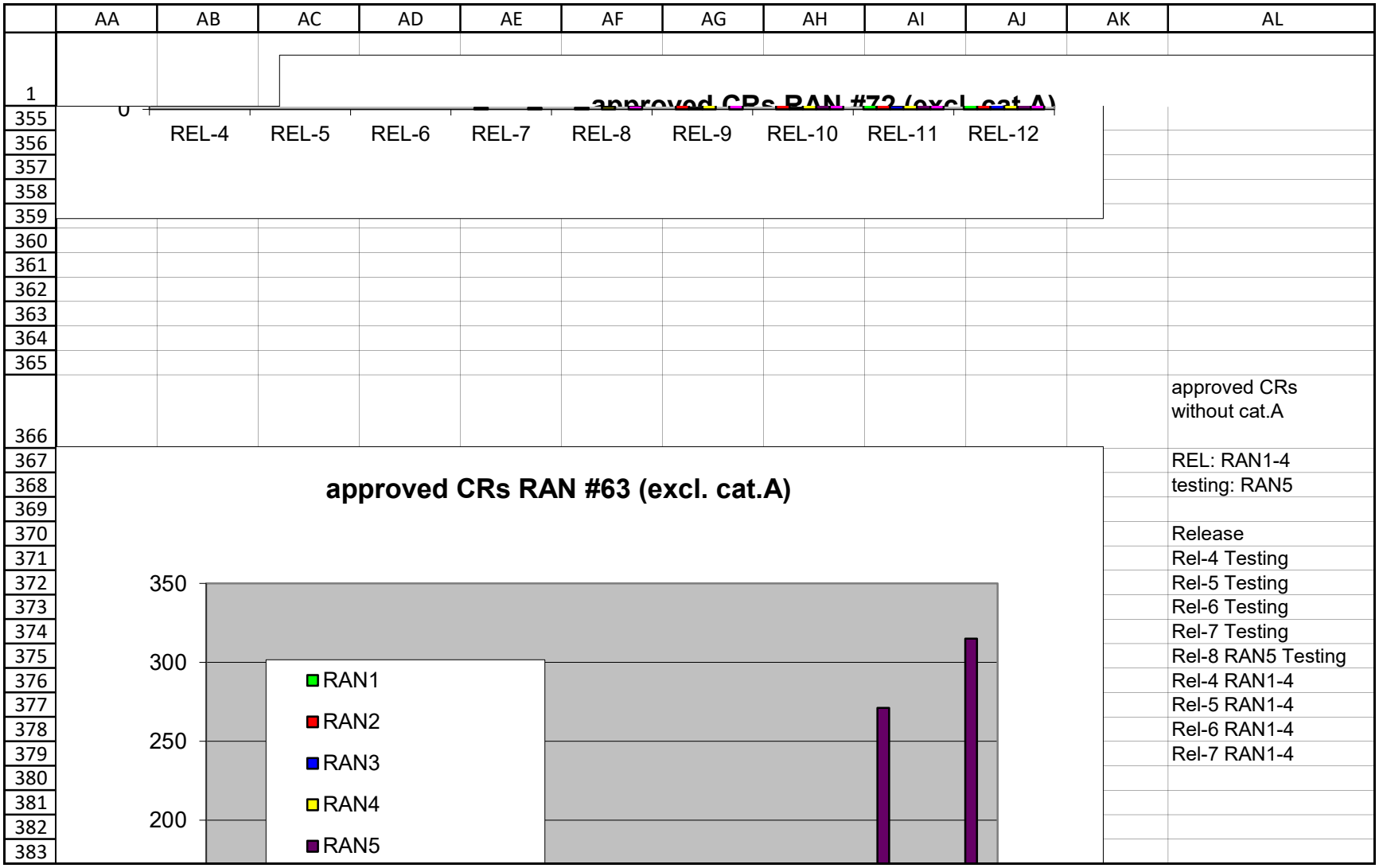


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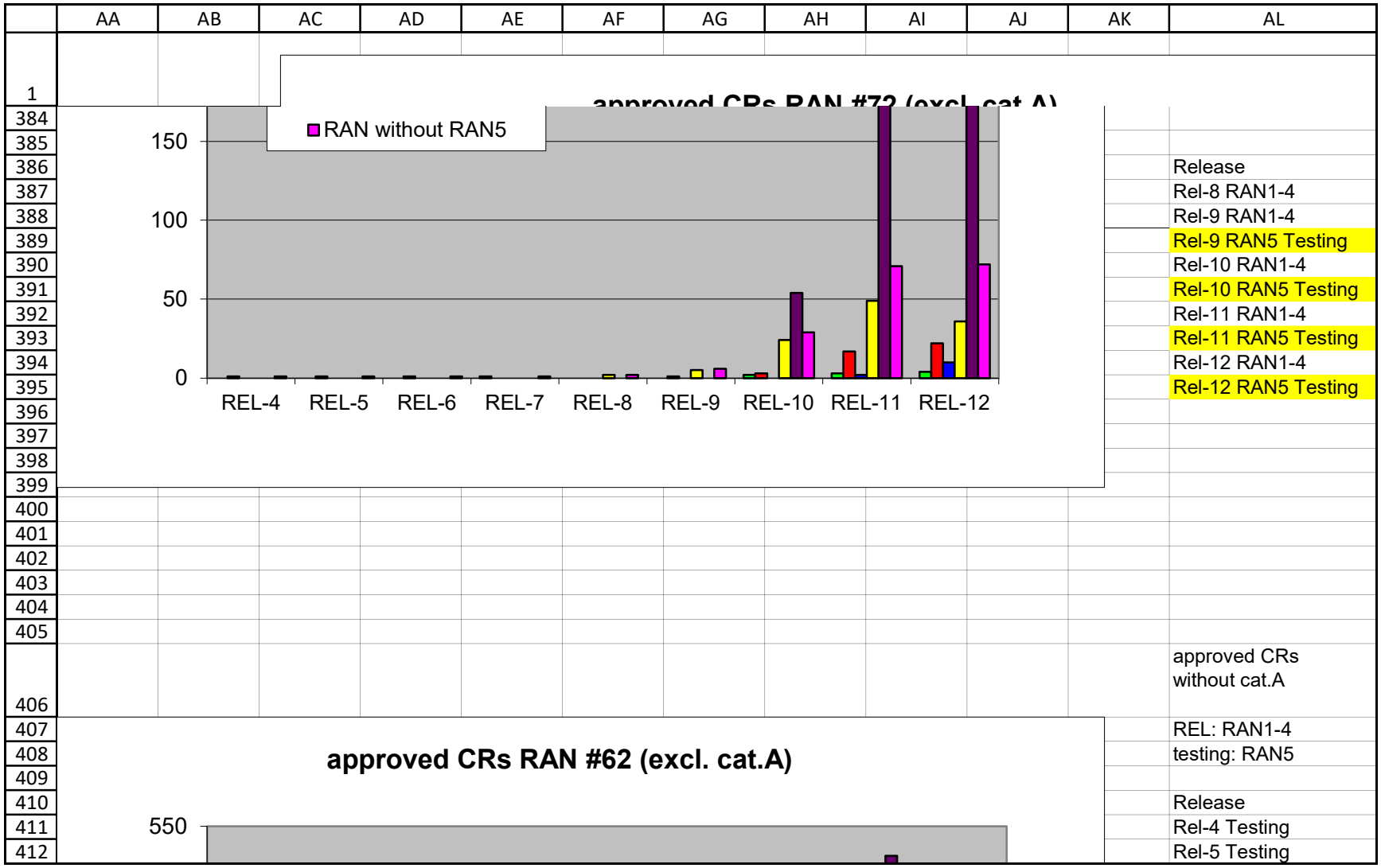


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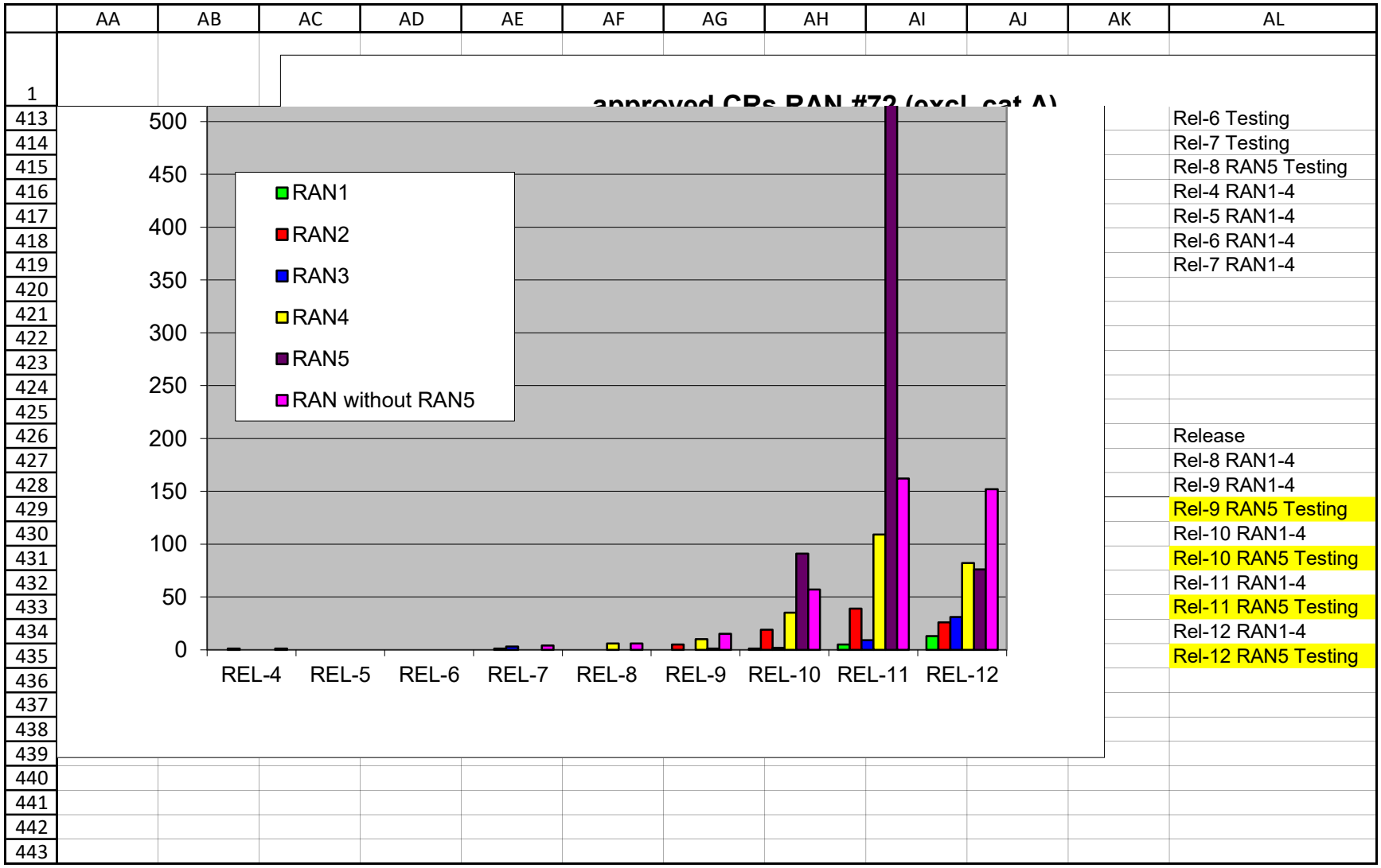
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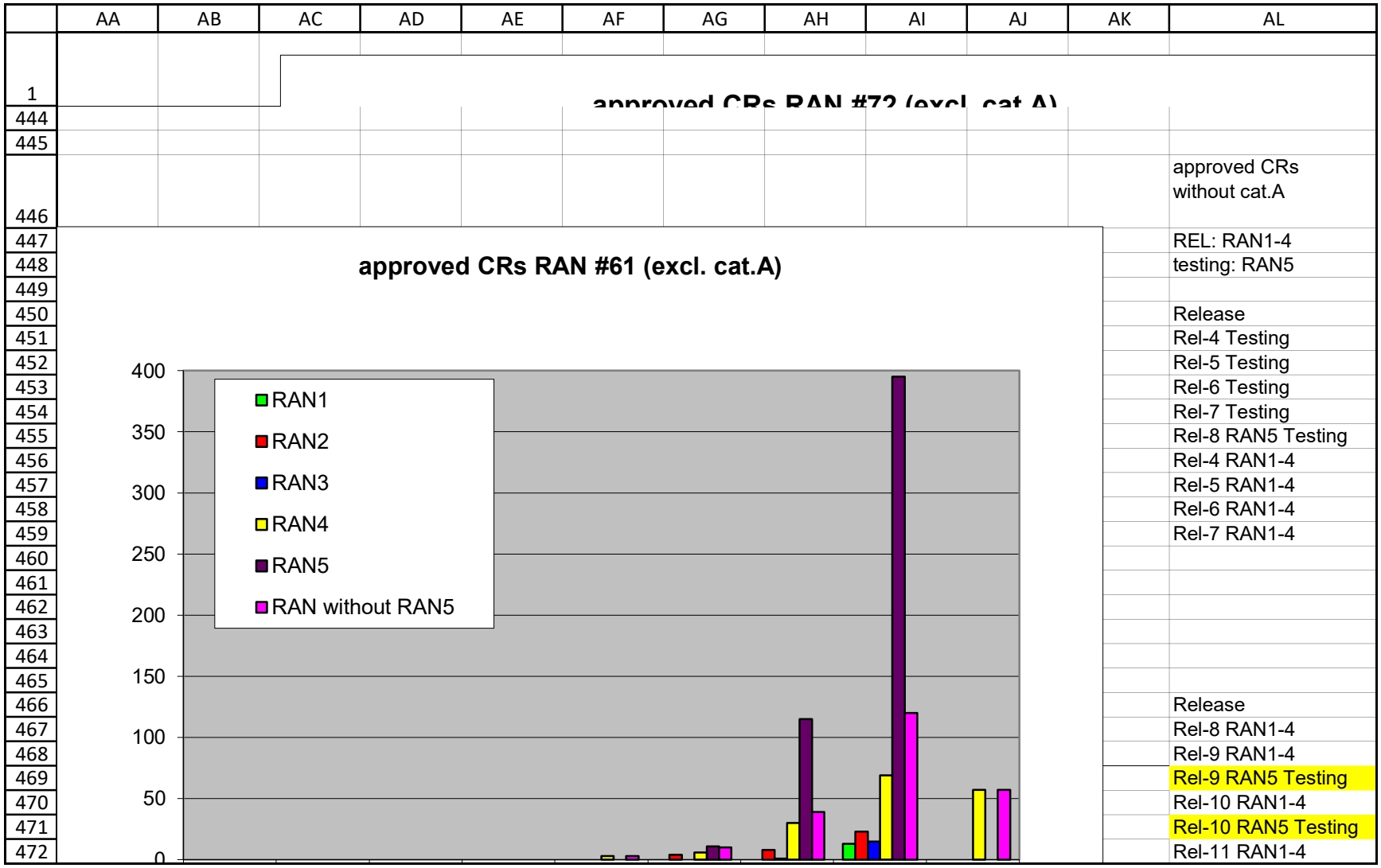
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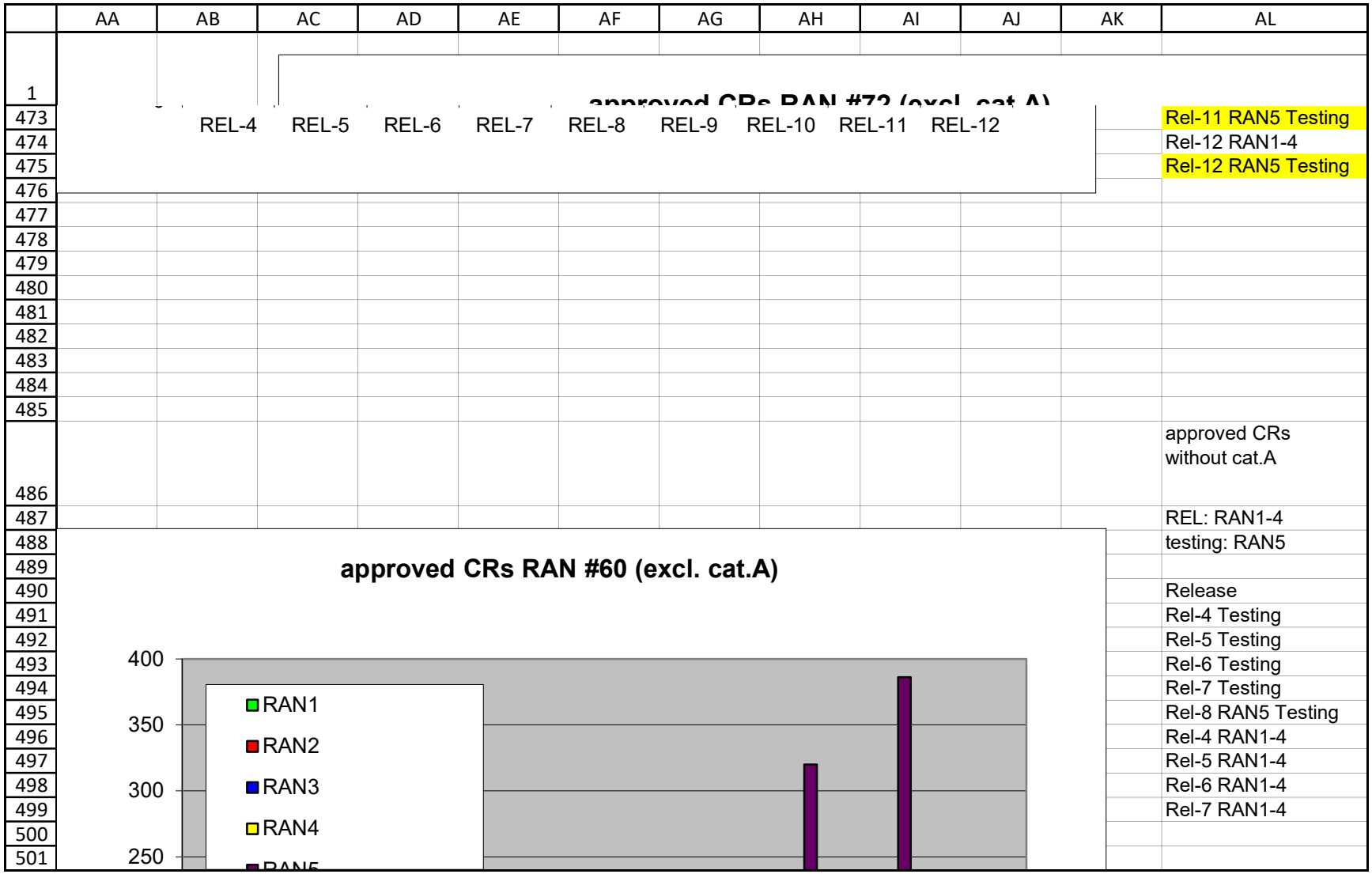
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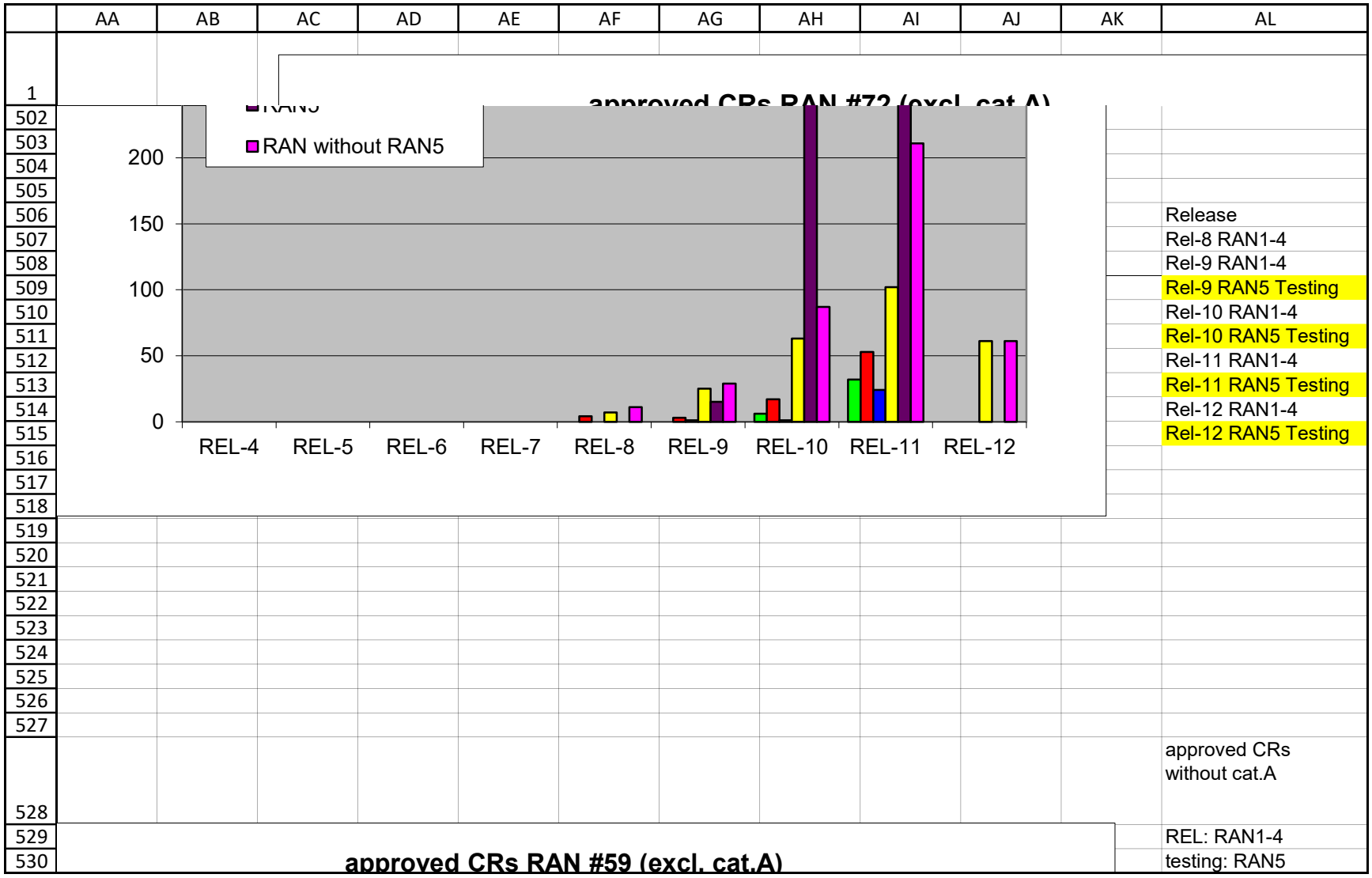
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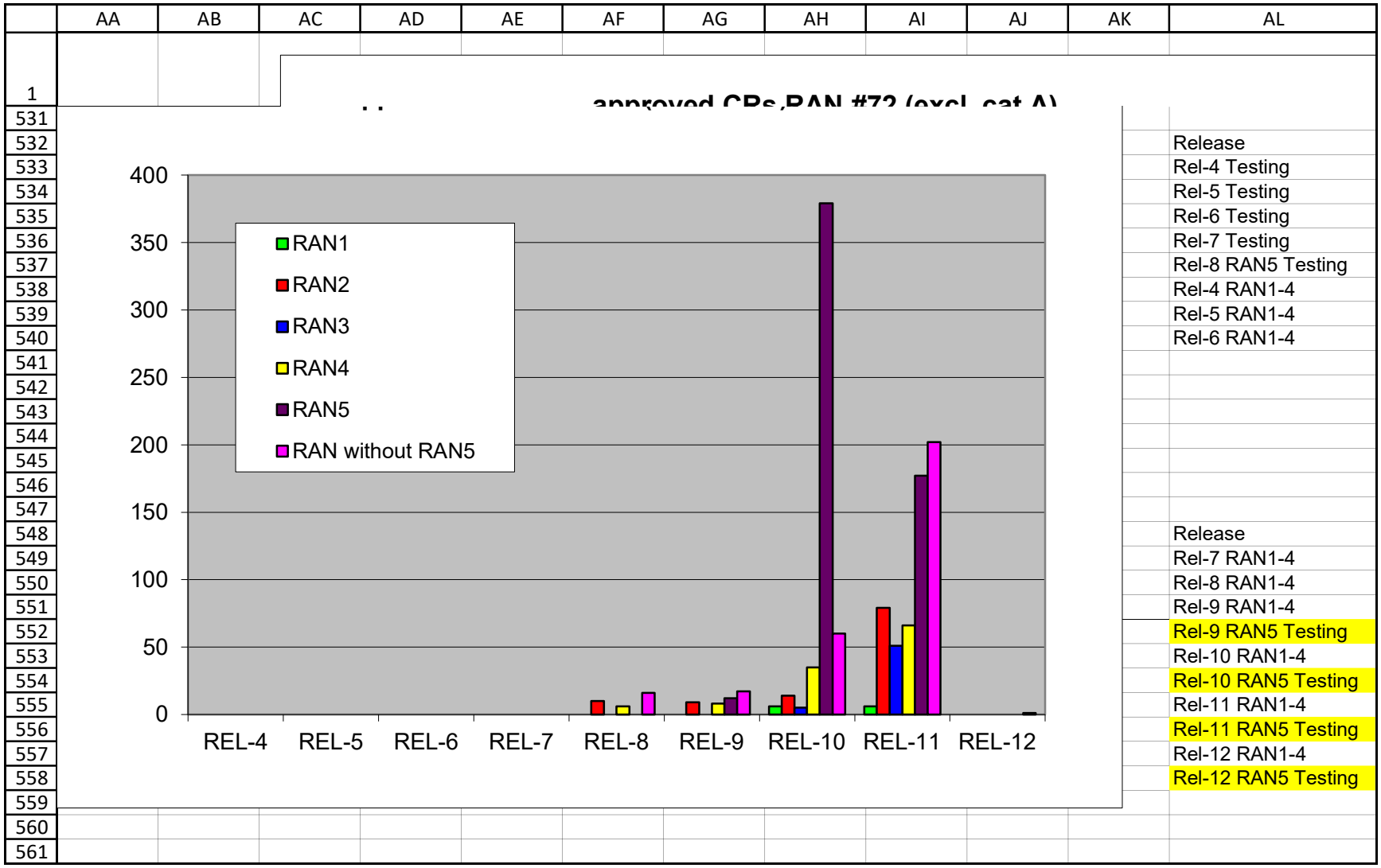
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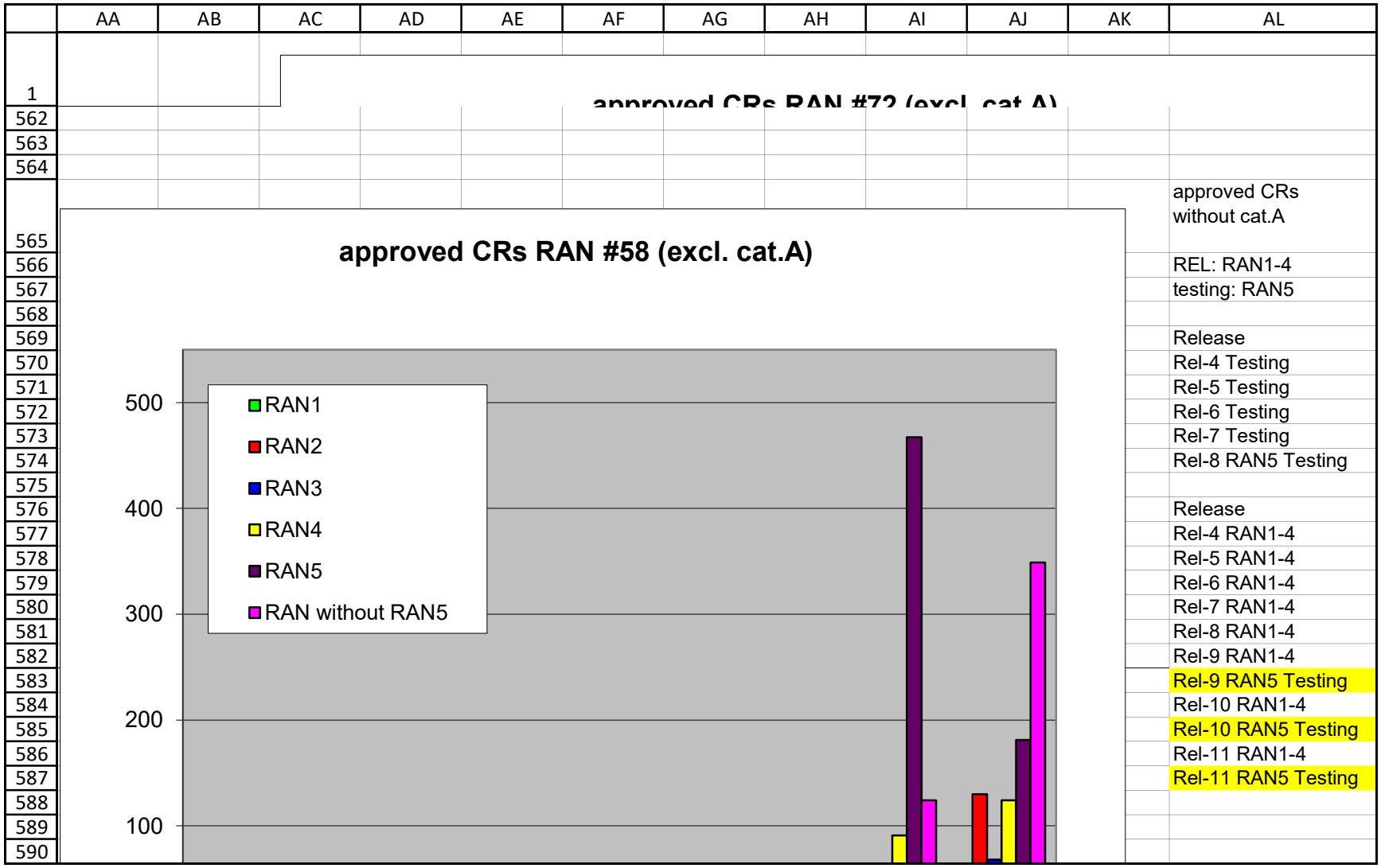
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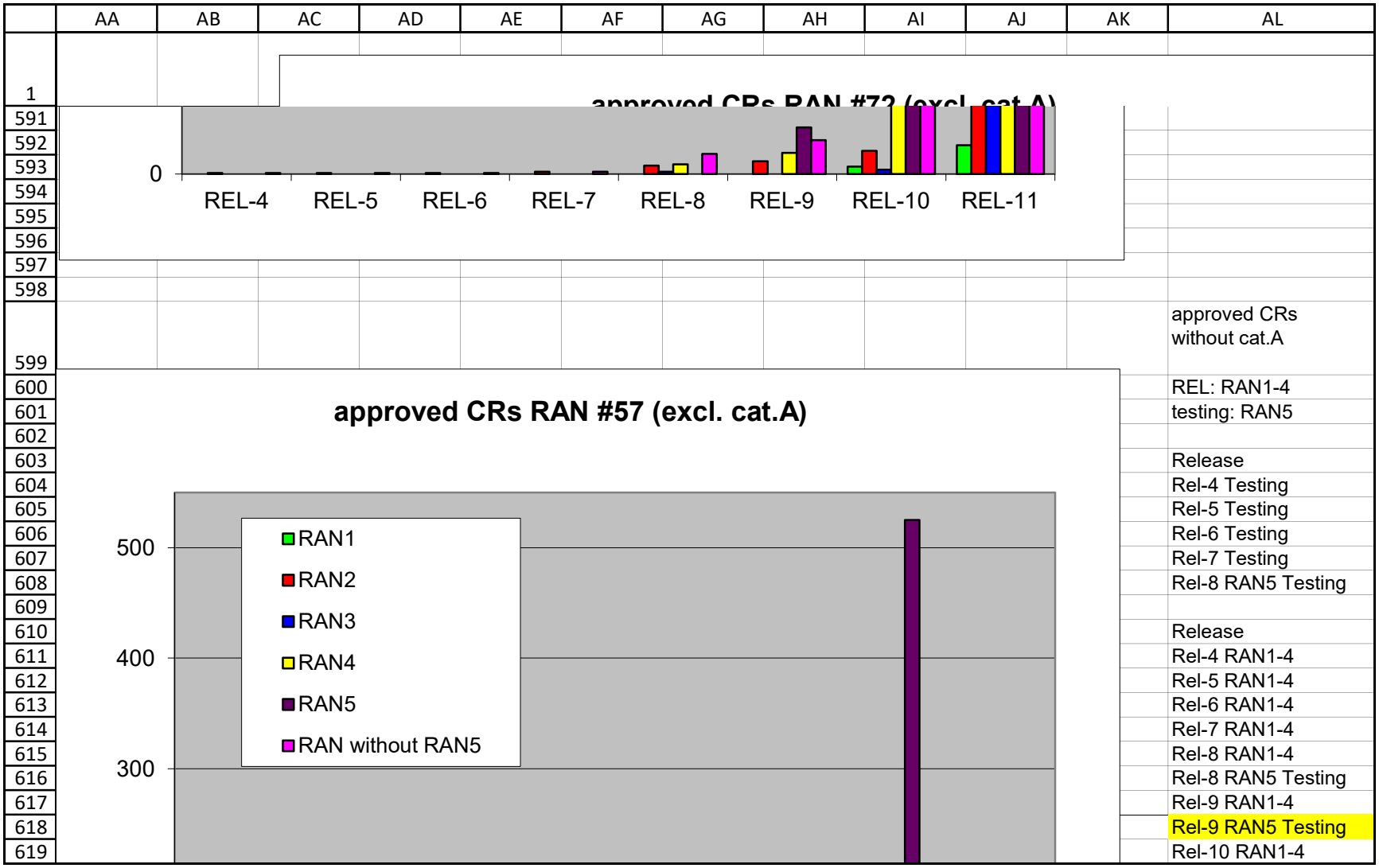
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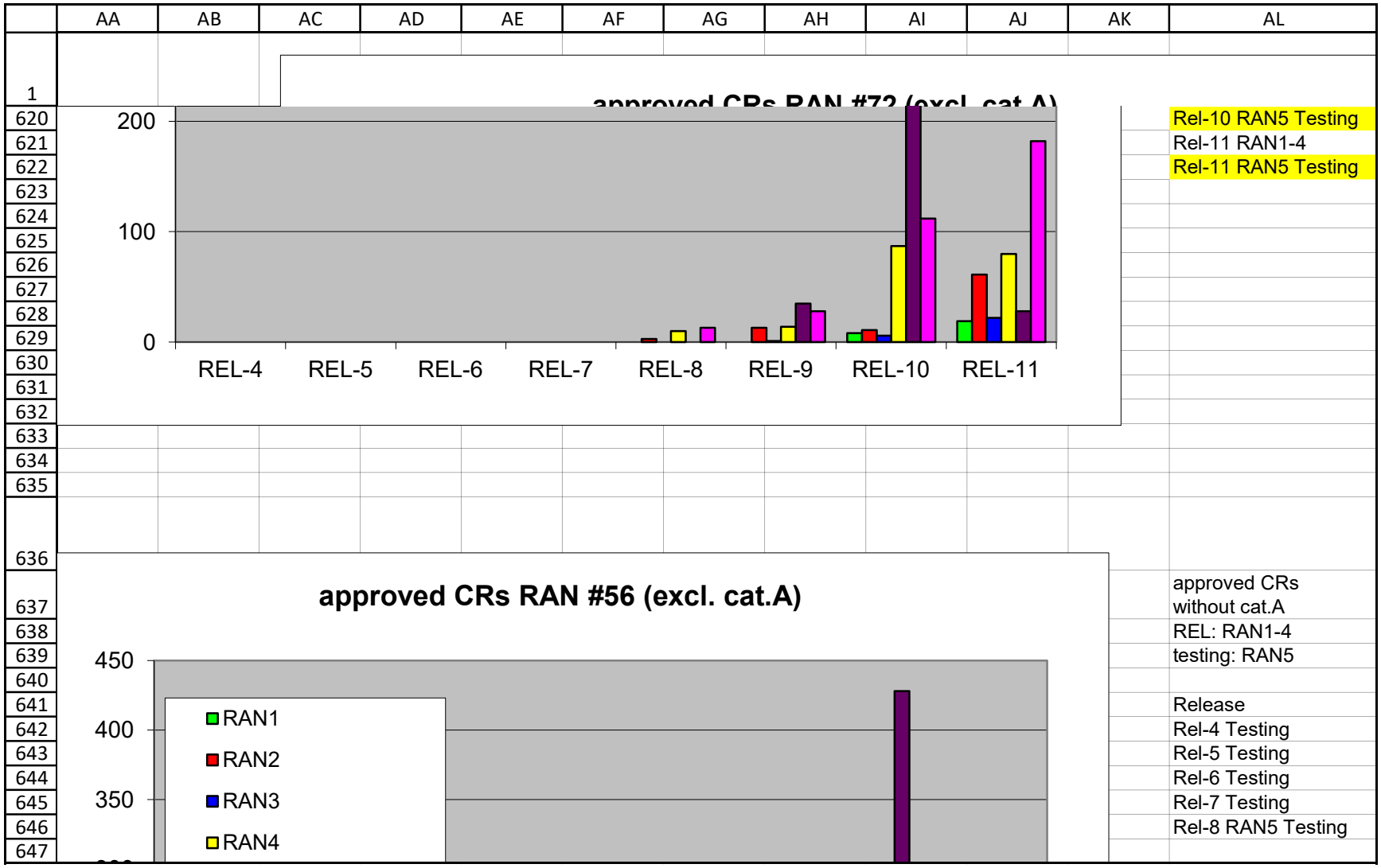
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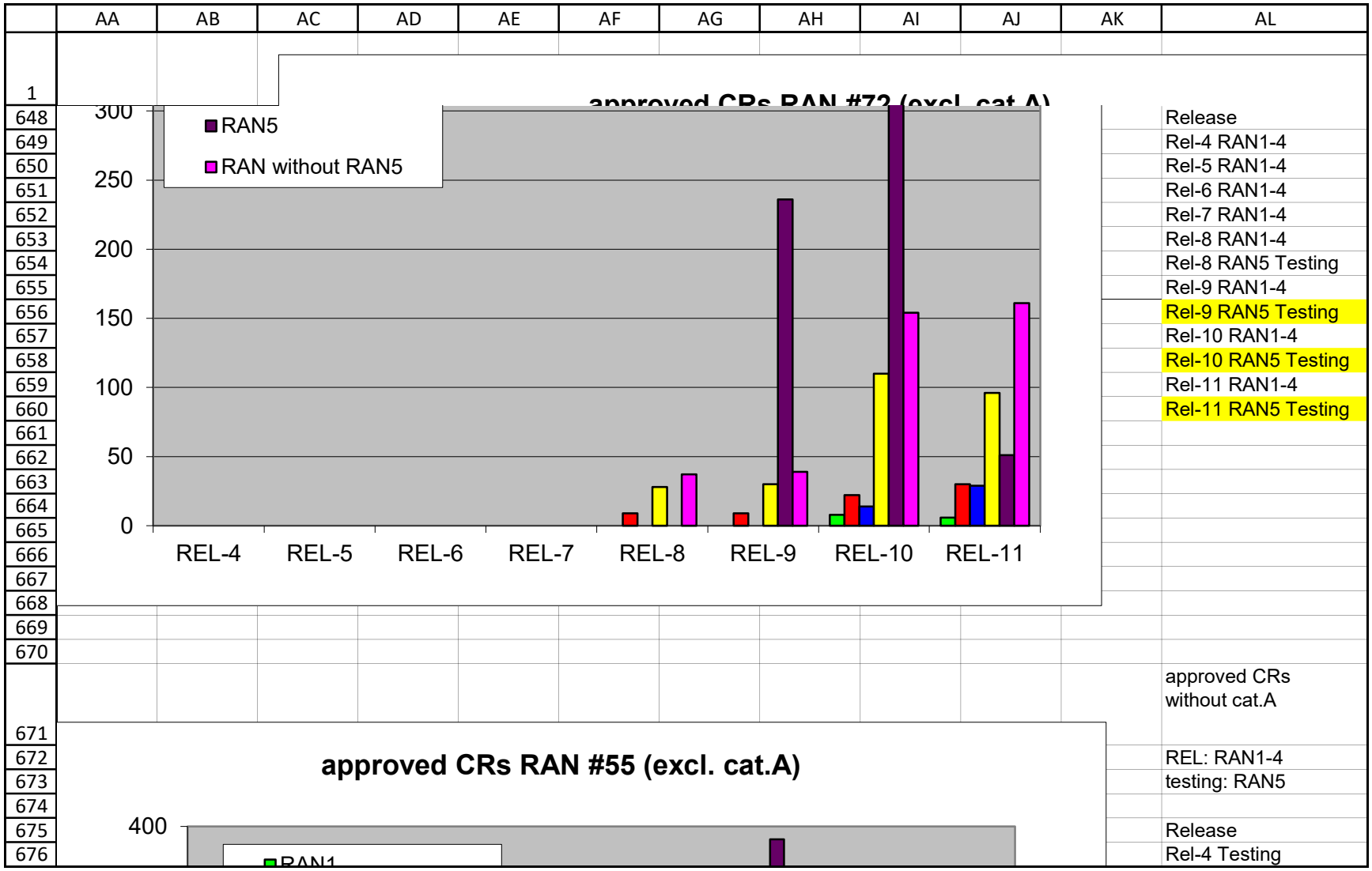
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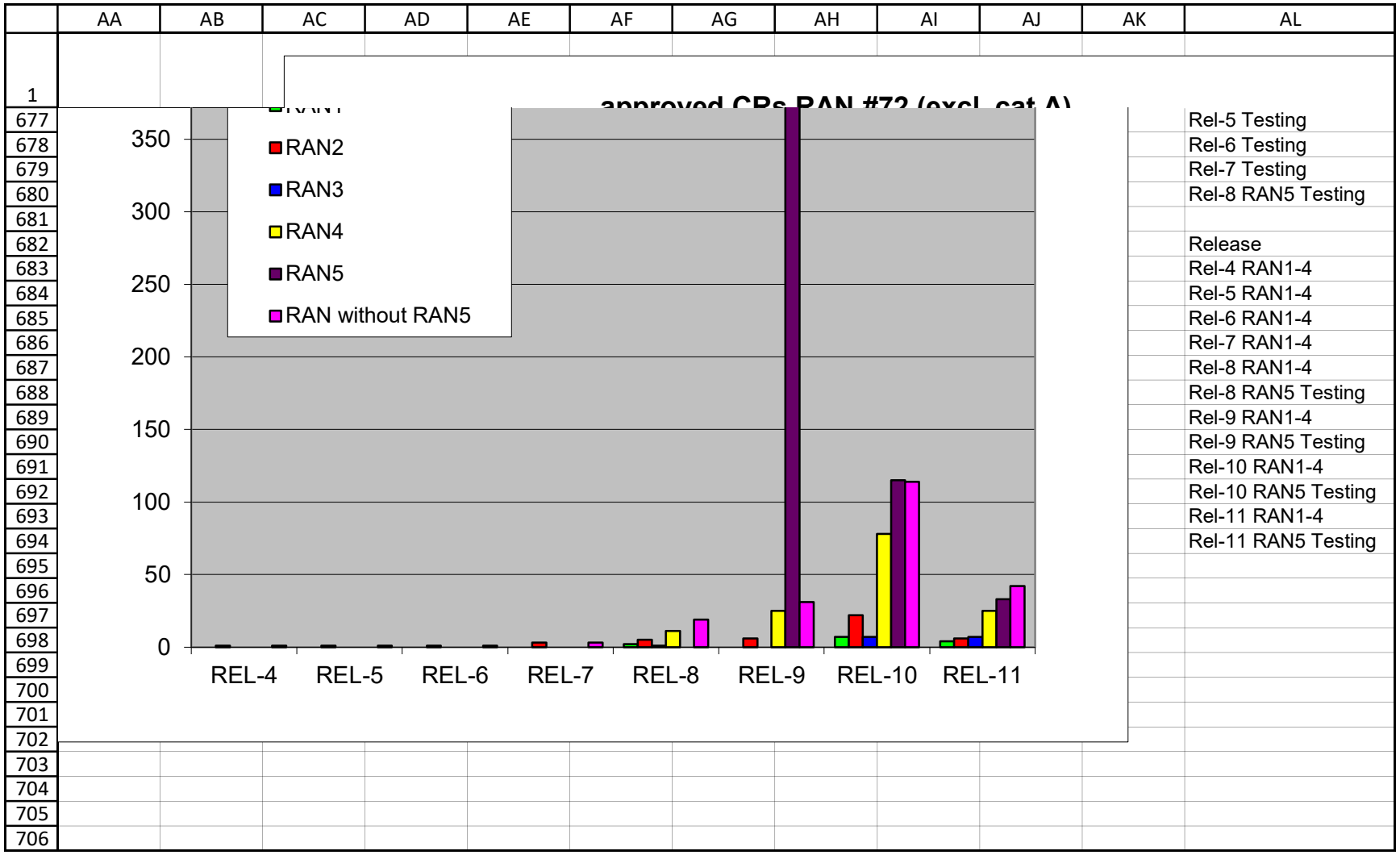
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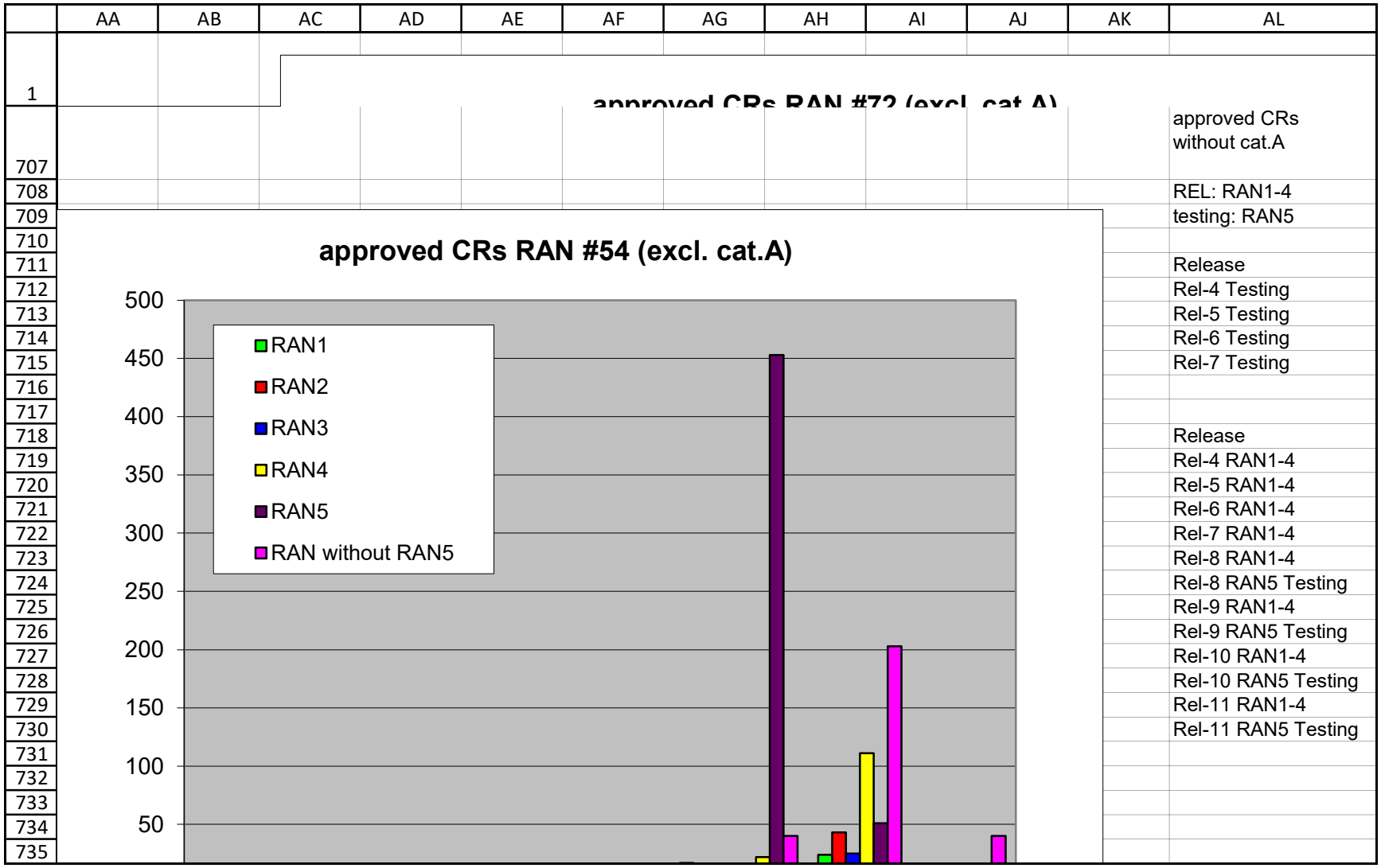
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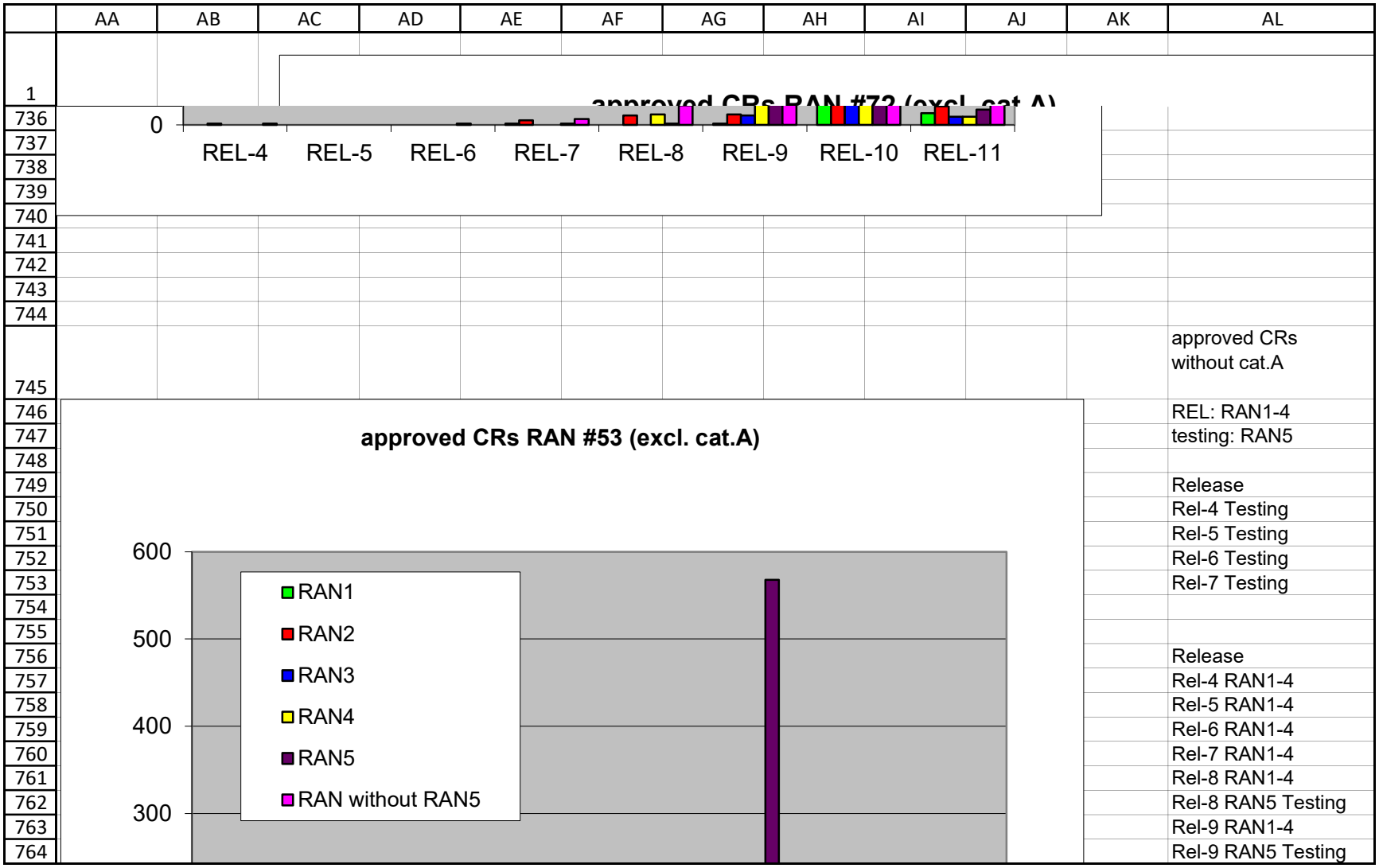
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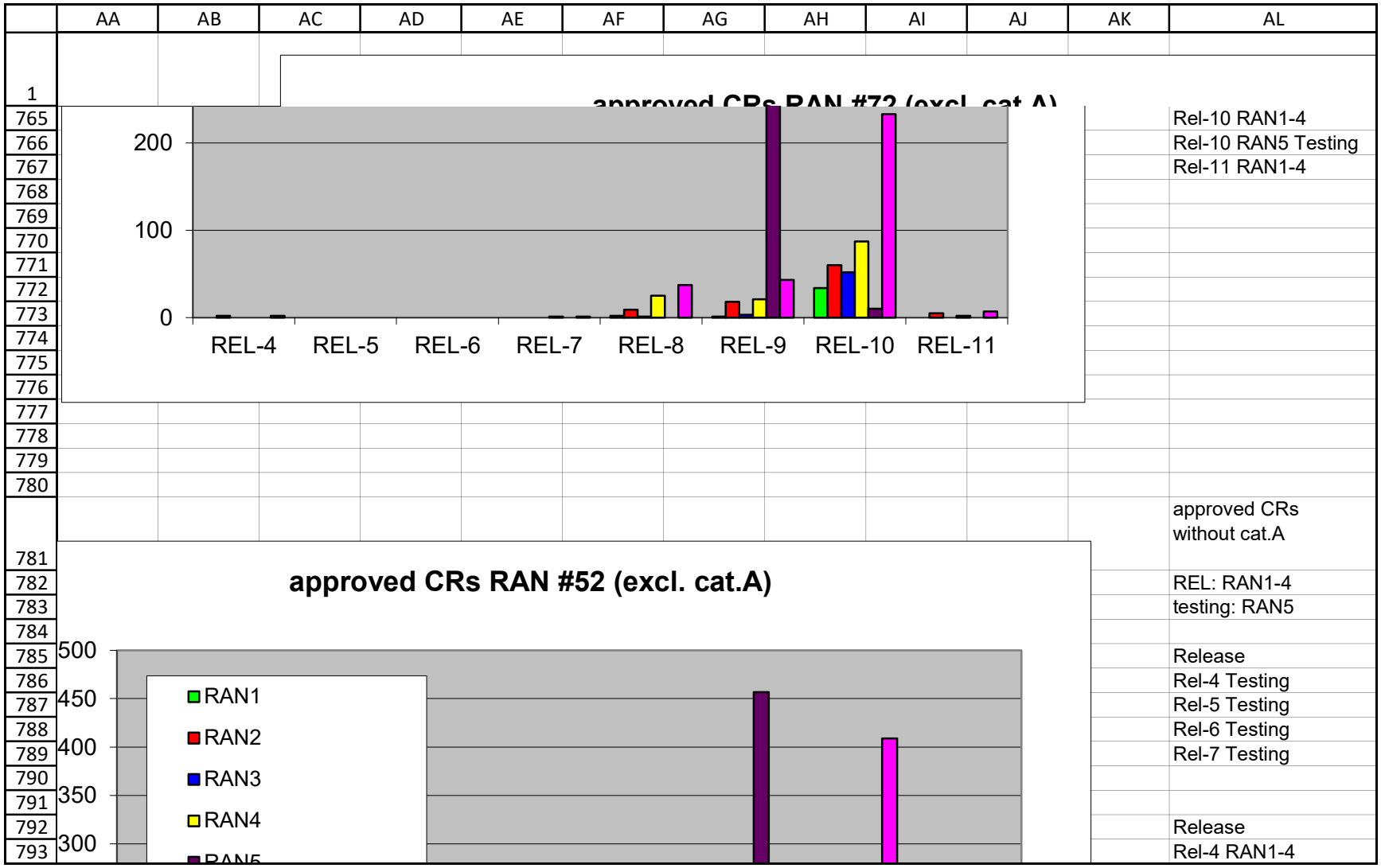
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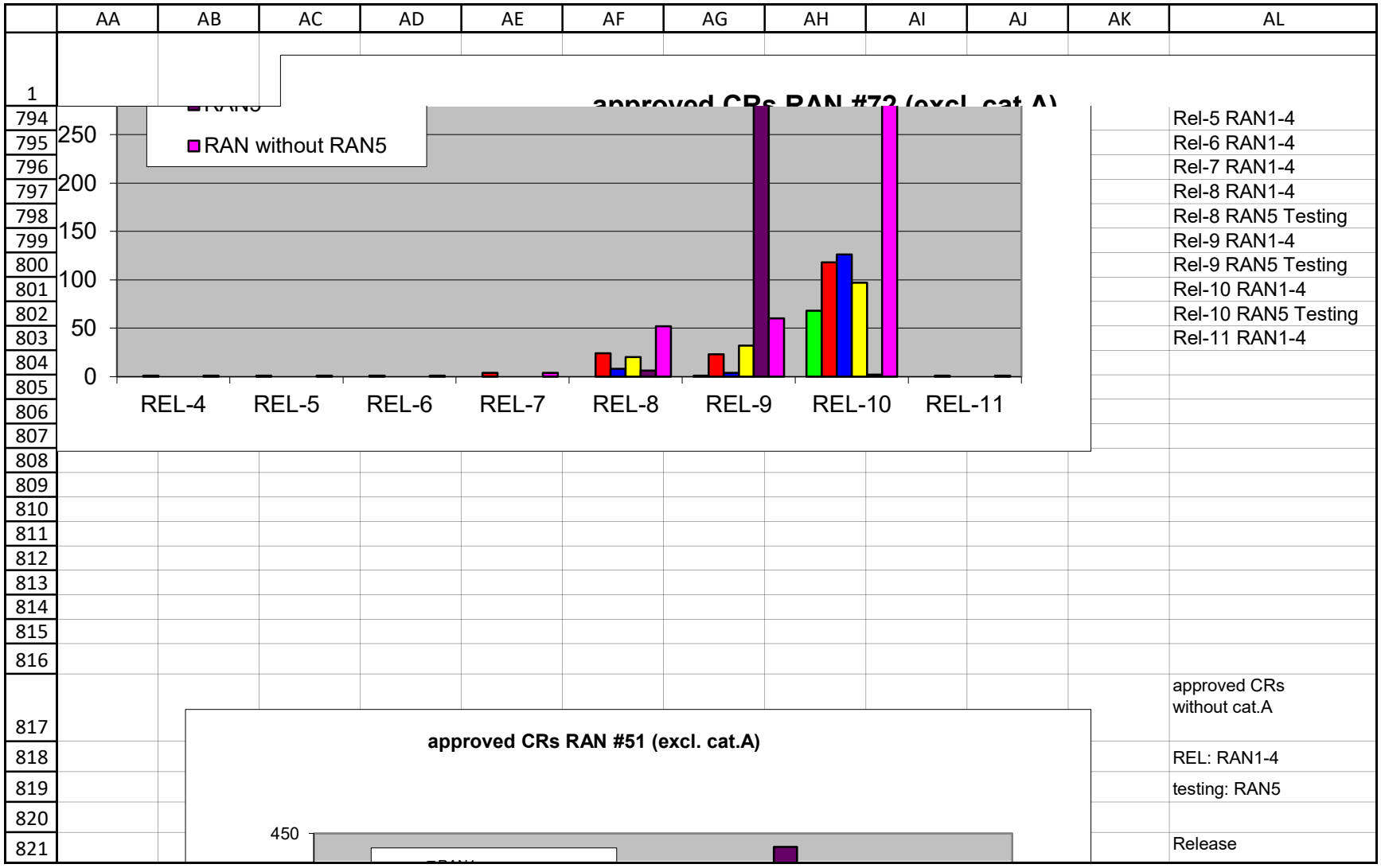
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Rel-6 Testing
Rel-7 Testing

Release
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Rel-9 RAN1-4
Rel-9 RAN5 Testing

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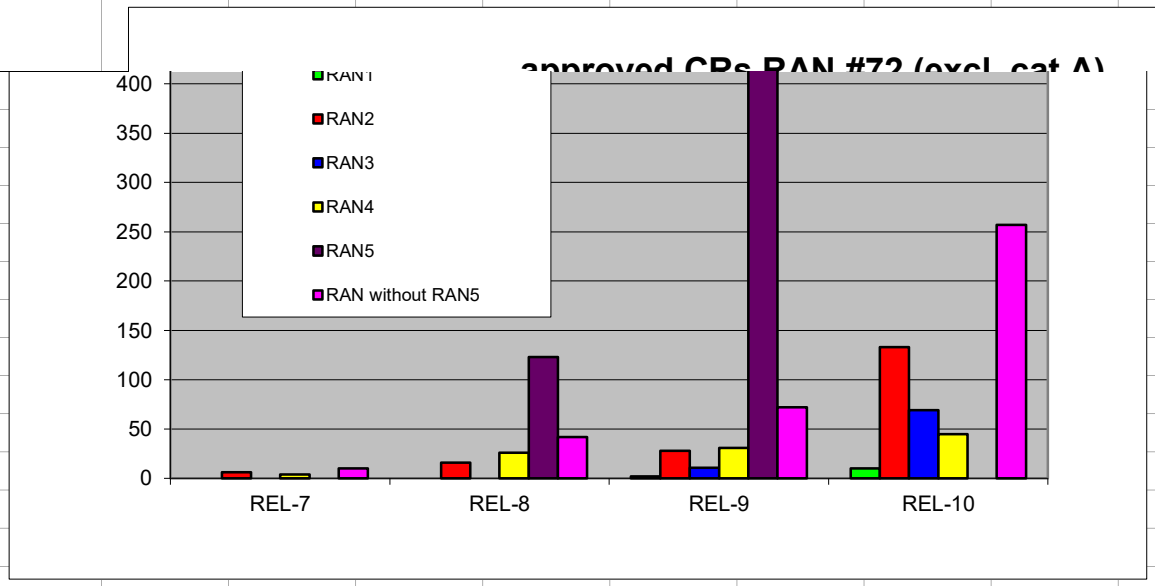


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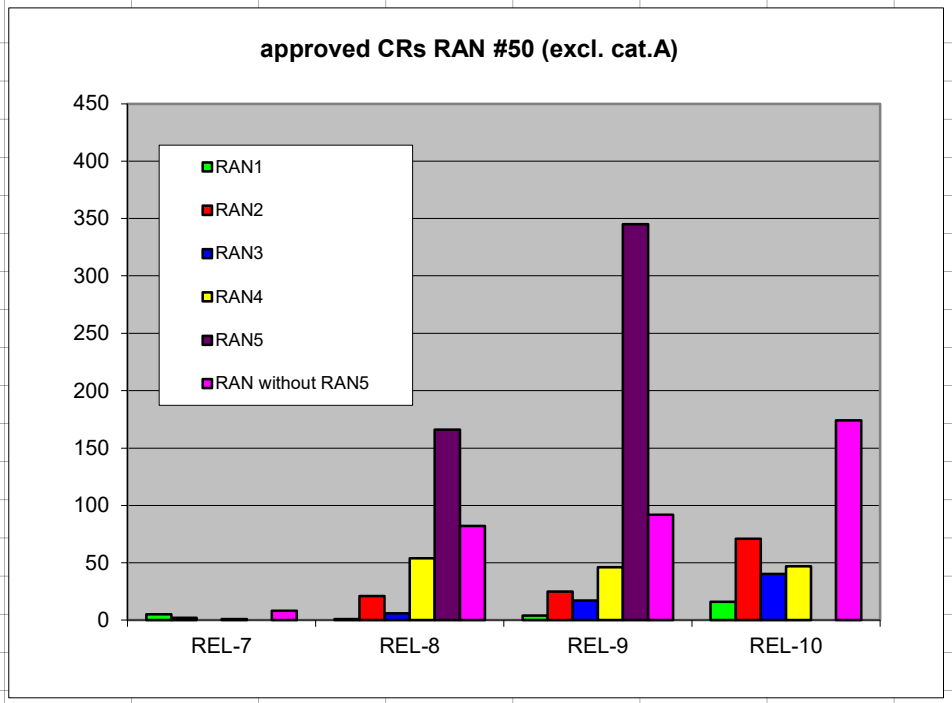


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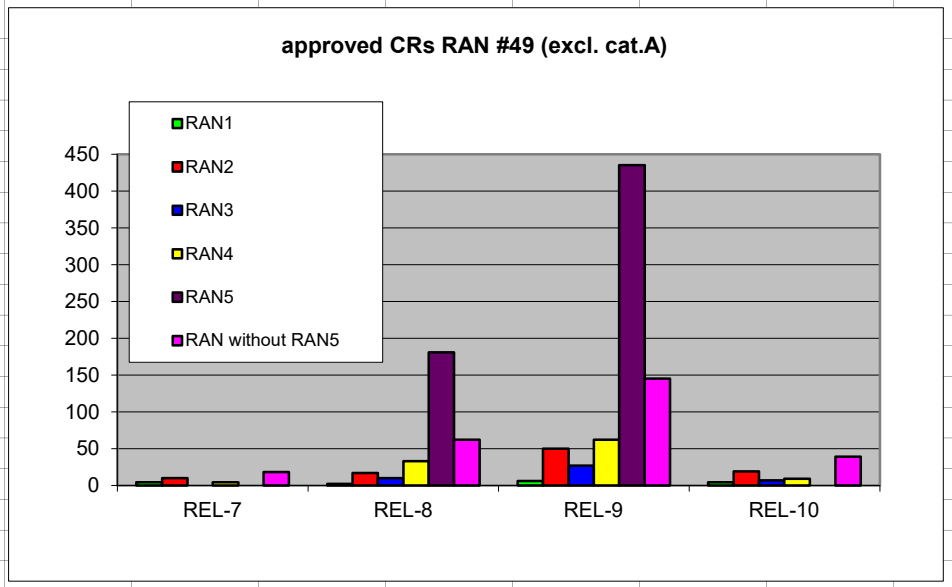


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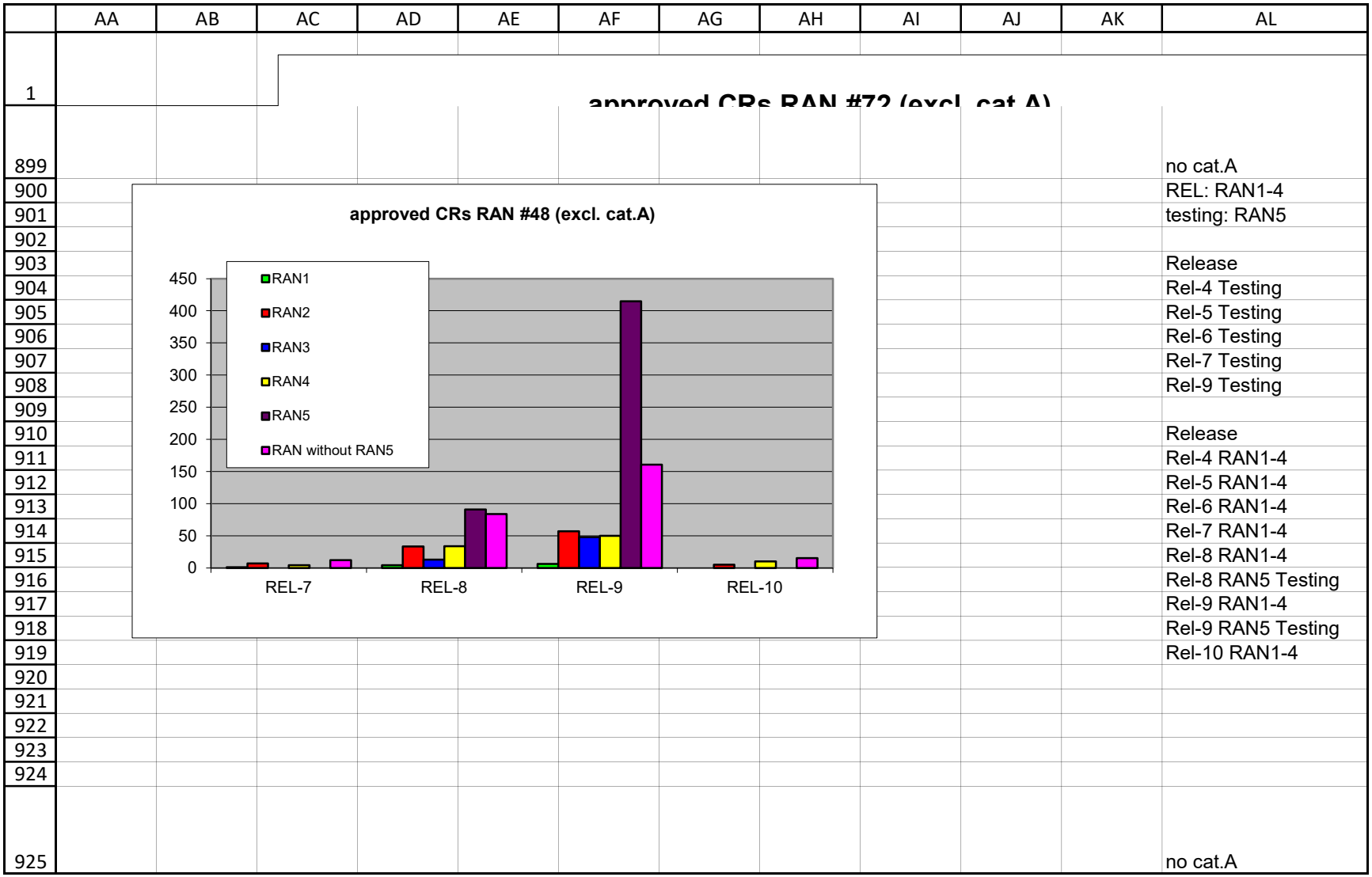
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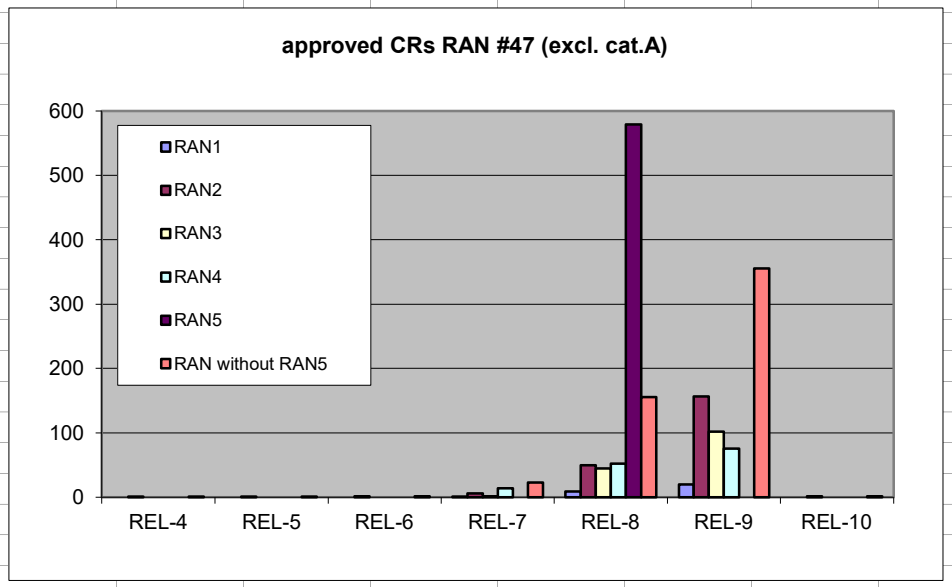
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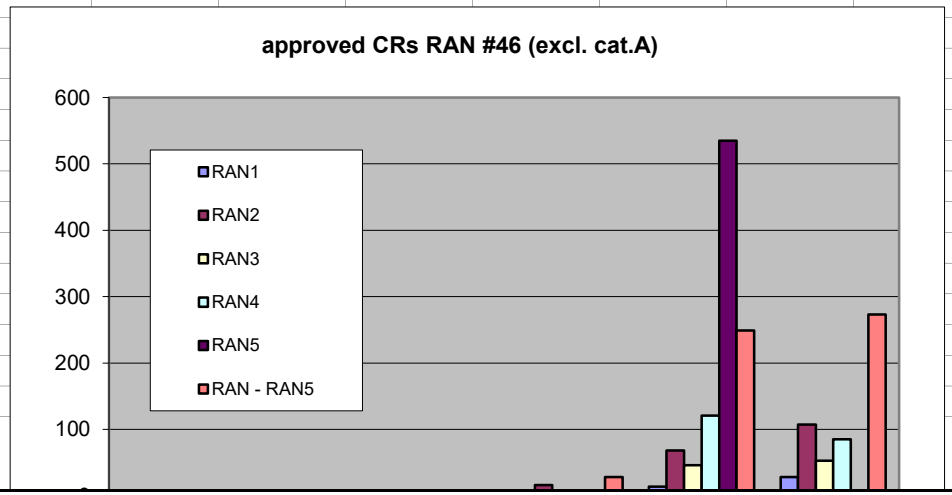
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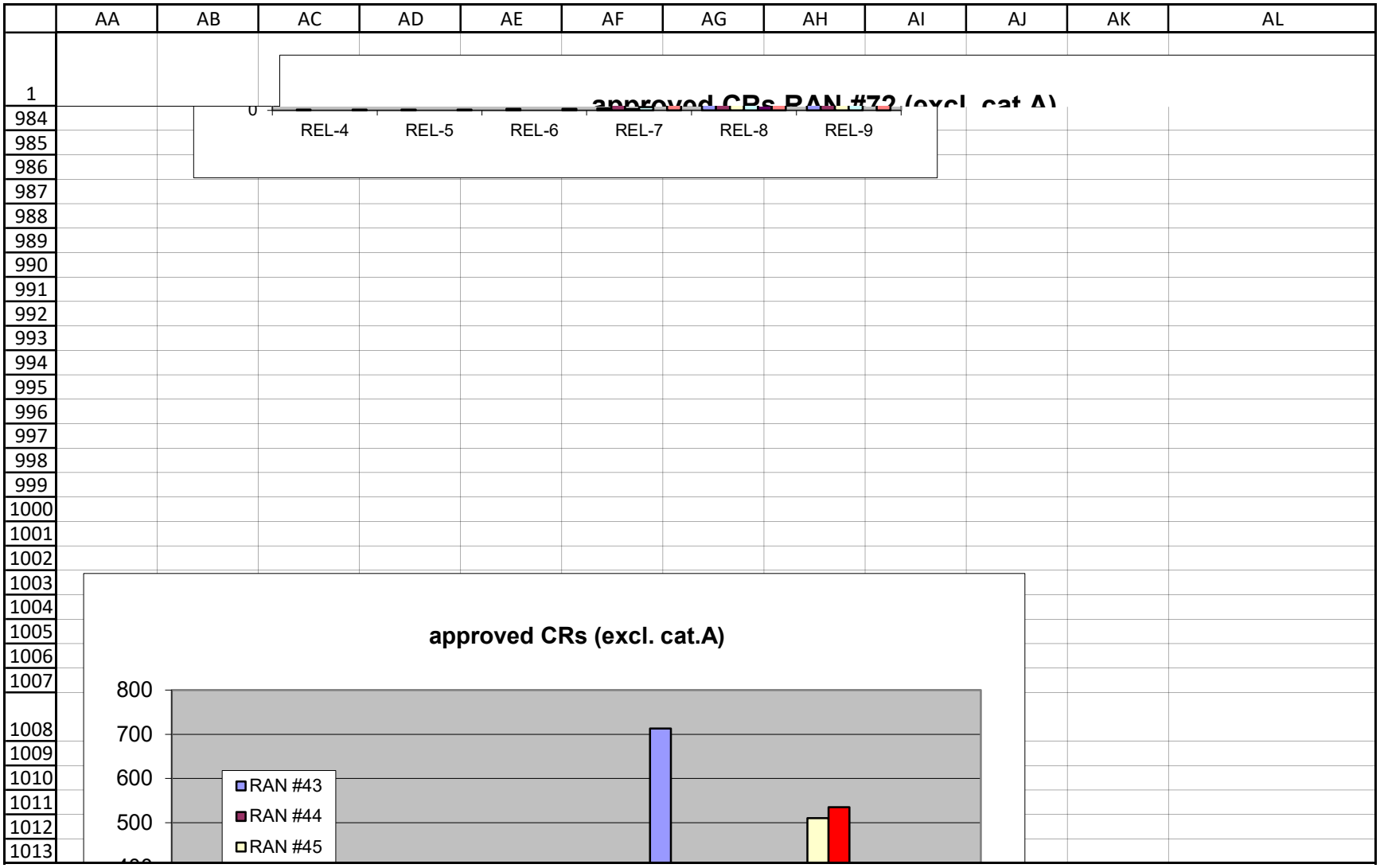


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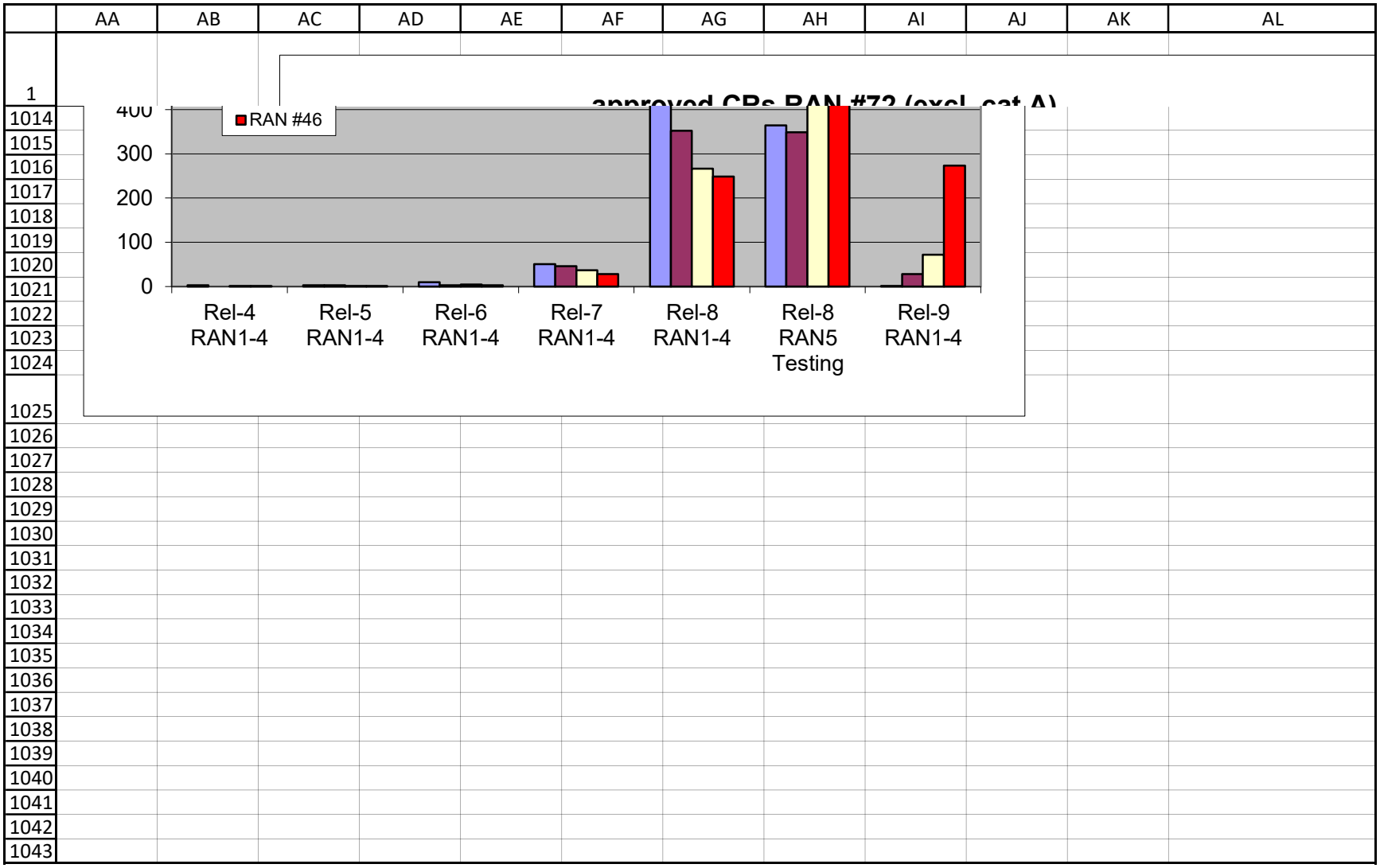
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Case No. IPR2025-00036; U.S. Patent No. 11,627,631
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	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX
1												
32												
33												
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35												
36												
37	14											
38												
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41												
42												
43												
44												
45												
46	RAN #71											
47												
48												
49												
50	RAN#43	RAN #44	RAN #45	RAN #46	RAN #47	RAN #48	RAN #49	RAN #50	RAN #51	RAN #52	RAN #53	RAN #54
51	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	1
54	0	0	0	0	0	0	0	0	0	0	0	1
55	364	349	510	535	579	91	181	166	123	6	0	1
56	0	0	0	0	0	415	435	345	433	457	568	453
57	3	0	1	1	1	0	0	0	0	1	2	1
58	3	3	1	1	1	0	0	0	1	1	0	0
59	10	3	5	3	2	0	0	0	1	1	0	0
60	51	46	37	28	23	12	18	8	10	4	1	5

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Case No. IPR2025-00036; U.S. Patent No. 11,627,631
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	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX
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61	713	352	266	249	156	84	62	82	42	52	37	17
62	1	28	72	273	355	161	145	92	72	60	43	40
63												
64												
65				REL-9 freeze					REL-10 freeze			
66	RAN #43	RAN #44	RAN #45	RAN #46	RAN #47	RAN #48	RAN #49	RAN #50	RAN #51	RAN #52	RAN #53	RAN #54
67	0	0	0	0	2	15	39	174	257	409	233	203
68	0	0	0	0	0	0	0	0	0	2	10	51
69	0	0	0	0	0	0	0	0	0	1	7	40
70	0	0	0	0	0	0	0	0	0	0	0	13
71	0	0	0	0	0	0	0	0	0	0	0	0
72	0	0	0	0	0	0	0	0	0	0	0	0
73	0	0	0	0	0	0	0	0	0	0	0	0
74	0	0	0	0	0	0	0	0	0	0	0	0
75												
76												
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89												
90												

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91	RAN #70											
92												
93												
94												
95	RAN#43	RAN #44	RAN #45	RAN #46	RAN #47	RAN #48	RAN #49	RAN #50	RAN #51	RAN #52	RAN #53	RAN #54
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97	0	0	0	0	0	0	0	0	0	0	0	0
98	0	0	0	0	0	0	0	0	0	0	0	1
99	0	0	0	0	0	0	0	0	0	0	0	1
100	364	349	510	535	579	91	181	166	123	6	0	1
101	0	0	0	0	0	415	435	345	433	457	568	453
102	3	0	1	1	1	0	0	0	0	1	2	1
103	3	3	1	1	1	0	0	0	1	1	0	0
104	10	3	5	3	2	0	0	0	1	1	0	0
105	51	46	37	28	23	12	18	8	10	4	1	5
106	713	352	266	249	156	84	62	82	42	52	37	17
107	1	28	72	273	355	161	145	92	72	60	43	40
108												
109												
110												
111	RAN #43	RAN #44	RAN #45	RAN #46	RAN #47	RAN #48	RAN #49	RAN #50	RAN #51	RAN #52	RAN #53	RAN #54
112	0	0	0	0	2	15	39	174	257	409	233	203
113	0	0	0	0	0	0	0	0	0	2	10	51
114	0	0	0	0	0	0	0	0	0	1	7	40
115	0	0	0	0	0	0	0	0	0	0	0	13

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116	0	0	0	0	0	0	0	0	0	0	0	0
117	0	0	0	0	0	0	0	0	0	0	0	0
118	0	0	0	0	0	0	0	0	0	0	0	0
119	0	0	0	0	0	0	0	0	0	0	0	0
120												
121												
122												
123												
124												
125												
126												
127												
128												
129												
130												
131												
132												
133												
134	RAN #69											
135												
136												
137												
138	RAN#43	RAN #44	RAN #45	RAN #46	RAN #47	RAN #48	RAN #49	RAN #50	RAN #51	RAN #52	RAN #53	RAN #54
139	0	0	0	0	0	0	0	0	0	0	0	0
140	0	0	0	0	0	0	0	0	0	0	0	0

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141	0	0	0	0	0	0	0	0	0	0	0	1
142	0	0	0	0	0	0	0	0	0	0	0	1
143	364	349	510	535	579	91	181	166	123	6	0	1
144	0	0	0	0	0	415	435	345	433	457	568	453
145	3	0	1	1	1	0	0	0	0	1	2	1
146	3	3	1	1	1	0	0	0	1	1	0	0
147	10	3	5	3	2	0	0	0	1	1	0	0
148	51	46	37	28	23	12	18	8	10	4	1	5
149	713	352	266	249	156	84	62	82	42	52	37	17
150	1	28	72	273	355	161	145	92	72	60	43	40
151												
152												
153												
154	RAN #43	RAN #44	RAN #45	RAN #46	RAN #47	RAN #48	RAN #49	RAN #50	RAN #51	RAN #52	RAN #53	RAN #54
155	0	0	0	0	2	15	39	174	257	409	233	203
156	0	0	0	0	0	0	0	0	0	2	10	51
157	0	0	0	0	0	0	0	0	0	1	7	40
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161	0	0	0	0	0	0	0	0	0	0	0	0
162	0	0	0	0	0	0	0	0	0	0	0	0
163												
164												
165												
166												
167												

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169												
170												
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172	RAN #68											
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174												
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176	RAN#43	RAN #44	RAN #45	RAN #46	RAN #47	RAN #48	RAN #49	RAN #50	RAN #51	RAN #52	RAN #53	RAN #54
177	0	0	0	0	0	0	0	0	0	0	0	0
178	0	0	0	0	0	0	0	0	0	0	0	0
179	0	0	0	0	0	0	0	0	0	0	0	1
180	0	0	0	0	0	0	0	0	0	0	0	1
181	364	349	510	535	579	91	181	166	123	6	0	1
182	0	0	0	0	0	415	435	345	433	457	568	453
183	3	0	1	1	1	0	0	0	0	1	2	1
184	3	3	1	1	1	0	0	0	1	1	0	0
185	10	3	5	3	2	0	0	0	1	1	0	0
186	51	46	37	28	23	12	18	8	10	4	1	5
187	713	352	266	249	156	84	62	82	42	52	37	17
188	1	28	72	273	355	161	145	92	72	60	43	40
189												
190												
191												
192	RAN #43	RAN #44	RAN #45	RAN #46	RAN #47	RAN #48	RAN #49	RAN #50	RAN #51	RAN #52	RAN #53	RAN #54

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	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX
1												
193	0	0	0	0	2	15	39	174	257	409	233	203
194	0	0	0	0	0	0	0	0	0	2	10	51
195	0	0	0	0	0	0	0	0	0	1	7	40
196	0	0	0	0	0	0	0	0	0	0	0	13
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199	0	0	0	0	0	0	0	0	0	0	0	0
200												
201												
202												
203												
204												
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212												
213	RAN #67											
214												
215												
216												
217	RAN#43	RAN #44	RAN #45	RAN #46	RAN #47	RAN #48	RAN #49	RAN #50	RAN #51	RAN #52	RAN #53	RAN #54
218	0	0	0	0	0	0	0	0	0	0	0	0

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	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX
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219	0	0	0	0	0	0	0	0	0	0	0	0
220	0	0	0	0	0	0	0	0	0	0	0	1
221	0	0	0	0	0	0	0	0	0	0	0	1
222	364	349	510	535	579	91	181	166	123	6	0	1
223	0	0	0	0	0	415	435	345	433	457	568	453
224	3	0	1	1	1	0	0	0	0	1	2	1
225	3	3	1	1	1	0	0	0	1	1	0	0
226	10	3	5	3	2	0	0	0	1	1	0	0
227	51	46	37	28	23	12	18	8	10	4	1	5
228	713	352	266	249	156	84	62	82	42	52	37	17
229	1	28	72	273	355	161	145	92	72	60	43	40
230												
231												
232												
233	RAN #43	RAN #44	RAN #45	RAN #46	RAN #47	RAN #48	RAN #49	RAN #50	RAN #51	RAN #52	RAN #53	RAN #54
234	0	0	0	0	2	15	39	174	257	409	233	203
235	0	0	0	0	0	0	0	0	0	2	10	51
236	0	0	0	0	0	0	0	0	0	1	7	40
237	0	0	0	0	0	0	0	0	0	0	0	13
238	0	0	0	0	0	0	0	0	0	0	0	0
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240	0	0	0	0	0	0	0	0	0	0	0	0
241												
242												
243												
244												
245												

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	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX
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246												
247												
248												
249	RAN #66											
250												
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253	RAN#43	RAN #44	RAN #45	RAN #46	RAN #47	RAN #48	RAN #49	RAN #50	RAN #51	RAN #52	RAN #53	RAN #54
254	0	0	0	0	0	0	0	0	0	0	0	0
255	0	0	0	0	0	0	0	0	0	0	0	0
256	0	0	0	0	0	0	0	0	0	0	0	1
257	0	0	0	0	0	0	0	0	0	0	0	1
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259	0	0	0	0	0	415	435	345	433	457	568	453
260	3	0	1	1	1	0	0	0	0	1	2	1
261	3	3	1	1	1	0	0	0	1	1	0	0
262	10	3	5	3	2	0	0	0	1	1	0	0
263	51	46	37	28	23	12	18	8	10	4	1	5
264												
265												
266												
267												
268												
269	RAN #43	RAN #44	RAN #45	RAN #46	RAN #47	RAN #48	RAN #49	RAN #50	RAN #51	RAN #52	RAN #53	RAN #54
270	713	352	266	249	156	84	62	82	42	52	37	17

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	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX
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271	1	28	72	273	355	161	145	92	72	60	43	40
272	0	0	0	0	2	15	39	174	257	409	233	203
273	0	0	0	0	0	0	0	0	0	2	10	51
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275	0	0	0	0	0	0	0	0	0	0	0	13
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277	0	0	0	0	0	0	0	0	0	0	0	0
278	0	0	0	0	0	0	0	0	0	0	0	0
279												
280												
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282	RAN #65											
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286	RAN#43	RAN #44	RAN #45	RAN #46	RAN #47	RAN #48	RAN #49	RAN #50	RAN #51	RAN #52	RAN #53	RAN #54
287	0	0	0	0	0	0	0	0	0	0	0	0
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289	0	0	0	0	0	0	0	0	0	0	0	1
290	0	0	0	0	0	0	0	0	0	0	0	1
291	364	349	510	535	579	91	181	166	123	6	0	1
292	0	0	0	0	0	415	435	345	433	457	568	453
293	3	0	1	1	1	0	0	0	0	1	2	1
294	3	3	1	1	1	0	0	0	1	1	0	0
295	10	3	5	3	2	0	0	0	1	1	0	0
296	51	46	37	28	23	12	18	8	10	4	1	5

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298												
299												
300												
301												
302	RAN #43	RAN #44	RAN #45	RAN #46	RAN #47	RAN #48	RAN #49	RAN #50	RAN #51	RAN #52	RAN #53	RAN #54
303	713	352	266	249	156	84	62	82	42	52	37	17
304	1	28	72	273	355	161	145	92	72	60	43	40
305	0	0	0	0	2	15	39	174	257	409	233	203
306	0	0	0	0	0	0	0	0	0	2	10	51
307	0	0	0	0	0	0	0	0	0	1	7	40
308	0	0	0	0	0	0	0	0	0	0	0	13
309	0	0	0	0	0	0	0	0	0	0	0	0
310	0	0	0	0	0	0	0	0	0	0	0	0
311												
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325												

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330	RAN#43	RAN #44	RAN #45	RAN #46	RAN #47	RAN #48	RAN #49	RAN #50	RAN #51	RAN #52	RAN #53	RAN #54
331	0	0	0	0	0	0	0	0	0	0	0	0
332	0	0	0	0	0	0	0	0	0	0	0	0
333	0	0	0	0	0	0	0	0	0	0	0	1
334	0	0	0	0	0	0	0	0	0	0	0	1
335	364	349	510	535	579	91	181	166	123	6	0	1
336	0	0	0	0	0	415	435	345	433	457	568	453
337	3	0	1	1	1	0	0	0	0	1	2	1
338	3	3	1	1	1	0	0	0	1	1	0	0
339	10	3	5	3	2	0	0	0	1	1	0	0
340	51	46	37	28	23	12	18	8	10	4	1	5
341												
342												
343												
344												
345												
346	RAN #43	RAN #44	RAN #45	RAN #46	RAN #47	RAN #48	RAN #49	RAN #50	RAN #51	RAN #52	RAN #53	RAN #54
347	713	352	266	249	156	84	62	82	42	52	37	17
348	1	28	72	273	355	161	145	92	72	60	43	40
349	0	0	0	0	2	15	39	174	257	409	233	203
350	0	0	0	0	0	0	0	0	0	2	10	51
351	0	0	0	0	0	0	0	0	0	1	7	40
352	0	0	0	0	0	0	0	0	0	0	0	13
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354	0	0	0	0	0	0	0	0	0	0	0	0

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366	RAN #63											
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370	RAN#43	RAN #44	RAN #45	RAN #46	RAN #47	RAN #48	RAN #49	RAN #50	RAN #51	RAN #52	RAN #53	RAN #54
371	0	0	0	0	0	0	0	0	0	0	0	0
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374	0	0	0	0	0	0	0	0	0	0	0	1
375	364	349	510	535	579	91	181	166	123	6	0	1
376	3	0	1	1	1	0	0	0	0	1	2	1
377	3	3	1	1	1	0	0	0	1	1	0	0
378	10	3	5	3	2	0	0	0	1	1	0	0
379	51	46	37	28	23	12	18	8	10	4	1	5
380												
381												
382												
383												

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Case No. IPR2025-00036; U.S. Patent No. 11,627,631
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387	713	352	266	249	156	84	62	82	42	52	37	17
388	1	28	72	273	355	161	145	92	72	60	43	40
389	0	0	0	0	0	415	435	345	433	457	568	453
390	0	0	0	0	2	15	39	174	257	409	233	203
391	0	0	0	0	0	0	0	0	0	2	10	51
392	0	0	0	0	0	0	0	0	0	1	7	40
393	0	0	0	0	0	0	0	0	0	0	0	13
394	0	0	0	0	0	0	0	0	0	0	0	0
395	0	0	0	0	0	0	0	0	0	0	0	0
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397												
398												
399												
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401												
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403												
404												
405												
406	RAN #62											
407												
408												
409												
410	RAN#43	RAN #44	RAN #45	RAN #46	RAN #47	RAN #48	RAN #49	RAN #50	RAN #51	RAN #52	RAN #53	RAN #54
411	0	0	0	0	0	0	0	0	0	0	0	0
412	0	0	0	0	0	0	0	0	0	0	0	0

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414	0	0	0	0	0	0	0	0	0	0	0	1
415	364	349	510	535	579	91	181	166	123	6	0	1
416	3	0	1	1	1	0	0	0	0	1	2	1
417	3	3	1	1	1	0	0	0	1	1	0	0
418	10	3	5	3	2	0	0	0	1	1	0	0
419	51	46	37	28	23	12	18	8	10	4	1	5
420												
421												
422												
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427	713	352	266	249	156	84	62	82	42	52	37	17
428	1	28	72	273	355	161	145	92	72	60	43	40
429	0	0	0	0	0	415	435	345	433	457	568	453
430	0	0	0	0	2	15	39	174	257	409	233	203
431	0	0	0	0	0	0	0	0	0	2	10	51
432	0	0	0	0	0	0	0	0	0	1	7	40
433	0	0	0	0	0	0	0	0	0	0	0	13
434	0	0	0	0	0	0	0	0	0	0	0	0
435	0	0	0	0	0	0	0	0	0	0	0	0
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437												
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Case No. IPR2025-00036; U.S. Patent No. 11,627,631
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446	RAN #61											
447												
448												
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455	364	349	510	535	579	91	181	166	123	6	0	1
456	3	0	1	1	1	0	0	0	0	1	2	1
457	3	3	1	1	1	0	0	0	1	1	0	0
458	10	3	5	3	2	0	0	0	1	1	0	0
459	51	46	37	28	23	12	18	8	10	4	1	5
460												
461												
462												
463												
464												
465												
466	RAN #43	RAN #44	RAN #45	RAN #46	RAN #47	RAN #48	RAN #49	RAN #50	RAN #51	RAN #52	RAN #53	RAN #54
467	713	352	266	249	156	84	62	82	42	52	37	17
468	1	28	72	273	355	161	145	92	72	60	43	40
469	0	0	0	0	0	415	435	345	433	457	568	453
470	0	0	0	0	2	15	39	174	257	409	233	203
471	0	0	0	0	0	0	0	0	0	2	10	51
472	0	0	0	0	0	0	0	0	0	1	7	40

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Case No. IPR2025-00036; U.S. Patent No. 11,627,631
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475	0	0	0	0	0	0	0	0	0	0	0	0
476												
477												
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486	RAN #60											
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493	0	0	0	0	0	0	0	0	0	0	0	1
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496	3	0	1	1	1	0	0	0	0	1	2	1
497	3	3	1	1	1	0	0	0	1	1	0	0
498	10	3	5	3	2	0	0	0	1	1	0	0
499	51	46	37	28	23	12	18	8	10	4	1	5
500												
501												

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503												
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505												
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508	1	28	72	273	355	161	145	92	72	60	43	40
509	0	0	0	0	0	415	435	345	433	457	568	453
510	0	0	0	0	2	15	39	174	257	409	233	203
511	0	0	0	0	0	0	0	0	0	2	10	51
512	0	0	0	0	0	0	0	0	0	1	7	40
513	0	0	0	0	0	0	0	0	0	0	0	13
514	0	0	0	0	0	0	0	0	0	0	0	0
515	0	0	0	0	0	0	0	0	0	0	0	0
516												
517												
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525												
526												
527												
528	RAN #59											
529												
530												

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534	0	0	0	0	0	0	0	0	0	0	0	0
535	0	0	0	0	0	0	0	0	0	0	0	1
536	0	0	0	0	0	0	0	0	0	0	0	1
537	364	349	510	535	579	91	181	166	123	6	0	1
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540	10	3	5	3	2	0	0	0	1	1	0	0
541												
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543												
544												
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548	RAN #43	RAN #44	RAN #45	RAN #46	RAN #47	RAN #48	RAN #49	RAN #50	RAN #51	RAN #52	RAN #53	RAN #54
549	51	46	37	28	23	12	18	8	10	4	1	5
550	713	352	266	249	156	84	62	82	42	52	37	17
551	1	28	72	273	355	161	145	92	72	60	43	40
552	0	0	0	0	0	415	435	345	433	457	568	453
553	0	0	0	0	2	15	39	174	257	409	233	203
554	0	0	0	0	0	0	0	0	0	2	10	51
555	0	0	0	0	0	0	0	0	0	1	7	40
556	0	0	0	0	0	0	0	0	0	0	0	13
557	0	0	0	0	0	0	0	0	0	0	0	0
558	0	0	0	0	0	0	0	0	0	0	0	0
559												
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561												

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564												
565	RAN #58											
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573	0	0	0	0	0	0	0	0	0	0	0	1
574	364	349	510	535	579	91	181	166	123	6	0	1
575												
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578	3	3	1	1	1	0	0	0	1	1	0	0
579	10	3	5	3	2	0	0	0	1	1	0	0
580	51	46	37	28	23	12	18	8	10	4	1	5
581	713	352	266	249	156	84	62	82	42	52	37	17
582	1	28	72	273	355	161	145	92	72	60	43	40
583	0	0	0	0	0	415	435	345	433	457	568	453
584	0	0	0	0	2	15	39	174	257	409	233	203
585	0	0	0	0	0	0	0	0	0	2	10	51
586	0	0	0	0	0	0	0	0	0	1	7	40
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588												
589												
590												

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	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX
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599	RAN #57											
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607	0	0	0	0	0	0	0	0	0	0	0	1
608	364	349	510	535	579	91	181	166	123	6	0	1
609												
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612	3	3	1	1	1	0	0	0	1	1	0	0
613	10	3	5	3	2	0	0	0	1	1	0	0
614	51	46	37	28	23	12	18	8	10	4	1	5
615	713	352	266	249	156	84	62	82	42	52	37	17
616	364	349	510	535	579	91	181	166	123	6	0	1
617	1	28	72	273	355	161	145	92	72	60	43	40
618	0	0	0	0	0	415	435	345	433	457	568	453
619	0	0	0	0	2	15	39	174	257	409	233	203

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Case No. IPR2025-00036; U.S. Patent No. 11,627,631
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621	0	0	0	0	0	0	0	0	0	1	7	40
622	0	0	0	0	0	0	0	0	0	0	0	13
623												
624												
625												
626												
627												
628												
629												
630												
631												
632												
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641	RAN#43	RAN #44	RAN #45	RAN #46	RAN #47	RAN #48	RAN #49	RAN #50	RAN #51	RAN #52	RAN #53	RAN #54
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647												

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Case No. IPR2025-00036; U.S. Patent No. 11,627,631
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652	51	46	37	28	23	12	18	8	10	4	1	5
653	713	352	266	249	156	84	62	82	42	52	37	17
654	364	349	510	535	579	91	181	166	123	6	0	1
655	1	28	72	273	355	161	145	92	72	60	43	40
656	0	0	0	0	0	415	435	345	433	457	568	453
657	0	0	0	0	2	15	39	174	257	409	233	203
658	0	0	0	0	0	0	0	0	0	2	10	51
659	0	0	0	0	0	0	0	0	0	1	7	40
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661												
662												
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Case No. IPR2025-00036; U.S. Patent No. 11,627,631
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685	10	3	5	3	2	0	0	0	1	1	0	0
686	51	46	37	28	23	12	18	8	10	4	1	5
687	713	352	266	249	156	84	62	82	42	52	37	17
688	364	349	510	535	579	91	181	166	123	6	0	1
689	1	28	72	273	355	161	145	92	72	60	43	40
690	0	0	0	0	0	415	435	345	433	457	568	453
691	0	0	0	0	2	15	39	174	257	409	233	203
692	0	0	0	0	0	0	0	0	0	2	10	51
693	0	0	0	0	0	0	0	0	0	1	7	40
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Case No. IPR2025-00036; U.S. Patent No. 11,627,631
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722	51	46	37	28	23	12	18	8	10	4	1	5
723	713	352	266	249	156	84	62	82	42	52	37	17
724	364	349	510	535	579	91	181	166	123	6	0	1
725	1	28	72	273	355	161	145	92	72	60	43	40
726	0	0	0	0	0	415	435	345	433	457	568	453
727	0	0	0	0	2	15	39	174	257	409	233	203
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738												
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747												
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755												
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760	51	46	37	28	23	12	18	8	10	4	1	
761	713	352	266	249	156	84	62	82	42	52	37	
762	364	349	510	535	579	91	181	166	123	6	0	
763	1	28	72	273	355	161	145	92	72	60	43	
764	0	0	0	0	0	415	435	345	433	457	568	

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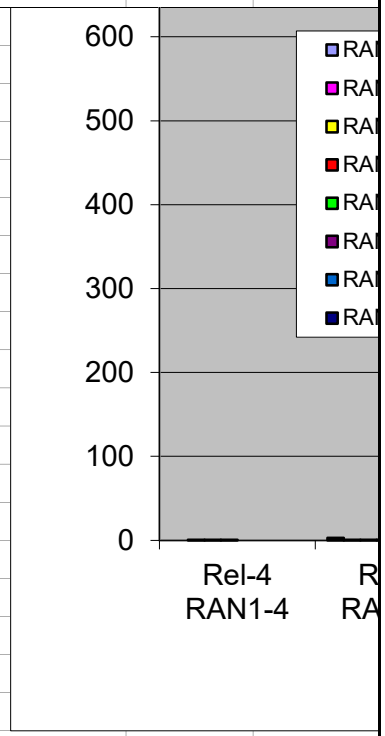
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768												
769												
770												
771												
772												
773												
774												
775												
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781	RAN #52											
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795	10	3	5	3	2	0	0	0	1	1		
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797	713	352	266	249	156	84	62	82	42	52		
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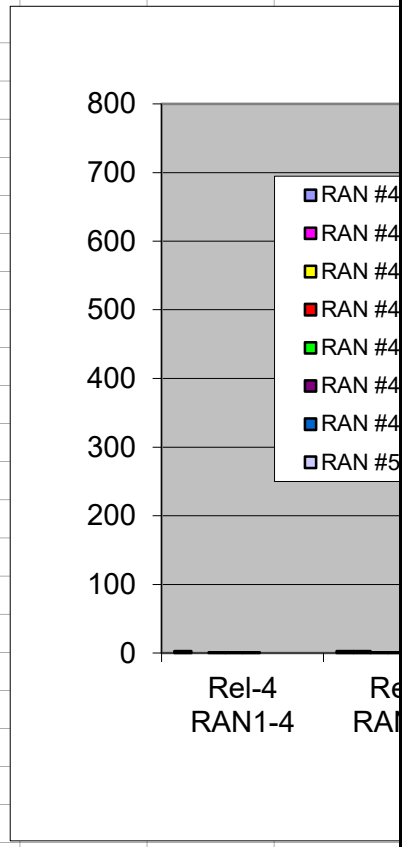
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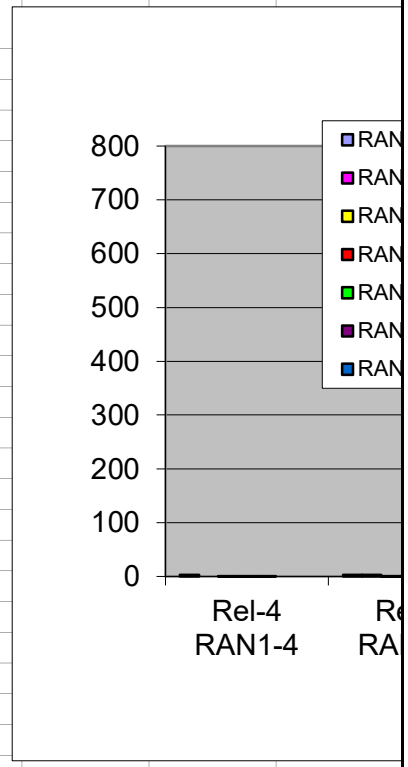
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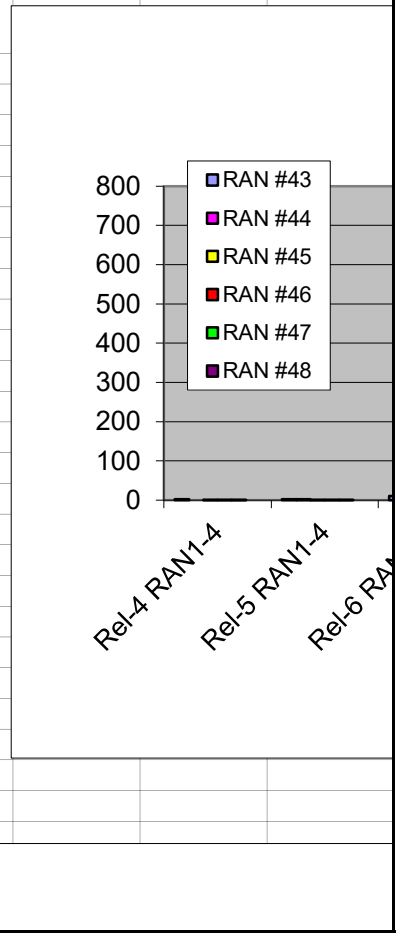
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889	364	349	510	535	579	91	181					
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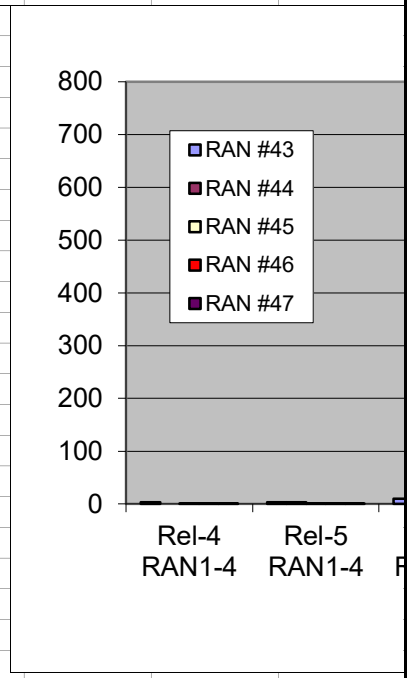
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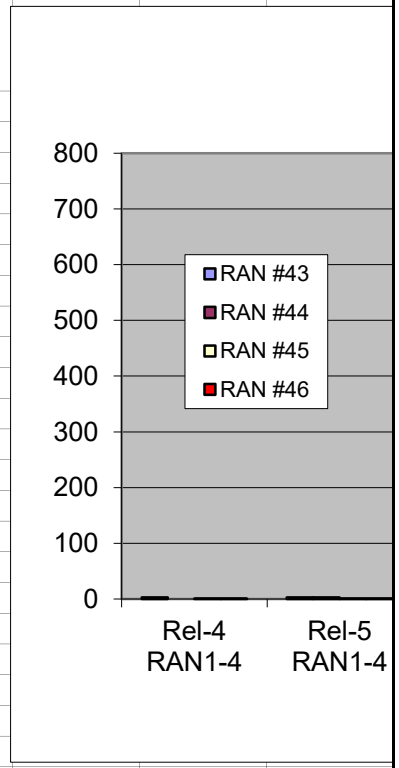
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1045												
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3												
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21												
22	eze					REL-11 freeze						
23	RAN #52	RAN #53	RAN #54	RAN #55	RAN #56	RAN #57	RAN #58	RAN #59	RAN #60	RAN #61	RAN #62	RAN #63
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55	0	0	0	0	0	0	0	0	0	0	0	0
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69	42	161	182	349	202	211	120	162	71	109	69	64
70	33	51	28	181	177	386	395	522	271	333	316	325
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106	19	37	13	19	16	11	3	6	2	3	5	3
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113	115	428	525	467	379	320	115	91	54	62	37	45
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115	33	51	28	181	177	386	395	522	271	333	316	325

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Case No. IPR2025-00036; U.S. Patent No. 11,627,631
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Case No. IPR2025-00036; U.S. Patent No. 11,627,631
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307	42	161	182	349	202	211	120	162	71	109	69	Rel-11 RAN1-4
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Case No. IPR2025-00036; U.S. Patent No. 11,627,631
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Case No. IPR2025-00036; U.S. Patent No. 11,627,631
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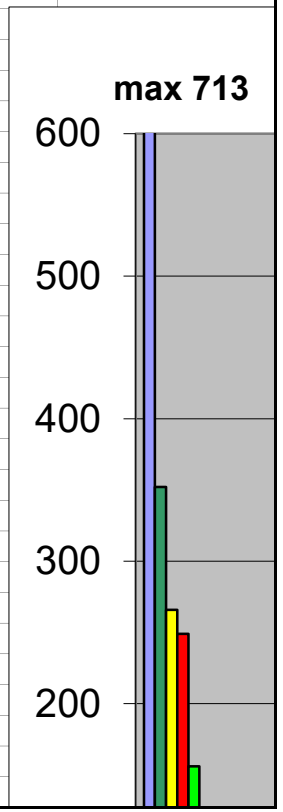
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Case No. IPR2025-00036; U.S. Patent No. 11,627,631
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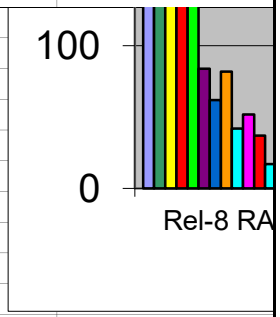
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Case No. IPR2025-00036; U.S. Patent No. 11,627,631
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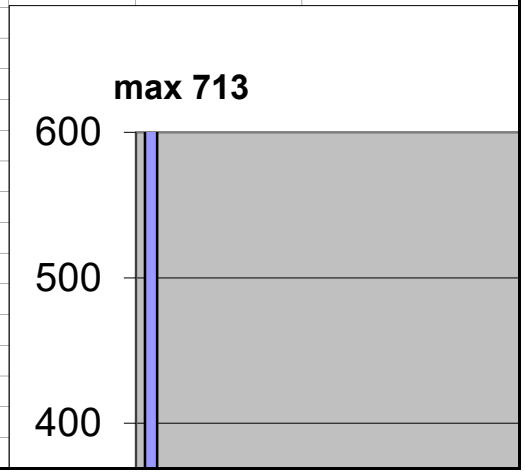
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Case No. IPR2025-00036; U.S. Patent No. 11,627,631
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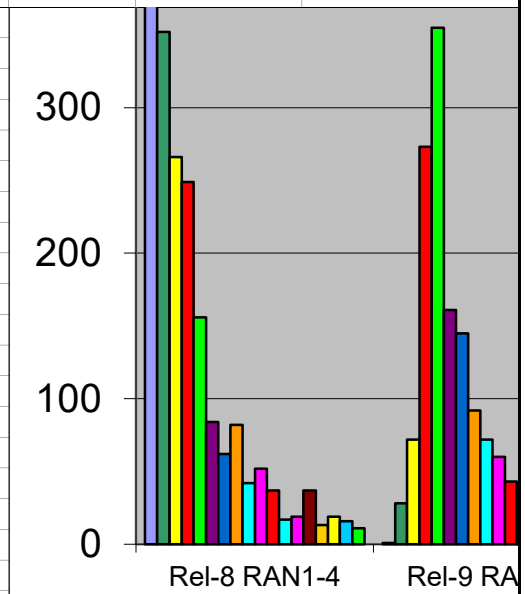
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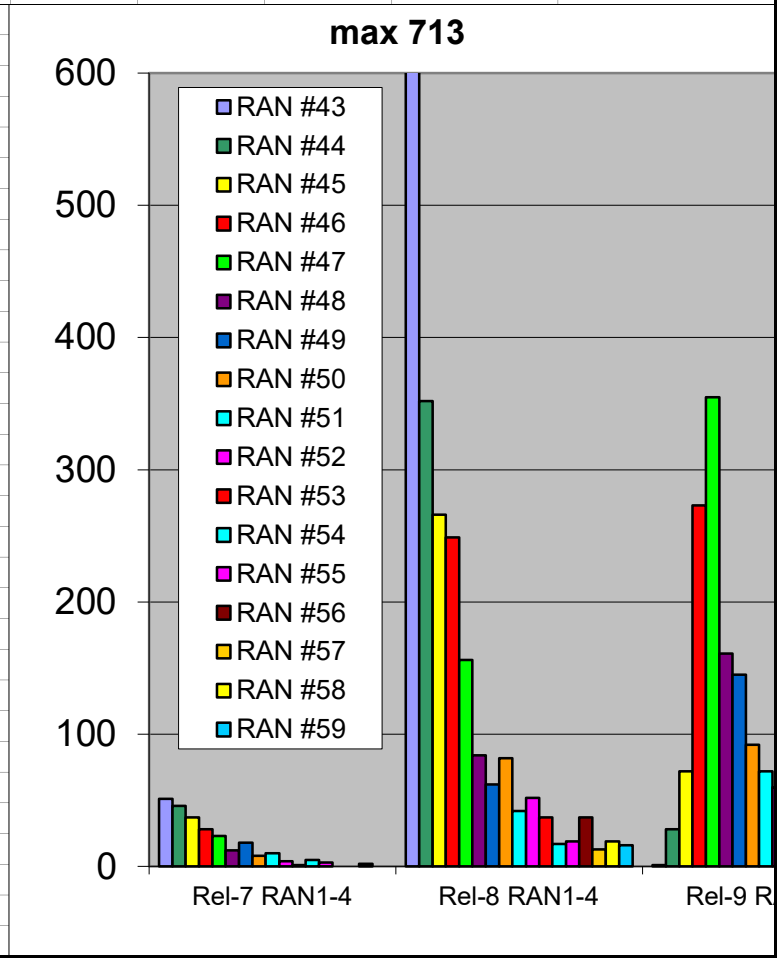
Petitioners' Exhibit 1012
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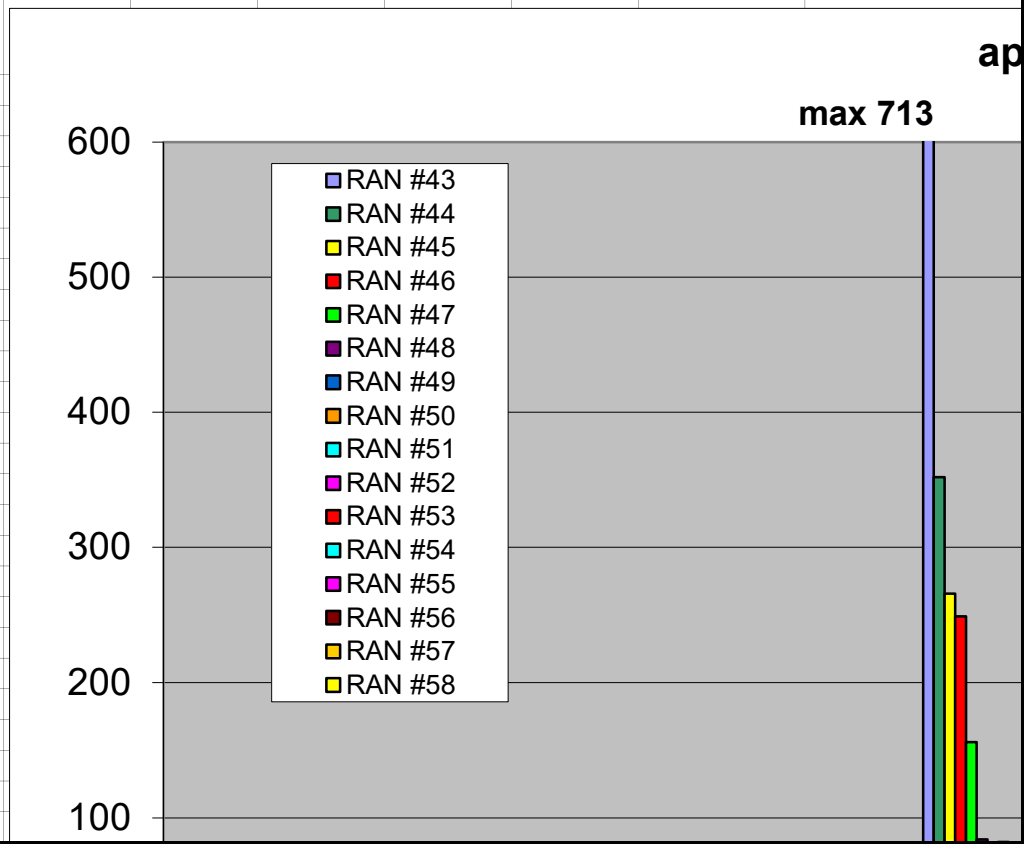
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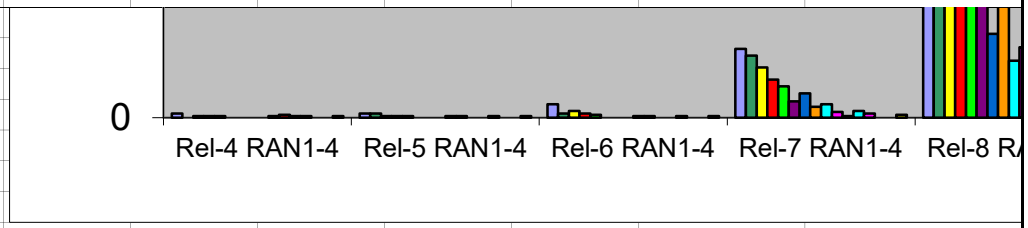
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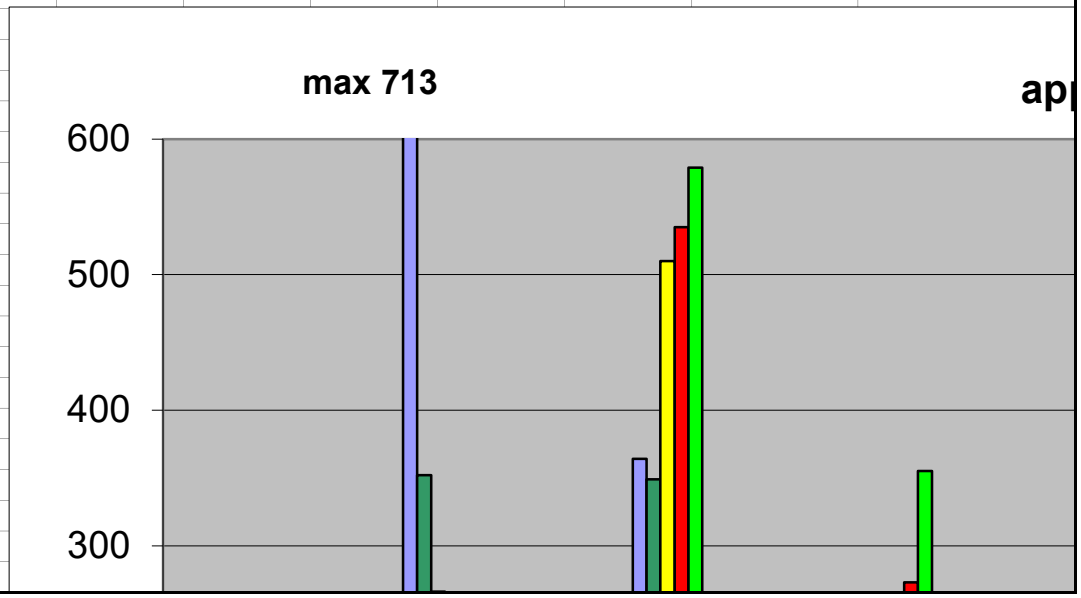
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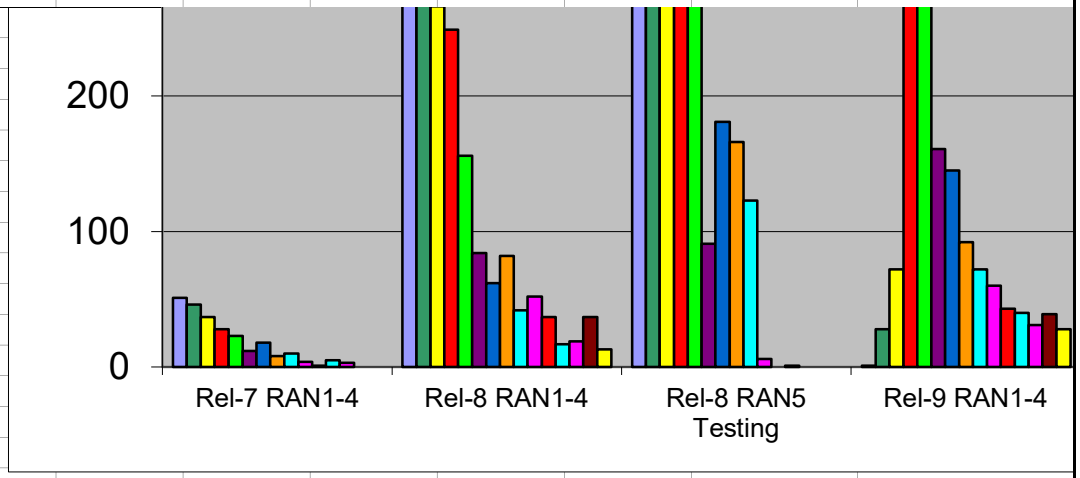
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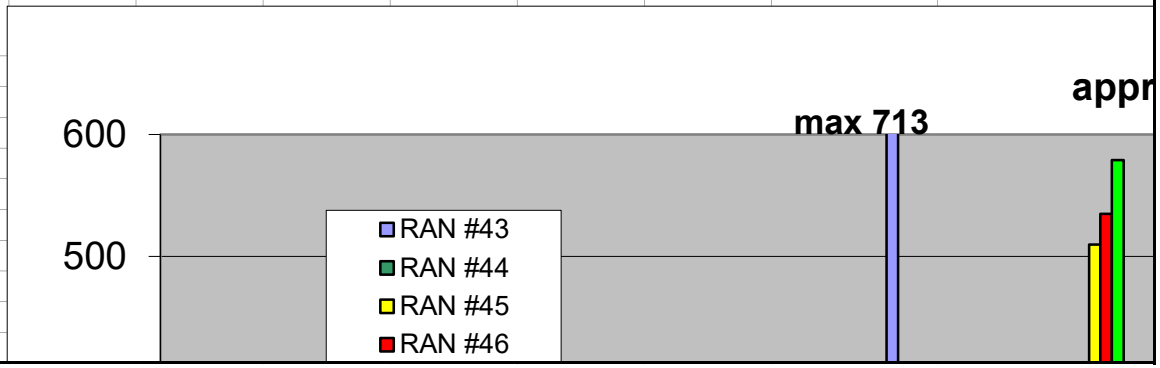




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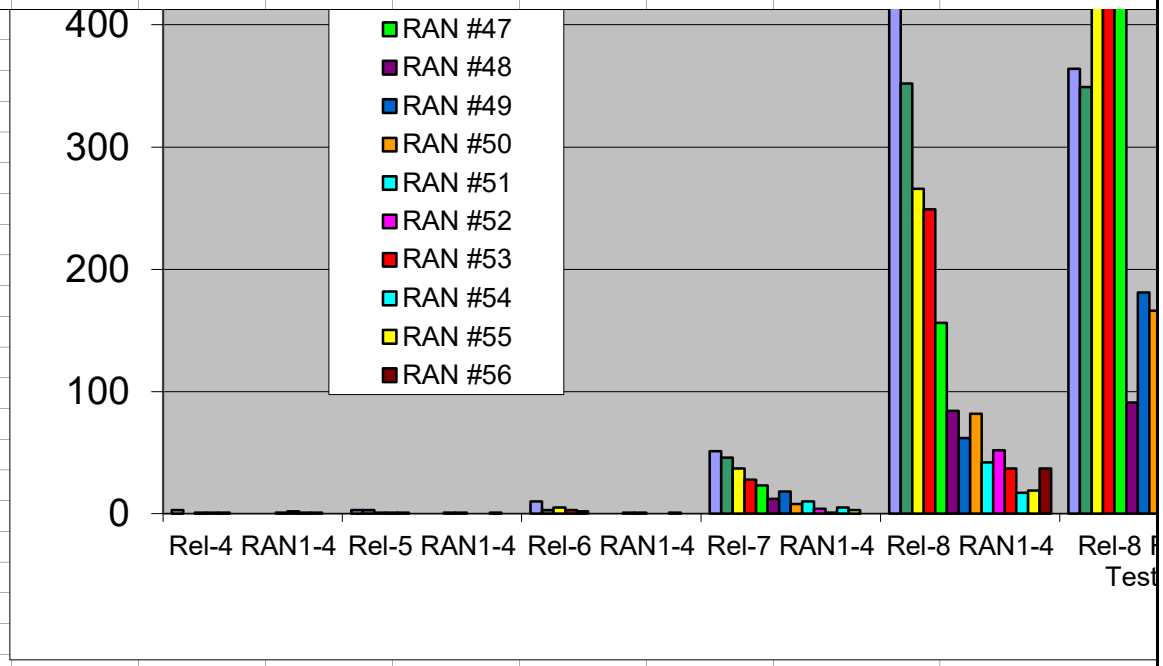
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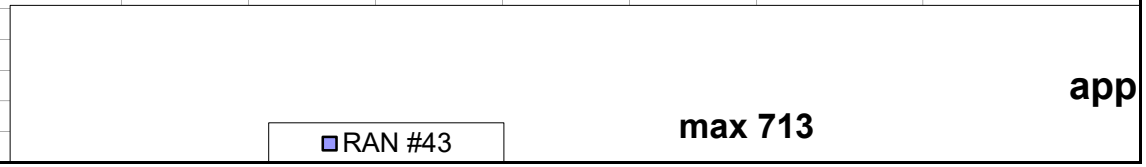




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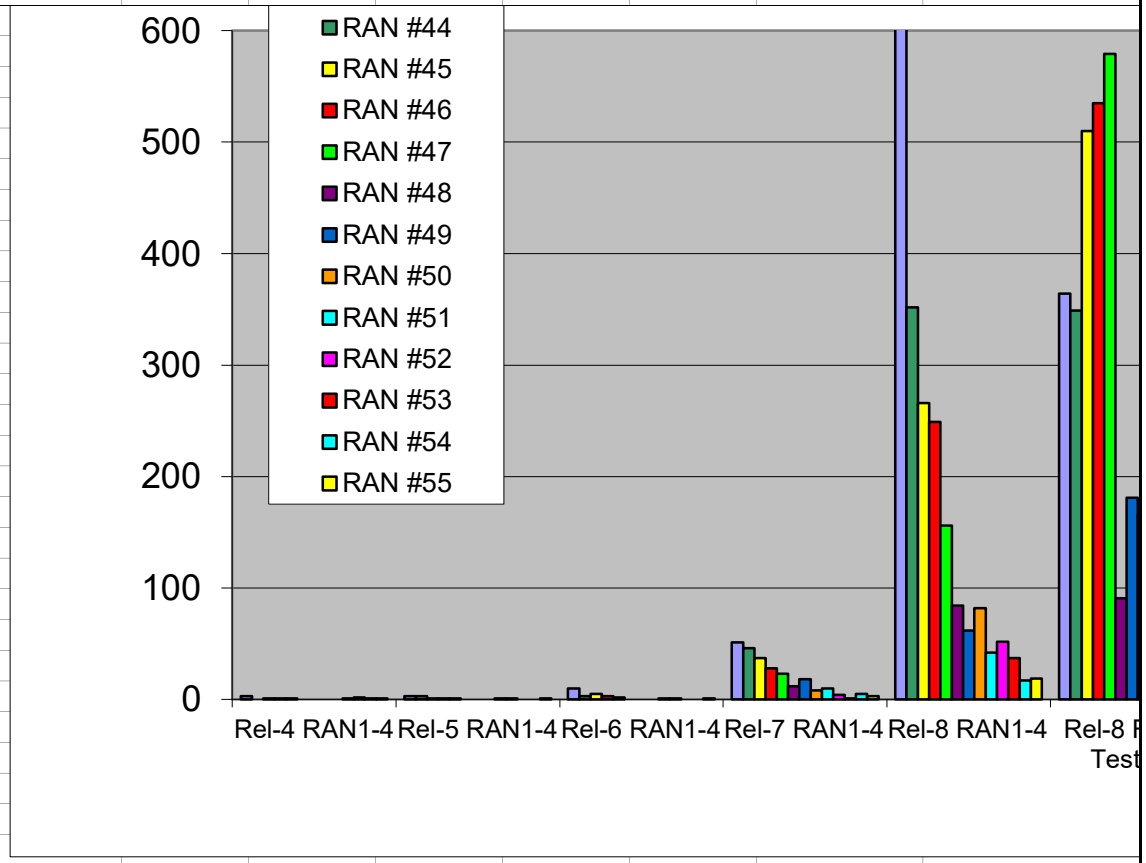
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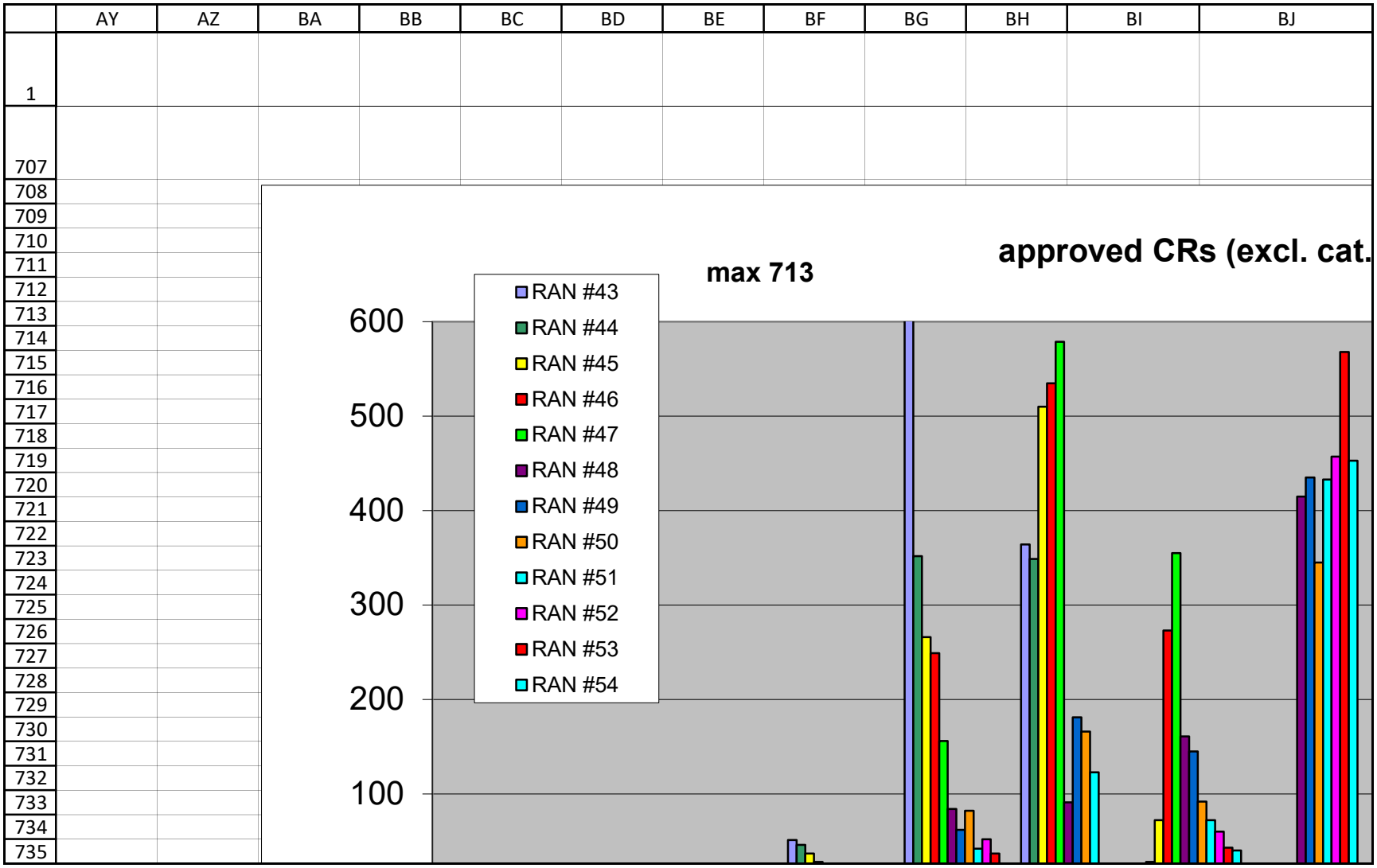


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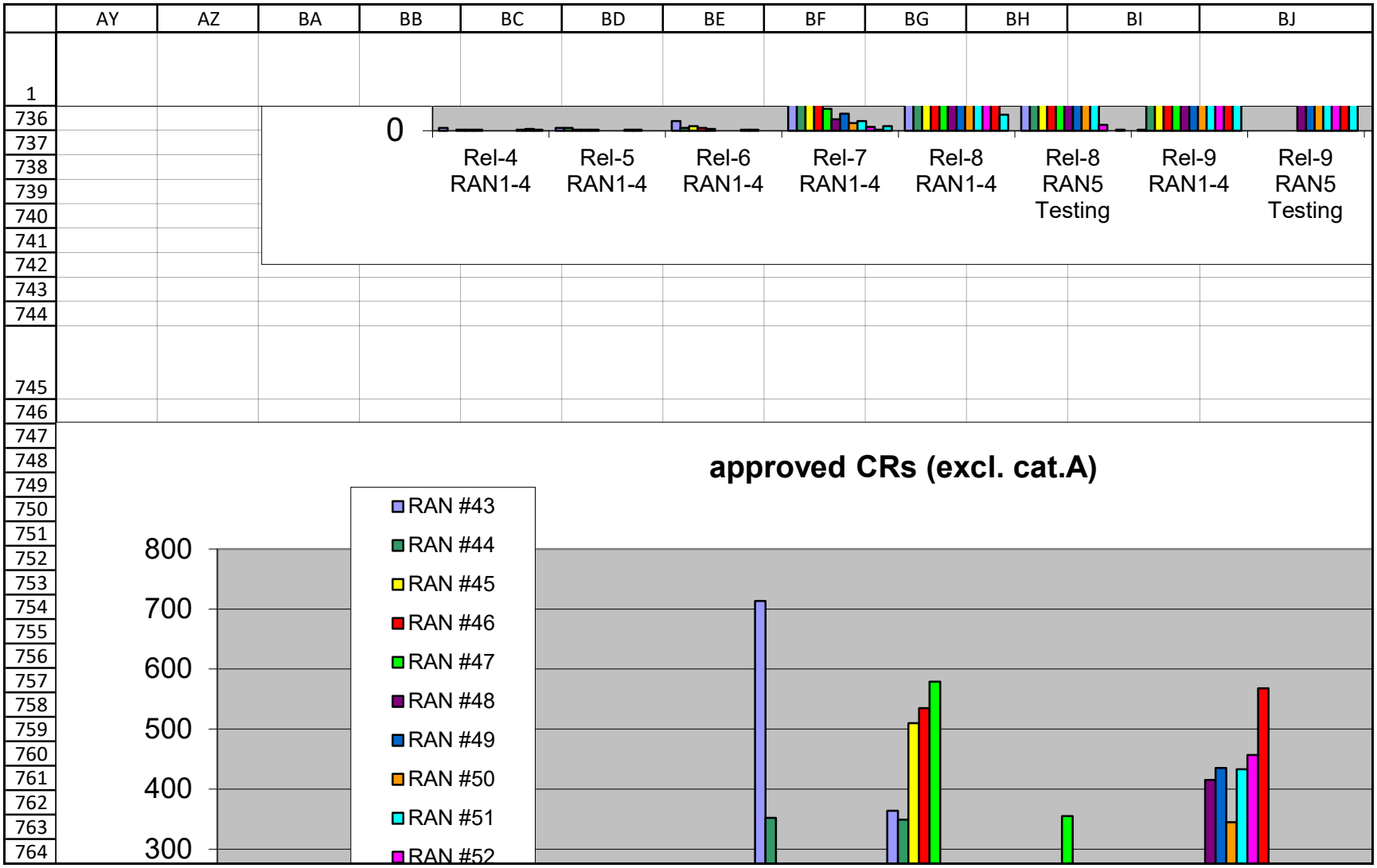
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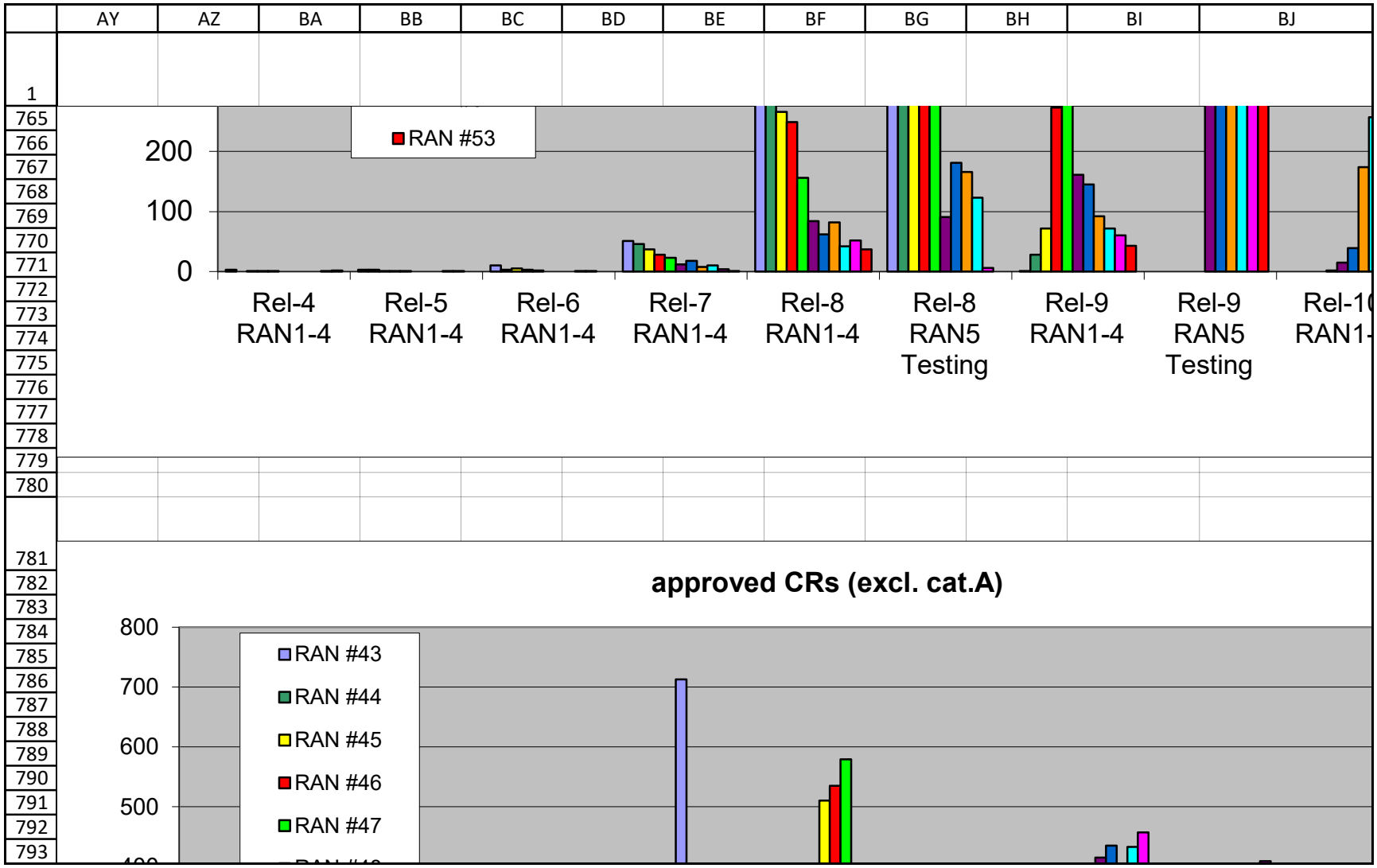
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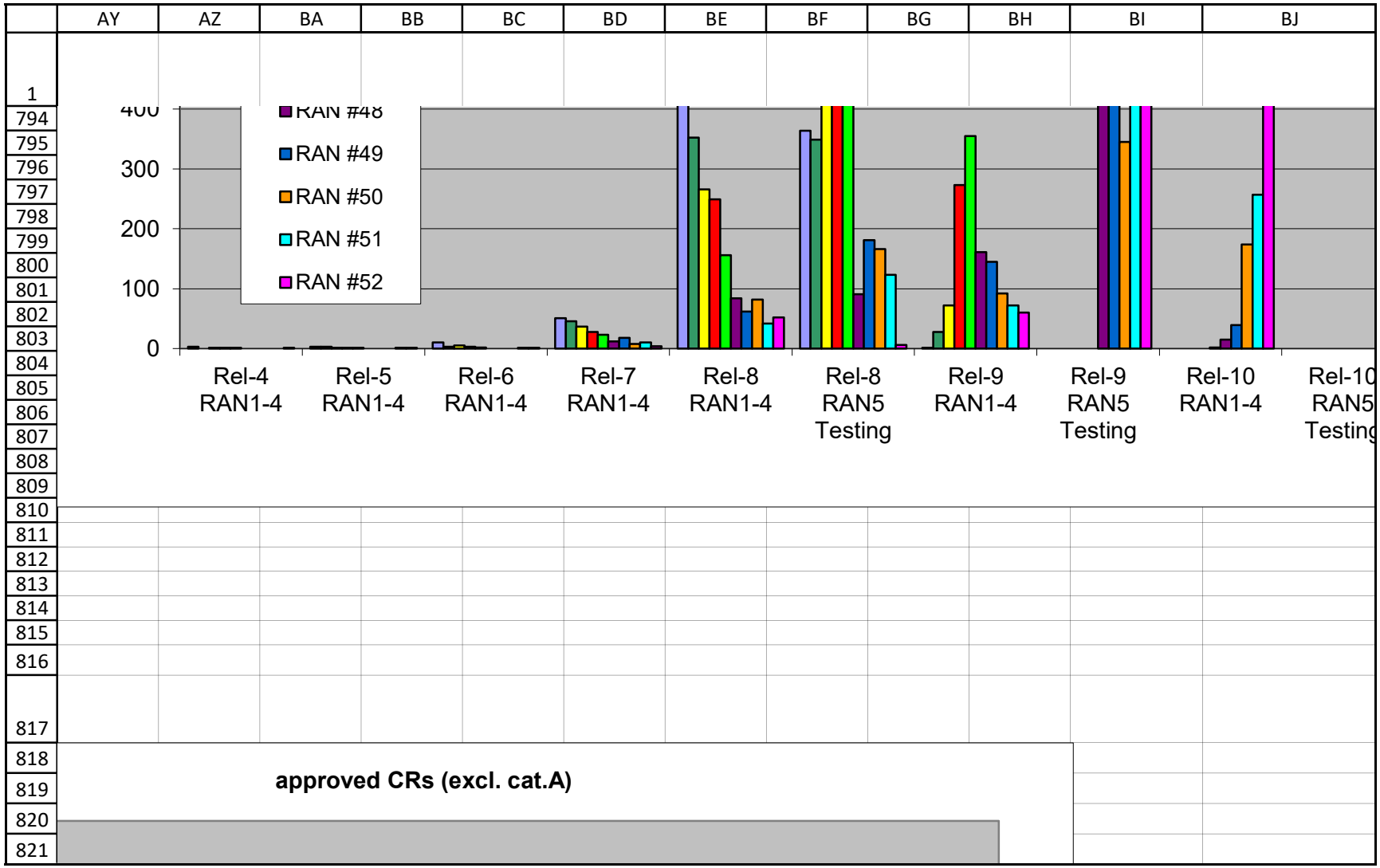
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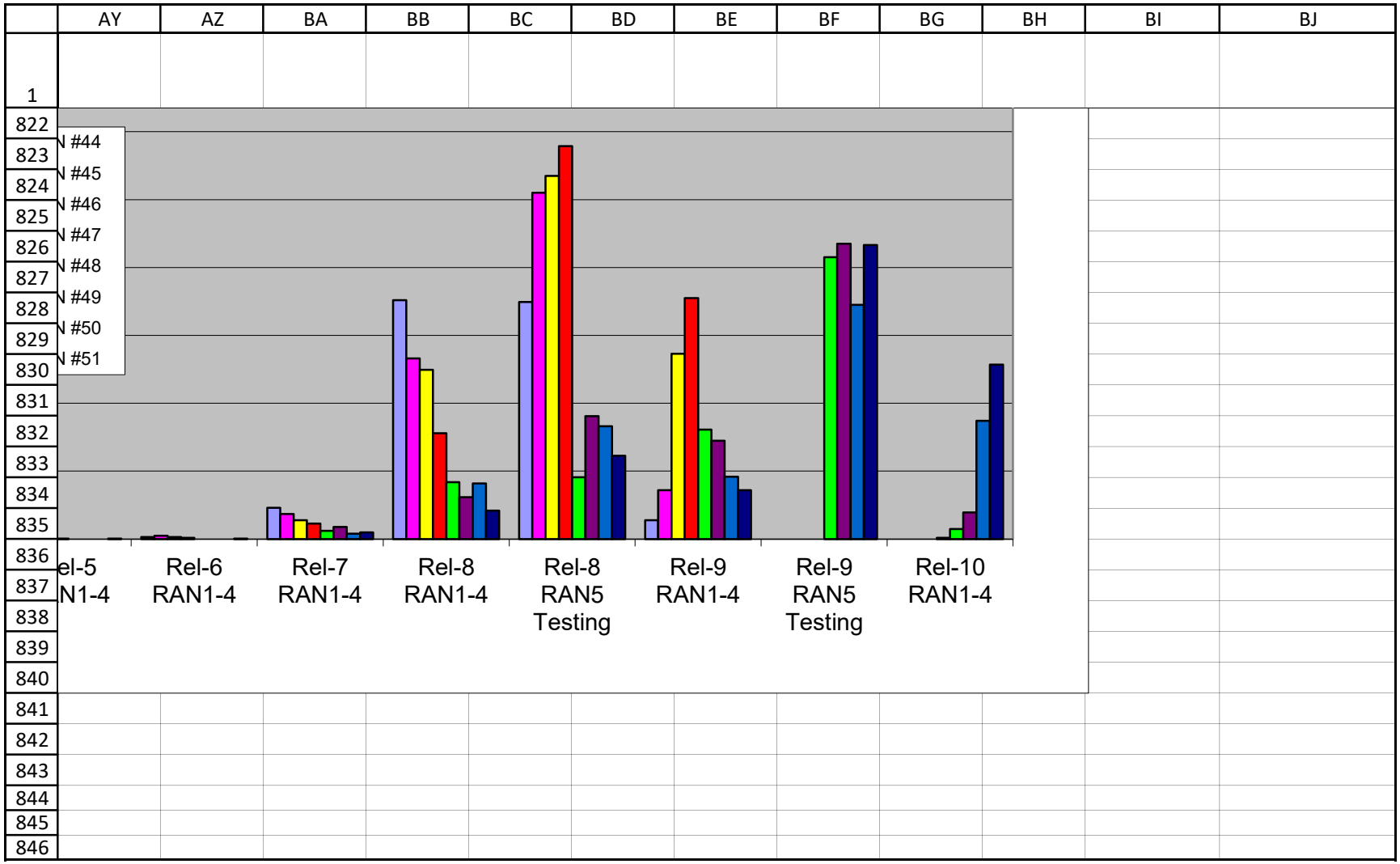
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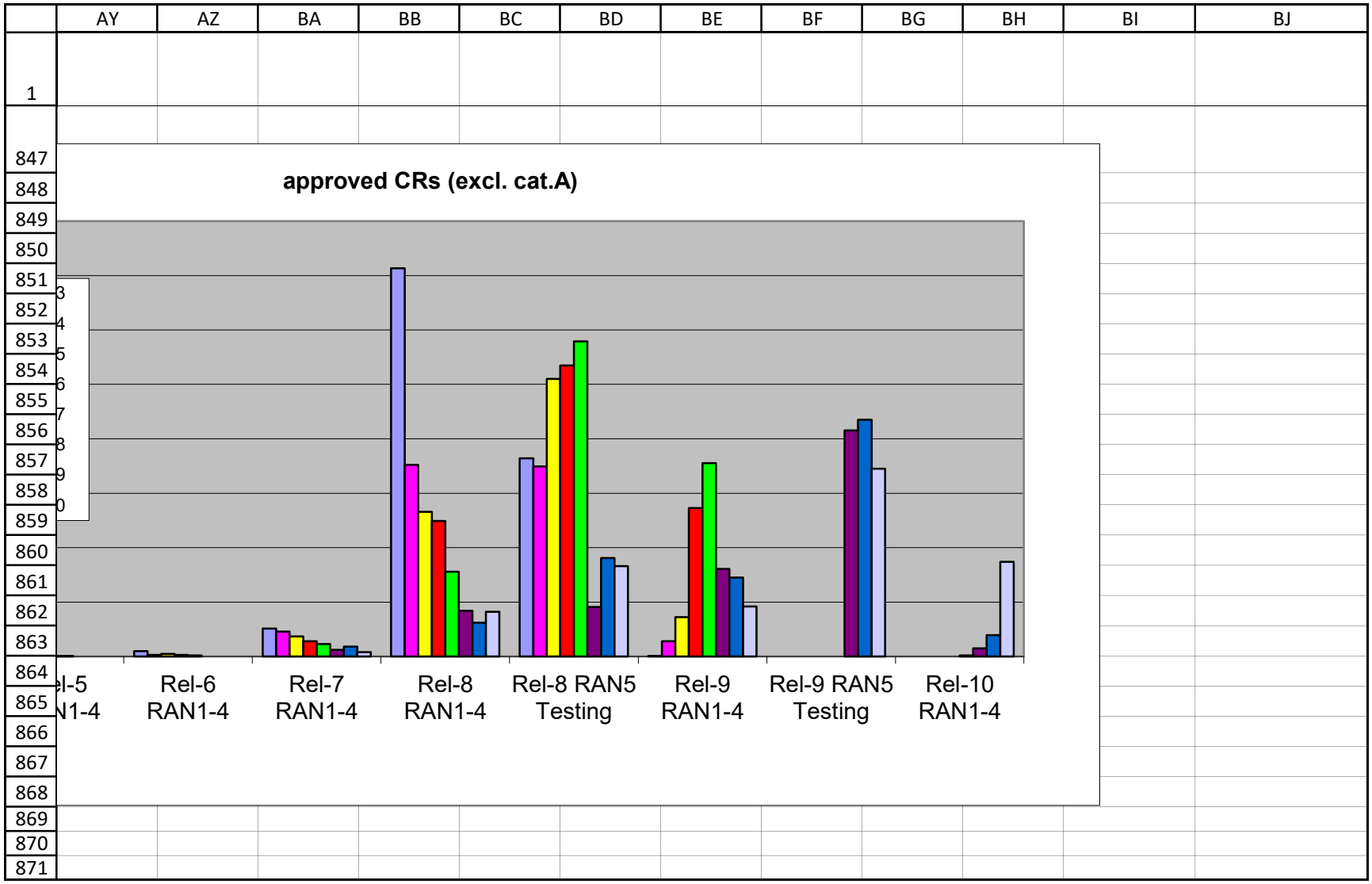
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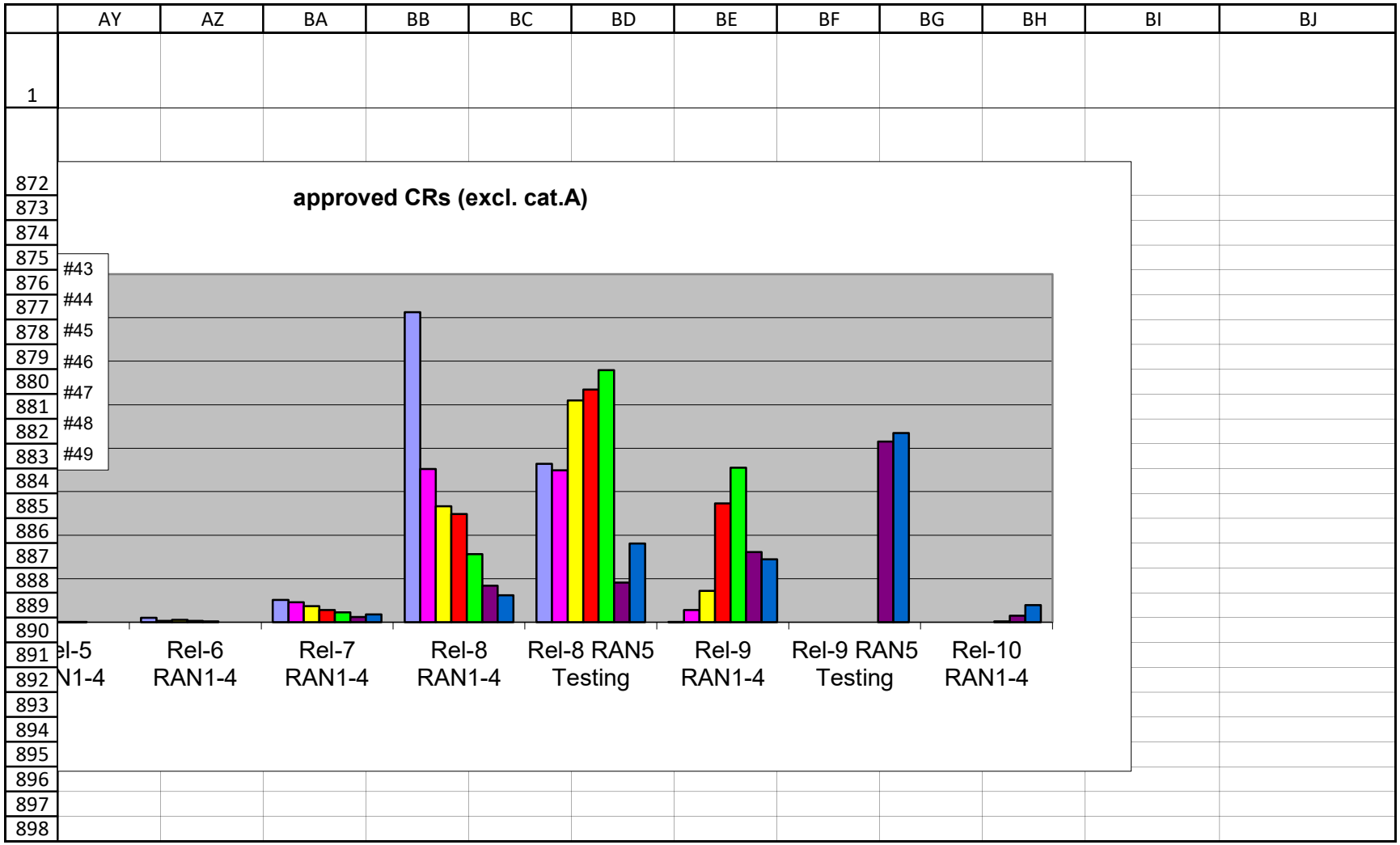
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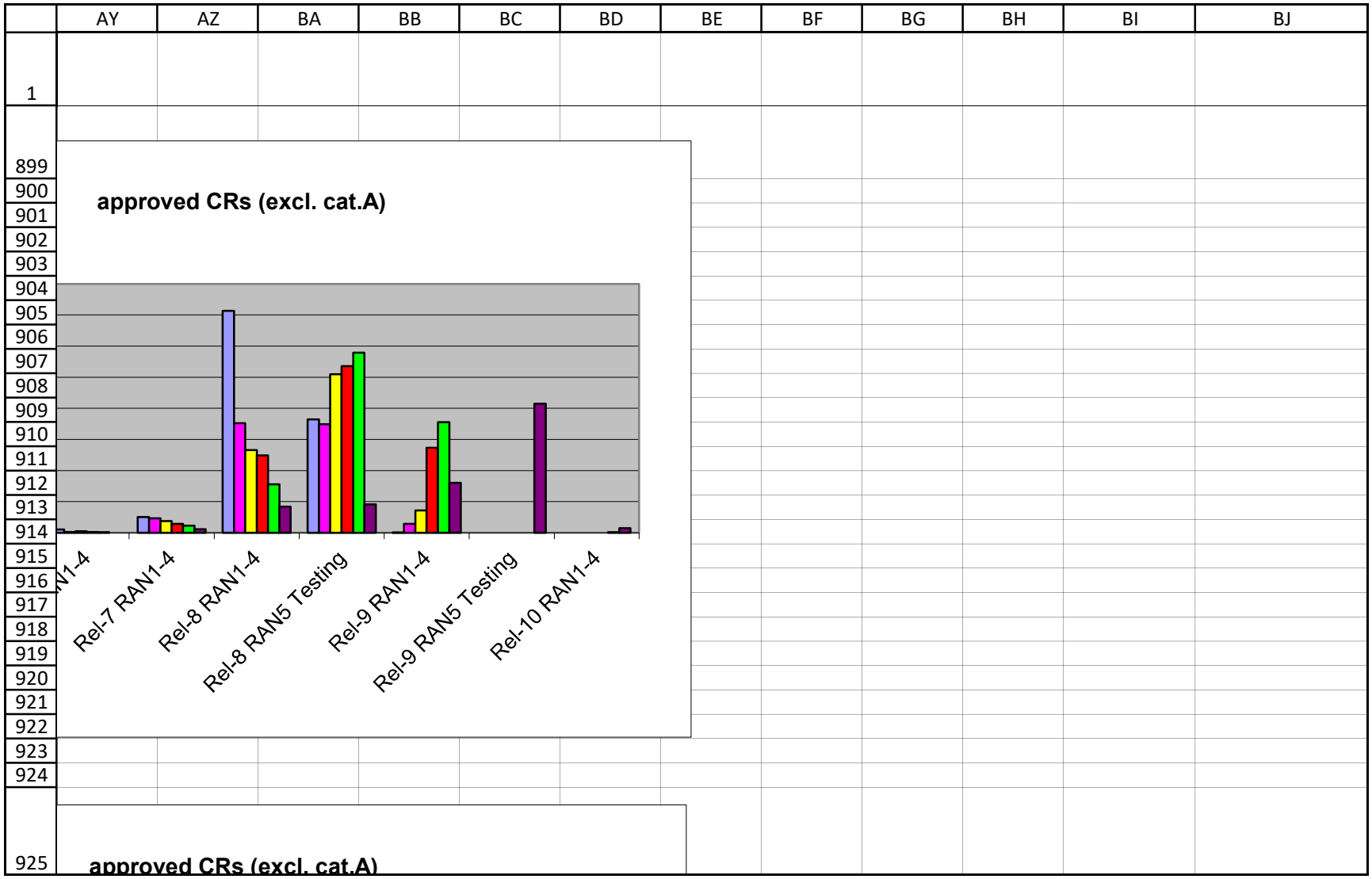
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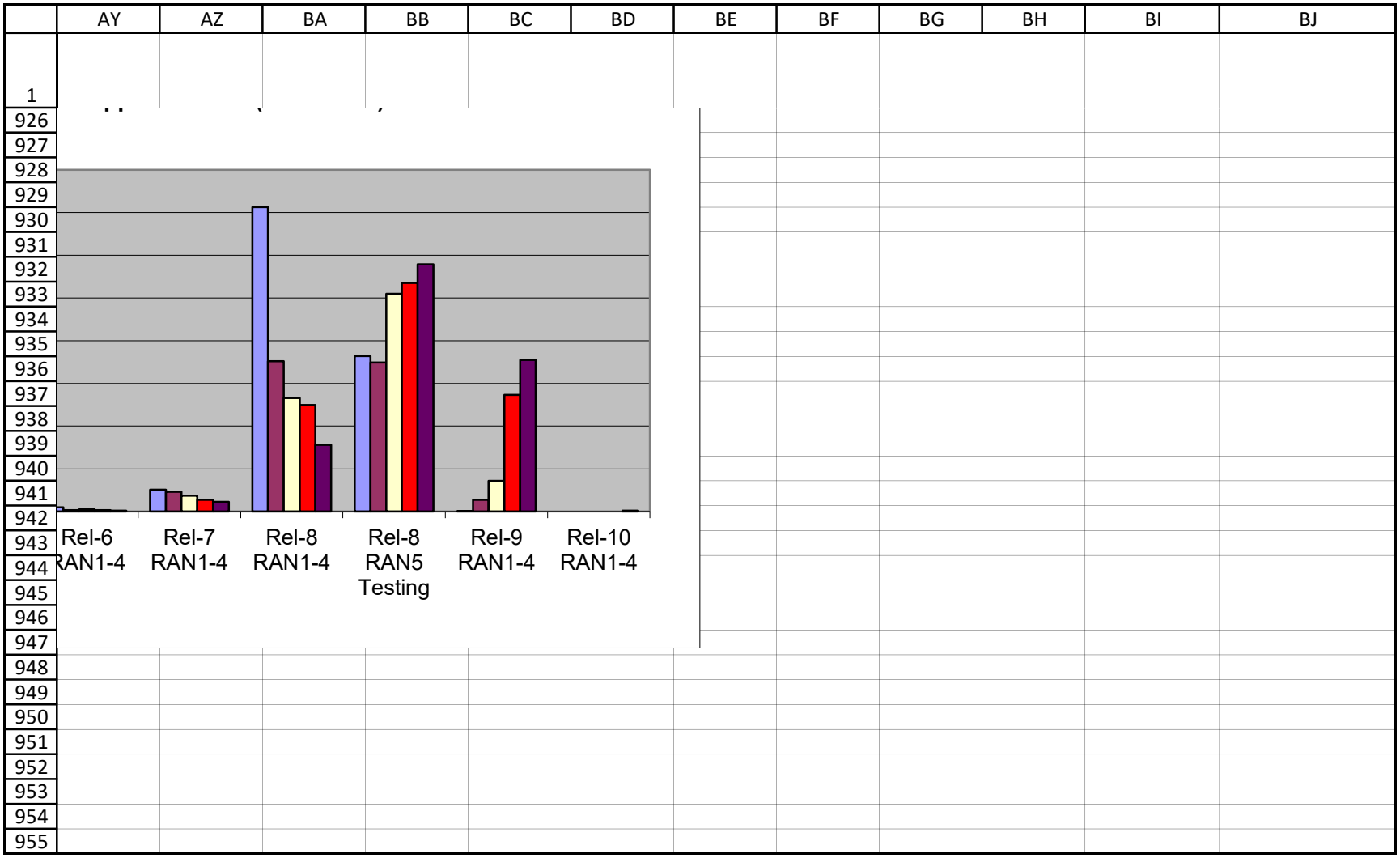
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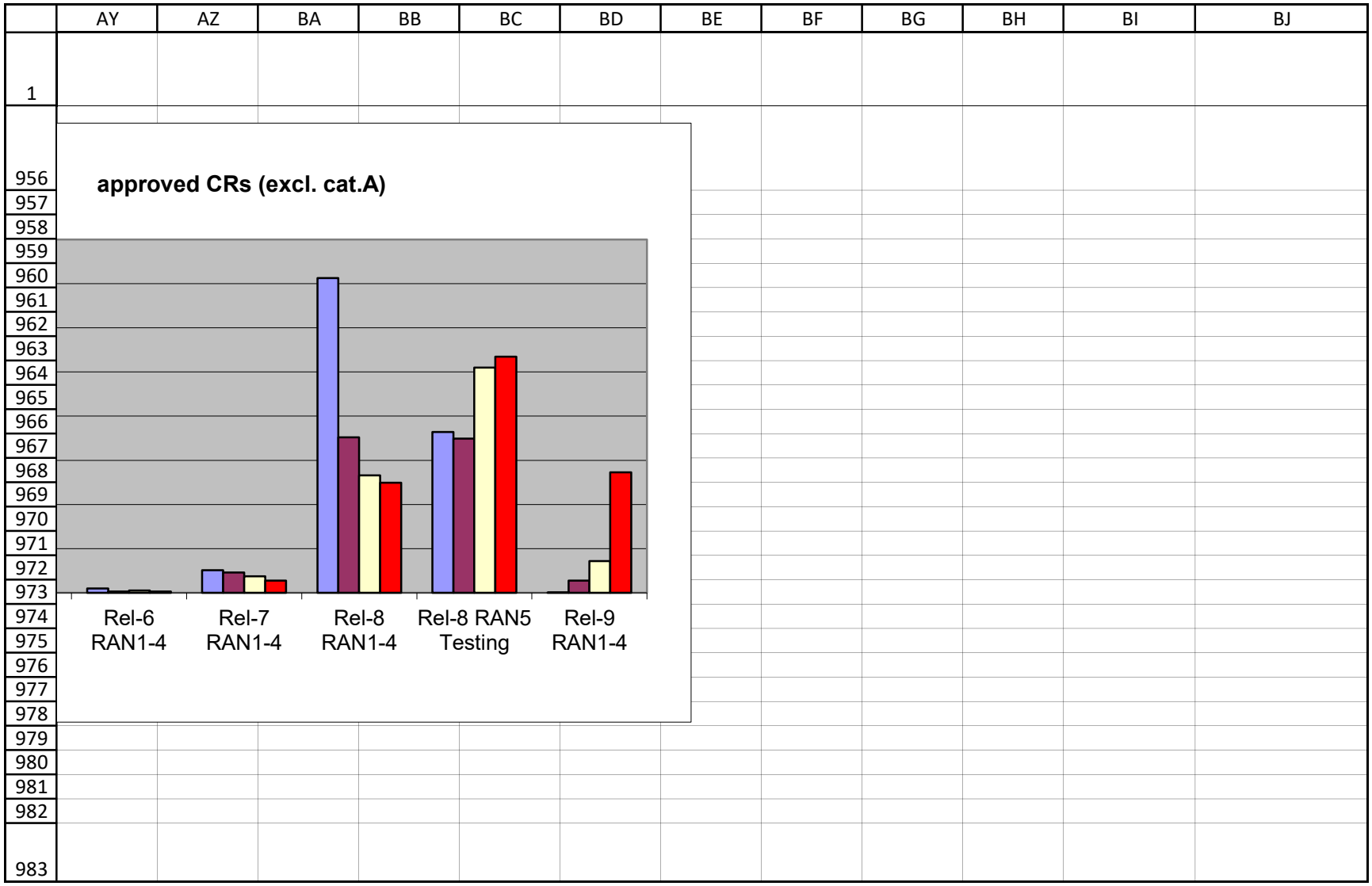
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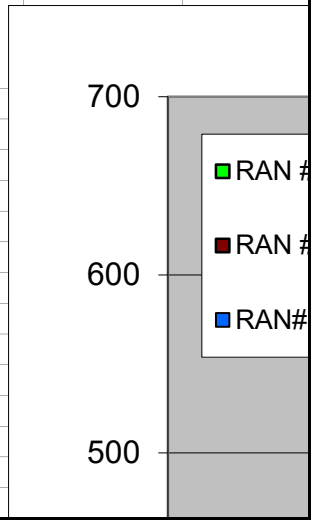
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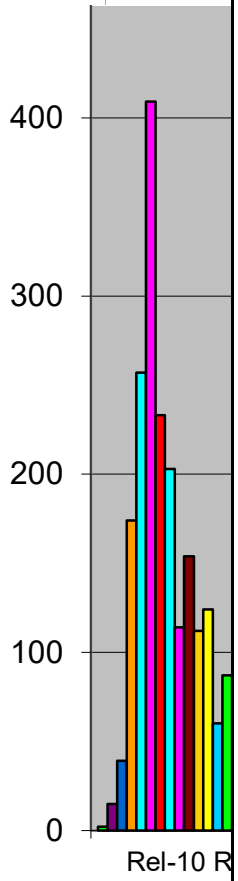
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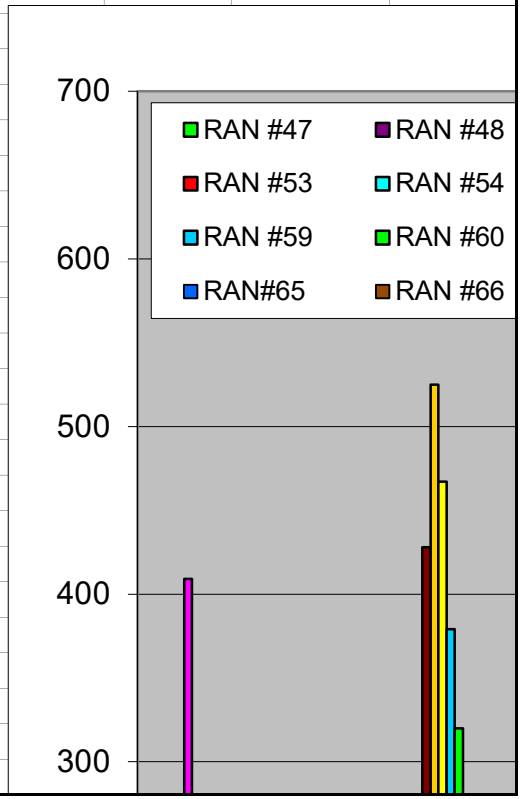
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65				REL-13 freeze						
66	RAN #67	RAN #68	RAN #69	RAN #70	RAN #71					
67	18	21	18	25	6	Rel-10 RAN1-4				
68	34	33	0	7	0	Rel-10 RAN5 Testing				
69	30	38	21	59	18	Rel-11 RAN1-4				
70	83	73	14	43	23	Rel-11 RAN5 Testing				
71	186	291	114	126	56	Rel-12 RAN1-4				
72	515	623	676	642	484	Rel-12 RAN5 Testing				
73	1	40	50	364	319	Rel-13 RAN1-4				
74	0	0	1	17	191	Rel-13 RAN5 Testing				
75										
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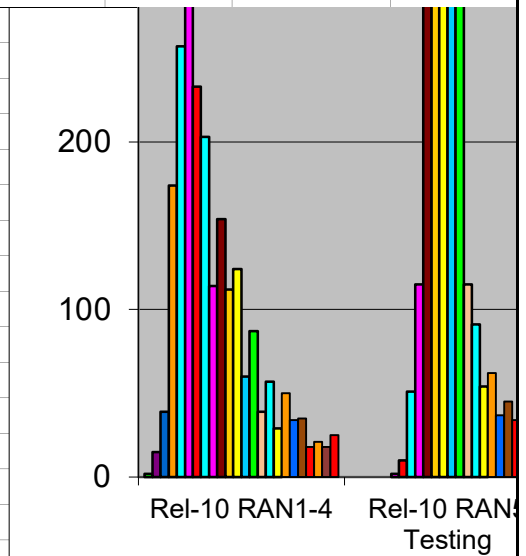
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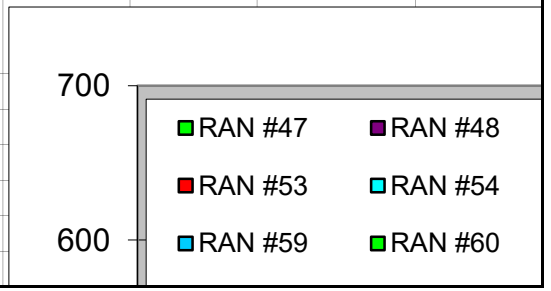
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113	34	33	0	7	Rel-10 RAN5 Testing					
114	30	38	21	59	Rel-11 RAN1-4					
115	83	73	14	43	Rel-11 RAN5 Testing					



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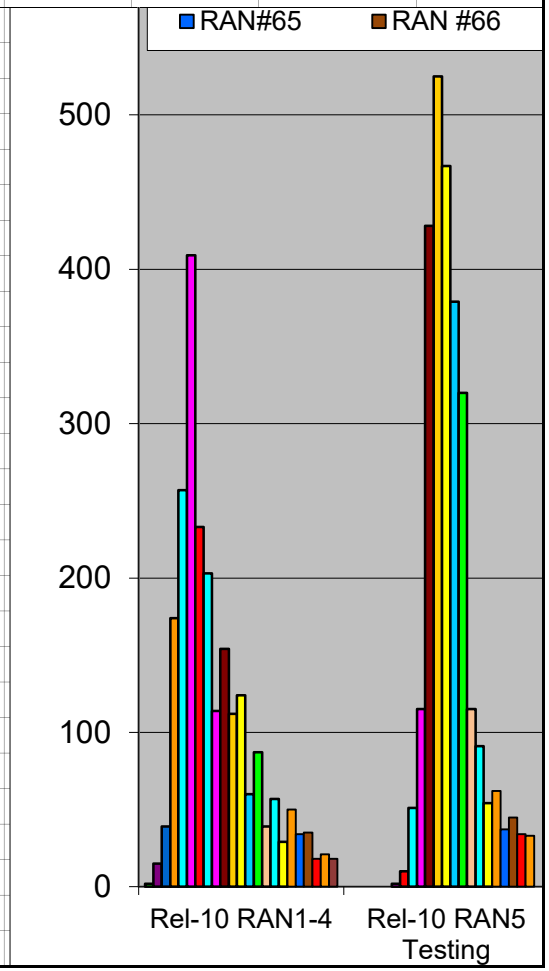
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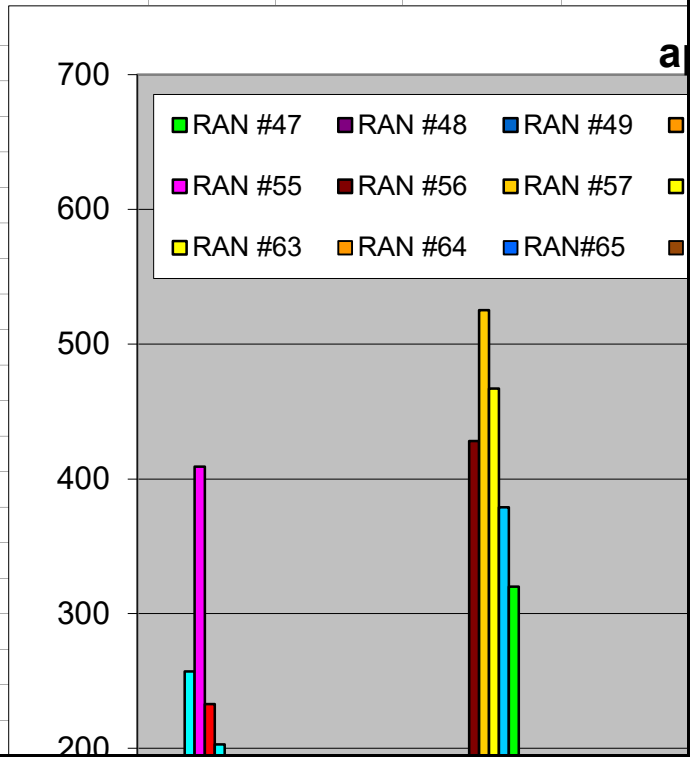
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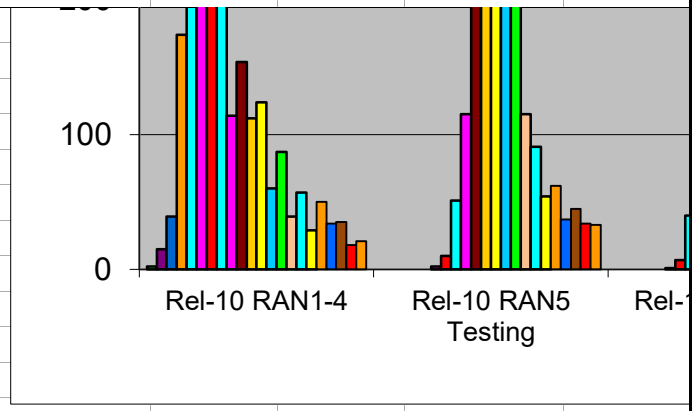
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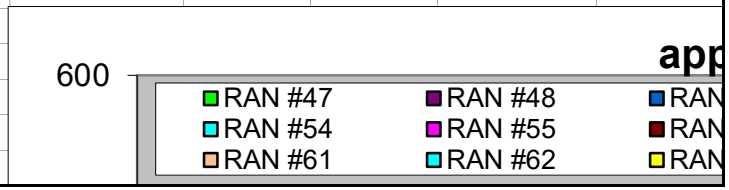
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192	RAN #67	RAN #68								



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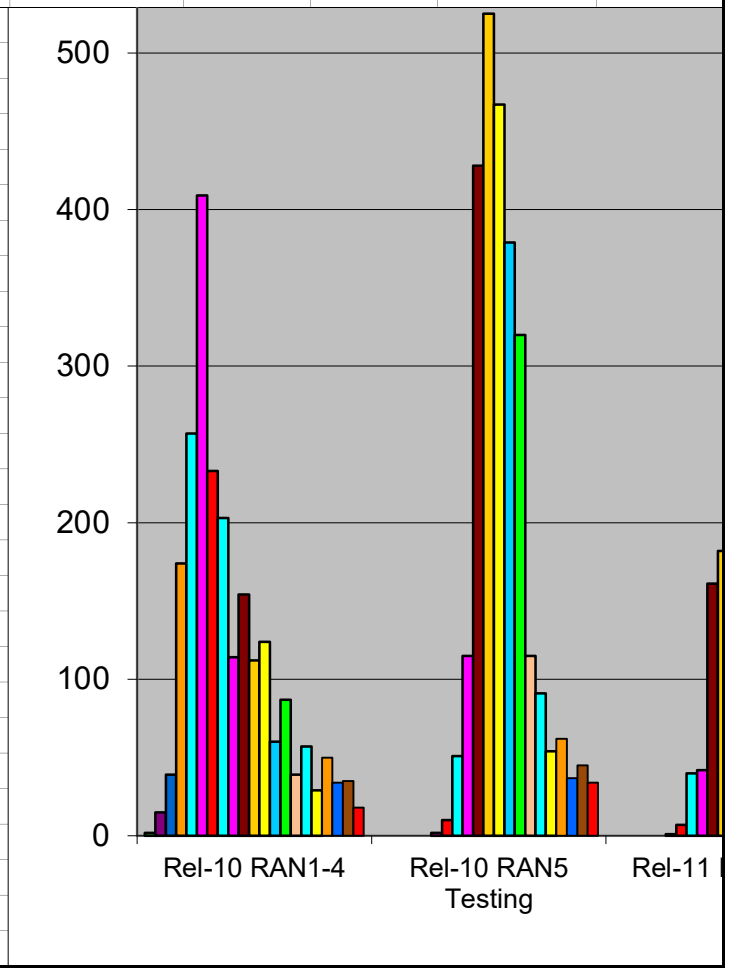
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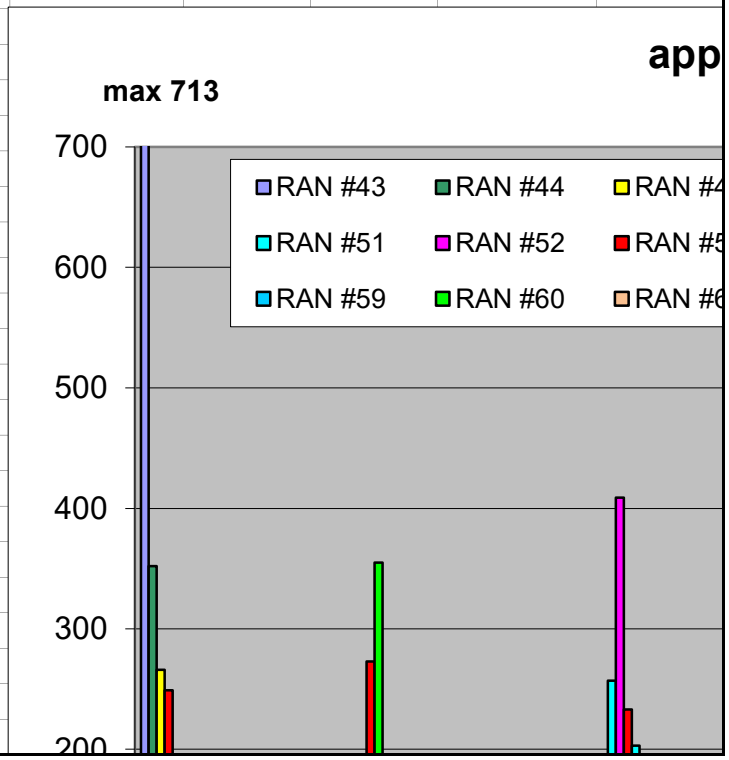
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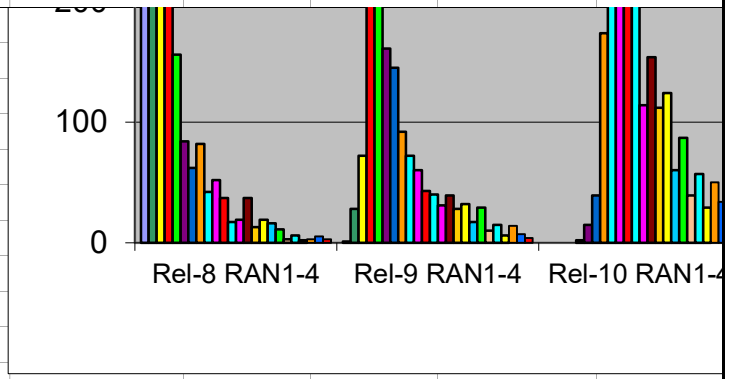
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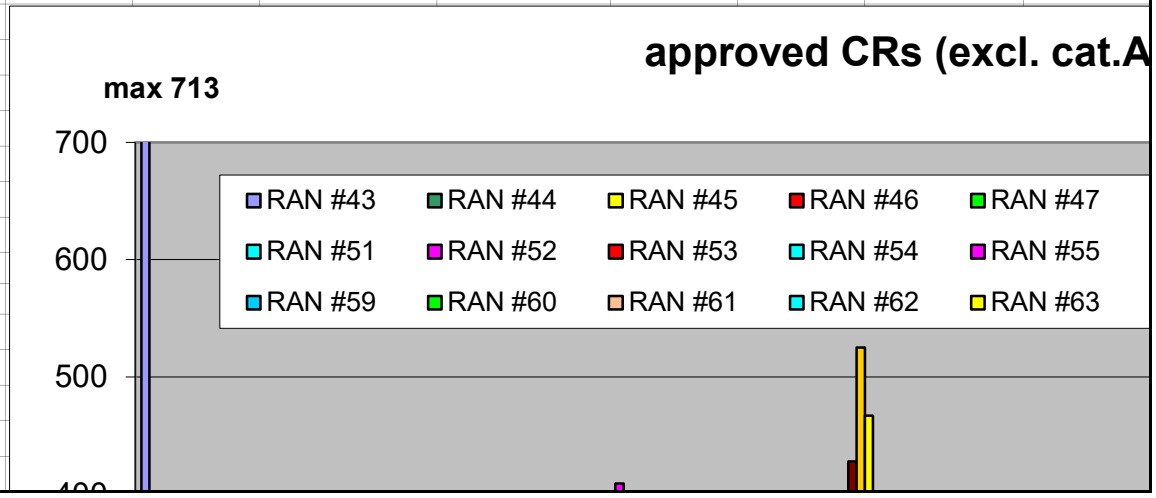
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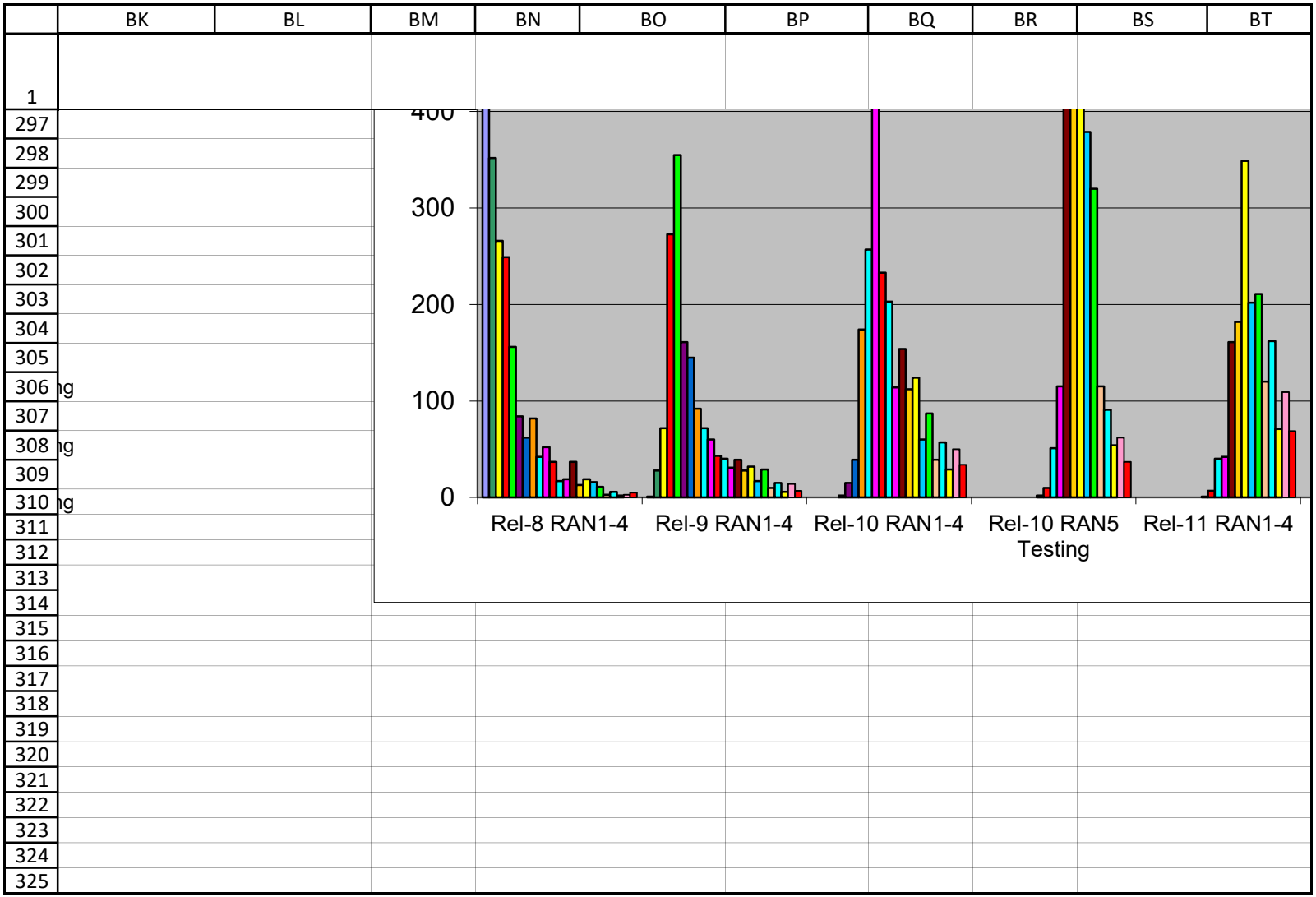
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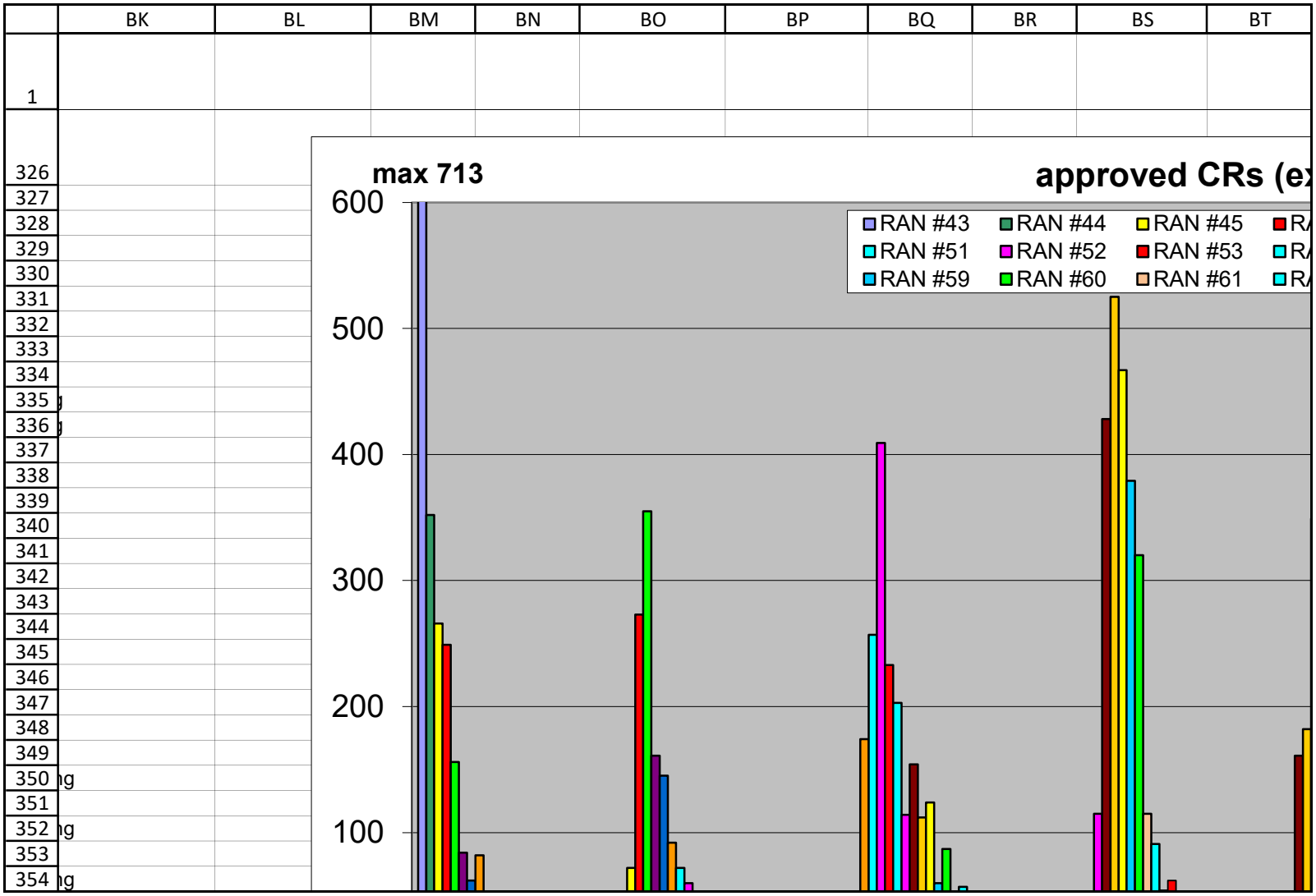




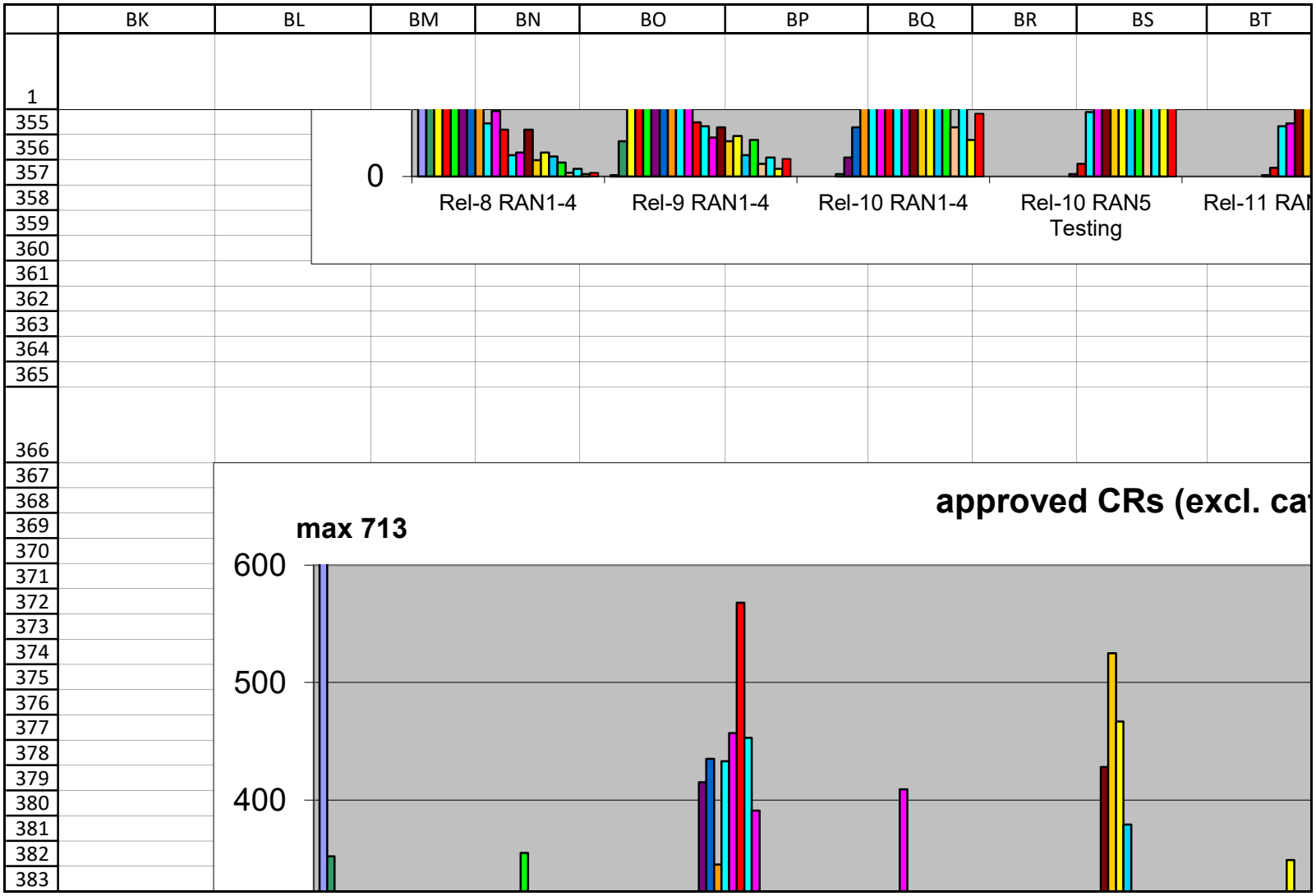
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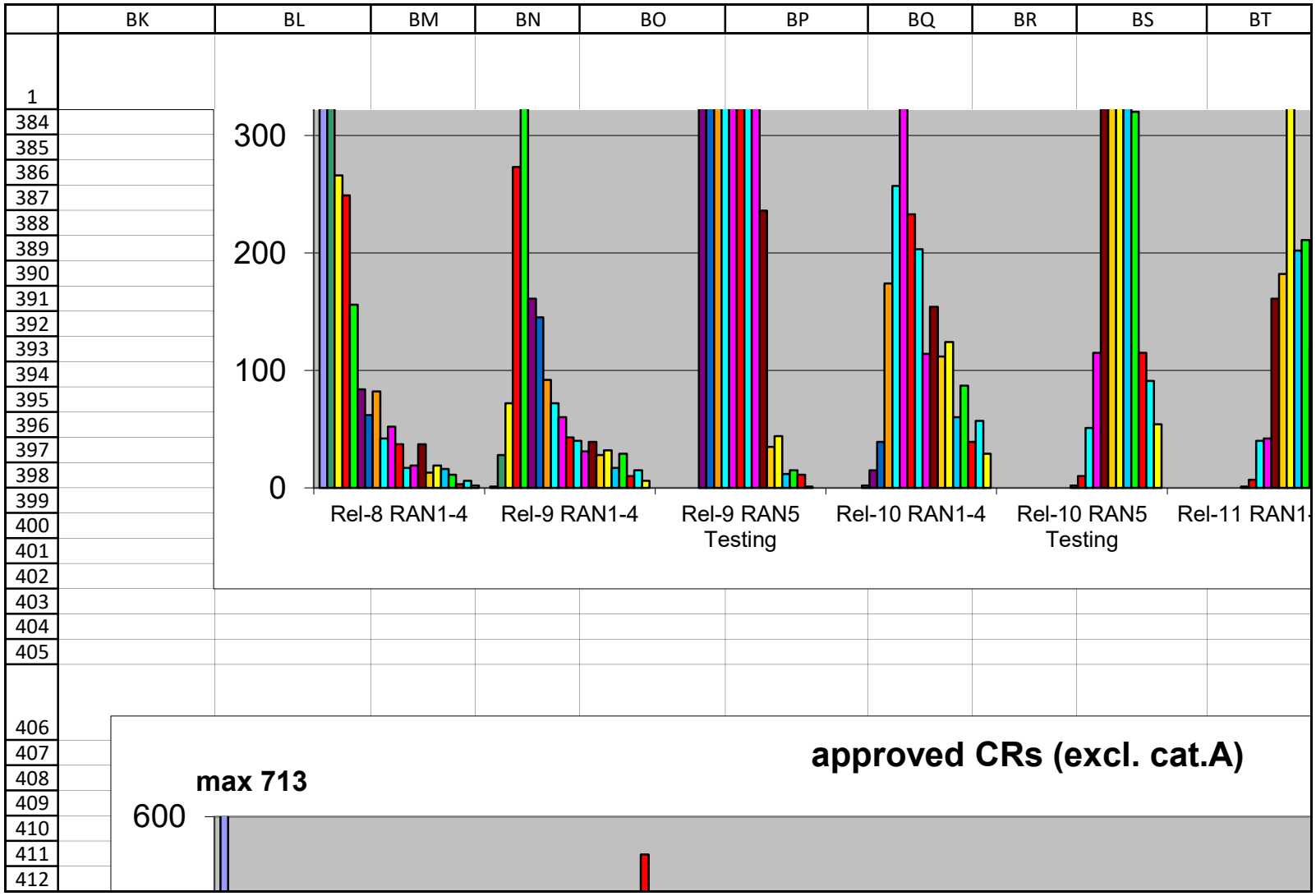
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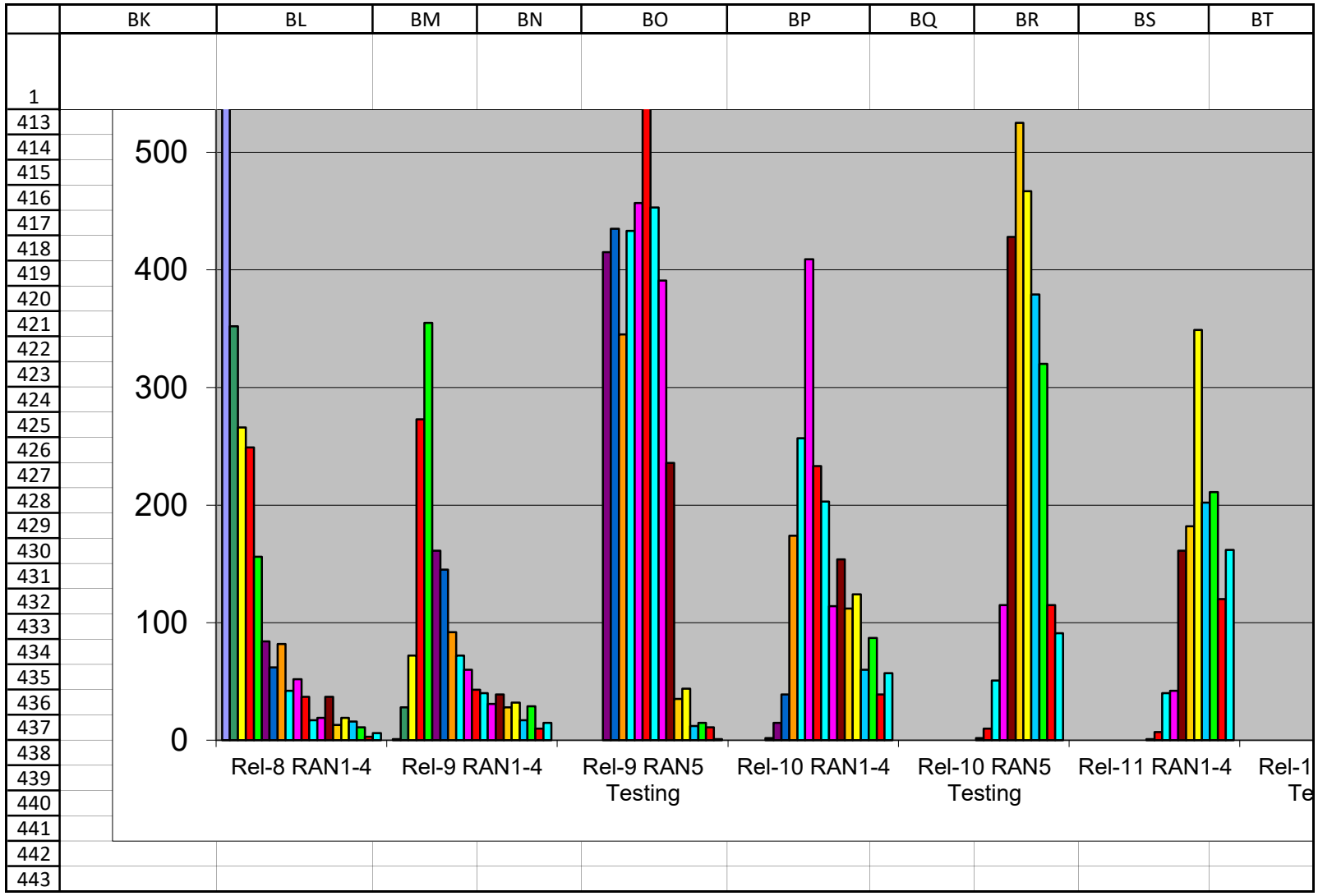
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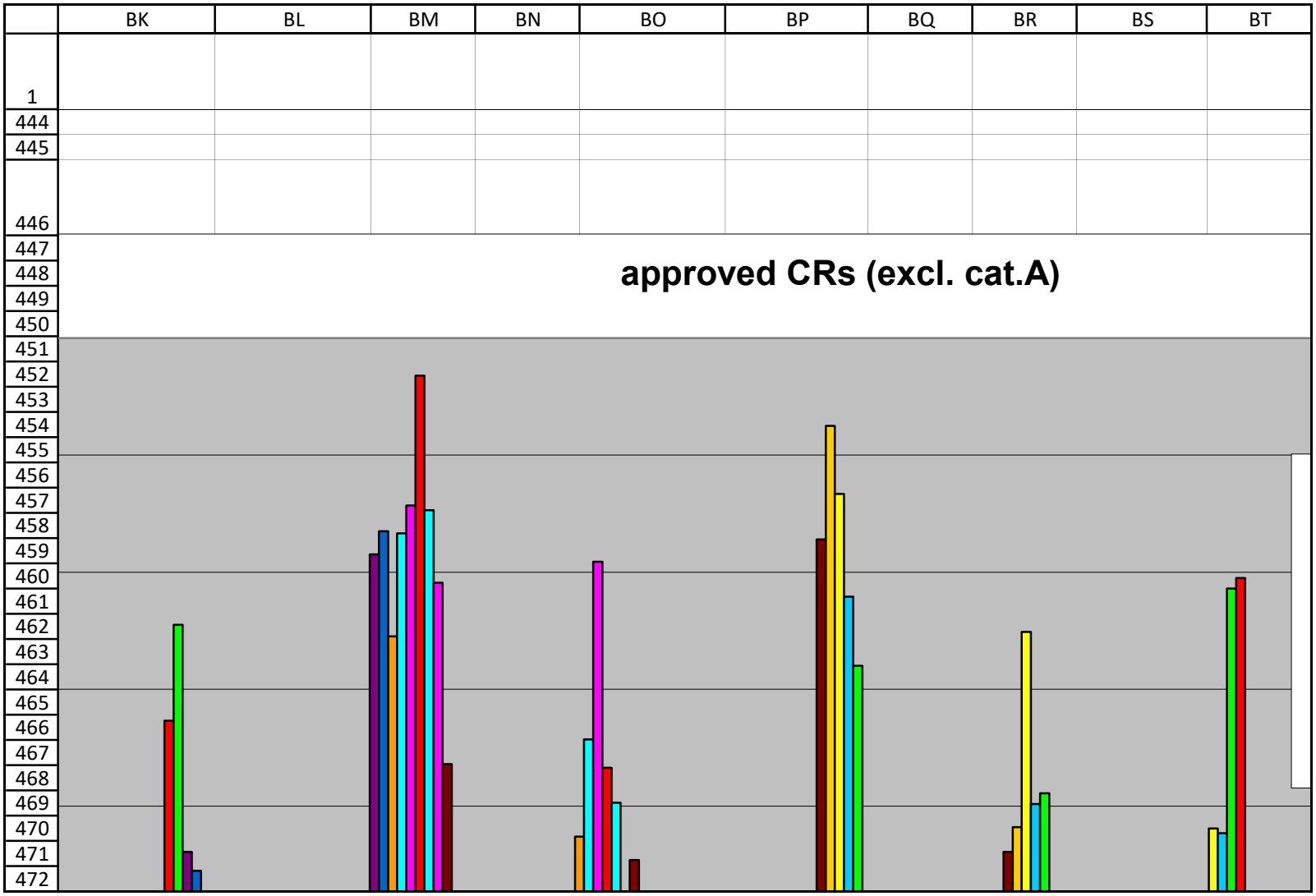
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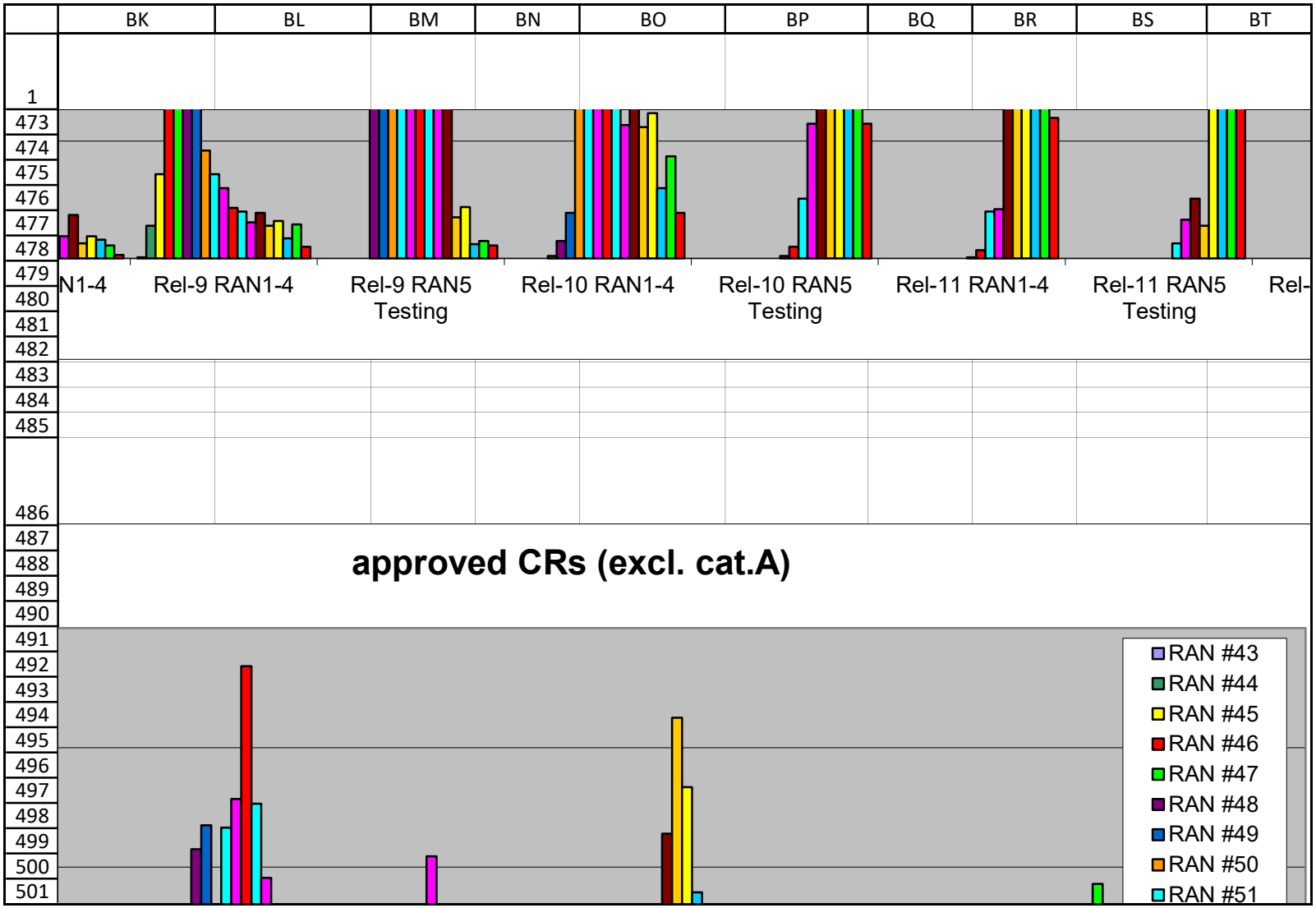
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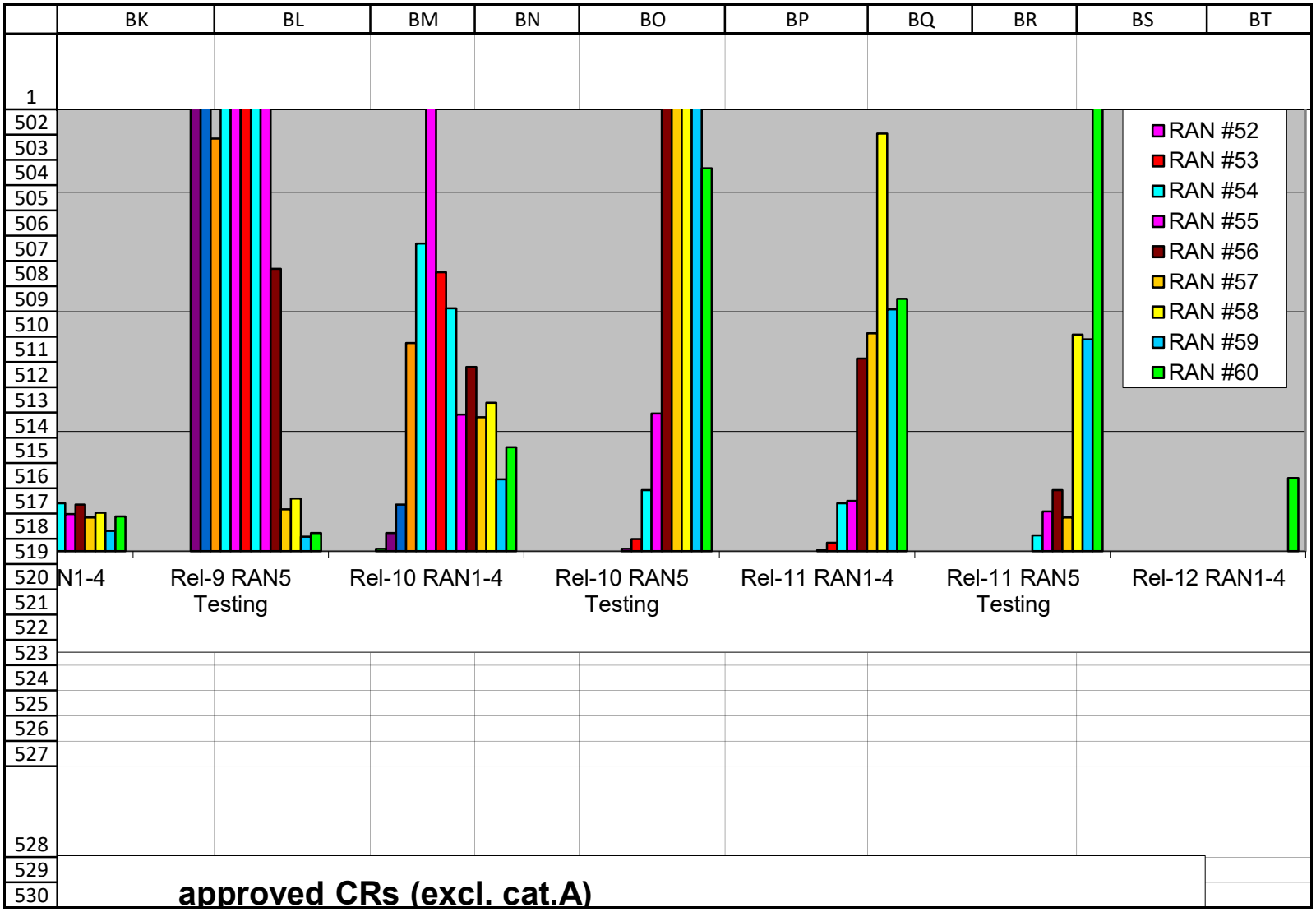
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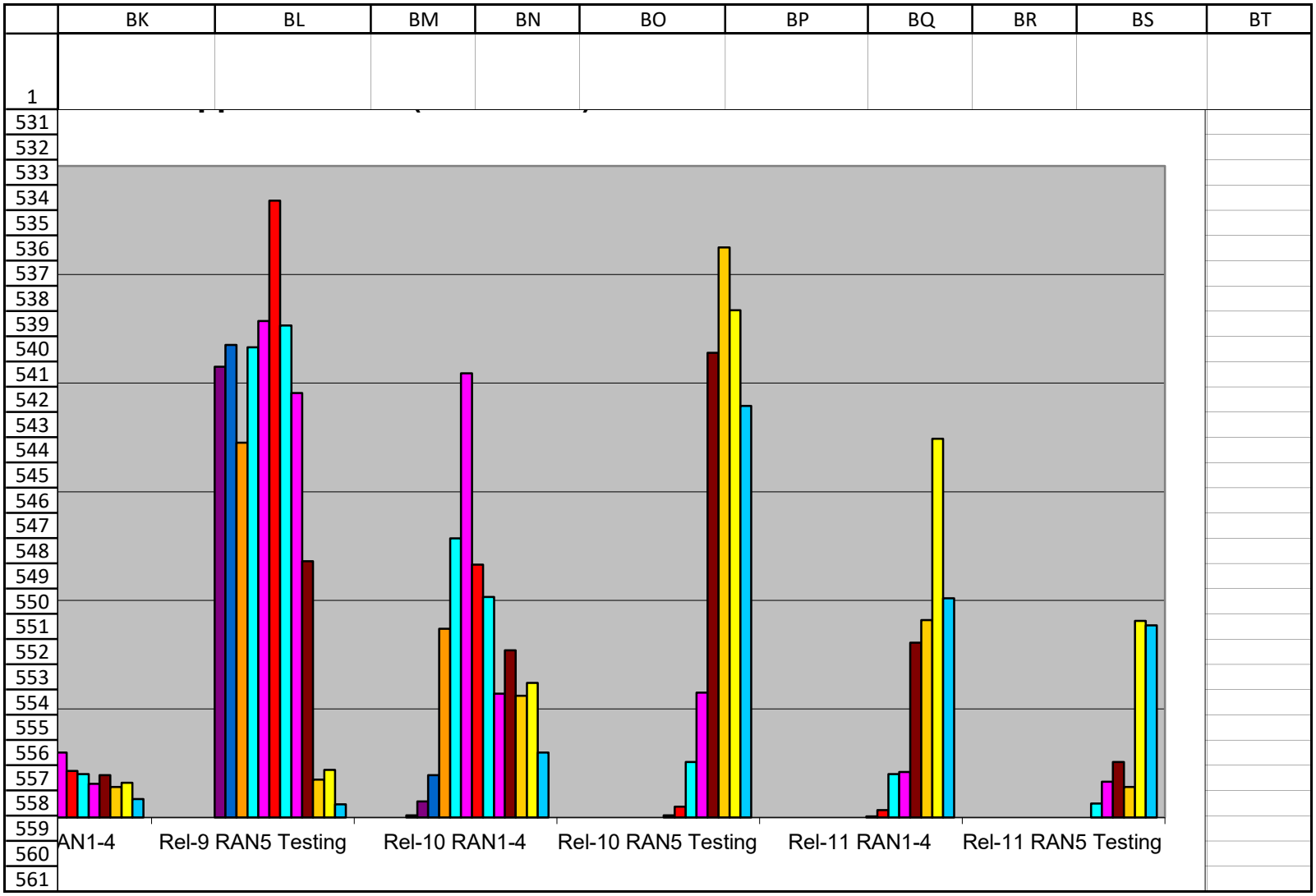
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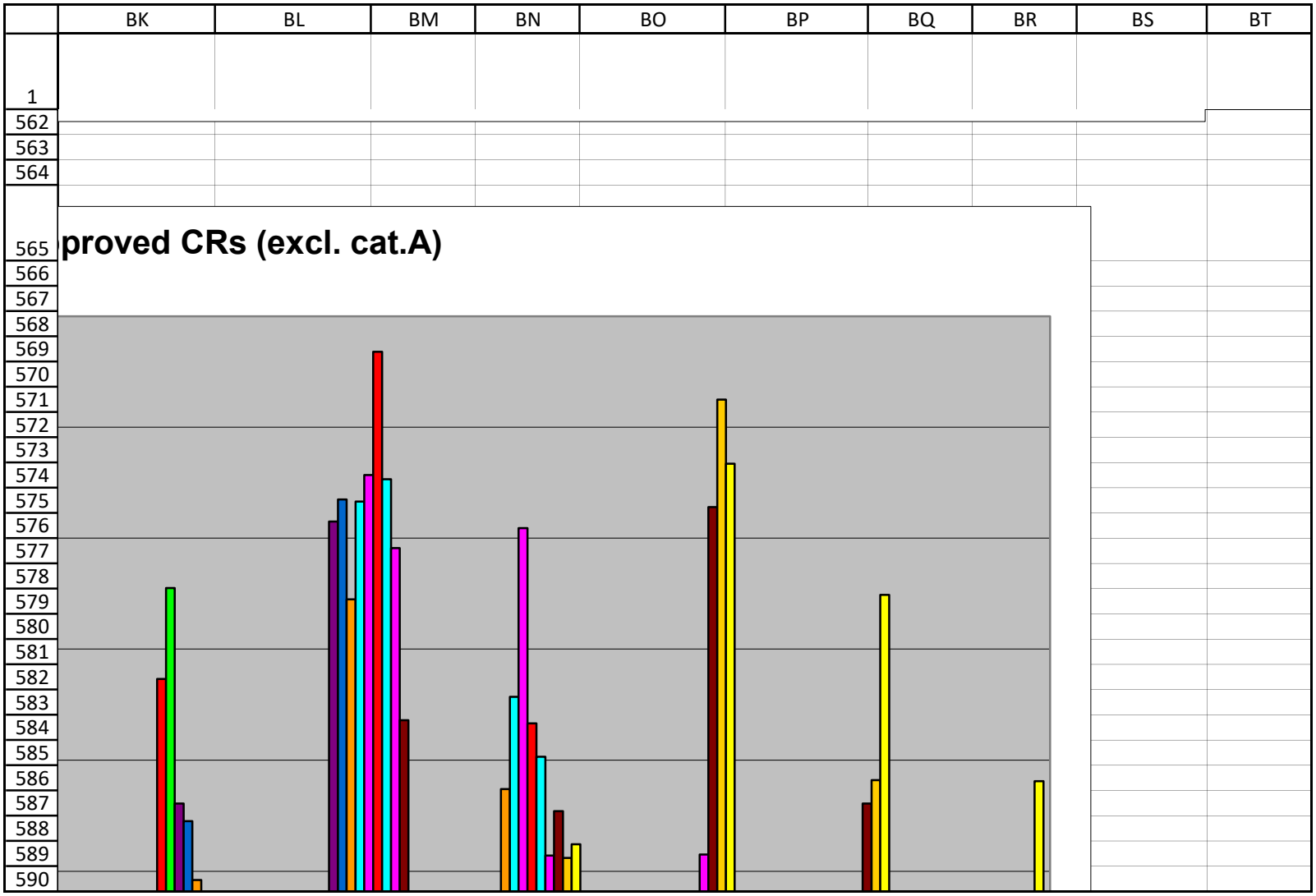
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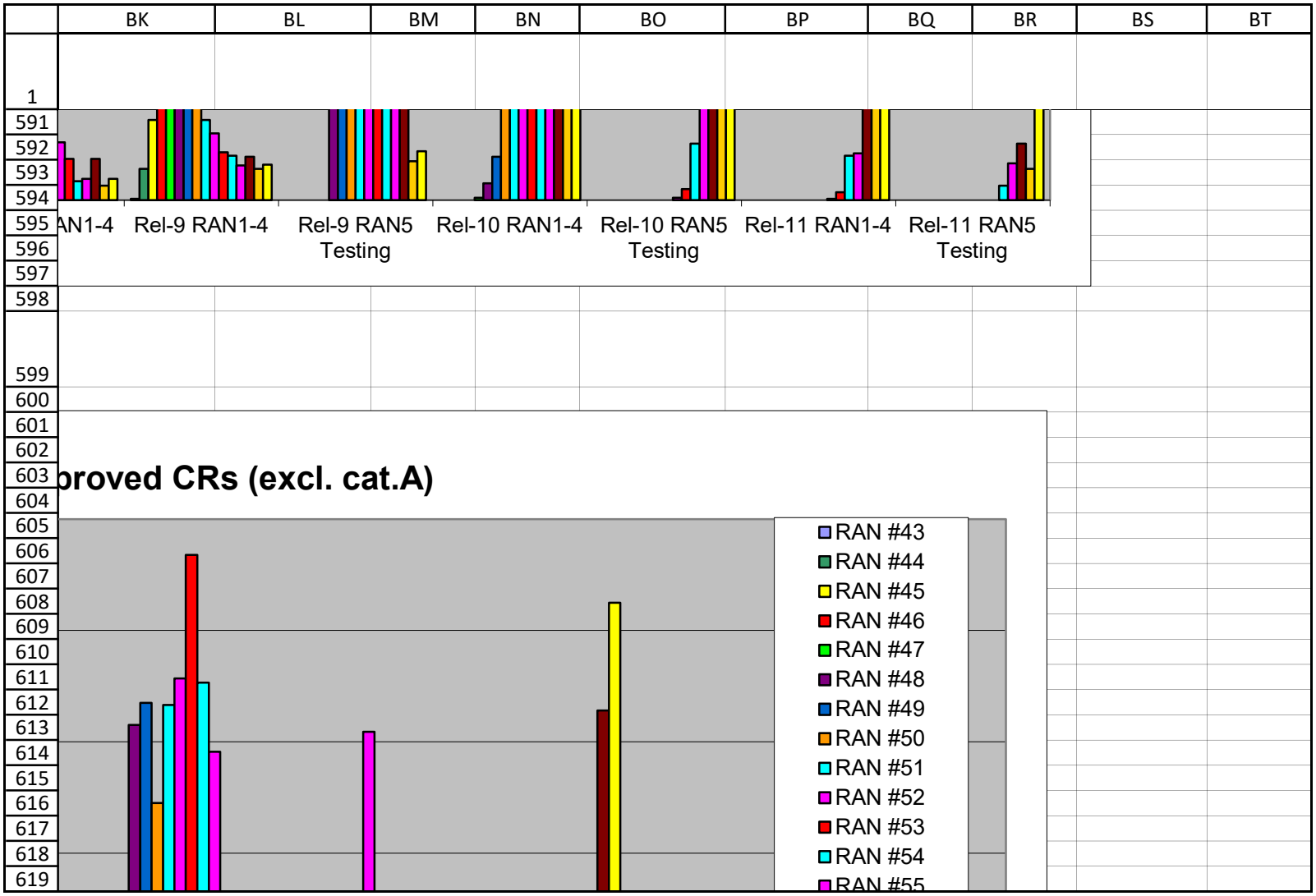
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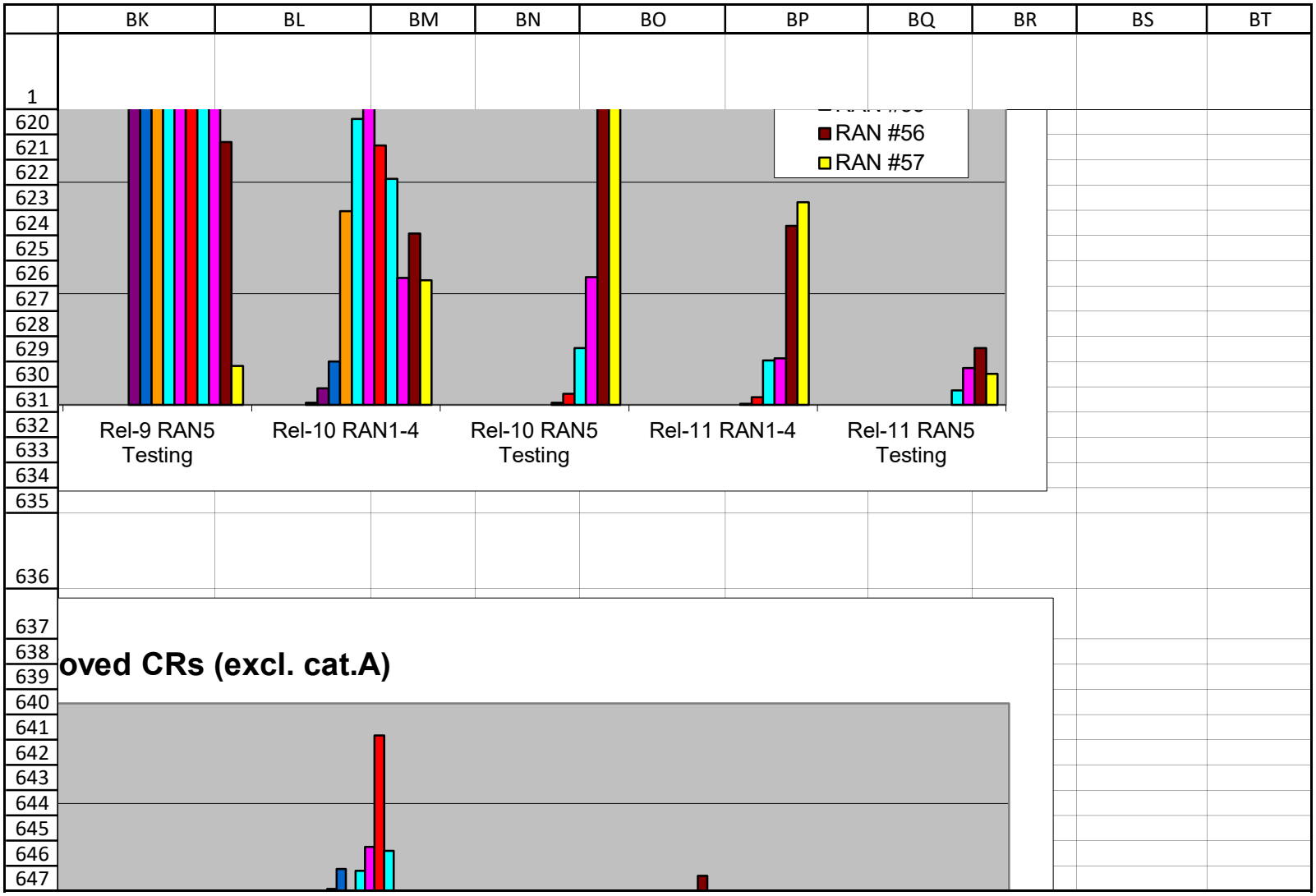
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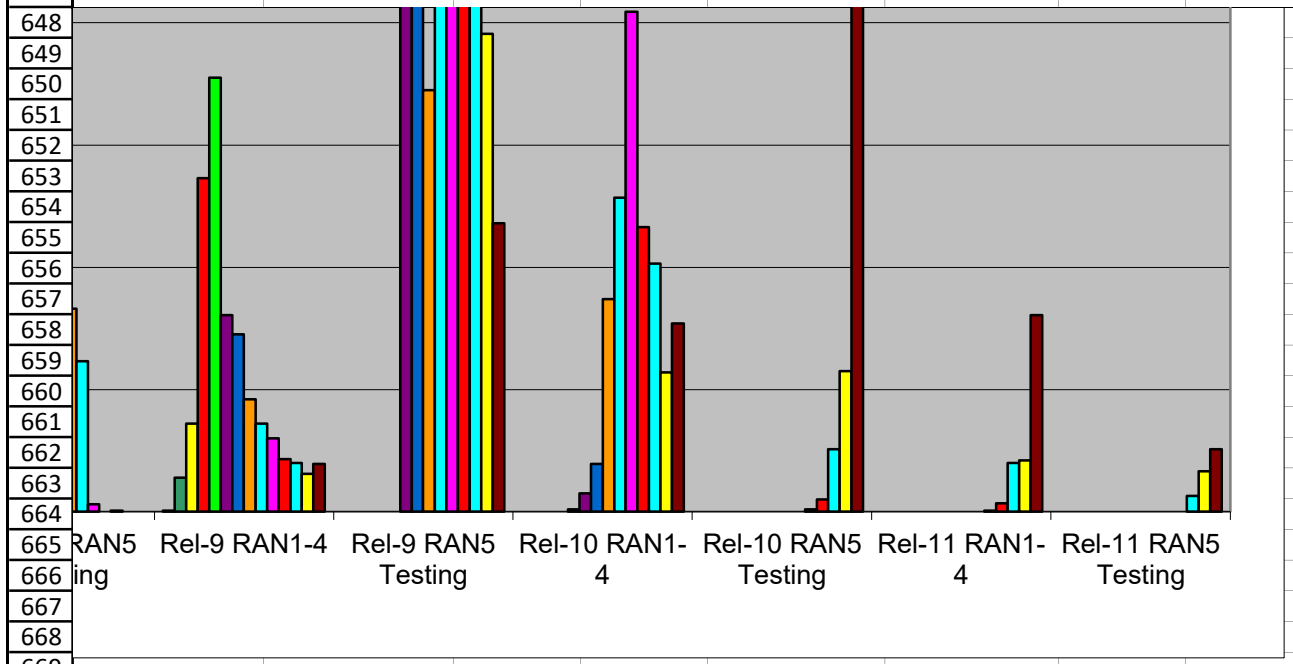
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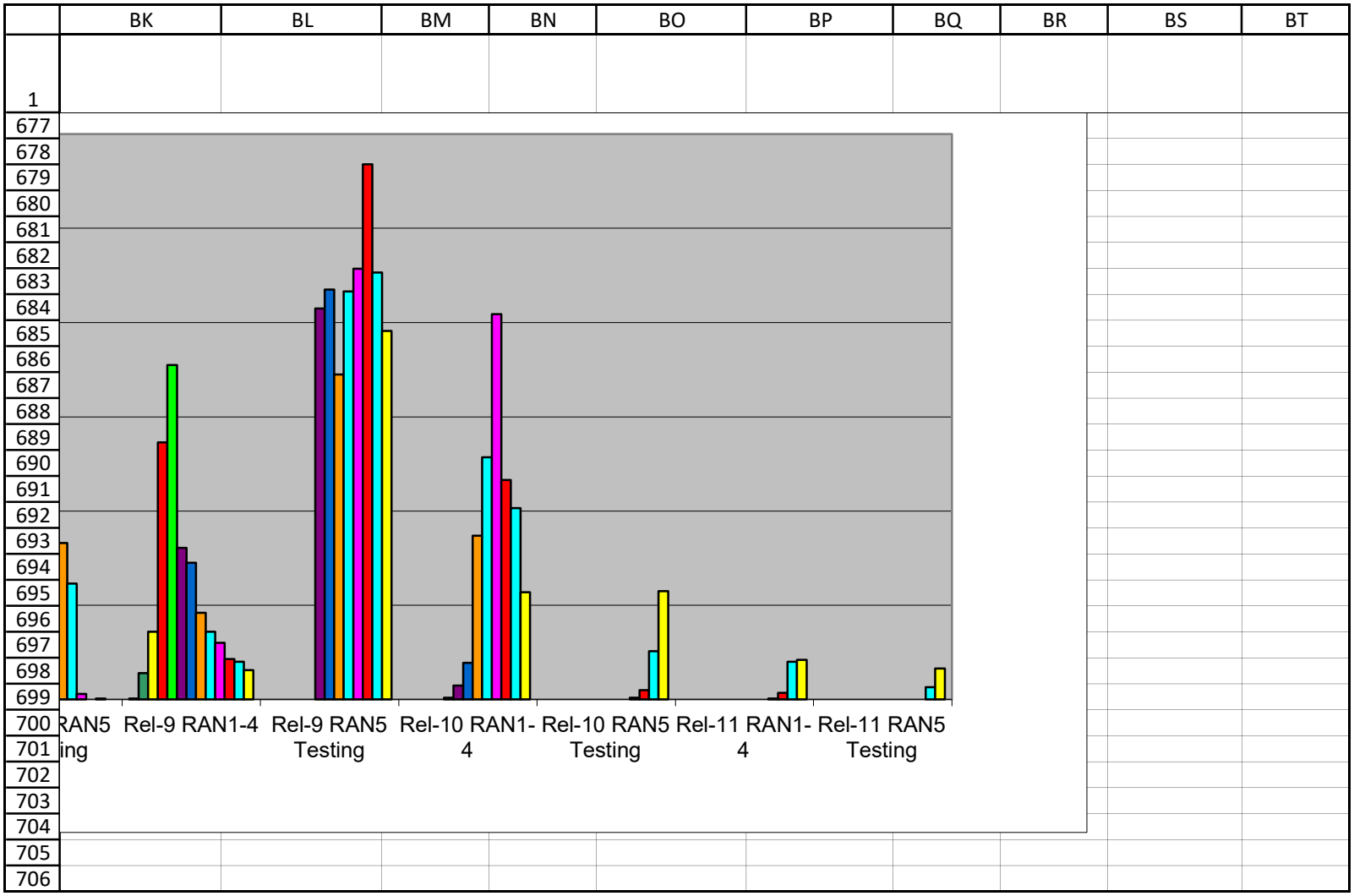


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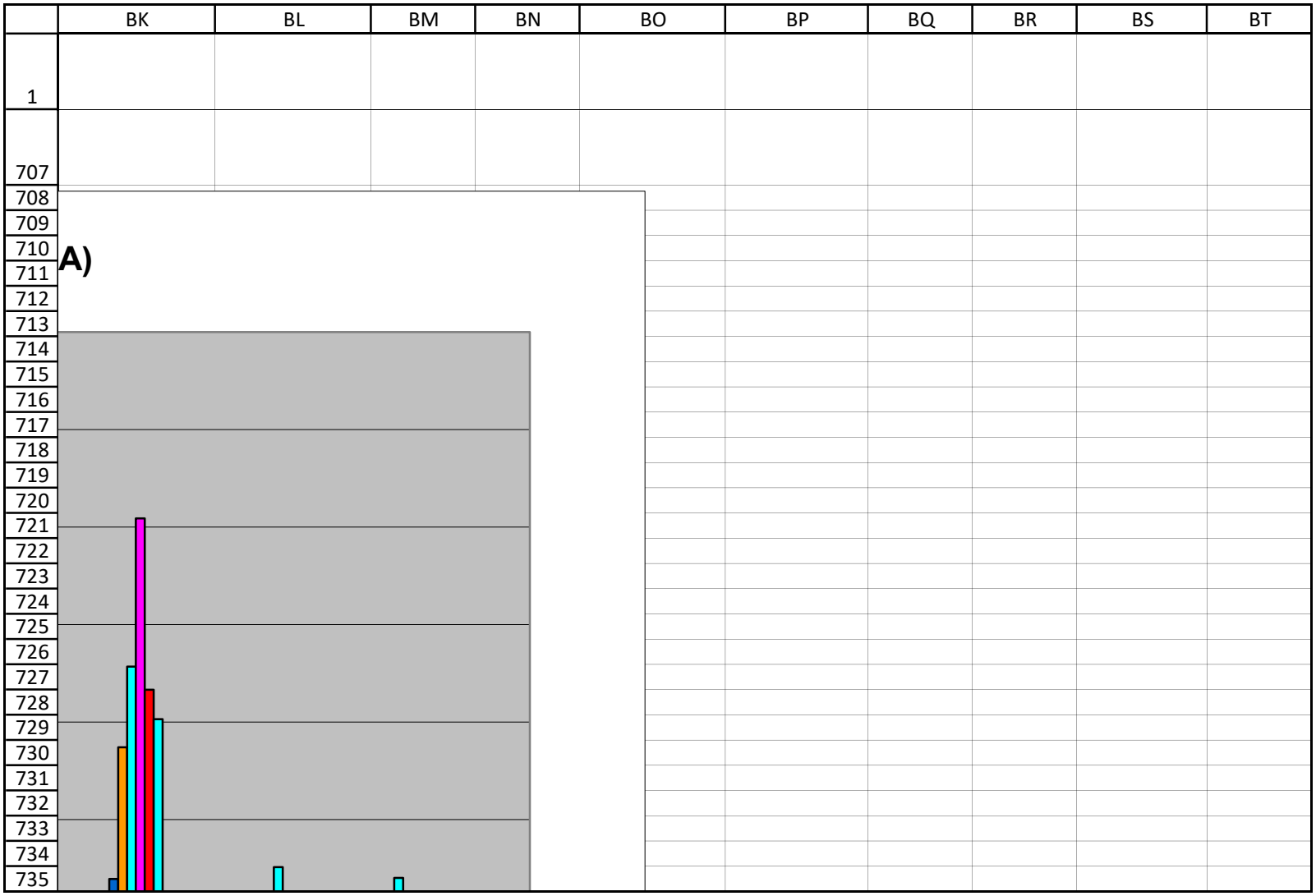


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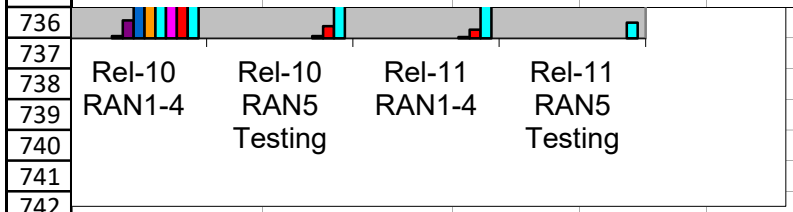
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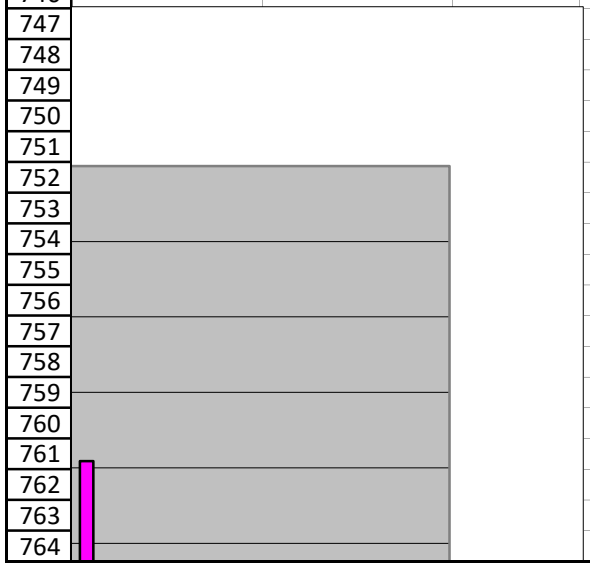


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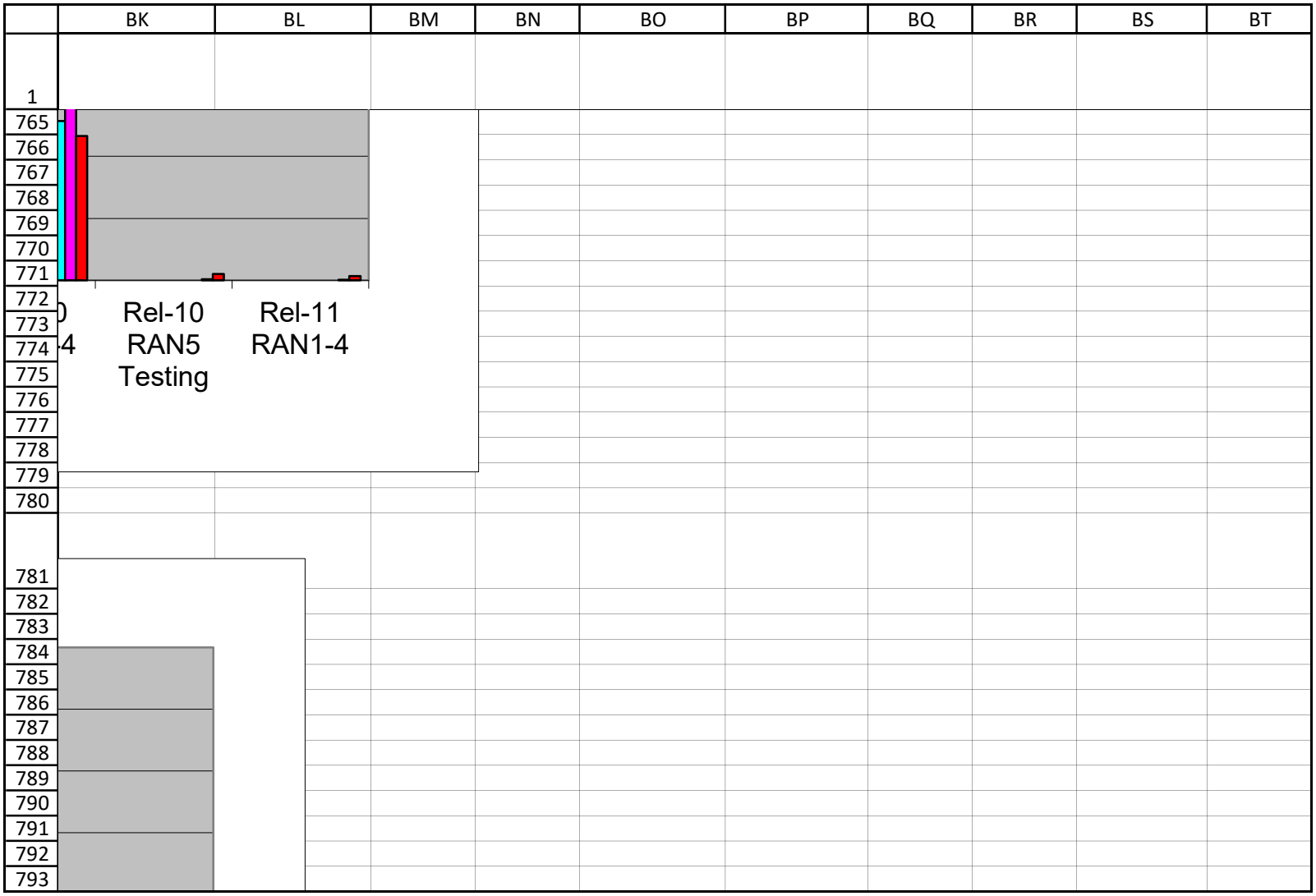
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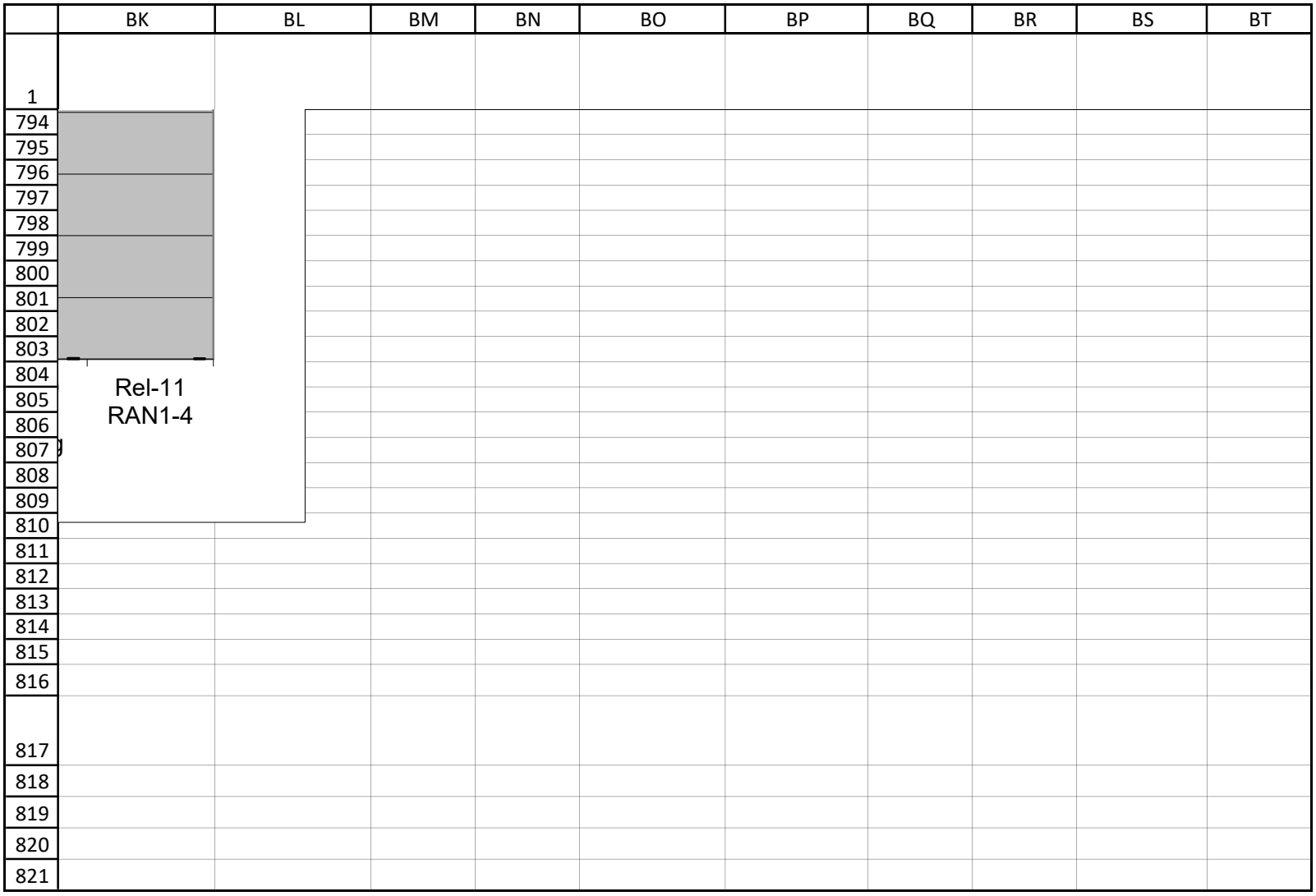


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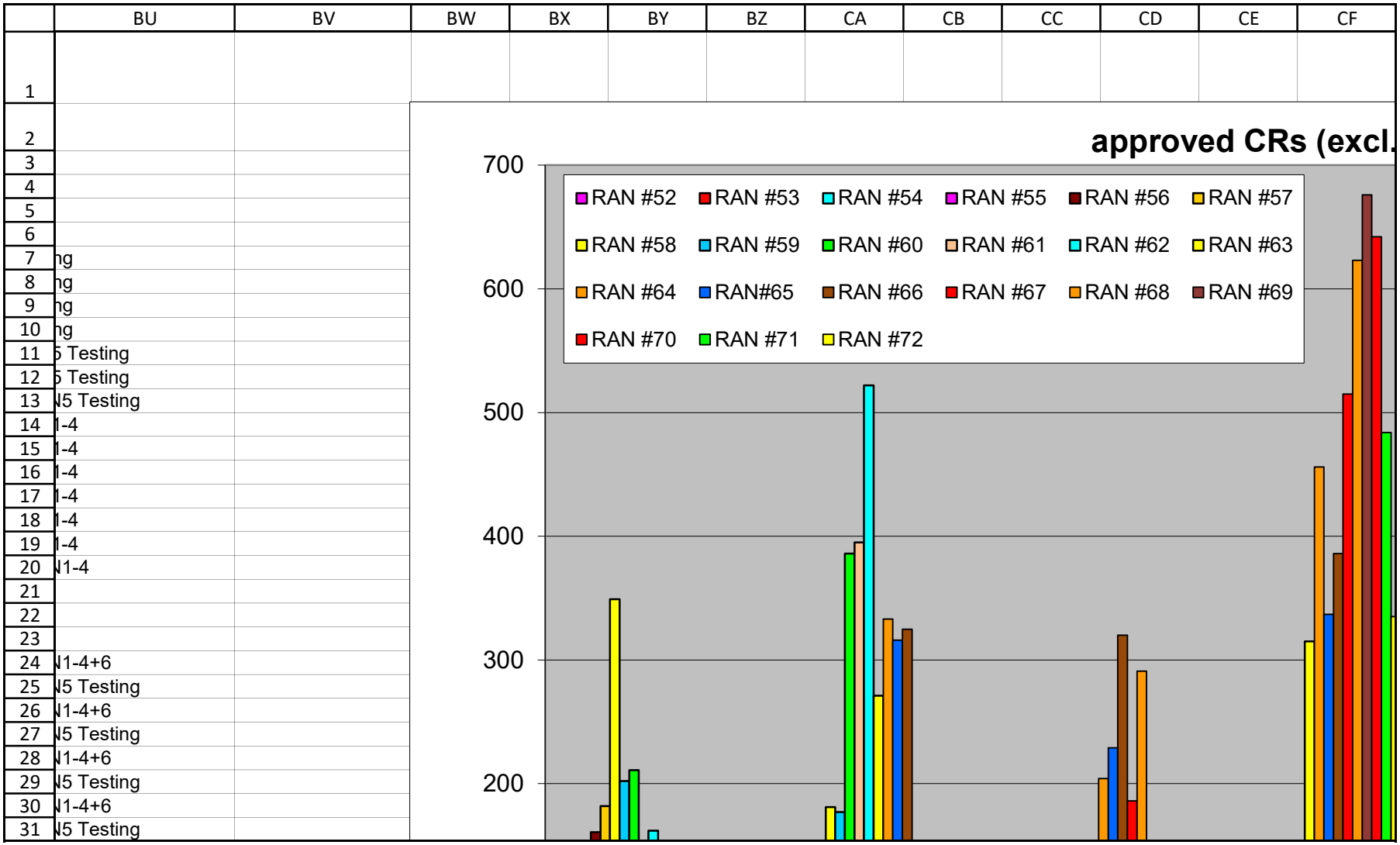
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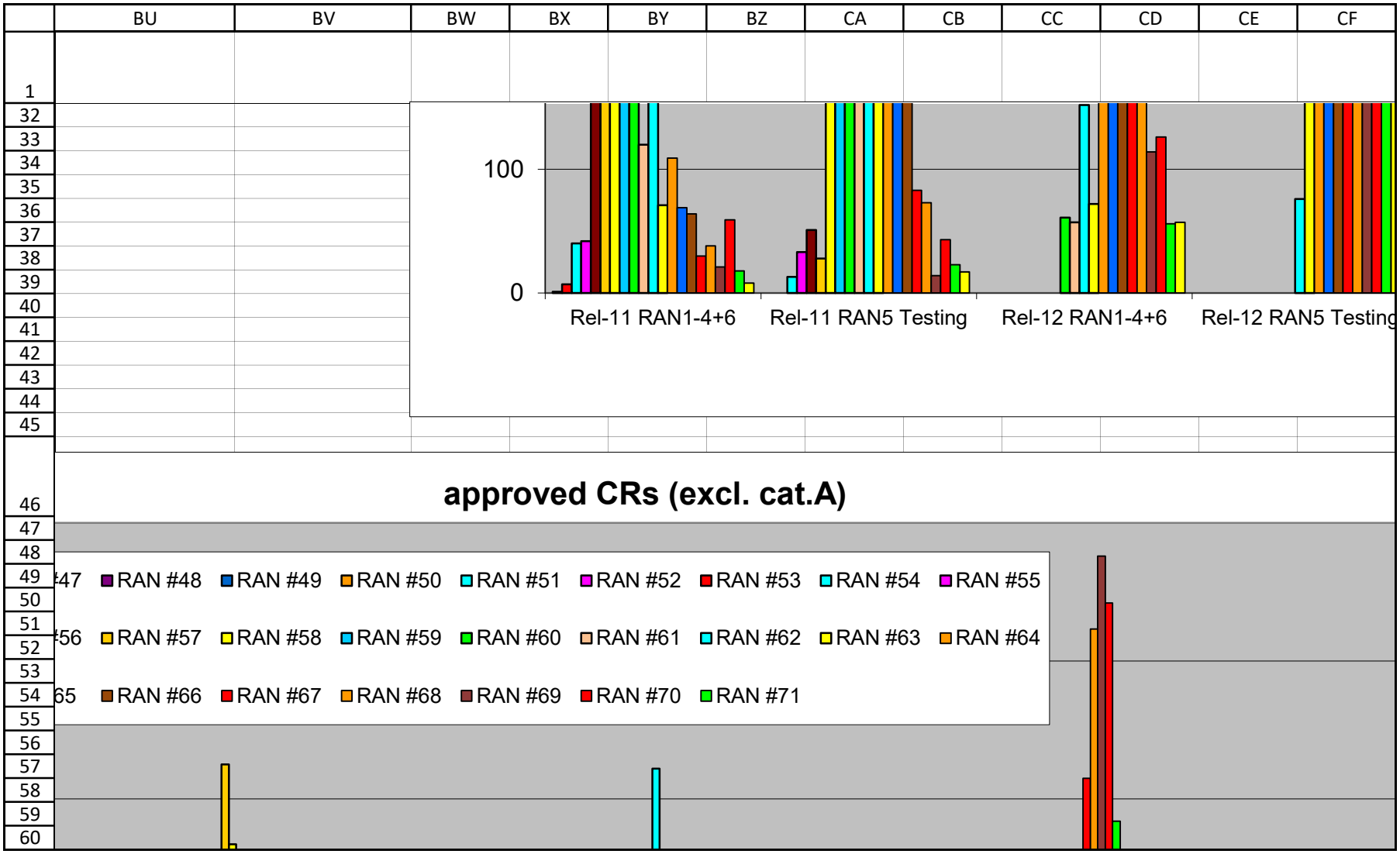
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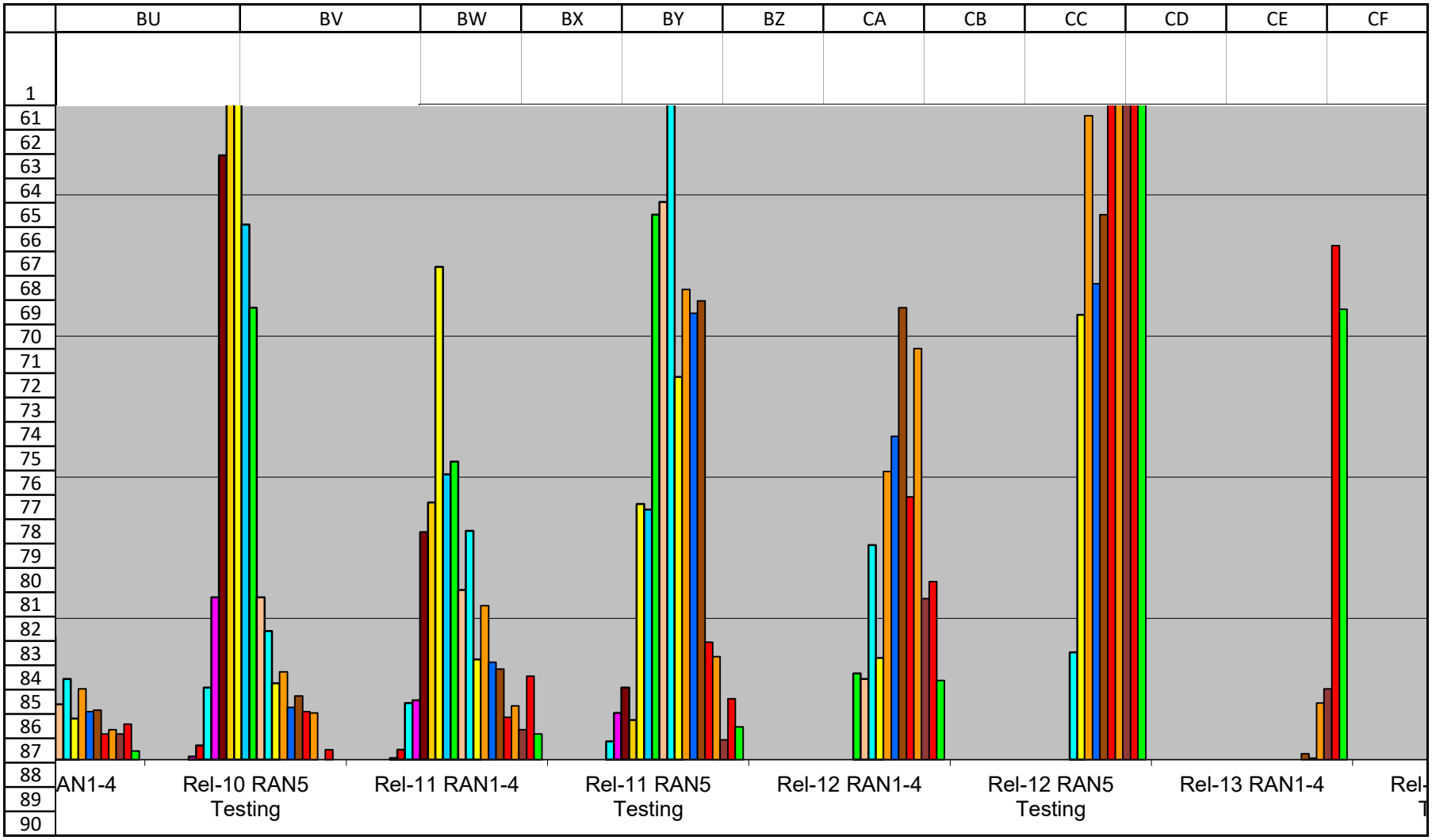
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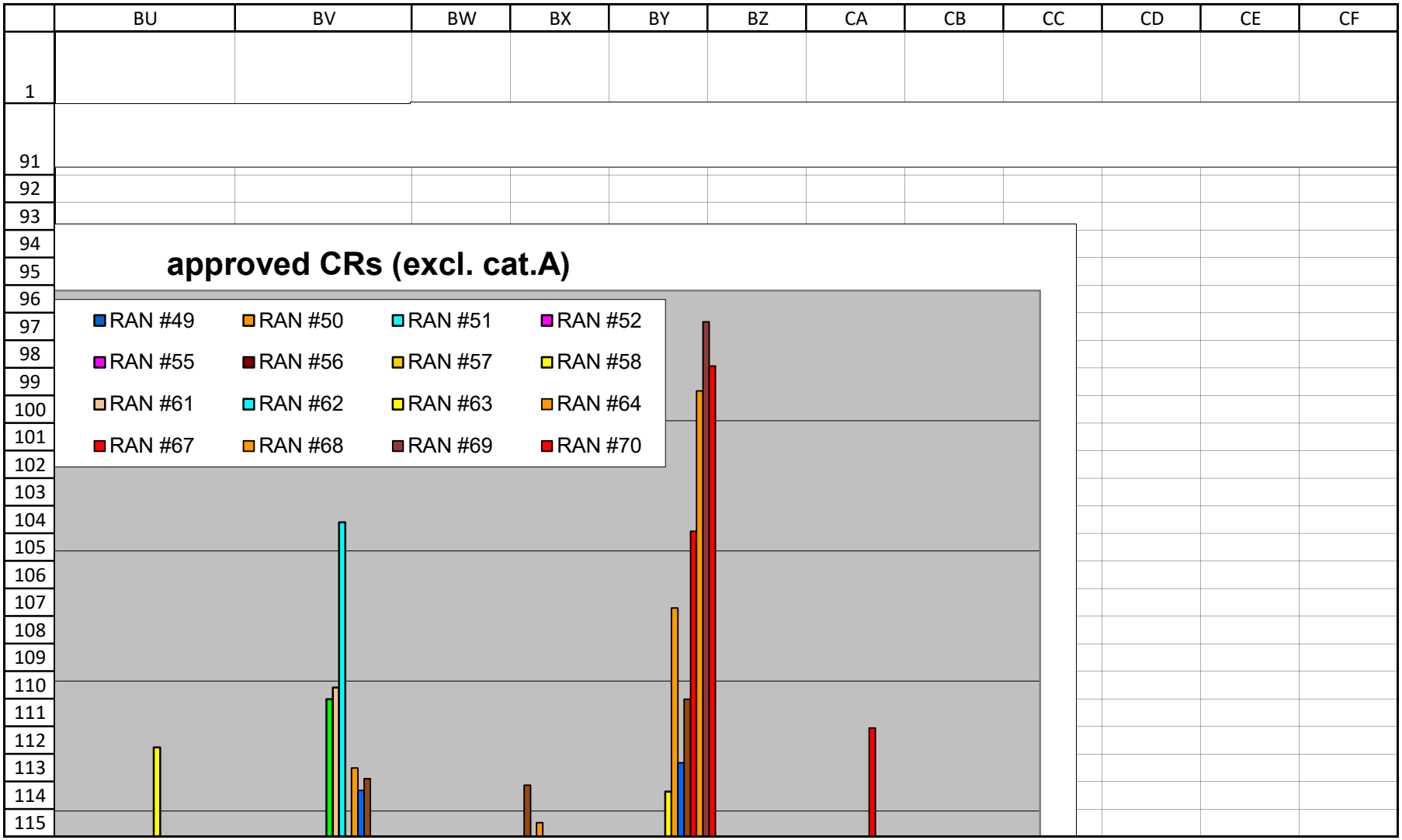
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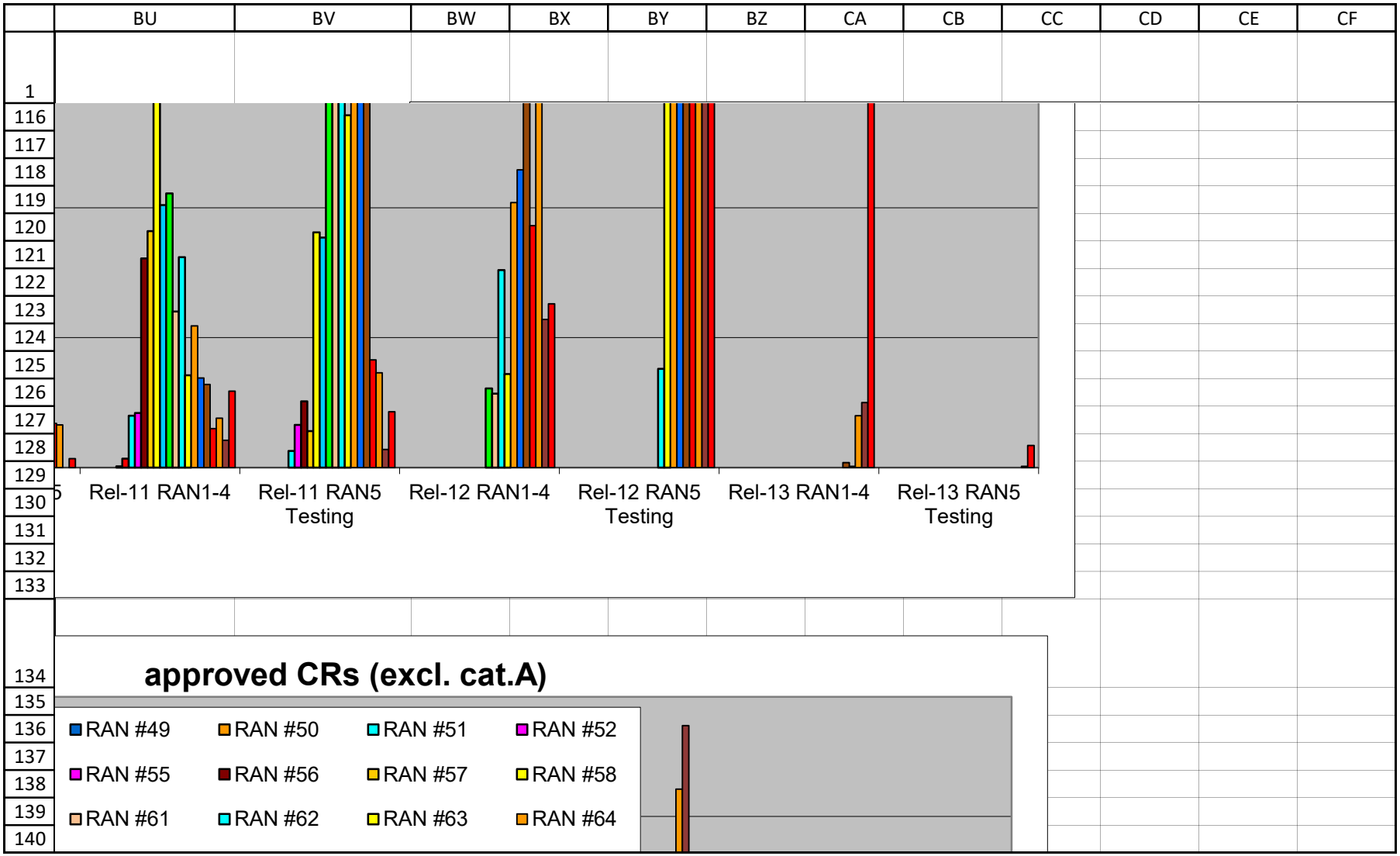
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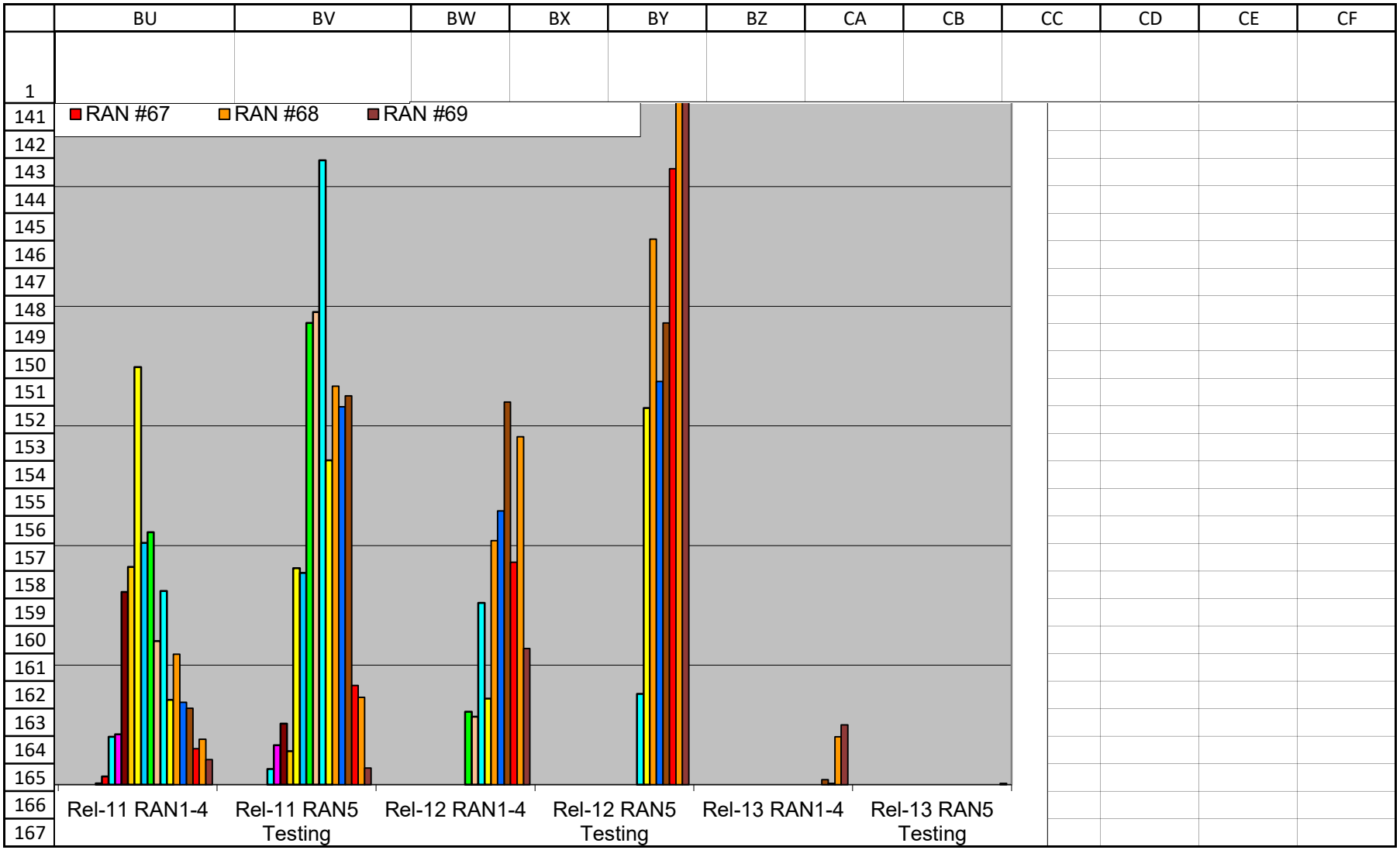
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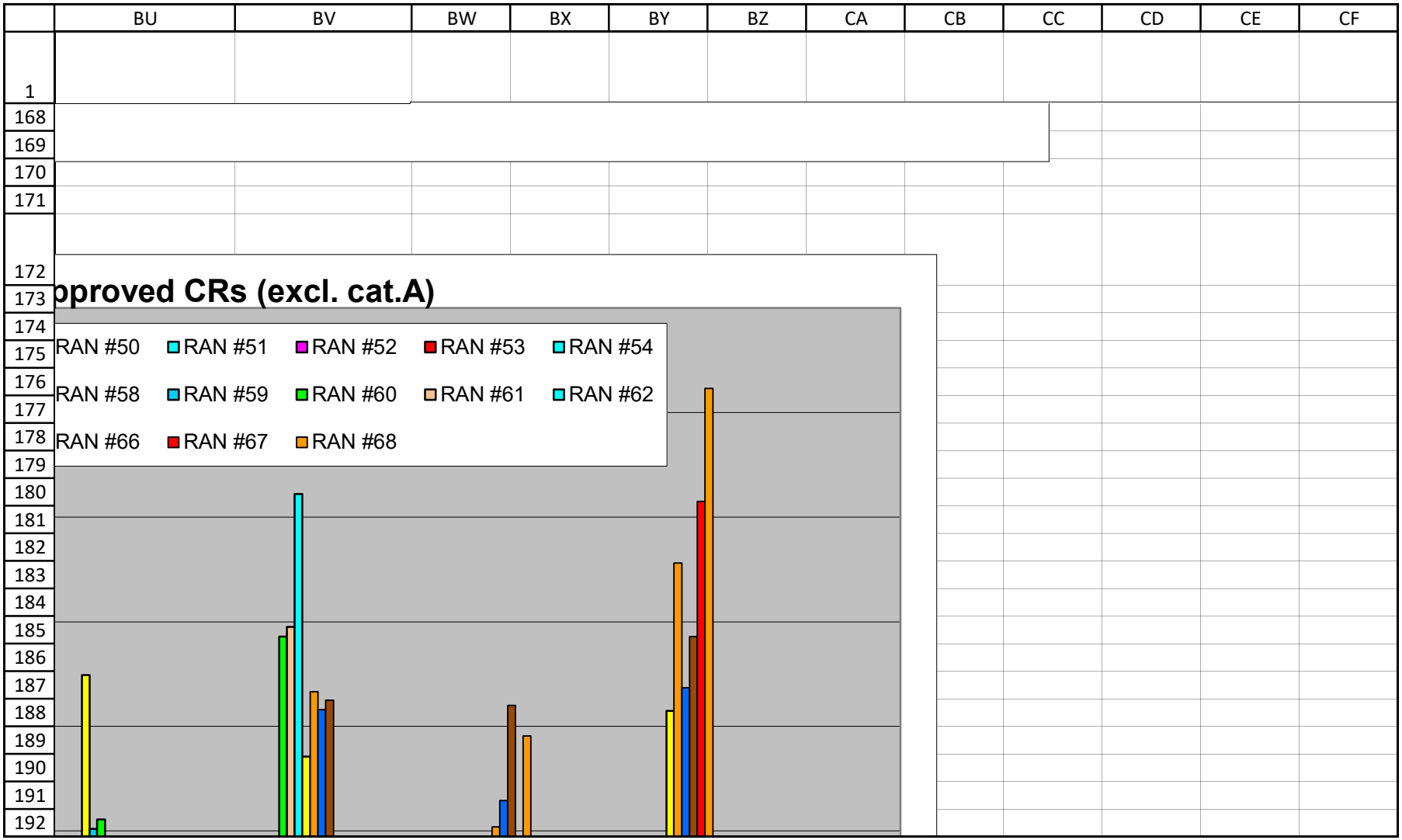
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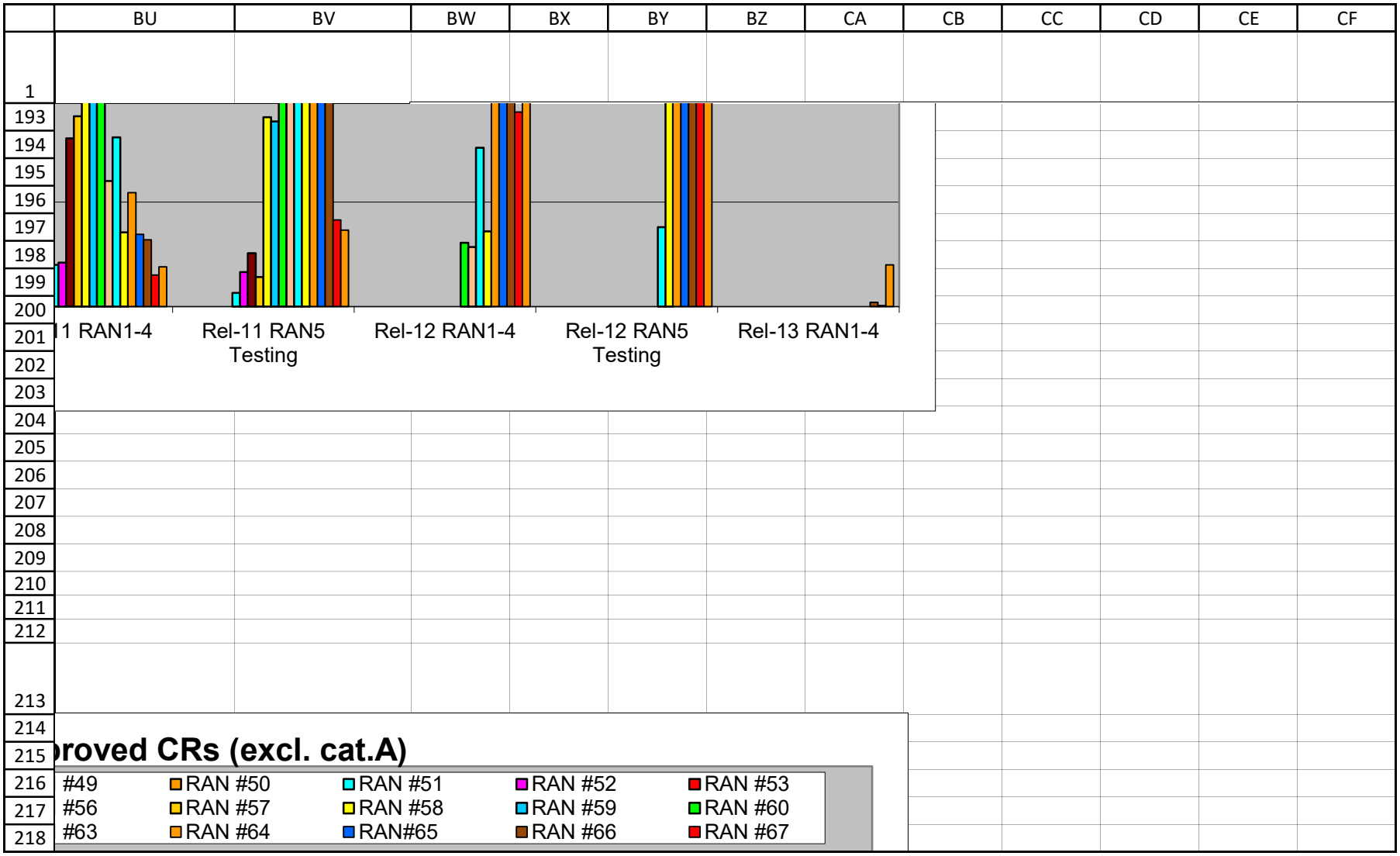
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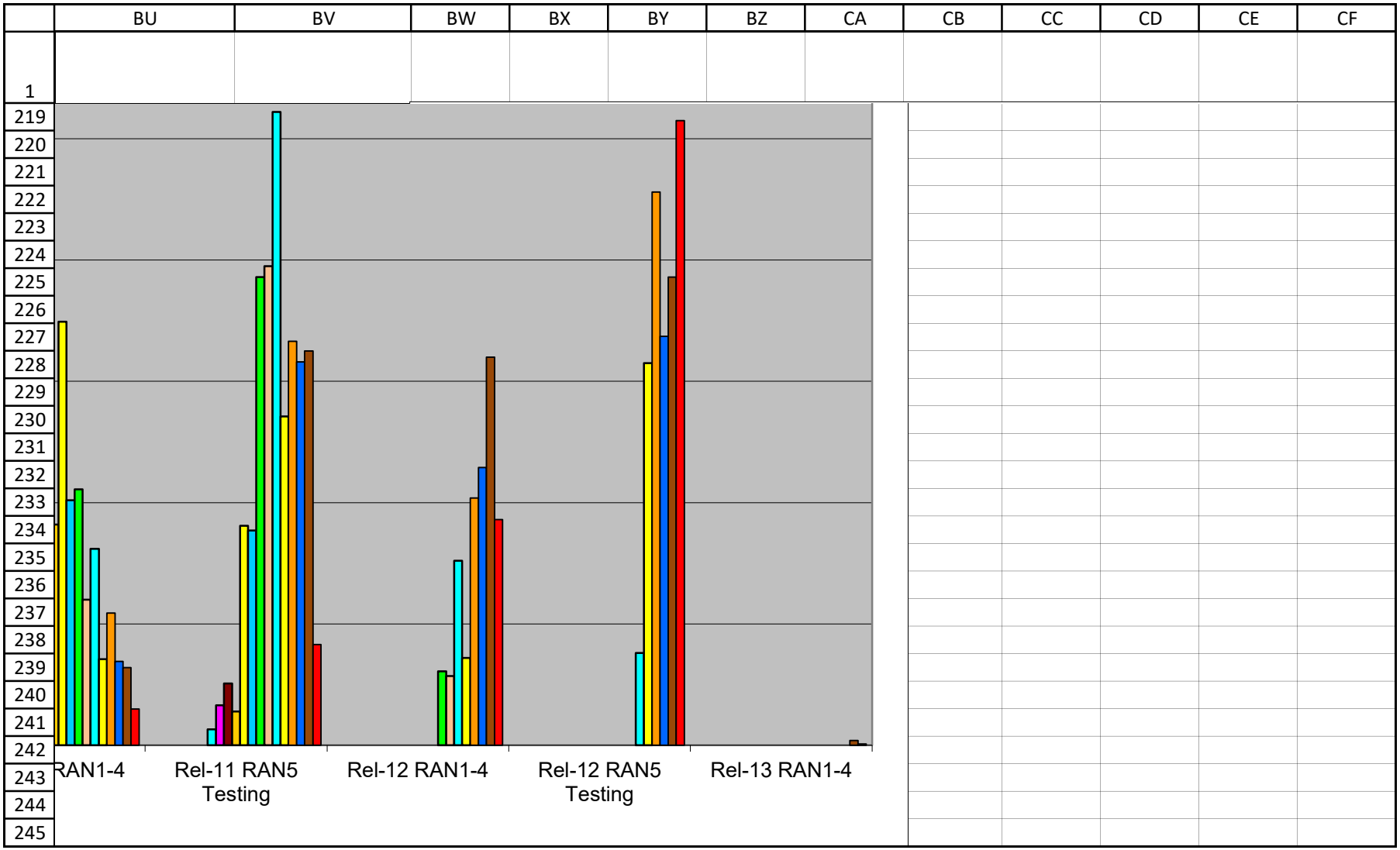
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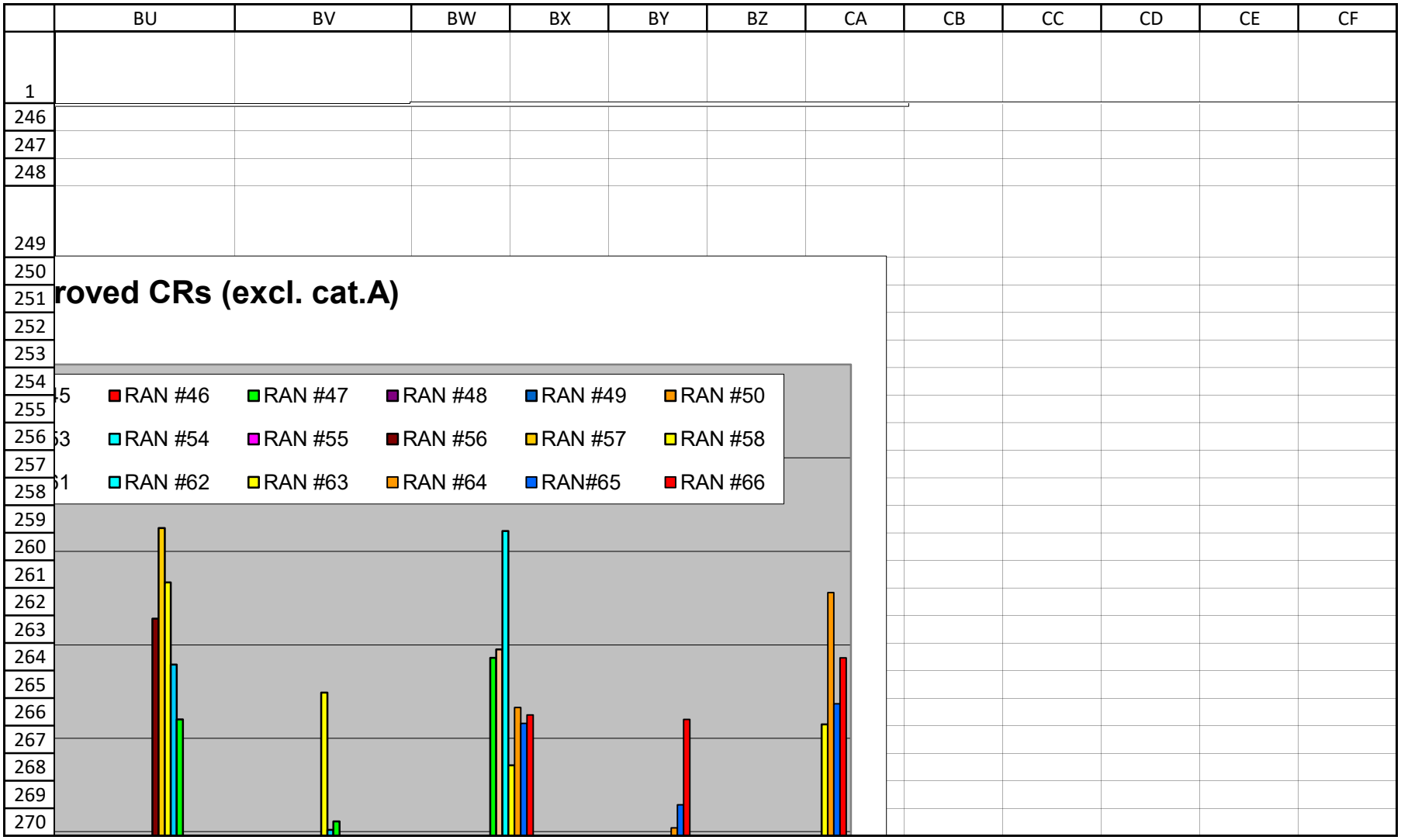
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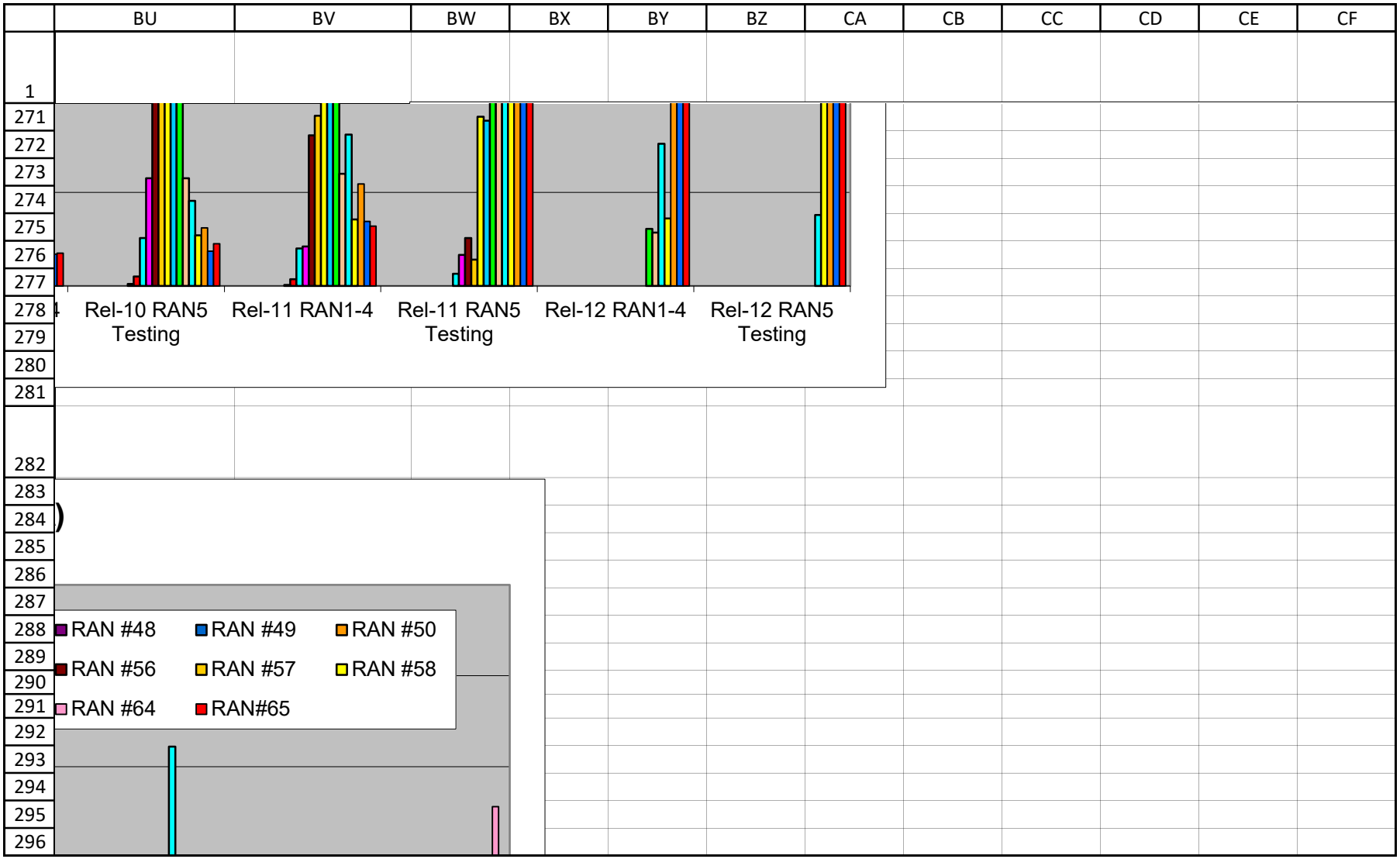
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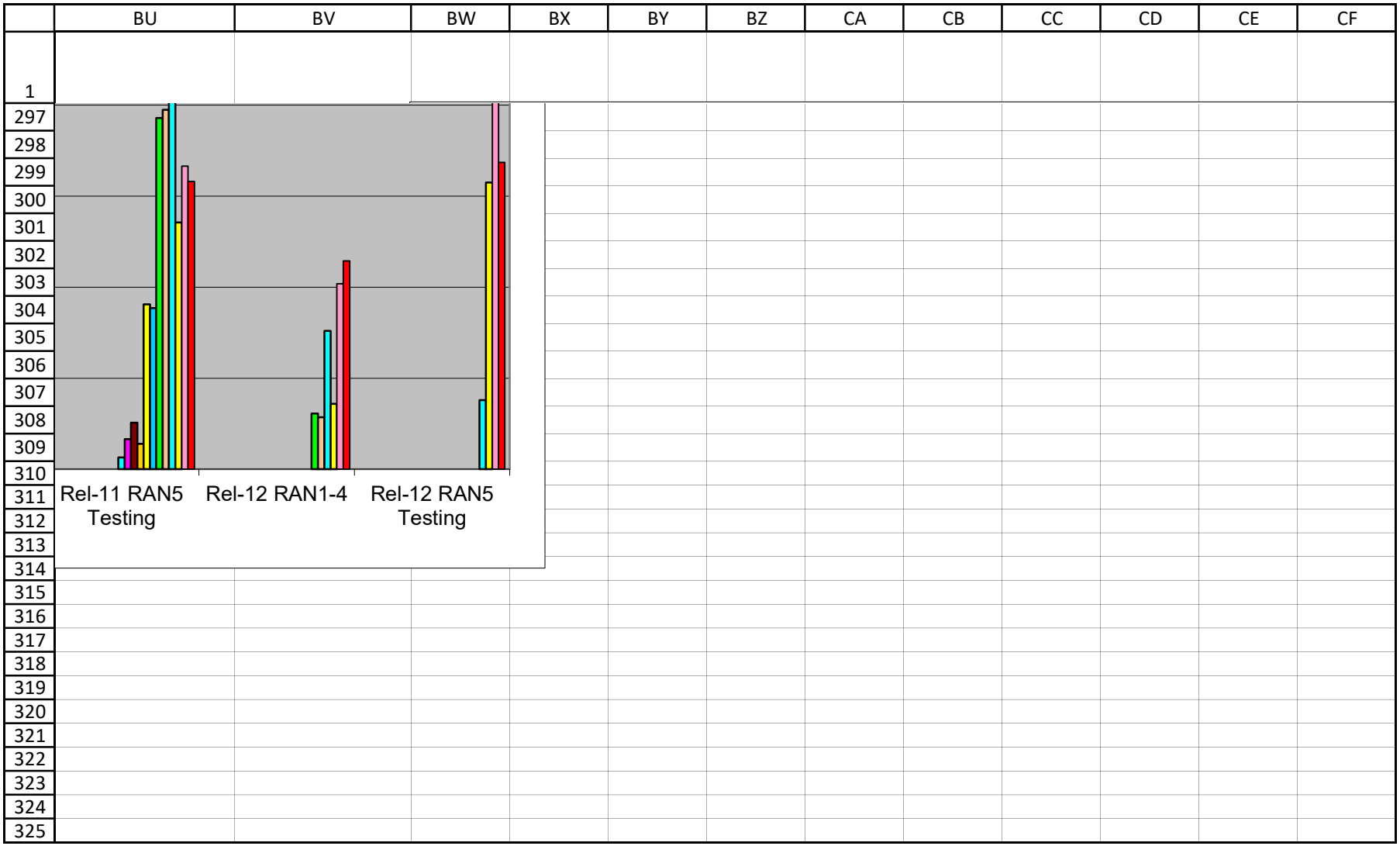
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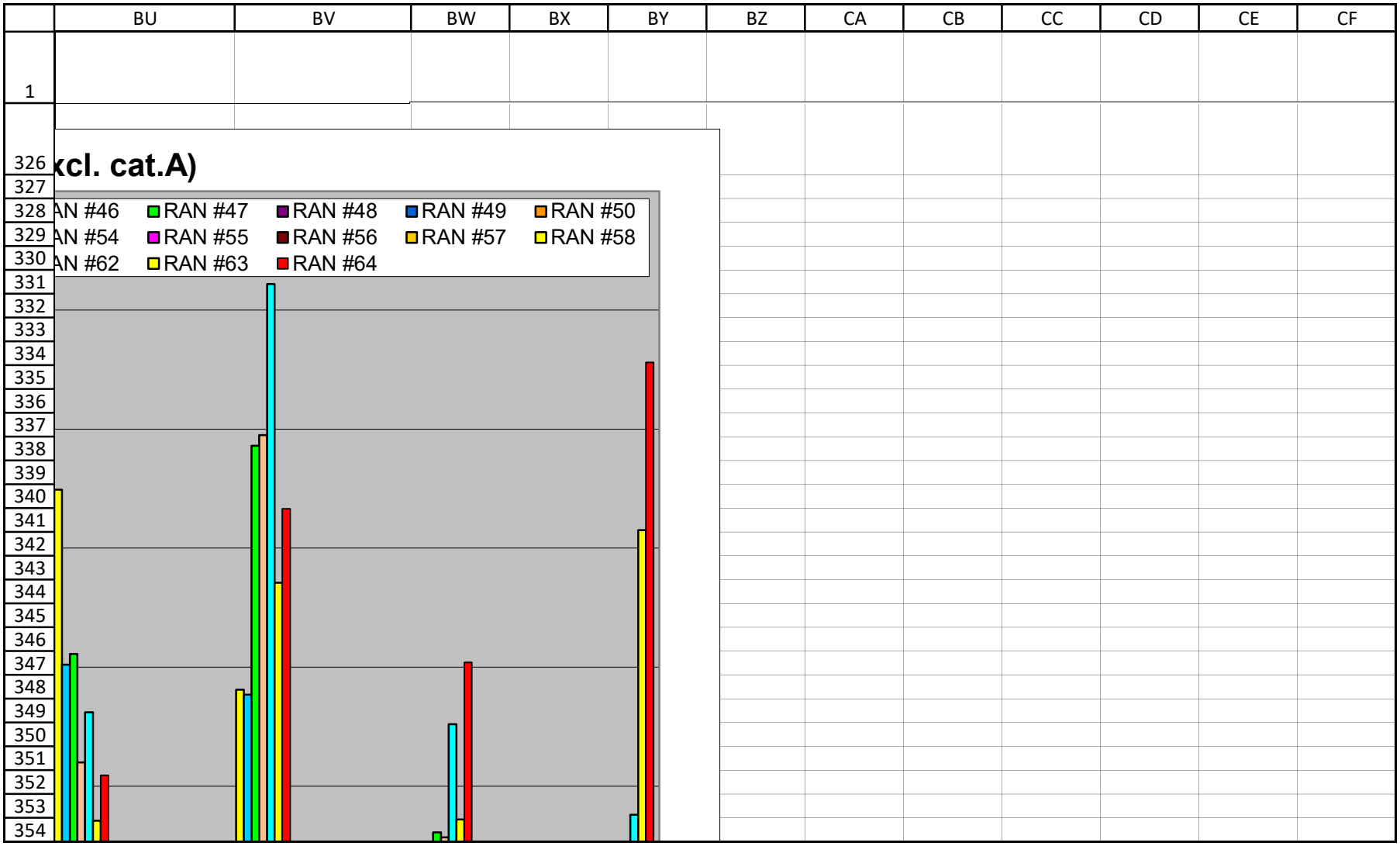
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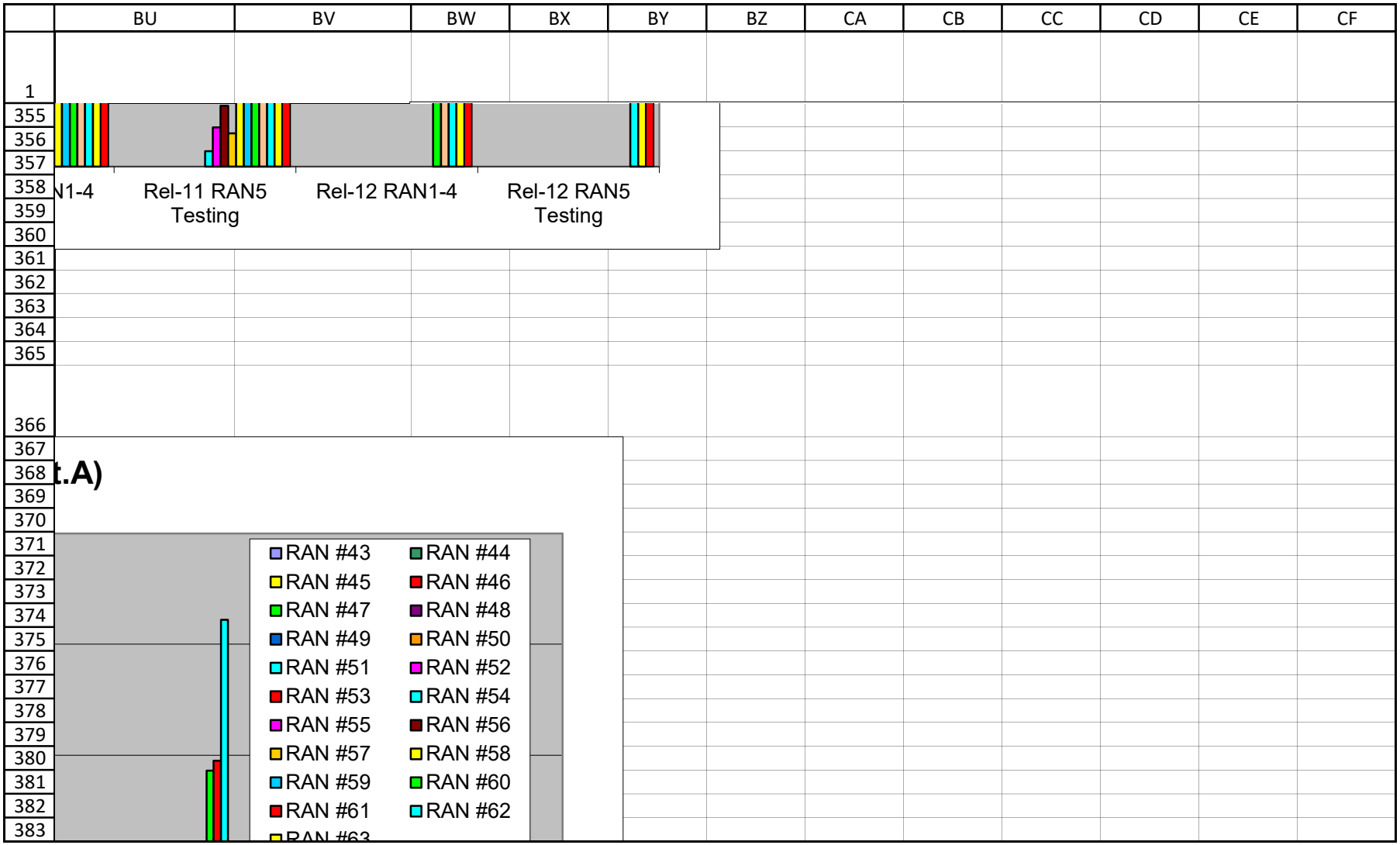
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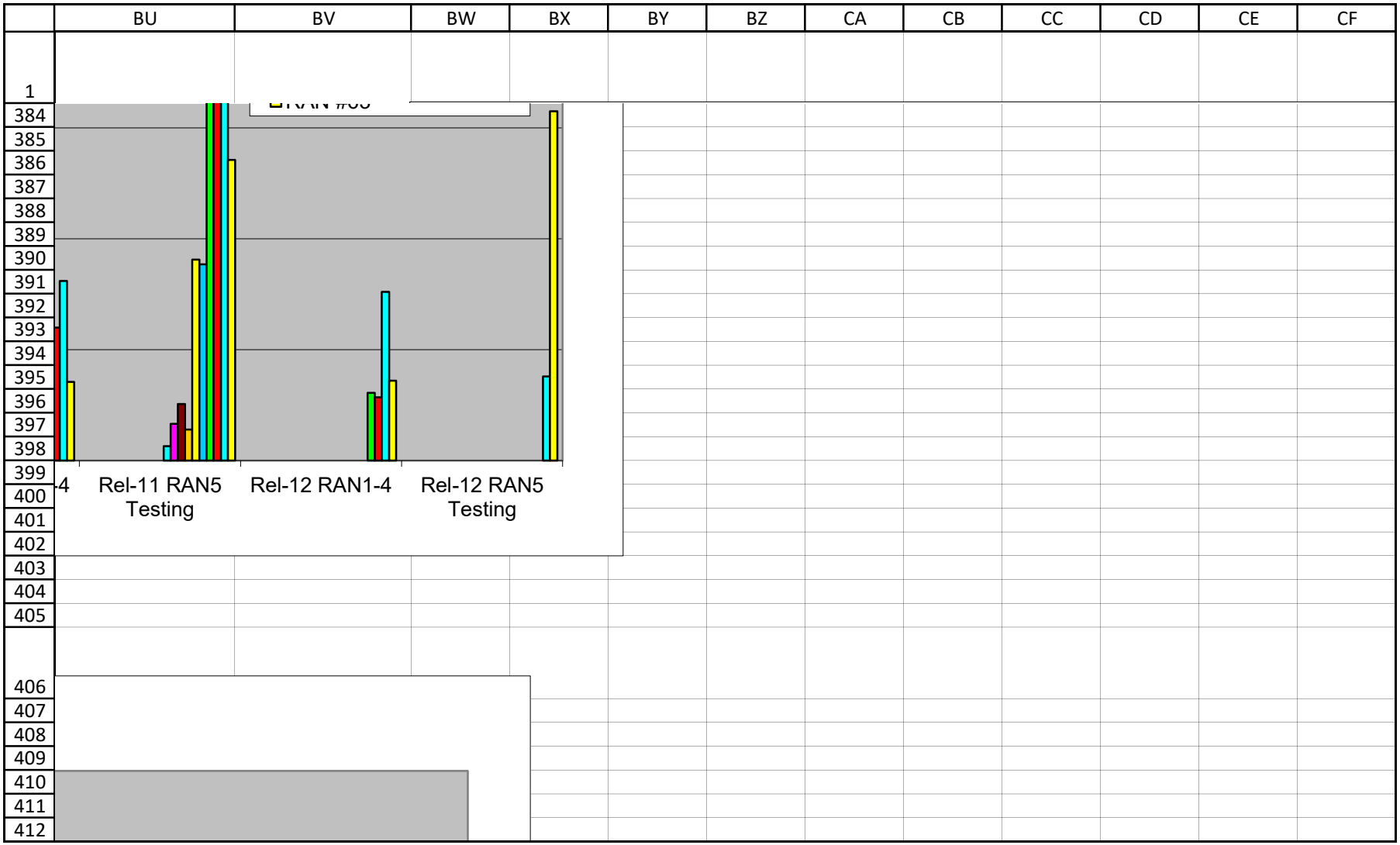
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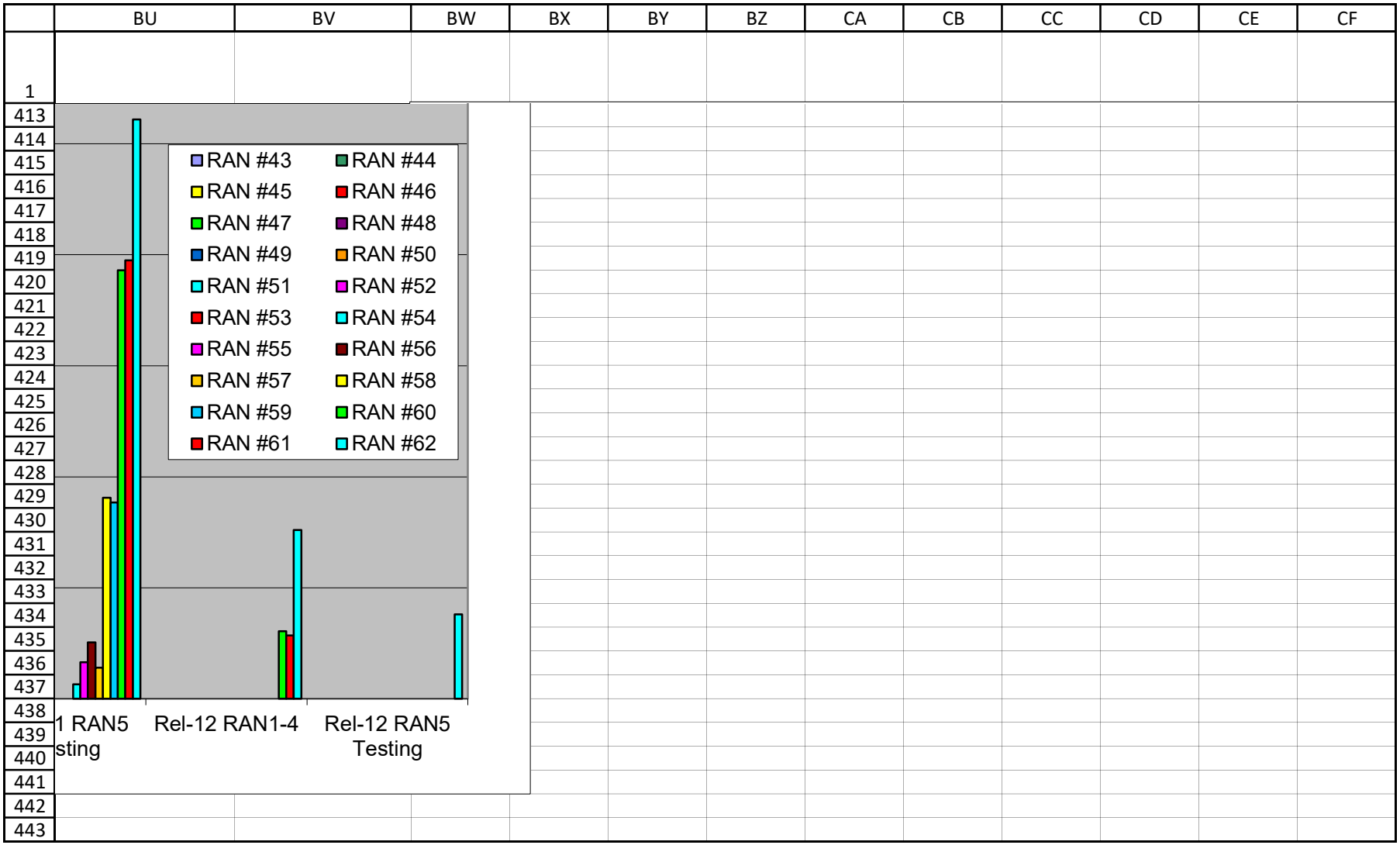
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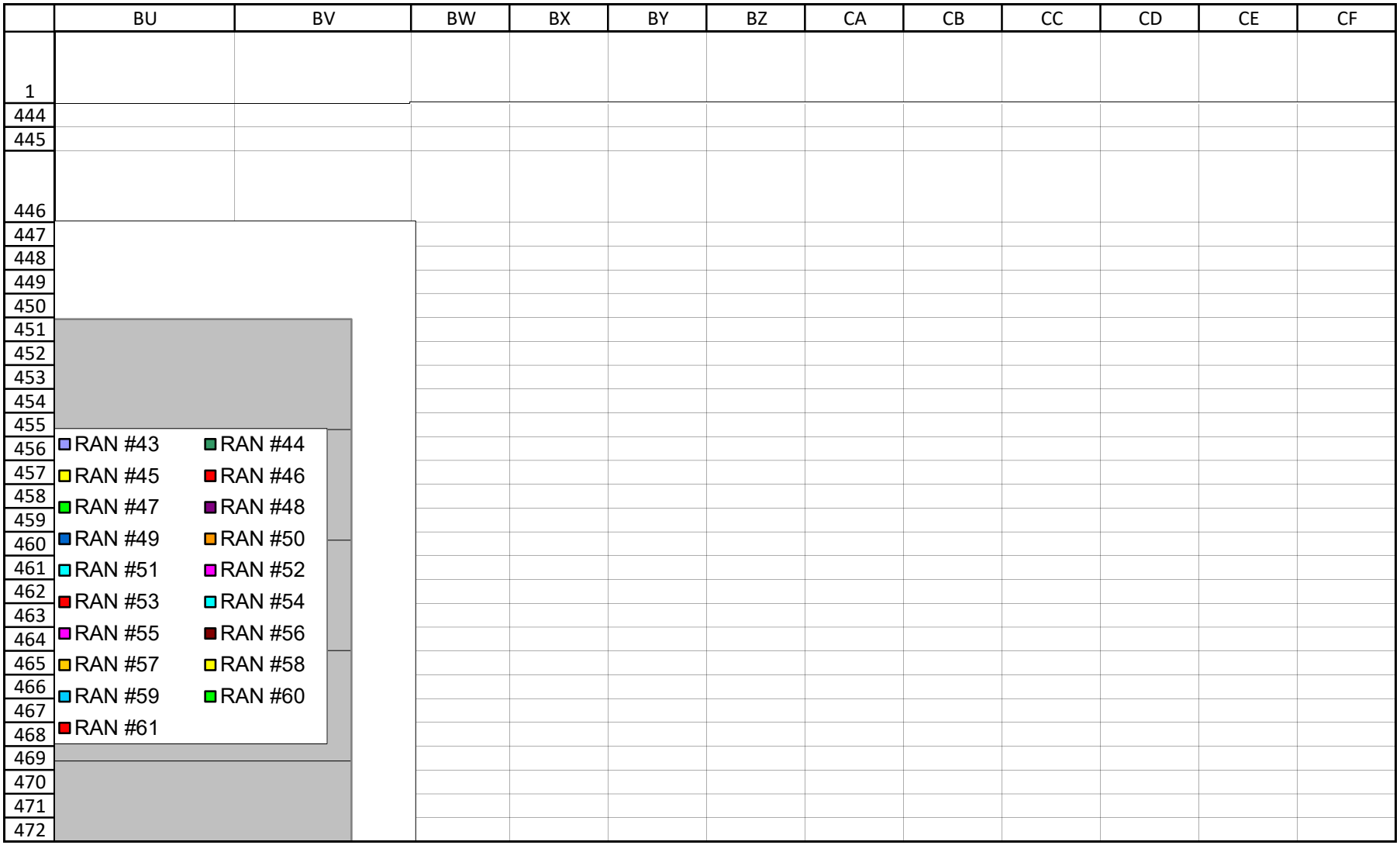
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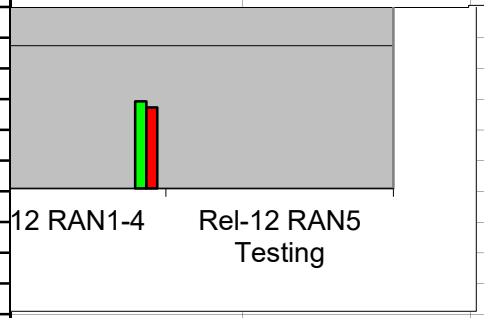
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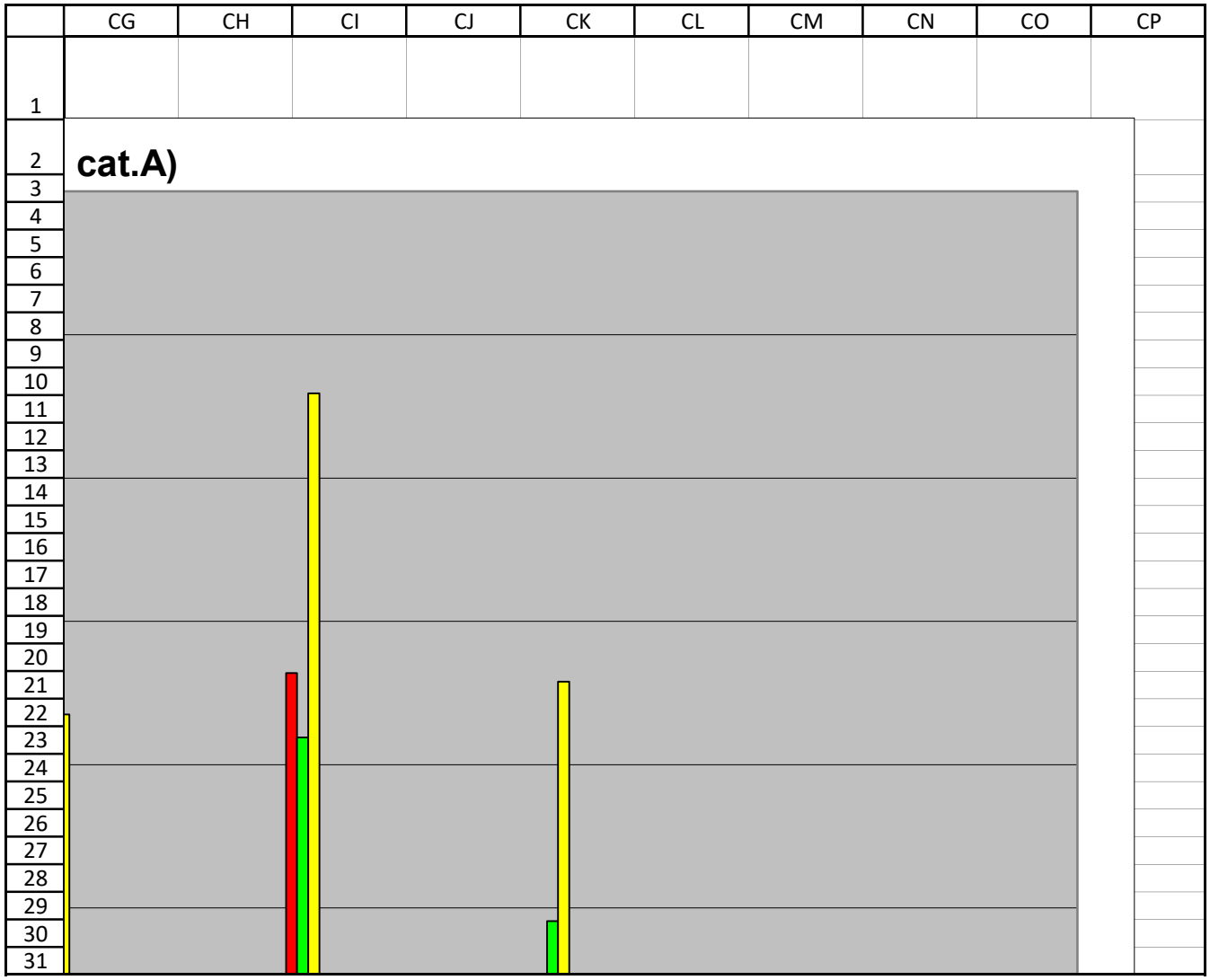
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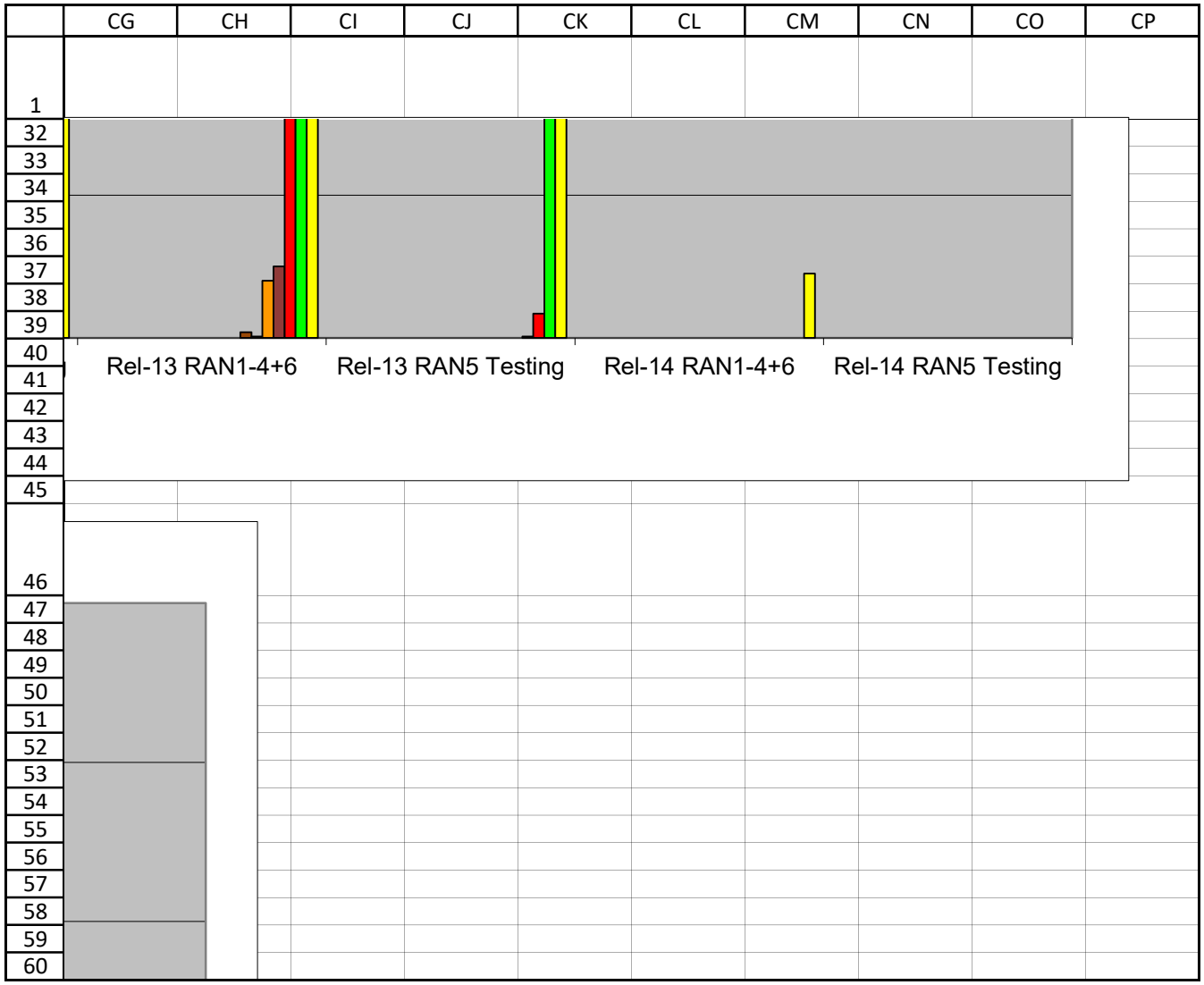
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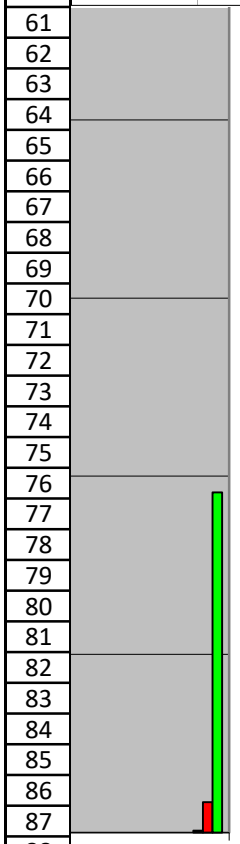
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1	**Spec**	**CR**	**Rev**	**REL**	**Cat**	**Plenary doc**	**WG doc**	**TSG status**	**Subject**
2	25.101	1101		Rel-14	B	RP-161125	R4-163194	approved	Introduction of Band 70 to 25.101
3	25.104	0742		Rel-14	B	RP-161125	R4-163199	approved	Introduction of Band 70 to 25.104
4	25.104	0743	1	Rel-13	F	RP-161140	R4-164662	approved	Corrections on definition of multi-band definition and blocking
5	25.104	0744		Rel-14	B	RP-161124	R4-164418	approved	Introduction of Band 69 co-existence requirements
6	25.113	0065	1	Rel-13	F	RP-161142	R4-164668	approved	Clarification in EMC environmental conditions references
7	25.123	0563		Rel-14	B	RP-161125	R4-163204	approved	Introduction of Band 70 to 25.123
8	25.133	1424		Rel-14	B	RP-161125	R4-163214	approved	Introduction of Band 70 to 25.133
9	25.133	1425		Rel-14	B	RP-161124	R4-164758	approved	Introduction of Band 69 in 25.133
10	25.141	0766		Rel-13	B	RP-161134	R4-162206	approved	Introduction of Band 46 in TS 25.141
11	25.141	0768		Rel-14	B	RP-161125	R4-163202	approved	Introduction of Band 66 to 25.141
12	25.141	0769		Rel-12	F	RP-161141	R4-163293	approved	Corrections to sub-clause number of BS spurious emissions limits in TS25.141 (Rel-12)
13	25.141	0770		Rel-13	A	RP-161141	R4-163294	approved	Corrections to sub-clause number of BS spurious emissions limits in TS25.141 (Rel-13)
14	25.141	0771	1	Rel-13	F	RP-161140	R4-164663	approved	Corrections on definition of multi-band definition and blocking
15	25.141	0772		Rel-14	B	RP-161124	R4-164419	approved	Introduction of Band 69 co-existence requirements
16	25.142	0320		Rel-13	B	RP-161134	R4-162209	approved	Introduction of Band 46 in TS 25.142
17	25.212	0337	2	Rel-12	F	RP-161282	-	approved	Clarification on UL DPCH 10ms Mode
18	25.212	0338	2	Rel-13	A	RP-161283	-	approved	Clarification on UL DPCH 10ms Mode
19	25.212	0339		Rel-12	F	RP-161144	R1-165515	approved	Clarifications on DCH enhancements feature
20	25.212	0340		Rel-13	A	RP-161144	R1-165516	approved	Clarifications on DCH enhancements feature (Mirror Rel-13)
21	25.214	0747		Rel-12	F	RP-161144	R1-165862	approved	Clarifications on DCH enhancements feature
22	25.214	0748		Rel-13	A	RP-161144	R1-165863	approved	Clarifications on DCH enhancements feature (Mirror Rel-13)
23	25.215	0205		Rel-12	F	RP-161144	R1-163197	approved	Clarification on measuring the transmitted code power for the downlink DPCH slot formats #17 and #18
24	25.215	0206		Rel-13	A	RP-161144	R1-163198	approved	Clarification on measuring the transmitted code power for the downlink DPCH slot formats #17 and #18
25	25.300	0039	1	Rel-12	F	RP-161079	R2-164342	approved	Correction on DCH enhancements
26	25.300	0040	1	Rel-13	A	RP-161079	R2-164343	approved	Correction on DCH enhancements
27	25.306	0505	1	Rel-11	B	RP-161083	R2-164301	approved	Introduction of DB-DC-HSUPA in earlier release
28	25.306	0506	1	Rel-12	A	RP-161083	R2-164302	approved	Introduction of DB-DC-HSUPA in earlier release
29	25.308	0174		Rel-13	F	RP-161079	R2-163431	approved	Correction on the naming E-DCH decoupling
30	25.319	0139		Rel-13	F	RP-161079	R2-163432	approved	Correction on the naming E-DCH decoupling
31	25.331	5853		Rel-10	F	RP-161076	R2-163345	approved	Clarification for UE behaviour upon reception of requested E-UTRA frequency band list
32	25.331	5854	1	Rel-11	A	RP-161076	R2-164280	approved	Clarification for UE behaviour upon reception of requested E-UTRA frequency band list

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1	**Spec**	**CR**	**Rev**	**REL**	**Cat**	**Plenary doc**	**WG doc**	**TSG status**	**Subject**
33	25.331	5855	1	Rel-12	A	RP-161076	R2-164281	approved	Clarification for UE behaviour upon reception of requested E-UTRA frequency band list
34	25.331	5856	1	Rel-13	A	RP-161076	R2-164282	approved	Clarification for UE behaviour upon reception of requested E-UTRA frequency band list
35	25.331	5857	2	Rel-11	B	RP-161083	R2-164340	approved	Introduction of DB-DC-HSUPA in earlier release
36	25.331	5858	2	Rel-12	A	RP-161080	R2-164341	withdrawn	Introduction of DB-DC-HSUPA in earlier release
37	25.331	5858	2	Rel-12	A	RP-161083	R2-164341	approved	Introduction of DB-DC-HSUPA in earlier release
38	25.331	5859		Rel-13	F	RP-161079	R2-163433	approved	Correction on the naming E-DCH decoupling
39	25.331	5860	2	Rel-13	F	RP-161083	R2-164353	approved	Correction of retrievable configurations
40	25.331	5865	1	Rel-13	F	RP-161082	R2-164344	approved	Corrections to RAT-independent positioning methods
41	25.331	5869	2	Rel-13	F	RP-161083	R2-164354	approved	Corrections and clarifications to URA_PCH with seamless transition to CELL_FACH state functionality
42	25.413	1311	1	Rel-13	F	RP-161047	R3-161279	approved	Removing signaling of NRI from MSC/SGSN to RNC for CS/PS coordination
43	25.423	1886		Rel-12	F	RP-161049	R3-160698	approved	Correction on DL DPCH Slot Format configuration for DCH enhancements
44	25.423	1887		Rel-13	A	RP-161049	R3-160700	approved	Correction on DL DPCH Slot Format configuration for DCH enhancements
45	25.433	2082		Rel-12	F	RP-161049	R3-160697	approved	Correction on DL DPCH Slot Format configuration for DCH enhancements
46	25.433	2083		Rel-13	A	RP-161049	R3-160699	approved	Correction on DL DPCH Slot Format configuration for DCH enhancements
47	25.461	0097	1	Rel-14	B	RP-161040	R3-161429	approved	Introduction of band 70
48	25.461	0098		Rel-14	B	RP-161041	R3-161309	approved	Introduction of 2.6GHz SDL band
49	25.466	0063	1	Rel-14	B	RP-161040	R3-161430	approved	Introduction of band 70
50	25.466	0064	1	Rel-14	B	RP-161041	R3-161396	approved	Introduction of 2.6GHz SDL band
51	34.108	0990		Rel-12	F	RP-160845	R5-162183	approved	Editorial correction in RRC Connection setup message
52	34.108	0991	1	Rel-12	F	RP-160845	R5-162753	approved	Correction to RRC Connection setup message for condition UTRAN to E-UTRA
53	34.121-1	1626	1	Rel-12	F	RP-160844	R5-163113	approved	Update to WCDMA ILPC Test cases
54	34.121-1	1627	2	Rel-12	F	RP-160845	R5-163198	approved	Update to HS-DPCCH power control test cases
55	34.121-1	1629		Rel-12	F	RP-160832	R5-162333	approved	Update to power control test cases for Enhanced UTRA DCH
56	34.121-1	1631		Rel-12	F	RP-160832	R5-162339	approved	Annexure update for test tolerance and statistical testing for Enhanced UTRA DCH
57	34.121-1	1632	1	Rel-12	F	RP-160845	R5-163112	approved	Modification Delta HS-DPCCH configuration to test case 6.2A
58	34.121-1	1633		Rel-13	F	RP-160863	R5-162648	approved	Addition of Band 65 and 66 protection requirements in 34.121-1
59	34.121-2	0168	1	Rel-12	F	RP-160832	R5-162876	approved	Applicability update for Enhanced UTRA DCH test cases

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60	34.123-1	3845		Rel-12	F	RP-160858	R5-162031	approved	Corrections to various WLAN Offload Connected test cases
61	34.123-1	3846	1	Rel-12	F	RP-160858	R5-162754	approved	Corrections to WLAN Offload test case 8.2.10.5
62	34.123-1	3847		Rel-12	F	RP-160858	R5-162033	approved	Corrections to various WLAN Offload Idle test cases
63	34.123-1	3848	2	Rel-12	F	RP-160845	R5-163152	approved	Corrections to UTRA Absolute Priority based reselection test cases 8.3.1.52,8.3.1.53 and 8.3.1.54
64	34.123-1	3849	2	Rel-12	F	RP-160857	R5-163154	approved	Corrections to UTRA Absolute Priority based reselection test cases 8.3.1.1d,8.3.1.1e and 8.3.1.1f
65	34.123-1	3851	1	Rel-12	F	RP-160845	R5-162758	approved	Correction to Rel-8 testcase 7.2.3.37
66	34.123-1	3852		Rel-12	F	RP-160844	R5-162181	approved	Correction to NAS testcases 9.4.5.4.1, 9.4.5.4.6 and 9.4.5.4.7
67	34.123-1	3853		Rel-12	F	RP-160856	R5-162182	approved	Correction to UTRAN MDT testcase 8.6.2.3
68	34.123-1	3854	1	Rel-12	F	RP-160856	R5-163071	approved	Correction of test cases 8.6.2.2 and 8.6.2.2a
69	34.123-1	3856	1	Rel-12	F	RP-160844	R5-162759	approved	Removal of test case 8.2.6.22
70	34.123-1	3857	1	Rel-12	F	RP-160844	R5-162760	approved	Update of test case 8.2.3.19
71	34.123-1	3858	1	Rel-12	F	RP-160844	R5-162761	approved	Correction of test case 8.2.6.26
72	34.123-1	3860		Rel-12	F	RP-160844	R5-163015	approved	Update of prioritized test cases 8.2.6.19, 8.2.6.20, 8.2.6.49, and 8.2.6.50
73	34.123-1	3861	1	Rel-12	F	RP-160844	R5-163072	approved	Editorial update of test cases 8.2.6.21, 8.2.6.31, 8.2.6.32, 8.2.6.34 and 8.2.6.35
74	34.123-2	0764	1	Rel-12	F	RP-160856	R5-162762	approved	Editorial correction of UTRAN PICS Mnemonics
75	34.123-2	0767	1	Rel-12	F	RP-160844	R5-162763	approved	Removal of applicability of test case 8.2.6.22
76	34.123-2	0768		Rel-12	F	RP-160845	R5-162425	approved	Corrections to applicability of test conditions of Rel8 test cases for Absolute Priority based cell reselection in CELL_FACH
77	34.123-2	0769		Rel-12	F	RP-160857	R5-162426	approved	Corrections to applicability of test conditions of Rel11 test cases for Absolute Priority based cell reselection in CELL_FACH
78	34.123-3	3474	1	Rel-12	F	RP-160851	R5s160461	approved	Correction to Supplementary Service test case 15.4.1
79	34.123-3	3475	1	Rel-12	F	RP-160851	R5s160462	approved	Correction to Supplementary Service test case 15.4.2
80	34.123-3	3481	1	Rel-12	F	RP-160851	R5s160463	approved	Correction to Supplementary Service test case 15.4.4
81	34.123-3	3497	1	Rel-12	F	RP-160851	R5s160475	approved	Correction to Rel-10 NIMTC testcase 9.4.5.4.7
82	34.123-3	3499	1	Rel-12	B	RP-160851	R5s160478	approved	Addition of Rel-8 UTRA SS testcase 15.4.5 to SSNITZ testsuite
83	34.123-3	3500	1	Rel-12	F	RP-160851	R5s160511	approved	Correction to test step ts_AT_CNMPSD
84	34.123-3	3501	1	Rel-12	F	RP-160851	R5s160512	approved	Correction to test step ts_MM_LupInitwIP

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85	34.123-3	3502	1	Rel-12	B	RP-160851	R5s160513	approved	Addition of Rel-8 MAC-i/is testcase 7.2.3.37 to HSPA8_ENH testsuite
86	34.123-3	3503		Rel-12	F	RP-160851	R5s160297	approved	Correction to Rel-10 NIMTC testcase 12.2.2.3a
87	34.123-3	3504		Rel-12	F	RP-160851	R5s160311	approved	Correction to SS NITZ test cases 15.9.1, 15.9.2 and 15.9.5 using AT+CUSD command.
88	34.123-3	3507		Rel-12	F	RP-160851	R5s160357	approved	Correction to UTRA TTCN-2 test case 8.1.9e
89	34.123-3	3508		Rel-12	F	RP-160851	R5s160358	approved	Correction to applicability condition C641
90	34.123-3	3509		Rel-12	F	RP-160851	R5s160377	approved	Correction to testcase selection expression C380
91	34.123-3	3510		Rel-12	F	RP-160851	R5s160378	approved	Correction to UTRAN MDT testcase 8.6.2.1
92	34.123-3	3511		Rel-12	F	RP-160851	R5s160389	approved	Correction to UTRA SS-NITZ test cases 15.5.7 and 15.5.8
93	34.123-3	3514		Rel-12	F	RP-160851	R5s160433	approved	Correction to CPC test case 7.1.6.2.11
94	34.123-3	3515		Rel-12	F	RP-160850	R5s160456	approved	Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A
95	34.229-1	0827		Rel-12	F	RP-160845	R5-162034	approved	Corrections to IMS test case 15.2a
96	34.229-1	0828	1	Rel-12	F	RP-160858	R5-162925	approved	Update precondition requirements in test case 12.25
97	34.229-1	0829	1	Rel-12	F	RP-160858	R5-162926	approved	Update precondition requirements in test case 12.26
98	34.229-1	0830	1	Rel-12	F	RP-160845	R5-162927	approved	Update precondition requirements in C.21
99	34.229-1	0831	1	Rel-12	F	RP-160858	R5-162928	approved	Update precondition requirements in C.44
100	34.229-1	0832	1	Rel-12	F	RP-160845	R5-162929	approved	Update precondition requirements in C.25
101	34.229-1	0833	1	Rel-12	F	RP-160845	R5-162930	approved	Update precondition requirements in C.26
102	34.229-1	0834		Rel-12	F	RP-160858	R5-162045	approved	Update test case 12.25
103	34.229-1	0835		Rel-12	F	RP-160858	R5-162046	approved	Update test case 12.26
104	34.229-1	0836	1	Rel-12	F	RP-160845	R5-162931	approved	Update test case 17.2
105	34.229-1	0838		Rel-12	F	RP-160845	R5-162049	approved	Editorial correction of test case 15.4a
106	34.229-1	0839		Rel-12	F	RP-160845	R5-162050	approved	Correction of test case 18.1
107	34.229-1	0840		Rel-12	F	RP-160847	R5-162051	approved	Editorial correction of A.2.1, A.2.3, A.2.6, A.3.1
108	34.229-1	0841		Rel-12	F	RP-160845	R5-162054	approved	Corrections to Contact header of MO INVITE
109	34.229-1	0842	1	Rel-12	F	RP-160831	R5-162947	approved	Add test case for Originating Identification Presentation / WLAN
110	34.229-1	0843		Rel-12	F	RP-160831	R5-162067	approved	Add test case for Originating Identification Restriction / WLAN
111	34.229-1	0844	1	Rel-12	F	RP-160831	R5-162948	approved	Add test case for Terminating Identification Presentation / WLAN
112	34.229-1	0845		Rel-12	F	RP-160831	R5-162069	approved	Add test case for Terminating Identification Restriction / WLAN
113	34.229-1	0846	1	Rel-12	F	RP-160830	R5-162943	approved	Add test case for Originating Identification Presentation / Fixed Broadband Access
114	34.229-1	0847		Rel-12	F	RP-160830	R5-162103	approved	Add test case for Originating Identification Restriction / Fixed Broadband Access

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115	34.229-1	0848	1	Rel-12	F	RP-160830	R5-162944	approved	Add test case for Terminating Identification Presentation / Fixed Broadband Access
116	34.229-1	0849		Rel-12	F	RP-160830	R5-162105	approved	Add test case for Terminating Identification Restriction / Fixed Broadband Access
117	34.229-1	0850	2	Rel-12	F	RP-160847	R5-163199	approved	Corrections to handling of conditions in Appendix A
118	34.229-1	0851		Rel-12	F	RP-160845	R5-162117	approved	Adding reference to RFC 3311
119	34.229-1	0852	1	Rel-12	F	RP-160845	R5-162934	approved	Corrections to IMS test case 20.1 regarding P-Early-Media header
120	34.229-1	0854		Rel-12	F	RP-160845	R5-162129	approved	Correction to reference regarding GRUU reg event
121	34.229-1	0855		Rel-12	F	RP-160845	R5-162147	approved	Corrections to IMS test cases 15.10 and 15.13 regarding rule-deactivated
122	34.229-1	0857		Rel-12	F	RP-160845	R5-162150	approved	Corrections regarding security schemes and applicability
123	34.229-1	0858	1	Rel-12	F	RP-160830	R5-162945	approved	Adding references to default IMS Registration messages for fixed Broadband Access
124	34.229-1	0859	1	Rel-12	F	RP-160830	R5-162946	approved	New conditions to Default messages for Call Setup for new fixed Broadband Access test cases
125	34.229-1	0860	1	Rel-12	F	RP-160830	R5-163087	approved	New Generic Test Procedure for UE Initiated Deregistration for Fixed Broadband Access
126	34.229-1	0861	1	Rel-12	F	RP-160830	R5-163088	approved	New Generic Test Procedure for MTSI Terminating speech call over Fixed Broadband Access
127	34.229-1	0862		Rel-12	F	RP-160830	R5-162160	approved	New H.12.5 TC Terminating MTSI Voice call with preconditions / Fixed Broadband Access
128	34.229-1	0863		Rel-12	F	RP-160830	R5-162161	approved	New H.8.3 TC User Initiated Deregistration / Fixed Broadband Access
129	34.229-1	0866		Rel-12	F	RP-160830	R5-162506	approved	TC H.8.1 Conformance Requirement update to include TS 24.229 Annex E Reference
130	34.229-1	0867		Rel-12	F	RP-160858	R5-162630	approved	Correction to Annex C.40
131	34.229-1	0868	1	Rel-12	F	RP-160847	R5-162937	approved	Correction to IMS test case 19.4.2
132	34.229-1	0870		Rel-12	F	RP-160845	R5-162721	approved	Correction to Conference Facroty URI in Annex C.10 and C.38
133	34.229-1	0871		Rel-12	F	RP-160830	R5-162935	approved	Correction to C.21b regarding RS/RR modifiers
134	34.229-1	0872	1	Rel-12	F	RP-160845	R5-163200	approved	Corrections to IMS test case 19.5.8
135	34.229-1	0873		Rel-12	F	RP-160858	R5-163042	approved	Update of generic procedure C.45 for setting up MT speech call for EPS / EVS
136	34.229-1	0874	1	Rel-12	F	RP-160845	R5-163201	approved	Addition of generic procedure for IMS re-registration
137	34.229-2	0167	1	Rel-12	F	RP-160845	R5-163070	approved	Correction to the applicability of SS test cases requiring XCAP authentication
138	34.229-2	0168		Rel-12	F	RP-160831	R5-162070	approved	Add applicabilities for new WLAN supplementary services test cases

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139	34.229-2	0169		Rel-12	F	RP-160831	R5-162071	approved	Add IR.51 IMS Profile for Voice, Video and SMS over Wi-Fi
140	34.229-2	0170	1	Rel-12	F	RP-160845	R5-162939	approved	Update applicability for AMR-WB
141	34.229-2	0172	1	Rel-12	F	RP-160858	R5-163014	approved	Specification 34.229-2 clean up for XML project
142	34.229-2	0173		Rel-12	F	RP-160830	R5-162106	approved	Add applicabilities for new Fixed Broadband Access supplementary services test cases
143	34.229-2	0175		Rel-12	F	RP-160845	R5-162149	approved	Adding mnemonics for PICS
144	34.229-2	0177		Rel-12	F	RP-160830	R5-162162	approved	Applicability of new MTSI Fixed Broadband Access test cases
145	34.229-2	0178		Rel-12	F	RP-160845	R5-162314	approved	Removing item 35 from Table A.12
146	34.229-2	0180		Rel-12	F	RP-160845	R5-162941	approved	Correction to applicability of IMS test cases
147	34.229-3	0383	1	Rel-11	F	RP-160849	R5s160460	approved	Corrections to IMS-IRAT Emergency Call test case 19.4.2
148	34.229-3	0392	1	Rel-11	F	RP-160849	R5s160472	approved	Correction to IMS Emergency Call test case 19.1.5
149	34.229-3	0394	1	Rel-11	F	RP-160849	R5s160490	approved	Correction to encoding for SipUrl type
150	34.229-3	0396	1	Rel-11	F	RP-160849	R5s160502	approved	Correction for IMS video call test cases
151	34.229-3	0398	1	Rel-11	F	RP-160849	R5s160514	approved	Corrections for IMS emergency call test cases 19.1.3, 19.3.2, 19.3.2b and 19.3.2c
152	34.229-3	0399	1	Rel-11	F	RP-160849	R5s160516	approved	Correction of fl_SIP_BuildReferToUri_RX
153	34.229-3	0400		Rel-11	F	RP-160849	R5s160313	approved	Correction to GCF WI-154 IMS emergency call TC 19.5.1
154	34.229-3	0401		Rel-11	F	RP-160849	R5s160324	approved	Correction to host name in Temp GRUU returned in 200 OK for REGISTER
155	34.229-3	0402		Rel-11	F	RP-160849	R5s160325	approved	Corrections to GRUU in XML body of NOTIFY request
156	34.229-3	0403		Rel-11	F	RP-160849	R5s160338	approved	Correction to authentication method used in XCAP test cases
157	34.229-3	0404		Rel-11	F	RP-160849	R5s160339	approved	Correction to IMS emergency call test cases 19.1.3, 19.3.2, 19.3.2b
158	34.229-3	0405		Rel-11	F	RP-160849	R5s160353	approved	Correction to XCAP encoding rules
159	34.229-3	0406		Rel-11	F	RP-160845	R5-162025	approved	Routine maintenance for TS 34.229-3
160	34.229-3	0407		Rel-11	F	RP-160849	R5s160366	approved	Corrections to Contact header of MO INVITE
161	34.229-3	0410		Rel-12	B	RP-160849	R5s160379	approved	Addition of IMS EVS test case 12.23
162	34.229-3	0411		Rel-12	B	RP-160849	R5s160381	approved	Addition of IMS EVS test case 12.25
163	34.229-3	0413		Rel-12	F	RP-160849	R5s160406	approved	Correction to emergency call Testcases 19.3.2, 19.3.2b and 19.3.2c
164	34.229-3	0416		Rel-11	F	RP-160849	R5s160439	approved	Correction to IMS emergency call test case 19.5.1
165	34.229-3	0417		Rel-11	F	RP-160849	R5s160442	approved	Correction to XCAP GBA authentication procedure.
166	34.229-3	0421		Rel-12	F	RP-160848	R5s160457	approved	Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.229-3 (prose), Annex A

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167	36.101	3488		Rel-12	F	RP-161141	R4-161514	approved	Correction on B39 coexistence spurious emission requirements
168	36.101	3489		Rel-13	A	RP-161141	R4-161515	approved	Correction on B39 coexistence spurious emission requirements
169	36.101	3490		Rel-12	F	RP-161141	R4-161540	approved	Square brackets on B39 single carrier spurious emission requirements for protecting B3
170	36.101	3491		Rel-13	A	RP-161141	R4-161541	approved	Square brackets on B39 single carrier spurious emission requirements for protecting B3
171	36.101	3492	1	Rel-13	F	RP-161135	R4-162774	approved	Introduction of EB/FD-MIMO channel model using 2D XP antennas at eNB
172	36.101	3493		Rel-13	F	RP-161142	R4-161567	approved	CR to Correct Notes for CA REFSENS Tables
173	36.101	3494		Rel-13	D	RP-161142	R4-161670	approved	Editorial modification on uplink inter-band CA
174	36.101	3495		Rel-12	F	RP-161141	R4-161735	approved	CSI requirements for 2DL FDD-TDD for UE Cat 3 (Rel 12)
175	36.101	3496		Rel-13	A	RP-161141	R4-161736	approved	CSI requirements for 2DL FDD-TDD for UE Cat 3 (Rel 13)
176	36.101	3497		Rel-12	F	RP-161141	R4-161737	approved	Wrong RMC description in overview table (Rel-12)
177	36.101	3498		Rel-13	A	RP-161141	R4-161738	approved	Wrong RMC description in overview table (Rel-13)
178	36.101	3499	1	Rel-13	F	RP-161142	R4-162913	approved	Correction of Pcmax for Prose
179	36.101	3504	3	Rel-13	B	RP-161128	R4-164606	approved	Introduction of PDSCH demodulation requirement for Cat-M1 UE
180	36.101	3505	3	Rel-13	B	RP-161128	R4-164607	approved	Introduction of CQI test for Cat-M1 UE
181	36.101	3507	1	Rel-13	C	RP-161142	R4-162915	approved	Correcting fallback inconsistencies in CA of B41 and B42 in REL-13
182	36.101	3510	1	Rel-13	F	RP-161141	R4-162795	approved	CR: Addition of performance requirement for TDD-FDD DC(Rel-13)
183	36.101	3514		Rel-13	F	RP-161133	R4-162007	approved	Correction on 4Rx demodulation tests
184	36.101	3517		Rel-13	F	RP-161142	R4-162092	approved	Introduction of 4Rx requirement for Band 1
185	36.101	3522		Rel-13	F	RP-161142	R4-162238	approved	CR on reference measurement channel for Rel-13 eMTC
186	36.101	3526		Rel-13	F	RP-161142	R4-162252	approved	Introduction of 4Rx REFSENS for Band 41
187	36.101	3528		Rel-13	F	RP-161142	R4-162284	approved	Rx requirement for the non-contiguous CA with more than two component carriers
188	36.101	3529		Rel-12	F	RP-161141	R4-162287	approved	Correction on UE category for MTC in TS 36.101
189	36.101	3530		Rel-13	F	RP-161141	R4-162288	approved	Correction on UE category for MTC and eMTC in TS 36.101
190	36.101	3531	1	Rel-13	F	RP-161142	R4-162912	approved	Correction on eMTC in TS 36.101
191	36.101	3534		Rel-12	F	RP-161140	R4-162384	approved	ACS for CA Bandwidth Class D: Case 2 wanted signal power
192	36.101	3535		Rel-13	A	RP-161140	R4-162386	approved	ACS for CA Bandwidth Class D: Case 2 wanted signal power
193	36.101	3536		Rel-11	F	RP-161140	R4-162388	approved	Maintenance CR for demodulation performance requirements (Rel-11)

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194	36.101	3537		Rel-12	F	RP-161140	R4-162389	approved	Maintenance CR for demodulation performance requirements (Rel-12)
195	36.101	3538		Rel-13	A	RP-161140	R4-162390	approved	Maintenance CR for demodulation performance requirements (Rel-13)
196	36.101	3545	1	Rel-13	F	RP-161142	R4-162801	approved	Maintenance CR for CRS-IM
197	36.101	3548		Rel-13	F	RP-161142	R4-162520	approved	Correction to UE Categories for 64 QAM Reference channels
198	36.101	3549		Rel-13	F	RP-161142	R4-162591	approved	Clean up for CRS-IM related requirements
199	36.101	3551	2	Rel-13	F	RP-161142	R4-164841	approved	Correction on eMTC In-band emissions in TS 36.101
200	36.101	3552	1	Rel-14	F	RP-161164	R4-164656	approved	36.101 Section 5 operating bands (clean-up)
201	36.101	3553		Rel-14	B	RP-161125	R4-163192	approved	Introduction of B70 to TS36.101
202	36.101	3554	1	Rel-13	B	RP-161136	R4-164563	approved	CR on the introduction of the LTE DL Control Channels Interference Mitigation: PDCCH/PCFICH demodulation performance requirements
203	36.101	3555	2	Rel-13	B	RP-161136	R4-164864	approved	CR on the introduction of the LTE DL Control Channels Interference Mitigation: Interference models
204	36.101	3558		Rel-12	F	RP-161141	R4-163315	approved	Corrections to 9.6.1.3 and 9.6.1.4 TDD FDD CQI Reporting test
205	36.101	3559		Rel-13	F	RP-161141	R4-163345	approved	Corrections to 9.6.1.3 and 9.6.1.4 TDD FDD CQI Reporting test
206	36.101	3560		Rel-13	F	RP-161142	R4-163346	approved	Corrections for CA_28A-42A and CA_28A-42C requirements
207	36.101	3568	1	Rel-13	B	RP-161128	R4-164604	approved	CR for eMTC PBCH demodulation requirement for enhanced coverage
208	36.101	3569	1	Rel-13	B	RP-161128	R4-164605	approved	CR for eMTC M-PDCCH demodulation requirement for CE Mode A and CE Mode B
209	36.101	3573	1	Rel-13	B	RP-161135	R4-164729	approved	Introduction of EB/FD-MIMO Class A PMI test
210	36.101	3574	1	Rel-13	B	RP-161135	R4-164730	approved	Introduction of EB/FD-MIMO Class B K=1 PMI test
211	36.101	3576		Rel-13	F	RP-161142	R4-163539	approved	RMC for verification of RF receiver requirements for LAA
212	36.101	3577	1	Rel-14	B	RP-161124	R4-164700	approved	Introduction of 2.6GHz SDL and CA B3_2.6SDL
213	36.101	3578		Rel-13	F	RP-161142	R4-163561	approved	Corrections of CA 8A-42A/C in REL-13
214	36.101	3579	1	Rel-13	F	RP-161142	R4-164553	approved	CR on control channel requirements of 4 Rx UE
215	36.101	3581		Rel-14	B	RP-161123	R4-163690	approved	Introduction of additional 3DL/2UL CA band combinations in Rel-14
216	36.101	3582		Rel-14	B	RP-161123	R4-163691	approved	Introduction of new 4DL/2UL CA band combination in Rel-14

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217	36.101	3583		Rel-14	B	RP-161119	R4-163718	approved	Introduction of additional band combinations for 4DL inter-band CA
218	36.101	3584		Rel-14	B	RP-161116	R4-163721	approved	Introduction of additional band combinations for Intra-band CA
219	36.101	3585		Rel-13	F	RP-161142	R4-163796	approved	CR on Frequency bands for UE category 0 and UE category M1
220	36.101	3586		Rel-12	F	RP-161141	R4-163797	approved	CR on Frequency bands for UE category 0
221	36.101	3587		Rel-13	F	RP-161142	R4-163805	approved	CR for dTib,c and dRib,c for CA combinations including Band 21 and 42
222	36.101	3588		Rel-14	B	RP-161121	R4-163811	approved	Introduction of Rel-14 5DL inter-band combinations in 36.101
223	36.101	3589		Rel-13	B	RP-161126	R4-163826	approved	Category NB1 CR for 36.101
224	36.101	3590		Rel-13	F	RP-161142	R4-163850	approved	CR for delta F_HD for B46 combinations
225	36.101	3591	1	Rel-14	B	RP-161107	-	approved	Introduction of completed R14 2DL band combinations to TS 36.101
226	36.101	3591		Rel-14	B	RP-161117	R4-163859	revised	Introduction of completed R14 2DL band combinations to TS 36.101
227	36.101	3592	2	Rel-13	B	RP-161136	R4-164880	approved	CR on Definitions for DL control channel IM
228	36.101	3593	1	Rel-13	B	RP-161136	R4-164565	approved	CR on PHICH performance requirements for DL control channel IM
229	36.101	3594	1	Rel-13	B	RP-161136	R4-164566	approved	CR on ePDCCH performance requirements for DL control channel IM
230	36.101	3595		Rel-13	B	RP-161136	R4-163885	approved	CR on FRC for enhanced EPDCCH performance requirements
231	36.101	3597	1	Rel-13	B	RP-161133	R4-164614	approved	Finalization of 4Rx UE Demodulation Requirements
232	36.101	3598	2	Rel-13	B	RP-161133	R4-164883	approved	UE 4Rx CSI requirements
233	36.101	3602	1	Rel-13	F	RP-161142	R4-164833	approved	Clarification on eMTC RX requirements in TS 36.101
234	36.101	3603		Rel-14	B	RP-161122	R4-163956	approved	Introduction of completed R14 2DL2UL band combinations to TS 36.101
235	36.101	3604		Rel-14	B	RP-161118	R4-163970	approved	Introduction of completed R14 3DL band combination to TS 36.101
236	36.101	3610		Rel-13	F	RP-161142	R4-163993	approved	Uplink configuration for reference sensitivity for B45
237	36.101	3612		Rel-11	F	RP-161140	R4-164044	approved	CR: Maintenance CR for demodulation performance requirements (Rel-11)
238	36.101	3613		Rel-12	F	RP-161141	R4-164045	approved	CR: Maintenance CR for demodulation performance requirements (Rel-12)

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239	36.101	3614		Rel-13	F	RP-161142	R4-164046	approved	CR: Maintenance CR for demodulation performance requirements (Rel-13)
240	36.101	3619		Rel-13	F	RP-161142	R4-164235	approved	CR 36.101 on 7+38 blocking requirement
241	36.101	3621	2	Rel-11	D	RP-161141	R4-164773	approved	Editorial correction for TM4 MMSE-IRC PDSCH demodulation test
242	36.101	3622		Rel-12	A	RP-161141	R4-164240	approved	Editorial correction for TM4 MMSE-IRC PDSCH demodulation test
243	36.101	3623		Rel-13	A	RP-161141	R4-164241	approved	Editorial correction for TM4 MMSE-IRC PDSCH demodulation test
244	36.101	3632	1	Rel-13	F	RP-161142	R4-164733	approved	CR for TM9 tests with MBSFN subframes configured for PDSCH in Rel-13
245	36.101	3633	2	Rel-13	B	RP-161133	R4-164882	approved	CR for applicability rule, antenna connection and test method for 4Rx UEs in Rel-13
246	36.101	3634	1	Rel-13	B	RP-161136	R4-164732	approved	CR of introducing enhanced control channels requirements under asynchronous network in Rel-13
247	36.101	3635	1	Rel-13	F	RP-161139	R4-164834	approved	Reference sensitivity for combinations of inter-band and NC intra-band CA
248	36.101	3636	1	Rel-13	F	RP-161142	R4-164659	approved	Correction to A-MPR for NS_26
249	36.101	3640	1	Rel-13	B	RP-161136	R4-164881	approved	CR for applicability rule for control channel enhancement requirements in Rel-13
250	36.101	3641		Rel-13	B	RP-161032	-	withdrawn	UE Demodulation Requirements for DL PDSCH SDR requirements with single carrier and 4Rx
251	36.104	0760		Rel-13	B	RP-161131	R4-161526	approved	36.104 CR for BS MMSE-IRC receiver - Definitions
252	36.104	0761	1	Rel-13	B	RP-161131	R4-162764	approved	36.104 CR for BS MMSE-IRC receiver - Demodulation tests in synchronous interference scneario
253	36.104	0762	1	Rel-13	B	RP-161131	R4-163036	not pursued	36.104 CR for BS MMSE-IRC receiver - Demodulation tests in asynchronous interference scneario
254	36.104	0763	1	Rel-13	B	RP-161131	R4-162794	approved	36.104 CR for BS MMSE-IRC receiver - FRC definitions
255	36.104	0764		Rel-13	B	RP-161131	R4-161530	approved	36.104 CR for BS MMSE-IRC receiver - Interference model for synchronous and asynchronous scnearios
256	36.104	0765	3	Rel-13	B	RP-161128	R4-164609	approved	CR: Cat-M1 PRACH Performance Requirements
257	36.104	0766	2	Rel-13	B	RP-161128	R4-164299	approved	CR: Cat-M1 PUCCH Performance Requirements
258	36.104	0773	1	Rel-13	F	RP-161142	R4-162909	approved	Correction on co-existence and co-location emssion requirement for LAA
259	36.104	0780		Rel-13	F	RP-161142	R4-162683	approved	Band 46 sub-bands indication
260	36.104	0781		Rel-13	F	RP-161142	R4-162686	approved	Band 46 channel access procedures requiremen
261	36.104	0782		Rel-14	B	RP-161125	R4-163195	approved	Introduction of Band 70 to 36.104

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262	36.104	0783		Rel-13	B	RP-161131	R4-163288	approved	Performance requirements for BS MMSE-IRC receiver in asynchronous interference scneario
263	36.104	0784	1	Rel-13	B	RP-161129	R4-164738	approved	CR: Performance requirements for PUCCH format 4 (Rel-13)
264	36.104	0785	1	Rel-13	B	RP-161128	R4-164610	approved	CR for eMTC PUSCH performance requirements
265	36.104	0788	1	Rel-13	B	RP-161129	R4-164739	approved	CR for PUCCH format 5 performance requirements for 36.104
266	36.104	0789	1	Rel-13	F	RP-161142	R4-164660	approved	Correction related to band 65
267	36.104	0790		Rel-14	B	RP-161119	R4-163719	approved	Introduction of additional band combinations for 4DL inter-band CA
268	36.104	0792		Rel-14	B	RP-161117	R4-163860	approved	Introduction of completed R14 2DL band combinations to TS 36.104
269	36.104	0794	1	Rel-14	B	RP-161118	R4-164976	approved	Introduction of completed R14 3DL band combination to TS 36.104
270	36.104	0795	1	Rel-13	F	RP-161140	R4-164664	approved	Corrections on definition of multi-band definition and blocking
271	36.104	0798		Rel-14	B	RP-161124	R4-164420	approved	Introduction of Band 69 and CA_3-69 to 36.104
272	36.104	0799		Rel-13	F	RP-161142	R4-164430	approved	Correction to BS spurious emissions for co-location with Band 46
273	36.104	0800		Rel-13	B	RP-161126	R4-164452	approved	CR to 36.104 for NB-IoT feature introduction
274	36.113	0057		Rel-14	B	RP-161125	R4-163196	approved	Introduction of Band 70
275	36.113	0059	1	Rel-13	F	RP-161142	R4-164669	approved	Clarification in EMC environmental conditions references
276	36.113	0060		Rel-14	B	RP-161124	R4-164421	approved	CR to 36.113 on receiver exclusion band update due to Band 69
277	36.124	0034		Rel-14	B	RP-161125	R4-163193	approved	Introduction of Band 70 TO 36.124
278	36.124	0035		Rel-13	B	RP-161124	R4-163544	approved	Introduction of 2.6GHz SDL
279	36.133	3374	1	Rel-13	B	RP-161128	R4-162778	approved	CR: MPDCCH RMCs for Cat-M1 RRM Tests
280	36.133	3375	1	Rel-13	B	RP-161128	R4-162779	approved	CR: PDSCH RMCs for Cat-M1 RRM Tests
281	36.133	3377	3	Rel-13	F	RP-161142	R4-164862	approved	CR: Intra-frequency handover requirements for Cat-M1 UEs in CEModeA
282	36.133	3379	1	Rel-13	F	RP-161142	R4-162736	approved	CR: UE transmit timing Requirements for Cat-M1 UEs
283	36.133	3384		Rel-13	F	RP-161142	R4-161684	approved	Removal of conditions for intra-frequency relative RSRQ measurement accuracy requirements under operation with frame structure 3
284	36.133	3385		Rel-13	F	RP-161141	R4-161689	approved	Radio Link Monitoring Test for In-sync in DRX for PSCell
285	36.133	3393		Rel-13	F	RP-161141	R4-161720	approved	Introduction of test cases for E-UTRAN FDD-TDD and TDD-FDD DC interruption at transitions between active and non-active during DRX in synchronous DC
286	36.133	3394		Rel-13	F	RP-161142	R4-161740	approved	CR: Correction to Band 66 notes in E-UTRA band groups

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287	36.133	3395		Rel-13	F	RP-161141	R4-161785	approved	New test cases: E-UTRAN TDD-FDD DC intra-frequency event triggered reporting with DRX in synchronous DC with PCell in FDD/PCell in TDD
288	36.133	3396	1	Rel-13	F	RP-161142	R4-163012	approved	New test cases: Event triggered reporting on deactivated SCells and interruption probability (0.5%) without DRX (FDD 4 DL CA and TDD 4 DL CA)
289	36.133	3397	1	Rel-13	F	RP-161142	R4-163015	approved	New test cases: Event triggered reporting on deactivated SCells and interruption probability (0.5%) without DRX (FDD 5 DL CA and TDD 5 DL CA)
290	36.133	3402	1	Rel-13	F	RP-161134	R4-162716	approved	CR on measurement reference channel and OCNG with FS3
291	36.133	3403		Rel-12	F	RP-161141	R4-161841	approved	CR on minimum ProSe SCH_RP condition on FDD_F
292	36.133	3404		Rel-13	A	RP-161141	R4-161842	approved	CR on minimum ProSe SCH_RP condition on FDD_F
293	36.133	3405		Rel-13	F	RP-161130	R4-161843	approved	CR on minimum ProSe SCH_RP condition on FDD_F
294	36.133	3406		Rel-13	F	RP-161142	R4-161844	approved	CR of typo in interruption requirements
295	36.133	3407		Rel-12	F	RP-161141	R4-161848	approved	Editorial CR in RSRQ test case for CA in CRS based discovery signal
296	36.133	3408		Rel-13	A	RP-161141	R4-161850	approved	Editorial CR in RSRQ test case for CA in CRS based discovery signal
297	36.133	3411		Rel-13	F	RP-161141	R4-162071	approved	CR on TDD-FDD DC Radio Link Monitoring Test for Out-of-sync
298	36.133	3418		Rel-13	F	RP-161142	R4-162136	approved	Editorial correction in RRM requirements
299	36.133	3421	1	Rel-13	F	RP-161142	R4-162715	approved	Reporting criteria for LAA
300	36.133	3423		Rel-13	F	RP-161142	R4-162144	approved	Channel occupancy measurement requirements
301	36.133	3428		Rel-13	F	RP-161142	R4-162149	approved	Inter-frequency RSSI measurement requirements
302	36.133	3429	1	Rel-13	B	RP-161134	R4-162731	approved	RSRP and RSRQ accuracy requirements
303	36.133	3430		Rel-13	F	RP-161142	R4-162151	approved	Editorial correction in LAA requirements
304	36.133	3432		Rel-13	F	RP-161142	R4-162157	approved	RS-SINR accuracy requirements with CA
305	36.133	3433	1	Rel-13	F	RP-161142	R4-162755	approved	RS-SINR measurement requirements with CA
306	36.133	3434		Rel-13	F	RP-161142	R4-162165	approved	4 DL PCell in FDD Event triggered reporting on deactivated SCells in non-DRX # 3
307	36.133	3435		Rel-13	F	RP-161142	R4-162166	approved	4 DL PCell in TDD Event triggered reporting on deactivated SCells in non-DRX # 4
308	36.133	3436		Rel-13	F	RP-161142	R4-162167	approved	5 DL PCell in FDD Event triggered reporting on deactivated SCells in non-DRX # 1
309	36.133	3437		Rel-13	F	RP-161142	R4-162168	approved	5 DL PCell in TDD Event triggered reporting on deactivated SCells in non-DRX # 2

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310	36.133	3438		Rel-12	F	RP-161141	R4-162218	approved	Correction on E-UTRAN TDD-FDD CA activation and deactivation of known/unknown SCell in non-DRX with PCell in FDD for Rel-12
311	36.133	3439		Rel-13	A	RP-161141	R4-162226	approved	Correction on E-UTRAN TDD-FDD CA activation and deactivation of known/unknown SCell in non-DRX with PCell in FDD for Rel-13
312	36.133	3441		Rel-12	F	RP-161141	R4-162232	approved	CR on E-UTRAN TDD-FDD CA activation and deactivation of known SCell in non-DRX with PCell in TDD for Rel-12
313	36.133	3442		Rel-13	A	RP-161141	R4-162235	approved	CR on E-UTRAN TDD-FDD CA activation and deactivation of known SCell in non-DRX with PCell in TDD for Rel-13
314	36.133	3443		Rel-12	F	RP-161141	R4-162254	approved	CR on E-UTRAN TDD-FDD CA activation and deactivation of unknown SCell in non-DRX with PCell in TDD for Rel-12
315	36.133	3444		Rel-13	A	RP-161141	R4-162256	approved	CR on E-UTRAN TDD-FDD CA activation and deactivation of unknown SCell in non-DRX with PCell in TDD for Rel-13
316	36.133	3445		Rel-12	F	RP-161141	R4-162400	approved	Corrections on PDSCH RMC for UE category 0 R12
317	36.133	3446		Rel-13	A	RP-161141	R4-162401	approved	Corrections on PDSCH RMC for UE category 0 R13
318	36.133	3450	1	Rel-13	F	RP-161142	R4-163016	approved	5 DL FDD CA Event Triggered Reporting with Deactivated SCells in Non-DRX
319	36.133	3451	1	Rel-13	F	RP-161142	R4-163017	approved	5 DL TDD CA Event Triggered Reporting with Deactivated SCells in Non-DRX
320	36.133	3452	1	Rel-13	F	RP-161142	R4-163013	approved	4 DL FDD CA Event Triggered Reporting with 3 deactivated SCells in Non-DRX
321	36.133	3453	1	Rel-13	F	RP-161142	R4-163014	approved	4 DL TDD CA Event Triggered Reporting with 3 deactivated SCells in Non-DRX
322	36.133	3454		Rel-12	F	RP-161142	R4-162412	approved	RSTD CA interruption on SCC in Release 12
323	36.133	3455		Rel-13	F	RP-161142	R4-162413	approved	RSTD CA interruption on SCC in release 13
324	36.133	3460	1	Rel-13	B	RP-161134	R4-162717	approved	CR on testing principle of Carrier Aggregation under operation with Frame 3 with Different Duplex Modes
325	36.133	3466	1	Rel-13	F	RP-161132	R4-163020	approved	E-UTRAN TDD-FDD Addition and Release Delay of known PSCell in Synchronous DC with PCell in FDD
326	36.133	3467	1	Rel-13	F	RP-161132	R4-163021	approved	E-UTRAN TDD-FDD Addition and Release Delay of known PSCell in Synchronous DC with PCell in TDD
327	36.133	3473	1	Rel-12	F	RP-161141	R4-163022	approved	CR on UE transmit timing requirement in R12
328	36.133	3474	2	Rel-13	F	RP-161142	R4-163039	approved	maintenance on radio link monitoring for Rel-13 MTC UE

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329	36.133	3475	2	Rel-13	F	RP-161142	R4-163046	approved	Maintenance on measurement requirements for Rel-13 MTC UE under normal coverage
330	36.133	3476	2	Rel-13	F	RP-161142	R4-163047	approved	Maintenance on measurement requirements for Rel-13 MTC UE under CEModeB
331	36.133	3478	1	Rel-13	F	RP-161142	R4-162738	approved	CR for eMTC RLM
332	36.133	3479		Rel-13	F	RP-161141	R4-162506	approved	New Test cases: E-UTRAN TDD-FDD DC inter-frequency event triggered reporting with DRX in synchronous DC with PCell in FDD/PCell in TDD
333	36.133	3483		Rel-13	B	RP-161142	R4-162560	approved	Measurement accuracy requirements for Rel-13 MTC UE
334	36.133	3484	1	Rel-13	F	RP-161142	R4-162737	approved	Timing requirements for eMTC
335	36.133	3486		Rel-12	F	RP-161141	R4-162584	approved	Physical channels undefined in RRM Test cases A.9.1.22, A.9.1.23
336	36.133	3487		Rel-13	A	RP-161141	R4-162585	approved	Physical channels undefined in RRM Test cases A.9.1.22, A.9.1.23
337	36.133	3488		Rel-12	F	RP-161141	R4-162586	approved	Cleanup of Dual Connectivity RRM Test cases
338	36.133	3489		Rel-13	A	RP-161141	R4-162587	approved	Cleanup of Dual Connectivity RRM Test cases
339	36.133	3493		Rel-12	F	RP-161141	R4-163169	approved	Corrections to values for 3DL RSTD test cases
340	36.133	3494		Rel-13	A	RP-161141	R4-163170	approved	Corrections to values for 3DL RSTD test cases
341	36.133	3495		Rel-14	B	RP-161125	R4-163203	approved	Introduction of Band 70 to 36.133
342	36.133	3496		Rel-12	F	RP-161141	R4-163212	approved	Removal of duplicated parameter from 3DL RSTD reporting delay test cases
343	36.133	3497		Rel-13	A	RP-161141	R4-163213	approved	Removal of duplicated parameter from 3DL RSTD reporting delay test cases
344	36.133	3498	2	Rel-13	B	RP-161129	R4-164853	approved	2DL/2UL FDD CA activation and deactivation of known PUCCH SCell without valid TA in non-DRX
345	36.133	3502	1	Rel-13	F	RP-161142	R4-164851	approved	Rx-Tx time difference reporting
346	36.133	3505		Rel-12	F	RP-161141	R4-163310	approved	Corrections in A.8.16.12, A.8.16.21, A.8.16.22, A.8.16.30, A.9.1.15 and A.9.1.37
347	36.133	3506		Rel-13	A	RP-161141	R4-163311	approved	Corrections in A.8.16.12, A.8.16.21, A.8.16.22, A.8.16.30, A.9.1.15 and A.9.1.37
348	36.133	3507		Rel-12	F	RP-161141	R4-163316	approved	A clarification on bands
349	36.133	3508		Rel-11	F	RP-161140	R4-163317	approved	A clarification on bands
350	36.133	3509		Rel-12	F	RP-161141	R4-163318	approved	Editorial corrections
351	36.133	3510		Rel-13	A	RP-161141	R4-163319	approved	Editorial corrections
352	36.133	3512		Rel-13	B	RP-161134	R4-163321	approved	CSI-RSRP measurement accuracy requirements
353	36.133	3515		Rel-13	F	RP-161142	R4-163324	approved	A clarification on LAA band
354	36.133	3516		Rel-13	F	RP-161142	R4-163325	approved	Editorial corrections for LAA

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355	36.133	3519	1	Rel-13	F	RP-161142	R4-164568	approved	Inter-frequency measurement requirements
356	36.133	3521	2	Rel-13	F	RP-161128	R4-164591	approved	eMTC requirements with eDRX in RRC_CONNECTED
357	36.133	3526		Rel-13	F	RP-161141	R4-163350	approved	CR on correction for section number of A.7.3.29
358	36.133	3527		Rel-12	F	RP-161139	R4-163351	approved	CR on correction for test cases in A.8.16.17x
359	36.133	3528		Rel-13	A	RP-161139	R4-163352	approved	CR on correction for test cases in A.8.16.17x Rel-13
360	36.133	3529		Rel-12	F	RP-161141	R4-163353	approved	Editral correction for title in section A.8 and A.9 Rel-12
361	36.133	3530		Rel-13	F	RP-161142	R4-163354	approved	Editral correction for title in section A.8 and A.9 Rel-13
362	36.133	3533		Rel-13	F	RP-161141	R4-163358	approved	3DL/3UL TDD CA - UE Transmit Timing Accuracy Tests for 2SCells
363	36.133	3534	1	Rel-13	F	RP-161142	R4-164584	approved	Test cases for E-UTRAN DC Inter-frequency identification of a new CGI of E-UTRA cell using autonomous gaps
364	36.133	3535	1	Rel-13	B	RP-161128	R4-164621	approved	UE Timing Advance Adjustment Accuracy Test for Cat-M1 UE in CEModeA
365	36.133	3536		Rel-13	F	RP-161168	R4-163361	approved	E-UTRAN 4DL CA activation and deactivation of know SCell in non-DRX
366	36.133	3537		Rel-13	F	RP-161168	R4-163362	approved	E-UTRAN 5DL CA activation and deactivation of know SCell in non-DRX
367	36.133	3538		Rel-12	F	RP-161141	R4-163389	approved	PCC and SCC assignment in 20MHz+10MHz test case A.9.1.24
368	36.133	3539		Rel-13	A	RP-161141	R4-163390	approved	PCC and SCC assignment in 20MHz+10MHz test case A.9.1.24
369	36.133	3541	1	Rel-13	F	RP-161142	R4-164848	approved	Modifications on LAA SCell activation delay requirements
370	36.133	3544	1	Rel-13	B	RP-161133	R4-164775	approved	Antenna connection method for RLM and RRM tests with 4RX
371	36.133	3548	1	Rel-13	B	RP-161132	R4-164585	approved	Dual connectivity enhancements test case : SSTD accuracy
372	36.133	3549		Rel-13	B	RP-161132	R4-163475	approved	Dual connectivity enhancements test case : SSTD delay with DRX
373	36.133	3550		Rel-13	B	RP-161132	R4-163476	approved	Dual connectivity enhancements test case : SSTD delay in non DRX
374	36.133	3553		Rel-13	F	RP-161142	R4-163510	approved	Absolute and relative RSRP accuracies in FDD 4DL CA# 3
375	36.133	3554		Rel-13	F	RP-161142	R4-163511	approved	Absolute and relative RSRP accuracies in TDD 4DL CA# 4
376	36.133	3555	1	Rel-13	F	RP-161142	R4-164649	approved	PCell in FDD: absolute and relative RSRP accuracies in TDD-FDD 5 DL CA # 1
377	36.133	3556	1	Rel-13	F	RP-161142	R4-164650	approved	PCell in TDD: absolute and relative RSRP accuracies in TDD-FDD 5 DL CA # 2
378	36.133	3557		Rel-13	F	RP-161142	R4-163514	approved	Absolute and relative RSRQ accuracies in 5 DL FDD CA # 7
379	36.133	3558		Rel-13	F	RP-161142	R4-163515	approved	Absolute and relative RSRQ accuracies in 5 DL TDD CA # 8
380	36.133	3559		Rel-13	F	RP-161141	R4-163516	approved	Test Case on Random Acces for 3 DL/3UL TDD CA

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1	**Spec**	**CR**	**Rev**	**REL**	**Cat**	**Plenary doc**	**WG doc**	**TSG status**	**Subject**
381	36.133	3560	1	Rel-13	B	RP-161129	R4-164651	approved	SCell activation and deactivation of known PUCCH Scell in TDD CA without valid TA
382	36.133	3562		Rel-13	F	RP-161142	R4-163519	approved	E-UTRAN-WLAN RSSI event triggered reporting in non-DRX
383	36.133	3563	1	Rel-13	B	RP-161128	R4-164596	approved	CR for Cat-M1 CEMode A RLM test cases: DRX FDD
384	36.133	3564	1	Rel-13	B	RP-161128	R4-164598	approved	CR for Cat-M1 CEMode A RLM test cases: DRX HD-FDD
385	36.133	3565	1	Rel-13	B	RP-161128	R4-164601	approved	CR for Cat-M1 CEMode A RLM test cases: DRX TDD
386	36.133	3567		Rel-13	B	RP-161132	R4-163697	approved	CR on activation and deactivation of known SCell for 3DL CC DC
387	36.133	3568		Rel-13	B	RP-161132	R4-163698	approved	CR on additional test requirements for Maximum transmission timing difference for DC
388	36.133	3569		Rel-13	F	RP-161142	R4-163699	approved	CR on TDD-FDD 4DL CA activation and deactivation of known SCell in non-DRX
389	36.133	3570	1	Rel-13	F	RP-161142	R4-164628	approved	CR on TDD-FDD 5DL CA activation and deactivation of known SCell in non-DRX
390	36.133	3571		Rel-13	F	RP-161142	R4-163701	approved	CR on TDD-FDD 4DL CA activation and deactivation of unknown SCell in non-DRX
391	36.133	3572	1	Rel-13	F	RP-161142	R4-164629	approved	CR on TDD-FDD 5DL CA activation and deactivation of unknown SCell in non-DRX
392	36.133	3573	1	Rel-13	B	RP-161126	R4-164482	approved	CR on RRM requirements in Section 3 for NB-IoT
393	36.133	3574	1	Rel-13	B	RP-161126	R4-164508	approved	Draft CR on RRM requirements in Annex B for NB-IoT
394	36.133	3578	1	Rel-13	F	RP-161142	R4-164852	approved	Editorial corrections of an incorrect note for Band 32
395	36.133	3579	1	Rel-14	B	RP-161124	R4-164763	approved	Introduction of 2.6GHz SDL
396	36.133	3587	1	Rel-13	F	RP-161142	R4-164567	approved	Modification on intra-frequency discovery signal measurement requirements in LAA
397	36.133	3591	2	Rel-13	F	RP-161142	R4-164756	approved	Modification on CA requirements in LAA
398	36.133	3595		Rel-12	F	RP-161141	R4-164066	approved	Correction of SCE event trigged reporting test cases for CSI-RS based discovery signal R12
399	36.133	3596		Rel-13	A	RP-161141	R4-164067	approved	Correction of SCE event trigged reporting test cases for CSI-RS based discovery signal R13
400	36.133	3602	1	Rel-13	B	RP-161129	R4-164573	approved	2DL/2UL TDD-FDD CA (TDD PCell) activation and deactivation of known PUCCH SCell without valid TA in non-DRX
401	36.133	3603		Rel-13	B	RP-161132	R4-164077	approved	CR: Introduction of testing principle for different combination of duplex modes DC
402	36.133	3604	1	Rel-12	F	RP-161141	R4-164583	approved	CR of RLM requirement for PSCell in dual connectivity R12
403	36.133	3605		Rel-13	A	RP-161141	R4-164079	approved	CR of RLM requirement for PSCell in dual connectivity R12

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1	**Spec**	**CR**	**Rev**	**REL**	**Cat**	**Plenary doc**	**WG doc**	**TSG status**	**Subject**
404	36.133	3606		Rel-13	B	RP-161132	R4-164080	approved	E-UTRAN FDD - FDD DC intra-frequency identification of a new CGI of E-UTRA cell using autonomous gaps in synchronous DC
405	36.133	3607		Rel-13	B	RP-161132	R4-164081	approved	E-UTRAN FDD - FDD DC intra-frequency identification of a new CGI of E-UTRA cell using autonomous gaps in asynchronous DC
406	36.133	3608		Rel-13	B	RP-161132	R4-164082	approved	E-UTRAN TDD - TDD DC intra-frequency identification of a new CGI of E-UTRA cell using autonomous gaps in synchronous DC
407	36.133	3609	1	Rel-13	F	RP-161142	R4-164755	approved	CR on UE transmit timing requirement
408	36.133	3610		Rel-13	B	RP-161126	R4-164086	not pursued	CR on measurement requirement in RRC_CONNECTED state for NB-IoT
409	36.133	3612		Rel-13	F	RP-161142	R4-164091	approved	PCell in FDD: absolute and relative RSRP accuracies in FDD-TDD 4DL CA
410	36.133	3613		Rel-13	F	RP-161142	R4-164092	approved	PCell in TDD: absolute and relative RSRP accuracies in TDD-FDD 4DL CA.
411	36.133	3614		Rel-13	F	RP-161142	R4-164093	approved	absolute and relative RSRP accuracies in FDD 5 DL CA
412	36.133	3615		Rel-13	F	RP-161142	R4-164094	approved	absolute and relative RSRP accuracies in TDD 5 DL CA
413	36.133	3616	1	Rel-13	B	RP-161128	R4-164602	approved	E-UTRAN Intra frequency case for Cat-M1 UE in normal coverage
414	36.133	3617	1	Rel-13	B	RP-161128	R4-164617	approved	E-UTRAN FDD-FDD intra-frequency event triggered reporting under fading propagation conditions for Cat-M1 UE in CEModeA
415	36.133	3618	1	Rel-13	B	RP-161128	R4-164618	approved	E-UTRAN HD-FDD intra-frequency event triggered reporting under fading propagation conditions for Cat-M1 UE in CEModeA
416	36.133	3619	1	Rel-13	B	RP-161128	R4-164619	approved	E-UTRAN TDD-TDD intra-frequency event triggered reporting under fading propagation conditions for Cat-M1 UE in CEModeA
417	36.133	3620	1	Rel-13	B	RP-161128	R4-164620	approved	CR on RSRP Intra frequency test cases for Cat-M1 UE in CEModeA
418	36.133	3621		Rel-13	B	RP-161128	R4-164100	approved	PRACH configuration for eMTC

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1	**Spec**	**CR**	**Rev**	**REL**	**Cat**	**Plenary doc**	**WG doc**	**TSG status**	**Subject**
419	36.133	3622	2	Rel-13	F	RP-161142	R4-164868	approved	CR on eMTC eDRX
420	36.133	3626		Rel-13	B	RP-161126	R4-164116	not pursued	CR for RRC re-establishment requirement for NB-IoT
421	36.133	3629	3	Rel-13	B	RP-161128	R4-164889	approved	FD-FDD Radio Link Monitoring Test for Out-of-sync for Cat-M1 UE in CEModeA
422	36.133	3630	3	Rel-13	B	RP-161128	R4-164890	approved	FD-FDD Radio Link Monitoring Test for In-sync for Cat-M1 UE in CEModeA
423	36.133	3631	3	Rel-13	B	RP-161128	R4-164891	approved	HD-FDD Radio Link Monitoring Test for Out-of-sync for Cat-M1 UE in CEModeA
424	36.133	3632	3	Rel-13	B	RP-161128	R4-164902	approved	HD-FDD Radio Link Monitoring Test for In-sync for Cat-M1 UE in CEModeA
425	36.133	3633	3	Rel-13	B	RP-161128	R4-164903	approved	TDD Radio Link Monitoring Test for Out-of-sync for Cat-M1 UE in CEModeA
426	36.133	3634	3	Rel-13	B	RP-161128	R4-164904	approved	TDD Radio Link Monitoring Test for In-sync for Cat-M1 UE in CEModeA
427	36.133	3636	1	Rel-13	B	RP-161132	R4-164586	approved	E-UTRAN FDD-FDD DC event triggered reporting under deactivated SCell with PCell and PSCell interruption in non-DRX in synchronous DC
428	36.133	3637	1	Rel-13	B	RP-161132	R4-164587	approved	E-UTRAN FDD-FDD DC event triggered reporting under deactivated SCell with PCell and PSCell interruption in non-DRX in asynchronous DC
429	36.133	3638	1	Rel-13	B	RP-161126	R4-164530	approved	Uplink transmit timing adjustments in HD-FDD operation
430	36.133	3639	1	Rel-13	B	RP-161132	R4-164588	approved	E-UTRAN TDD-TDD DC event triggered reporting under deactivated SCell with PCell and PSCell interruption in non-DRX in synchronous DC
431	36.133	3640	1	Rel-13	F	RP-161142	R4-164769	approved	4 DL CA PCell in FDD FDD-TDD RSRQ for E-UTRAN in Carrier Aggregation
432	36.133	3641	2	Rel-13	F	RP-161142	R4-164877	approved	4 DL CA PCell in TDD TDD-FDD RSRQ for E-UTRAN in Carrier Aggregation
433	36.133	3642	2	Rel-13	F	RP-161142	R4-164878	approved	5 DL PCell in FDD RSRQ for E-UTRAN in Carrier Aggregation
434	36.133	3643	2	Rel-13	F	RP-161142	R4-164879	approved	5 DL PCell in TDD RSRQ for E-UTRAN in Carrier Aggregation
435	36.133	3644	1	Rel-13	B	RP-161129	R4-164737	approved	2DL/2UL TDD-FDD CA (FDD PCell) activation and deactivation of known PUCCH SCell without valid TA in non-DRX
436	36.133	3647	2	Rel-13	F	RP-161142	R4-164861	approved	CR: RRC re-establishment requirements for Cat-M1 UEs
437	36.133	3648	1	Rel-13	B	RP-161128	R4-164638	approved	CR: Cat-M1 PRACH test cases for FDD in CEModeA
438	36.133	3649	1	Rel-13	B	RP-161128	R4-164639	approved	CR: Cat-M1 PRACH test cases for HD-FDD in CEModeA
439	36.133	3650	1	Rel-13	B	RP-161128	R4-164640	approved	CR: Cat-M1 PRACH test cases for TDD in CEModeA

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440	36.133	3651	1	Rel-13	B	RP-161128	R4-164623	approved	CR: Cat-M1 Intra-frequency handover test cases for CEModeA
441	36.133	3653	1	Rel-13	B	RP-161142	R4-164622	approved	UE transmit timing test for eMTC UEs in CEModeA
442	36.133	3654	1	Rel-13	B	RP-161128	R4-164624	approved	RRC Re-establishment test for eMTC UEs in CEModeA
443	36.133	3655	1	Rel-13	F	RP-161142	R4-164631	approved	Defining of ProSe periodicity for ProSe inter-frequency and CA operation
444	36.133	3657		Rel-13	F	RP-161141	R4-164333	approved	Editorial corrections in Rel-12 Cat-0 requirements
445	36.133	3659	2	Rel-13	B	RP-161126	R4-164549	approved	Draft CR on RRC_IDLE state requirements for NB-IOT
446	36.133	3664		Rel-13	F	RP-161168	R4-164577	approved	E-UTRAN 4DL CA activation and deactivation for unknown SCells without DRX
447	36.133	3665		Rel-13	F	RP-161168	R4-164578	approved	E-UTRAN 5DL CA activation and deactivation of unknown SCell in non-DRX
448	36.133	3666	1	Rel-13	F	RP-161142	R4-164875	approved	CR: Intra-frequency handover requirements for Cat-M1 UEs in CEModeB
449	36.133	3667		Rel-13	B	RP-161126	R4-164457	approved	Modification on RRC re-establishment requirement for NB-IoT
450	36.133	3668		Rel-13	B	RP-161126	R4-164481	approved	Modification for random access requirement for NB-IoT
451	36.133	3669		Rel-13	B	RP-161126	R4-164483	approved	Intra-frequency Absolute NRSRP Accuracy for UE Category NB1 in Normal Mode
452	36.133	3670		Rel-13	B	RP-161126	R4-164484	approved	Intra-frequency Absolute NRSRP Accuracy for UE Category NB1 in Enhanced Mode
453	36.133	3671		Rel-13	B	RP-161126	R4-164485	approved	Intra-frequency Absolute NRSRQ Accuracy for UE Category NB1 in Normal Mode
454	36.133	3672		Rel-13	B	RP-161126	R4-164486	approved	Intra-frequency Absolute NRSRQ Accuracy for UE Category NB1 in Enhanced Mode
455	36.133	3673		Rel-13	B	RP-161126	R4-164487	approved	Inter-frequency Absolute NRSRP Accuracy for UE Category NB1 in Normal Mode
456	36.133	3674		Rel-13	B	RP-161126	R4-164488	approved	Inter-frequency Absolute NRSRP Accuracy for UE Category NB1 in Enhanced Mode
457	36.133	3675	1	Rel-13	B	RP-161126	R4-164548	approved	CR on measurement requirement in RRC_CONNECTED state for NB-IoT
458	36.133	3676	2	Rel-13	B	RP-161126	R4-164901	approved	CR on Radio Link Monitoring for NB-IoT
459	36.141	0833	1	Rel-13	B	RP-161131	R4-162773	withdrawn	CR on BS-IRC conformance test
460	36.141	0833	2	Rel-13	B	RP-161131	R4-163433	approved	CR on BS-IRC conformance test
461	36.141	0836		Rel-13	B	RP-161131	R4-162122	approved	CR on definition for BS IRC performance requirements in 36.141
462	36.141	0838		Rel-13	B	RP-161134	R4-162204	approved	Introduction of Band 46 in TS 36.141 Rel-13
463	36.141	0844		Rel-14	B	RP-161125	R4-163200	approved	Introduction of Band 70 to 36.141

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464	36.141	0845		Rel-12	F	RP-161141	R4-163295	approved	Corrections to sub-clause number of BS spurious emissions limits in TS36.141 (Rel-12)
465	36.141	0846		Rel-13	F	RP-161141	R4-163296	approved	Corrections to sub-clause number of BS spurious emissions limits in TS36.141 (Rel-13)
466	36.141	0847	1	Rel-13	B	RP-161129	R4-164740	approved	CR: Conformance test for eCA new PUCCH format 4 (Rel-13)
467	36.141	0848		Rel-13	B	RP-161131	R4-163432	approved	Connection diagrams for BS MMSE-IRC receiver
468	36.141	0849	1	Rel-13	B	RP-161131	R4-164554	approved	36.141 CR for interference model for synchronous and asynchronous scnearios
469	36.141	0850	1	Rel-13	B	RP-161129	R4-164741	approved	CR for PUCCH format 5 performance requirements for 36.141
470	36.141	0851	1	Rel-13	F	RP-161142	R4-164661	approved	Correction related to band 65
471	36.141	0852		Rel-14	B	RP-161119	R4-163720	approved	Introduction of 4DL CA combinations
472	36.141	0855		Rel-14	B	RP-161117	R4-163861	approved	Introduction of completed R14 2DL band combinations to TS 36.141
473	36.141	0857	1	Rel-14	B	RP-161118	R4-164977	approved	Introduction of completed R14 3DL band combination to TS 36.141
474	36.141	0858	1	Rel-13	F	RP-161140	R4-164665	approved	Corrections on definition of multi-band definition and blocking
475	36.141	0859	1	Rel-13	B	RP-161131	R4-164636	approved	36.141 CR for BS MMSE-IRC receiver - Demodulation conformance tests in asynchronous interference scenario.
476	36.141	0861	1	Rel-13	B	RP-161128	R4-164641	approved	CR: Cat-M1 PRACH Performance Requirements for 36.141
477	36.141	0862	1	Rel-13	B	RP-161128	R4-164642	approved	CR: Cat-M1 PUCCH Performance Requirements for 36.141
478	36.141	0863	1	Rel-13	B	RP-161128	R4-164643	approved	CR: Cat-M1 PUSCH Performance Requirements for 36.141
479	36.141	0864		Rel-13	B	RP-161131	R4-164347	approved	36.141 CR: Introduction of new FRC tables for MMSE-IRC
480	36.141	0866		Rel-14	B	RP-161124	R4-164422	approved	Introduction of Band 69 and CA_3-69 to 36.141
481	36.141	0867		Rel-13	B	RP-161134	R4-164802	approved	Introduction of LBT performance test for LAA
482	36.201	0014	1	Rel-13	B	RP-161067	R1-165396	approved	36.201CR0014r1 Introduction of NB-IoT
483	36.211	0216	2	Rel-13	F	RP-161063	R1-162341	approved	CR on CSI-RS transmission in DwPTS
484	36.211	0224	8	Rel-13	B	RP-161067	R1-165971	approved	Introduction of NB-IoT
485	36.211	0229	2	Rel-13	F	RP-161066	R1-163790	approved	Collision between PSS/SSS/PBCH and MPDCCH/PDSCH for MTC
486	36.211	0230		Rel-13	F	RP-161066	R1-163354	approved	DMRS initialization of CSS for MTC
487	36.211	0231		Rel-13	F	RP-161066	R1-163355	approved	Missing words in PRACH starting subframe paragraph for MTC
488	36.211	0232		Rel-13	F	RP-161065	R1-163502	approved	Correction to EPDCCH procedures for LAA FS 3
489	36.211	0233		Rel-13	F	RP-161063	R1-163504	approved	Clarification on PDSCH mapping to resource elements
490	36.211	0234		Rel-13	F	RP-161063	R1-163505	approved	CR on CSI-RS description in TS 36.211
491	36.211	0235		Rel-13	F	RP-161065	R1-163528	approved	Corrections on the support of ending partial subframe in LAA
492	36.211	0236		Rel-13	F	RP-161063	R1-163534	approved	Clarification of CSI-RS on extended CP

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1	**Spec**	**CR**	**Rev**	**REL**	**Cat**	**Plenary doc**	**WG doc**	**TSG status**	**Subject**
493	36.211	0237		Rel-13	F	RP-161063	R1-163535	approved	Correction on description about UpPTS length for preamble format 4 for PRACH
494	36.211	0238		Rel-13	F	RP-161066	R1-163698	approved	Corrections to TS 36.211 for eMTC
495	36.211	0239		Rel-13	F	RP-161066	R1-163702	approved	Narrow band hopping
496	36.211	0240	1	Rel-13	F	RP-161066	R1-163676	approved	CR on MPDCCH format for Rmax=1 and 2/4 PRBs
497	36.211	0241	1	Rel-13	F	RP-161066	R1-163679	approved	Correction on RE mapping in MBSFN subframe for BL/CE UEs in CEModeB
498	36.211	0242		Rel-13	F	RP-161063	R1-163673	approved	Correction on the description about DMRS
499	36.211	0243		Rel-13	F	RP-161066	R1-163858	approved	CR for TS36.211 related to 2+4 PRB set
500	36.211	0244		Rel-13	F	RP-161065	R1-163930	approved	CR on UE assumptions on number of CRS ports in DRS
501	36.211	0245		Rel-13	F	RP-161066	R1-164927	approved	Some corrections for eMTC
502	36.211	0247		Rel-13	F	RP-161066	R1-165532	approved	CR for clarification of MPDCCH over empty CRS tones in PBCH repetition
503	36.211	0248		Rel-13	F	RP-161066	R1-165534	approved	CR for scrambling sequence initialization
504	36.211	0249		Rel-13	F	RP-161066	R1-165623	approved	On MPDCCH AL for 8 EREGs per ECCE in TS 36.211
505	36.211	0250		Rel-13	F	RP-161066	R1-165673	approved	Overriding of valid-invalid subframes for R=1
506	36.211	0251		Rel-13	F	RP-161066	R1-165686	approved	Scrambling Sequence for paging MPDCCH and PDSCH
507	36.211	0252		Rel-13	F	RP-161066	R1-165703	approved	Scrambling sequence initialization for PDSCH
508	36.212	0192	3	Rel-13	B	RP-161067	R1-166045	approved	Introduction of Rel-13 feature of NB-IoT in 36.212
509	36.212	0194		Rel-13	F	RP-161062	R1-163089	approved	Correction on aperiodic CSI reporting mode 1-0 and 1-1
510	36.212	0195		Rel-13	F	RP-161063	R1-163091	approved	Correction to S1 and S2 definition and i2 bit width
511	36.212	0196	1	Rel-13	F	RP-161066	R1-163567	approved	MCS field in DCI format 6-2 for paging for MTC
512	36.212	0197		Rel-13	F	RP-161062	R1-163421	approved	Coding of higher layer parameter codebooksizeDetermination-r13
513	36.212	0198		Rel-13	F	RP-161065	R1-163503	approved	Draft CR for 36.212 on subframe configuration for LAA
514	36.212	0199		Rel-13	F	RP-161063	R1-163506	approved	Correction on the description of DMRS table
515	36.212	0200		Rel-13	F	RP-161065	R1-163532	approved	Clarification on the applicability of DL procedures for LAA Scell
516	36.212	0201		Rel-13	F	RP-161062	R1-163626	approved	Correction on DAI Presence in DCI formats for eCA
517	36.212	0202		Rel-13	F	RP-161066	R1-163689	approved	Identify MPDCCH order in CE mode B in TS 36.212
518	36.212	0203		Rel-13	F	RP-161063	R1-163796	approved	CR on missing CRI-only table (36.212)
519	36.212	0205		Rel-13	F	RP-161062	R1-164926	approved	Correction on citations to a DAI bits table
520	36.212	0206	1	Rel-13	F	RP-161066	R1-165540	approved	Frequency hopping flag definition in DCI formats for BL/CE UE
521	36.212	0207		Rel-13	F	RP-161066	R1-165533	approved	Correction on the DCI payload size for eMTC in TS 36.212
522	36.212	0208		Rel-13	F	RP-161066	R1-165635	approved	Channel interleaver correction for eMTC

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1	**Spec**	**CR**	**Rev**	**REL**	**Cat**	**Plenary doc**	**WG doc**	**TSG status**	**Subject**
523	36.213	0575	2	Rel-13	F	RP-161062	R1-163500	approved	Correction on SPS HARQ-ACK bit handling in case of dynamic codebook configuration of eCA in 36.213
524	36.213	0593	1	Rel-13	F	RP-161063	R1-162342	approved	Correction to the UE's assumption on DMRS ports
525	36.213	0608	1	Rel-13	F	RP-161062	R1-163514	approved	Correction on HARQ-ACK ordering in case of semi-static codebook configuration of eCA
526	36.213	0610	1	Rel-13	F	RP-161062	R1-163458	approved	Correction on timing for secondary cell activation / deactivation for eCA in 36.213
527	36.213	0611		Rel-13	A	RP-161068	R1-162767	approved	Correction on RRC parameter for configuring new TBSs
528	36.213	0612		Rel-12	F	RP-161068	R1-162768	approved	Correction on RRC parameter for configuring new TBSs
529	36.213	0614		Rel-13	F	RP-161063	R1-163086	approved	Correction to rank 5-8 FD-MIMO CSI feedback
530	36.213	0615		Rel-13	F	RP-161062	R1-163090	approved	Correction on aperiodic CSI reporting mode 1-0 and 1-1
531	36.213	0616		Rel-13	F	RP-161066	R1-162873	approved	Correction of paging PDSCH transmission for MTC UE
532	36.213	0618		Rel-13	F	RP-161066	R1-163359	approved	Update RRC parameter names for MTC
533	36.213	0619		Rel-13	F	RP-161066	R1-163360	approved	PUCCH repetition for Msg4 for MTC
534	36.213	0620		Rel-13	F	RP-161066	R1-163361	approved	MPDCCH repetition for paging and random access for MTC
535	36.213	0621	1	Rel-13	F	RP-161066	R1-163568	approved	MCS field in DCI format 6-2 for paging for MTC
536	36.213	0622		Rel-13	F	RP-161062	R1-163422	approved	Coding of higher layer parameter codebooksizeDetermination-r13
537	36.213	0623	1	Rel-13	F	RP-161062	R1-163526	approved	Corrections on Simultaneous HARQ-ACK and P-CSI in 36.213
538	36.213	0624		Rel-13	F	RP-161069	R1-163434	approved	Corrections SRS dropping in CA in 36.213
539	36.213	0625		Rel-13	D	RP-161065	R1-163435	approved	Correction to the usage of undefined terminology "channel"
540	36.213	0626		Rel-13	F	RP-161065	R1-163436	approved	Correction on channel access procedure after an additional defer duration for DL LBT
541	36.213	0627	1	Rel-13	F	RP-161284	R1-163945	approved	Clarification for LAA CSI processing
542	36.213	0627		Rel-13	F	RP-161065	R1-163501	withdrawn	Clarification for LAA CSI processing
543	36.213	0628		Rel-13	F	RP-161065	R1-163508	approved	MCS Table for Initial Partial TTI in LAA
544	36.213	0629		Rel-13	F	RP-161063	R1-163513	approved	Correction on the linkage between CSI-RS and CSI-IM for Class B
545	36.213	0630		Rel-13	F	RP-161062	R1-163527	approved	CR on Correction for HARQ-ACK Codebook Determination in eCA
546	36.213	0631		Rel-13	F	RP-161065	R1-163531	approved	Clarification on "special subframe" for frame structure type 3 in 36.213
547	36.213	0632		Rel-13	F	RP-161062	R1-163533	approved	Corrections on simultaneous transmission of HARQ-ACK and SR in 36.213
548	36.213	0633	2	Rel-13	F	RP-161066	R1-163677	approved	MDPCCH candidate overflow monitoring correction for eMTC
549	36.213	0634		Rel-13	F	RP-161066	R1-163697	approved	Corrections to TS 36.213 for eMTC
550	36.213	0635	1	Rel-13	F	RP-161066	R1-163844	approved	Correction on M-PDCCH case definition

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551	36.213	0636		Rel-13	F	RP-161066	R1-163782	approved	Correction on CSS for MPDCCH configured by temporary C-RNTI and Type0 MPDCCH CSS resource
552	36.213	0637	2	Rel-13	F	RP-161066	R1-165568	approved	Correction on collision of dynamically scheduled data and semi-statically scheduled data for Rel-13 eMTC
553	36.213	0638	1	Rel-13	F	RP-161066	R1-163678	approved	Correction on PDSCH transmission timing for Rel-13 eMTC
554	36.213	0639		Rel-13	F	RP-161066	R1-163794	approved	On the collision between eMTC SIB and MPDCCH/PDSCH in TS 36.213
555	36.213	0640		Rel-13	F	RP-161066	R1-163811	approved	Collision between PUCCH format 2 and PDSCH with repetitions
556	36.213	0641		Rel-13	F	RP-161066	R1-163812	approved	Clarification of TM1/2/6 on MBSFN subframes
557	36.213	0642		Rel-13	F	RP-161066	R1-163813	approved	Correction of fallback behavior for TM9
558	36.213	0643		Rel-13	F	RP-161066	R1-163814	approved	Correction on RV and MPDCCH starting position
559	36.213	0644	1	Rel-13	F	RP-161066	R1-163941	approved	Collision between PSS/SSS/PBCH and PDSCH for MTC
560	36.213	0645		Rel-13	F	RP-161065	R1-163672	approved	CR for 36.213 on multi-channel access procedure Type A2 in LAA
561	36.213	0646		Rel-13	F	RP-161066	R1-163859	approved	CR for TS36.213 related to 2+4 PRB set
562	36.213	0647		Rel-13	F	RP-161063	R1-163670	approved	CR on CSI-RS ID configuration for TM9 in TS 36.213
563	36.213	0649		Rel-13	F	RP-161065	R1-163925	approved	Initial CCA Behaviour in the Channel Access Procedure
564	36.213	0650		Rel-13	F	RP-161065	R1-163927	approved	CR on clarification for channel sensing
565	36.213	0651		Rel-13	F	RP-161065	R1-163831	approved	CR for the contention window adjustment procedure in LAA downlink channel access
566	36.213	0653	1	Rel-13	F	RP-161066	R1-165746	approved	eMTC MPDCCH corrections for 36.213
567	36.213	0654		Rel-13	F	RP-161064	R1-165093	approved	Correction on search space to decode the PDCCH configured by the SC-N-RNTI
568	36.213	0656	1	Rel-13	B	RP-161067	R1-165972	approved	Introduction of NB-IoT
569	36.213	0657		Rel-13	F	RP-161066	R1-165387	approved	Starting OFDM symbol for SIB1-BR for BL/CE UE
570	36.213	0658		Rel-13	F	RP-161066	R1-165388	approved	Collision between SIB1-BR and SI message for BL/CE UE
571	36.213	0660	3	Rel-13	F	RP-161066	R1-165969	approved	MPDCCH search space for random access in connected mode for BL/CE UE
572	36.213	0662		Rel-13	F	RP-161066	R1-165392	approved	Definition of number of MPDCCH repetitions for BL/CE UE
573	36.213	0663		Rel-13	F	RP-161066	R1-165393	approved	PRB locations for Type0 MPDCCH search space for BL/CE UE
574	36.213	0666		Rel-13	F	RP-161063	R1-165528	approved	CR on FD-MIMO codebooks
575	36.213	0667		Rel-13	F	RP-161063	R1-165529	approved	CR on CSI-Reporting-Type
576	36.213	0668		Rel-13	B	RP-161070	R1-165530	approved	Introduction of 60ms periodicity for wideband CQI/PMI reporting
577	36.213	0669		Rel-13	F	RP-161066	R1-165531	approved	Correction on the usage of CEModeA and CEModeB for eMTC in TS 36.213

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578	36.213	0670		Rel-13	F	RP-161066	R1-165536	approved	On MPDCCH AL and search space for 8 EREGs per ECCE in TS 36.213.
579	36.213	0671		Rel-13	F	RP-161066	R1-165537	approved	CR on MPDCCH quasi co-location
580	36.213	0672		Rel-13	F	RP-161063	R1-165538	approved	Correction on UE assumption on DMRS ports
581	36.213	0673		Rel-13	F	RP-161066	R1-165621	approved	A-CSI reporting for TM6
582	36.213	0674		Rel-13	F	RP-161066	R1-165622	approved	Corrections on CSI Reporting
583	36.213	0675		Rel-13	F	RP-161066	R1-165624	approved	Correction on RV determination for PUSCH in TS 36.213
584	36.213	0677		Rel-13	F	RP-161066	R1-165626	approved	Clarification on Msg3 PUSCH repetition level in TS 36.213
585	36.213	0678		Rel-13	F	RP-161066	R1-165627	approved	Correction on SRS frequency location in TS 36.213
586	36.213	0679		Rel-13	F	RP-161066	R1-165636	approved	Correction on PDSCH reception timing for eMTC
587	36.213	0680	1	Rel-13	F	RP-161066	R1-165682	approved	Correcting configuration parameter for number of PRB-pairs
588	36.213	0681		Rel-13	F	RP-161066	R1-165672	approved	Clarification on starting subframe for MPDCCH
589	36.213	0682		Rel-13	F	RP-161066	R1-165687	approved	MCS for Random Access Response Grant
590	36.213	0683	2	Rel-13	F	RP-161066	R1-165791	approved	Correction on UCI multiplexing on PUSCH
591	36.213	0684		Rel-13	F	RP-161061	R1-165724	approved	Correction on RLM for PSCell in dual connectivity
592	36.213	0685		Rel-13	F	RP-161066	R1-165737	approved	Correction on PDSCH transmission scheme assumed for TM9 CSI reference resource in TS 36.213
593	36.213	0686		Rel-13	F	RP-161065	R1-166022	approved	CR on clarification for channel sensing
594	36.213	0687		Rel-13	F	RP-161065	R1-166039	approved	CR on CWp adjustment
595	36.213	0688		Rel-13	F	RP-161066	R1-166048	approved	Clarification of CSI measurements
596	36.214	0033	2	Rel-13	B	RP-161067	R1-165973	approved	Introduction of NB-IoT
597	36.300	0864		Rel-13	F	RP-161080	R2-163351	approved	Corrections to MTCe in TS 36.300
598	36.300	0865		Rel-13	F	RP-161080	R2-163358	approved	Clarification on LWA
599	36.300	0866		Rel-13	F	RP-161080	R2-163361	approved	Clarification on DC
600	36.300	0867		Rel-13	F	RP-161080	R2-163491	approved	Corrections for sidelink description
601	36.300	0868	1	Rel-13	F	RP-161080	R2-164493	approved	Correction on conditions for Relay and Remote UE operation
602	36.300	0869		Rel-13	F	RP-161080	R2-163566	approved	Miscellaneous Stage-2 corrections for LWA
603	36.300	0870		Rel-12	F	RP-161078	R2-163647	approved	Addition of S-RSRP abbreviation definition
604	36.300	0872		Rel-13	F	RP-161080	R2-163689	approved	Measurement gap assisted intra-frequency measurement in case of narrowband operation
605	36.300	0873		Rel-13	F	RP-161080	R2-163758	approved	Correction of RCLWI call flow
606	36.300	0874	1	Rel-13	F	RP-161080	R2-164446	approved	Correction on UL asynchronous HARQ
607	36.300	0875		Rel-13	F	RP-161080	R2-163987	approved	Correction to eMTC message classes and logical channels
608	36.300	0878		Rel-13	F	RP-161080	R2-164174	approved	Stage 2 aspects of HARQ functionality for eMTC UEs
609	36.300	0879	1	Rel-13	F	RP-161080	R2-164468	approved	Clarification on WLAN connection status reporting for RCLWI
610	36.300	0880	3	Rel-13	B	RP-161081	R2-164415	approved	Introduction of NB-IoT

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611	36.300	0881	1	Rel-13	F	RP-161080	R2-164541	approved	Correction on DRS Duty Cycle
612	36.300	0882		Rel-13	B	RP-161081	R2-164567	approved	Introduction Control Plane CIoT EPS Optimization
613	36.300	0883		Rel-13	B	RP-161081	R2-164568	approved	Introduction of the UE context resume function
614	36.300	0884		Rel-13	F	RP-161080	R2-164569	approved	Correction on WT Association Confirmation
615	36.300	0885		Rel-13	F	RP-161080	R2-164570	approved	Correction on WT initiated WT Modification procedure
616	36.300	0886		Rel-13	F	RP-161080	R2-164571	approved	Correction on flow control
617	36.300	0887		Rel-13	F	RP-161082	R2-164572	approved	Correction of Reroute NAS Request
618	36.302	0069		Rel-12	F	RP-161078	R2-163457	approved	Corrections on the data modulation of Downlink-Shared Channel
619	36.302	0070		Rel-13	A	RP-161078	R2-163458	approved	Corrections on the data modulation of Downlink-Shared Channel
620	36.302	0071	1	Rel-13	F	RP-161080	R2-164362	approved	Correction for sidelink
621	36.302	0072	1	Rel-13	F	RP-161080	R2-164363	approved	Corrections on sidelink related description in TS36.302
622	36.302	0073		Rel-13	F	RP-161080	R2-163924	approved	SC-PTM reception on non-Pcell
623	36.302	0074		Rel-13	F	RP-161080	R2-163928	approved	Improvements for the representation of eMTC features
624	36.302	0076	1	Rel-13	B	RP-161081	R2-164409	approved	Introduction of NB-IoT in 36.302
625	36.304	0302		Rel-13	F	RP-161080	R2-163494	approved	Correction for conditions of sidelink operation
626	36.304	0303		Rel-12	F	RP-161078	R2-163497	approved	Corrections on conditions for sidelink discovery operation
627	36.304	0304	1	Rel-13	F	RP-161080	R2-164369	approved	Corrections on carrier frequency prioritization for PS sidelink discovery
628	36.304	0305	1	Rel-13	F	RP-161080	R2-164433	approved	Correction to System Information change notifications in RRC_IDLE for MTCe
629	36.304	0307	1	Rel-13	F	RP-161080	R2-164334	approved	Clarification of UE behaviour immediately after T360 expiry
630	36.304	0311	1	Rel-13	B	RP-161081	R2-164399	revised	Introduction of NB-IoT in 36.304
631	36.304	0311	2	Rel-13	B	RP-161195	-	approved	Introduction of NB-IoT in 36.304 including correction of Paging UE_ID for NB-IOT
632	36.304	0312		Rel-13	F	RP-161080	R2-163895	approved	Renaming UE_ID used for MCLD purposes
633	36.304	0313		Rel-13	F	RP-161080	R2-163952	approved	Corrections on nB extension
634	36.304	0314	1	Rel-13	F	RP-161080	R2-164547	approved	Corrections on TS 36.304 for eMTC
635	36.304	0315		Rel-13	F	RP-161080	R2-163988	approved	Correction to eMTC message classes and logical channels
636	36.304	0320	1	Rel-13	C	RP-161155	-	withdrawn	eDRX Paging Hyper-Frame and PTW_Start Calculation
637	36.304	0320		Rel-13	F	RP-161080	R2-164574	revised	eDRX Paging Hyper-Frame Calculation
638	36.306	0354	1	Rel-12	C	RP-160956	-	rejected	Support of 256QAM for UE categories 6,7,9 and 10
639	36.306	0355	1	Rel-13	A	RP-160957	-	rejected	Support of 256QAM for UE categories 6,7,9 and 10
640	36.306	1314	2	Rel-13	F	RP-161080	R2-164507	approved	Miscellaneous corrections to TS 36.306
641	36.306	1315		Rel-13	F	RP-161080	R2-163359	approved	Clarifications on LWA capability

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642	36.306	1316		Rel-12	F	RP-161076	R2-163388	approved	Clarification on maximum number of DL-SCH transport block bits for DL Category 15 and 16
643	36.306	1317		Rel-13	A	RP-161076	R2-163389	approved	Clarification on maximum number of DL-SCH transport block bits for DL Category 15 and 16
644	36.306	1318		Rel-13	F	RP-161076	R2-163395	approved	UE capability of an additional Rx and Tx requirement for a CA band combination
645	36.306	1320	2	Rel-13	F	RP-161076	R2-164530	approved	Definition of a fallback band combination
646	36.306	1321		Rel-13	F	RP-161080	R2-163524	approved	Correction to WLAN measurement support for LWIP
647	36.306	1322		Rel-13	F	RP-161080	R2-163547	approved	Introducing EBF/FD-MIMO capabilities
648	36.306	1323	1	Rel-13	F	RP-161080	R2-164370	approved	Clarification on eD2D capability
649	36.306	1324	2	Rel-12	F	RP-161074	R2-164314	not pursued	Split of DL and UL category 4
650	36.306	1325		Rel-13	A	RP-161074	R2-163629	not pursued	Split of DL and UL category 4
651	36.306	1326		Rel-13	F	RP-161080	R2-163684	approved	MBMS reception via MBSFN or SC-PTM
652	36.306	1327	2	Rel-13	F	RP-161080	R2-164531	approved	Capturing a new capability signalling format for Rel-13 CA enhancements
653	36.306	1328	2	Rel-13	B	RP-161081	R2-164513	approved	Introduction of NB-IoT UE capabilities
654	36.306	1329		Rel-13	F	RP-161080	R2-163927	approved	Corrections on capability linking for measurement object extension
655	36.306	1330		Rel-13	F	RP-161080	R2-163960	approved	Correction on the value of maxmum channel bandwidth
656	36.306	1333	1	Rel-13	F	RP-161080	R2-164487	approved	UE Power Class in UE capability signaling
657	36.306	1334	2	Rel-13	F	RP-161080	R2-164535	approved	UE capabilities for eMTC
658	36.307	0677		Rel-8	F	RP-161137	R4-163156	approved	CR TS 36.307 REL-8
659	36.307	0678		Rel-9	F	RP-161138	R4-163157	approved	CR TS 36.307 REL-9
660	36.307	0679	1	Rel-10	F	RP-161139	R4-164813	approved	CR TS 36.307 REL-10
661	36.307	0680	1	Rel-11	F	RP-161140	R4-164814	approved	CR TS 36.307 REL-11
662	36.307	0681	1	Rel-12	F	RP-161141	R4-164815	approved	CR TS 36.307 REL-12
663	36.307	0682	1	Rel-13	F	RP-161142	R4-164816	approved	CR TS 36.307 REL-13
664	36.307	0690	1	Rel-12	F	RP-161141	R4-164854	approved	Correction of RRM multiple uplink requirements and test cases in 36.307
665	36.307	0691	1	Rel-13	F	RP-161142	R4-164855	approved	Correction of RRM multiple uplink requirements and test cases in 36.307
666	36.321	0854		Rel-13	F	RP-161080	R2-163353	approved	Corrections to MTCe in TS 36.321
667	36.321	0855	1	Rel-13	F	RP-161080	R2-164492	approved	Corrections to Logical Channel Prioritisation
668	36.321	0856		Rel-13	F	RP-161080	R2-163416	approved	Correction to MAC procedures for MTC
669	36.321	0857	3	Rel-13	C	RP-161080	R2-164576	approved	Functional extension for U-plane C-IoT optimisation

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670	36.321	0858	2	Rel-13	F	RP-161080	R2-164494	approved	Corrections for sidelink logical channel prioritization
671	36.321	0859		Rel-13	F	RP-161080	R2-163661	approved	HARQ RTT Timers in eMTC
672	36.321	0860		Rel-13	F	RP-161080	R2-163818	approved	Asynchronous UL HARQ protocol operation
673	36.321	0861	1	Rel-13	F	RP-161080	R2-164364	approved	UL SPS and Sidelink discovery gap
674	36.321	0862		Rel-13	F	RP-161080	R2-163855	approved	Correction of BCCH reception for LC-MTC
675	36.321	0864	1	Rel-13	F	RP-161080	R2-164537	approved	Corrections on asynchronous UL HARQ operation
676	36.321	0866		Rel-13	F	RP-161080	R2-163921	approved	Clarification on PDCCH sub-frame for SC-PTM
677	36.321	0867		Rel-13	F	RP-161080	R2-163953	approved	Correction on RA-RNTI value range
678	36.321	0868	1	Rel-13	F	RP-161080	R2-164430	approved	Correction on DL HARQ retransmission and UL transmission repetitions within a bundle
679	36.321	0869	2	Rel-13	F	RP-161080	R2-164499	approved	Correction on IR version for UL HARQ
680	36.321	0870		Rel-13	F	RP-161080	R2-163959	approved	Correction on HARQ process selection for UL asynchronous HARQ
681	36.321	0873		Rel-13	F	RP-161080	R2-163989	approved	Correction to eMTC message classes and logical channels
682	36.321	0875		Rel-13	F	RP-161080	R2-164177	approved	Correction on Random Access CE-level ramp-up for CE mode A UEs
683	36.321	0876	1	Rel-13	F	RP-161080	R2-164449	approved	Correction to random access procedure for eMTC
684	36.321	0877	2	Rel-13	F	RP-161080	R2-164539	approved	Minor corrections to MAC for eMTC
685	36.321	0878		Rel-13	F	RP-161080	R2-164180	approved	PRACH preamble power for eMTC
686	36.321	0879	1	Rel-13	F	RP-161080	R2-164448	approved	SPS support for eMTC UEs
687	36.321	0880	1	Rel-13	F	RP-161080	R2-164452	approved	SR prohibit timer for eMTC UEs
688	36.321	0881		Rel-13	F	RP-161080	R2-164183	approved	Starting CE level for PDCCH order and HO
689	36.321	0882		Rel-13	F	RP-161080	R2-164194	approved	Clarification on RA-RNTI determination for PRACH in TDD
690	36.321	0883	4	Rel-13	B	RP-161081	R2-164521	approved	Introduction of NB-IoT to 36.321
691	36.321	0884	2	Rel-13	F	RP-161080	R2-164562	approved	Correction on the DRX operation for UL asynchronous HARQ
692	36.321	0885		Rel-13	F	RP-161080	R2-164323	approved	Corrections on Support of CRI reporting in MAC
693	36.321	0886		Rel-13	F	RP-161080	R2-164451	approved	Correction on the intended UE behaviour for DRX Timers
694	36.322	0119		Rel-12	F	RP-161078	R2-163501	approved	Addition of sidelink in the overview model
695	36.322	0120	1	Rel-13	A	RP-161078	R2-164305	approved	Addition of sidelink in the overview model
696	36.322	0121	2	Rel-13	B	RP-161081	R2-164511	approved	Introduction of NB-IoT
697	36.323	0160		Rel-13	F	RP-161080	R2-163360	approved	Clarification on LWA
698	36.323	0161	1	Rel-12	F	RP-161078	R2-164443	approved	Data available for transmission due to PDCP data recovery
699	36.323	0162	1	Rel-13	A	RP-161078	R2-164444	approved	Data available for transmission due to PDCP data recovery
700	36.323	0163		Rel-13	F	RP-161080	R2-163496	approved	Correction for sidelink
701	36.323	0164		Rel-12	F	RP-161078	R2-163499	approved	Corrections on RoHC description
702	36.323	0165		Rel-13	A	RP-161078	R2-163500	approved	Corrections on RoHC description

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703	36.323	0166	1	Rel-13	F	RP-161080	R2-164474	approved	Clarification on Control PDU for LWA
704	36.323	0169		Rel-13	F	RP-161080	R2-164249	approved	Polling for LWA status report
705	36.323	0171	3	Rel-13	B	RP-161081	R2-164515	revised	Introduction of NB-IoT functionality to PDCP protocol
706	36.323	0171	4	Rel-13	B	RP-161091	-	approved	Introduction of NB-IoT functionality to PDCP protocol
707	36.323	0172		Rel-13	B	RP-161080	R2-164346	approved	PDCP CR to capture C-IoT optimizations for non-NB-IoT UEs
708	36.331	2114		Rel-13	F	RP-161080	R2-163352	approved	Corrections to MTCe in TS 36.331
709	36.331	2115	2	Rel-13	F	RP-161080	R2-164506	approved	Miscellaneous corrections to TS 36.331
710	36.331	2116	1	Rel-13	F	RP-161080	R2-164461	approved	Inter-node signalling
711	36.331	2117		Rel-13	F	RP-161080	R2-163357	approved	Clarification on SC-PTM
712	36.331	2118	1	Rel-13	F	RP-161076	R2-164466	approved	UE capability of an additional Rx and Tx requirement for a CA band combination
713	36.331	2124		Rel-12	F	RP-161073	R2-163480	approved	drb-identity change in full configuration
714	36.331	2125		Rel-13	A	RP-161073	R2-163481	approved	drb-identity change in full configuration
715	36.331	2126		Rel-13	F	RP-161080	R2-163492	approved	Miscellaneous correction for sidelink
716	36.331	2127		Rel-13	F	RP-161080	R2-163493	approved	Corrections for conditions of sidelink operation
717	36.331	2128		Rel-12	F	RP-161078	R2-163498	approved	Corrections for SL resource configuration during handover
718	36.331	2129		Rel-12	F	RP-161078	R2-163503	approved	Addition of S-RSRP abbreviation
719	36.331	2130	1	Rel-13	F	RP-161080	R2-164365	approved	Correction on conditions for establishing RRC Connection for sidelink communication
720	36.331	2132	1	Rel-13	F	RP-161080	R2-164470	approved	Correction to WLAN measurements
721	36.331	2133	1	Rel-13	F	RP-161080	R2-164477	approved	Small corrections to LWIP
722	36.331	2134	1	Rel-13	F	RP-161080	R2-164361	approved	Small eSL related corrections
723	36.331	2135	1	Rel-13	F	RP-161080	R2-164330	approved	Alignment of RCLWI configuration
724	36.331	2136	1	Rel-13	F	RP-161080	R2-164469	approved	Configuration of LWA and LWIP upon handover
725	36.331	2137	1	Rel-13	F	RP-161080	R2-164458	approved	Introducing EBF/FD-MIMO capabilities
726	36.331	2138		Rel-11	F	RP-161077	R2-163549	approved	Clarification regarding IDC indication upon change of UL CA affecting GNSS
727	36.331	2139		Rel-12	A	RP-161077	R2-163550	approved	Clarification regarding IDC indication upon change of UL CA affecting GNSS
728	36.331	2140		Rel-13	A	RP-161077	R2-163551	approved	Clarification regarding IDC indication upon change of UL CA affecting GNSS
729	36.331	2143	3	Rel-13	F	RP-161080	R2-164564	approved	Correction of periodic CSI reporting and clarification on p-C and CBSR signalling
730	36.331	2144		Rel-13	F	RP-161080	R2-163557	approved	CR on SI window combining for MTC
731	36.331	2145		Rel-13	F	RP-161080	R2-163567	approved	Avoiding simultaneous configuration of LWA and DC for a UE

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732	36.331	2146		Rel-13	F	RP-161080	R2-163568	approved	Miscellaneous RRC corrections for LWA
733	36.331	2147	1	Rel-13	F	RP-161080	R2-164549	approved	Autonomous WLAN measurement ID removal
734	36.331	2149	1	Rel-13	F	RP-161080	R2-164472	approved	Correction to channel number range
735	36.331	2150		Rel-13	F	RP-161080	R2-163577	approved	Correction of backhaul bandwidth description
736	36.331	2151	1	Rel-13	F	RP-161080	R2-163637	approved	Correction on frequency hopping signaling
737	36.331	2152	1	Rel-13	C	RP-161075	R2-164312	approved	Support of CRS-Assistance signaling for the DL Control Channel IM
738	36.331	2153		Rel-12	F	RP-161078	R2-163614	approved	Correction on condition nonFullConfig in dual connectivity
739	36.331	2154		Rel-13	A	RP-161078	R2-163615	approved	Correction on condition nonFullConfig in dual connectivity
740	36.331	2157	1	Rel-12	F	RP-161074	R2-164286	not pursued	Split of DL and UL category 4
741	36.331	2158		Rel-13	A	RP-161074	R2-163636	not pursued	Split of DL and UL category 4
742	36.331	2159	1	Rel-13	F	RP-161080	R2-164434	approved	Correction on system information handling in eMTC
743	36.331	2160	1	Rel-13	F	RP-161080	R2-164435	approved	Correction on essential system information missing
744	36.331	2161	1	Rel-13	F	RP-161080	R2-164366	approved	Corrections on description of commTxAllowRelayCommon
745	36.331	2162		Rel-13	F	RP-161080	R2-163651	approved	Steering command during T350
746	36.331	2163	1	Rel-13	F	RP-161080	R2-164476	approved	UE behaviours while configured with steeringCommandWLAN (release)
747	36.331	2166	1	Rel-13	F	RP-161077	R2-164291	approved	Correction of IE name “systemInformationBlockType1Dedicated”
748	36.331	2167		Rel-13	F	RP-161080	R2-163705	approved	Clarification of timer description for MCLD
749	36.331	2169		Rel-13	F	RP-161080	R2-163756	approved	Clarification on the usage of threshold conditions for sidelink relay UE
750	36.331	2170		Rel-13	F	RP-161080	R2-163782	approved	Corrections to LWA
751	36.331	2171		Rel-13	F	RP-161080	R2-163796	approved	Variable Handling for RCLWI
752	36.331	2174	1	Rel-13	F	RP-161080	R2-164440	approved	Correction on configuration of PRACH and MPDCCH for RA procedure for BL UEs or UEs in CE
753	36.331	2175		Rel-13	F	RP-161080	R2-163874	approved	Clarification on LWA
754	36.331	2176	1	Rel-13	F	RP-161080	R2-164508	approved	Miscellaneous corrections
755	36.331	2180		Rel-13	F	RP-161080	R2-163920	approved	Correction on FDD/TDD differentiation for Rel-13 capabilities
756	36.331	2181	1	Rel-13	F	RP-161080	R2-164532	approved	Correction on the definition of sc-mcch-duration
757	36.331	2182		Rel-13	F	RP-161080	R2-163925	approved	System information acquisition for SC-PTM reception on non-Pcell
758	36.331	2183		Rel-13	F	RP-161080	R2-163926	approved	Corrections on capability report for eCA
759	36.331	2185	1	Rel-13	F	RP-161080	R2-164457	approved	Corrections to RS-SINR configuration
760	36.331	2186	1	Rel-13	F	RP-161080	R2-164313	approved	UL UE Categories support for 64 QAM

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761	36.331	2188	1	Rel-13	F	RP-161080	R2-164429	approved	Correction on SI update for eDRX
762	36.331	2189		Rel-13	F	RP-161080	R2-163961	approved	Add the field description for mpdcch-NarrowbandsToMonitor-r13
763	36.331	2192		Rel-13	F	RP-161080	R2-163971	approved	WLAN measurements and user preference
764	36.331	2193	1	Rel-13	F	RP-161080	R2-164504	approved	Miscellaneous corrections resulting from REL-13 ASN.1 review
765	36.331	2195		Rel-13	F	RP-161080	R2-163990	approved	Correction to eMTC message classes and logical channels
766	36.331	2198		Rel-13	F	RP-161080	R2-164049	approved	Some eCA related corrections
767	36.331	2199	1	Rel-13	F	RP-161080	R2-164467	approved	PUCCH SCell corrections
768	36.331	2200	1	Rel-13	F	RP-161080	R2-164367	approved	Small corrections of timer description for Sidelink
769	36.331	2201		Rel-13	F	RP-161080	R2-164071	approved	Clarification of use of extended timer values for UEs that support CE mode B
770	36.331	2202	2	Rel-13	F	RP-161080	R2-164536	approved	Correction to UL SPS operation
771	36.331	2203	1	Rel-13	F	RP-161080	R2-164486	approved	UE Power Class in UE capability signaling
772	36.331	2204		Rel-13	F	RP-161080	R2-164148	approved	Correction to FD-MIMO field descriptions
773	36.331	2205	1	Rel-13	F	RP-161080	R2-164431	approved	Miscellaneous eMTC corrections
774	36.331	2206		Rel-13	F	RP-161080	R2-164158	approved	Further miscellaneous eMTC corrections
775	36.331	2207		Rel-13	F	RP-161080	R2-164162	approved	Correction to Initial CE Level
776	36.331	2209	2	Rel-13	F	RP-161080	R2-164534	approved	Feature Group Indicators and UE capabilities for eMTC
777	36.331	2210	2	Rel-13	B	RP-161080	R2-164519	approved	CR to capture CIoT optimizations for non-NB-IoT UEs
778	36.331	2211		Rel-13	F	RP-161080	R2-164184	approved	Valid subframes for FDD and TDD DL transmissions
779	36.331	2216	1	Rel-13	F	RP-161080	R2-164473	approved	Avoiding conflict between rel13 LWA/LWIP and rel12 RALWI
780	36.331	2219		Rel-12	F	RP-161078	R2-164244	approved	Clarification on the presence of ul-64QAM-r12 for DL-only bands
781	36.331	2220		Rel-13	A	RP-161078	R2-164245	approved	Clarification on the presence of ul-64QAM-r12 for DL-only bands
782	36.331	2221		Rel-13	F	RP-161080	R2-164246	approved	Correction on keeping SCG upon inter eNB handove
783	36.331	2222		Rel-13	F	RP-161080	R2-164247	approved	The granularity of LWAAP entity
784	36.331	2223		Rel-13	F	RP-161080	R2-164248	approved	Clarification on WLAN measurment
785	36.331	2224		Rel-13	F	RP-161080	R2-164251	approved	The handling of WLAN status monitoring
786	36.331	2226	1	Rel-13	F	RP-161080	R2-164528	approved	Clarification on the handover from the MeNB to the SeNB
787	36.331	2230	1	Rel-13	B	RP-161080	R2-164503	approved	Restricting Unattended Data Traffic
788	36.331	2231	6	Rel-13	B	RP-161081	R2-164573	revised	Introduction of NB-IoTin 36.331
789	36.331	2231	7	Rel-13	B	RP-161211	-	approved	Introduction of NB-IoTin 36.331
790	36.331	2231	8	Rel-13	B	RP-161248	-	withdrawn	Introduction of NB-IoTin 36.331
791	36.331	2233		Rel-13	F	RP-161080	R2-164292	approved	Correction to T302 and T308 conflict issue

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792	36.331	2234	1	Rel-13	F	RP-161080	R2-164439	approved	Various corrections to MTCe related ASN.1 code and field descriptions
793	36.331	2235		Rel-13	F	RP-161080	R2-164295	approved	Clarification to field description for the timer T360
794	36.331	2236		Rel-13	F	RP-161080	R2-164296	approved	Clarification to ordering of Rel13 Frequency priority lists
795	36.331	2238	1	Rel-13	C	RP-161080	R2-164479	approved	Introduction of LWIP counter
796	36.331	2239	1	Rel-13	F	RP-161080	R2-164533	approved	Clarification on EpdcchSetConfig for eMTC
797	36.331	2240	2	Rel-13	C	RP-161080	R2-164577	approved	Skipping fallback “2DL + 1UL” CA in UE capability report in Rel 13
798	36.331	2241	2	Rel-13	F	RP-161112	-	revised	NAS timer settings for eMTC
799	36.331	2241	3	Rel-13	F	RP-161270	-	approved	NAS timer settings for eMTC
800	36.361	0001	1	Rel-13	F	RP-161080	R2-164478	approved	Corrections to LWIPEP specification
801	36.401	0078	5	Rel-13	B	RP-161042	R3-160904	approved	Introduction of the UE context resume function
802	36.413	1383	11	Rel-13	B	RP-161042	R3-161543	approved	Introduction of the UE context resume function
803	36.413	1393	7	Rel-13	B	RP-161042	R3-161439	approved	Introduction of common impacts of NB-IoT solutions
804	36.413	1410	5	Rel-13	B	RP-161042	R3-161053	approved	Introduction Control Plane CIoT EPS optimization
805	36.413	1415	3	Rel-13	B	RP-161043	R3-161440	approved	Indication of bearer type over S1 for cIOT
806	36.413	1420	4	Rel-13	B	RP-161042	R3-161527	approved	Indication of RAT type
807	36.413	1426	1	Rel-13	F	RP-160959	-	approved	Additional eDRX cycle value
808	36.413	1426		Rel-13	F	RP-161047	R3-161226	revised	Additional eDRX cycle value
809	36.413	1427	1	Rel-13	F	RP-160960	-	withdrawn	Additional eDRX cycle value
810	36.413	1428	2	Rel-13	F	RP-161047	R3-161395	approved	Handling of GUMMEI in overload procedures
811	36.413	1429	2	Rel-13	F	RP-161047	R3-161502	approved	On Paging Time Window unit
812	36.423	0965	7	Rel-13	B	RP-161042	R3-161526	approved	Introduction of the inter-eNB UE Context Resume function
813	36.423	0968	1	Rel-13	F	RP-161043	R3-160991	approved	Correction on the DC function description
814	36.423	0969	3	Rel-13	F	RP-161043	R3-161394	approved	Correction on the extended eNB UE X2AP ID
815	36.423	0972	2	Rel-13	B	RP-161043	R3-161055	approved	Indication of bearer type for cIOT
816	36.423	0973	1	Rel-12	F	RP-161049	R3-160915	approved	Correction on Old/New eNB UE X2AP ID
817	36.423	0978		Rel-13	F	RP-161047	R3-160916	approved	Correction of RSRP Measurement Report List
818	36.425	0007	1	Rel-13	F	RP-161043	R3-160994	approved	Correction on Extention of X2 SN
819	36.463	0003	2	Rel-13	F	RP-161046	R3-161393	approved	Addition of measurement configuration
820	36.463	0004	1	Rel-13	F	RP-161046	R3-160911	approved	Correction on RESET procedure
821	36.463	0005		Rel-13	F	RP-161046	R3-160664	approved	Correction on WT Initiated WT Modification
822	36.463	0007	2	Rel-13	F	RP-161046	R3-160999	approved	Correction on WT Configuration update
823	36.463	0008	2	Rel-13	F	RP-161046	R3-161000	approved	Correction on Global eNB ID
824	36.463	0012		Rel-13	F	RP-161043	R3-160841	approved	Correction to WT-Initiated WT Modification
825	36.463	0014	3	Rel-13	F	RP-161046	R3-161544	approved	Xw-AP corrections

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826	36.463	0017	1	Rel-13	F	RP-161046	R3-161398	approved	Rapporteur updates to TS 36.463
827	36.464	0001	1	Rel-13	F	RP-161046	R3-161397	approved	Rapporteur updates – miscellaneous corrections
828	36.465	0001	1	Rel-13	F	RP-161046	R3-160909	approved	TS 36.465 correction for LWA
829	36.465	0003	2	Rel-13	F	RP-161046	R3-160995	approved	Correction to the description of the Xw UP protocol services and Xw-U Sequence Number
830	36.465	0004	1	Rel-13	F	RP-161046	R3-160971	approved	Correction to the range of the Xw-U Sequence Number
831	36.508	0692		Rel-12	F	RP-160833	R5-162028	approved	Clarifications to the D2D ProSe test environment for signalling tests
832	36.508	0693		Rel-12	F	RP-160846	R5-162042	approved	Removing outdated Editor's Notes
833	36.508	0694		Rel-12	F	RP-160837	R5-162073	approved	Correction to generic default messages for Dual Connectivity
834	36.508	0695	1	Rel-12	F	RP-160837	R5-162883	approved	Correction to generic RF procedures for Dual Connectivity
835	36.508	0697	1	Rel-13	F	RP-160862	R5-162797	approved	Updates to Common parameter in EUTRA (SIB1) and NAS Default Messages and informational elements contents to include Extended DRX parameters
836	36.508	0698		Rel-12	F	RP-160833	R5-162133	approved	Update generic procedures 4.5A.22
837	36.508	0699	1	Rel-12	F	RP-160833	R5-162902	approved	Add TLS default messages
838	36.508	0700	1	Rel-12	F	RP-160831	R5-163077	approved	Add IKEv2 default messages
839	36.508	0701		Rel-13	F	RP-160841	R5-162170	approved	Updates of 6.2.3.2 Test Frequency for CA_3A-41A for CA signalling test
840	36.508	0702		Rel-13	F	RP-160841	R5-162171	approved	Updates of CA Channel Bandwidth combination for CA signalling test in sub-clause 4.3.1
841	36.508	0703	1	Rel-12	F	RP-160858	R5-163080	approved	[Common] Updates to WLAN offloading procedures to allow IMS PDN
842	36.508	0704	1	Rel-12	F	RP-160837	R5-163025	approved	Correction to generic procedures for protocol testing of Dual Connectivity
843	36.508	0705	1	Rel-12	F	RP-160858	R5-162764	approved	Correction to Tracking area update request message (mobility from another RAT)
844	36.508	0708	2	Rel-12	F	RP-160843	R5-163193	approved	Addition of test frequencies for band 66
845	36.508	0709	2	Rel-12	F	RP-160858	R5-163053	approved	Updates to handle IMS registration in WLAN offloading procedures
846	36.508	0710		Rel-12	F	RP-160837	R5-162394	approved	Introduction of test frequencies for protocol testing of Dual Connectivity
847	36.508	0711	1	Rel-13	F	RP-160841	R5-163117	approved	Addition of RF test frequencies for CA_5B, CA_5A-5A & CA_3C-5A to Section 4.3.1
848	36.508	0712	1	Rel-13	F	RP-160841	R5-162795	approved	Addition of signalling test frequencies for CA_5B, CA_5A-5A & CA_3C-5A to Section 6.2.3.2
849	36.508	0713	1	Rel-13	F	RP-160866	R5-163001	approved	Addition of LAA related message definitions in TS36.508

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850	36.508	0714	1	Rel-13	F	RP-160864	R5-163038	approved	Addition of some SC-PTM related message definitions in TS36.508
851	36.508	0716		Rel-13	F	RP-160841	R5-162541	approved	Add test frequencies for CA_42D in 36.508
852	36.508	0717	1	Rel-12	F	RP-160858	R5-163012	approved	Defining SIB combination for TDD-FDD CA
853	36.508	0718		Rel-12	F	RP-160858	R5-162558	approved	New CA band combination CA_8A-40A – Updates of 6.2.3.2 Test Frequency
854	36.508	0719	1	Rel-12	F	RP-160833	R5-162903	approved	Update of 36508 adding Default ProSe messages D2D
855	36.508	0720	1	Rel-12	F	RP-160833	R5-162904	approved	Update of 36508 References for D2D
856	36.508	0721	1	Rel-12	F	RP-160833	R5-162906	approved	Update of 36508 SIB19 D2D
857	36.508	0722	1	Rel-12	F	RP-160833	R5-162907	approved	Update of 36508 SIB18 D2D
858	36.508	0723		Rel-12	F	RP-160833	R5-162611	approved	Update of 36508 USIM for D2D
859	36.508	0724	1	Rel-12	F	RP-160839	R5-163081	approved	Modification of reference message definitions for eIMTA
860	36.508	0726	2	Rel-13	F	RP-160861	R5-163156	approved	Introduction of default messages for testing of CAT-M1 UE and UE in enhanced coverage
861	36.508	0727	1	Rel-13	F	RP-160863	R5-162972	approved	Band 65 test frequencies for 36.508 clause 4.3
862	36.508	0728	1	Rel-13	F	RP-160863	R5-162796	approved	Band 65 signaling test frequencies for 36.508 clause 6.2.3
863	36.508	0729	1	Rel-12	F	RP-160847	R5-163079	approved	Introduction of Generic Test Procedure for optional UE initiated detaching
864	36.508	0730	1	Rel-12	F	RP-160846	R5-162766	approved	Updates to bitrate values for the dedicated EPS video bearer
865	36.508	0732		Rel-12	F	RP-160858	R5-162767	approved	Editorial correction to the test procedure of 6.4.3.10
866	36.508	0733		Rel-13	F	RP-160841	R5-163052	approved	Update of Rel-13 CA test frequency CA_19A-28A and CA_21A-42C
867	36.508	0734		Rel-12	F	RP-160835	R5-162889	approved	Addition of test frequencies for intra-band non-contiguous Low WGap test points
868	36.509	0153		Rel-12	F	RP-160858	R5-162059	approved	Various updates
869	36.509	0154		Rel-12	F	RP-160833	R5-162132	approved	D2D Prose: Various updates
870	36.509	0155		Rel-12	F	RP-160858	R5-162144	approved	Handling of multi-PDNs-configured UEs
871	36.509	0156	1	Rel-12	F	RP-160833	R5-162908	approved	Updates to Clause 6.1 CLOSE UE TEST LOOP and 6.14 UE TEST LOOP PROSE PACKET COUNTER RESPONSE
872	36.509	0157	1	Rel-13	F	RP-160864	R5-163091	approved	introducing UE Test loop mode F
873	36.509	0158	1	Rel-12	F	RP-160833	R5-162909	approved	Update of 36509 modes E&D D2D
874	36.521-1	2525	1	Rel-13	F	RP-160838	R5-162953	approved	CR for Clause 9.3.8.2 in 36.521-1
875	36.521-1	2527		Rel-13	F	RP-160838	R5-162088	approved	Test Tolerances for FDD PDSCH Closed Loop Single Layer Spatial Multiplexing 2x2 with TM4 Interference Model– Enhanced Performance

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1	**Spec**	**CR**	**Rev**	**REL**	**Cat**	**Plenary doc**	**WG doc**	**TSG status**	**Subject**
876	36.521-1	2528		Rel-13	F	RP-160838	R5-162090	approved	Test Tolerances for TDD PDSCH Closed Loop Single Layer Spatial Multiplexing 2x2 with TM4 Interference Model– Enhanced Performance
877	36.521-1	2529	1	Rel-13	F	RP-160842	R5-163129	approved	Addition of new test case 7.9_1 Spurious emissions with 4 Rx antenna ports
878	36.521-1	2530	1	Rel-13	F	RP-160840	R5-162838	approved	Addition of CA_4A-12A Bandwidth combination set5 information
879	36.521-1	2531	1	Rel-13	F	RP-160840	R5-162846	approved	Addition of Rel-13 CA combination CA_3A-41A to refsens for inter-band 2DL CA
880	36.521-1	2532	1	Rel-13	F	RP-160835	R5-162993	approved	Update test case 6.2.4A.2:AMPR for 2UL inter-band CA
881	36.521-1	2533		Rel-13	F	RP-160835	R5-162169	approved	Corrections to Annex F.1.2 and F.3.2 for Pcmax test case
882	36.521-1	2534	1	Rel-13	F	RP-160856	R5-163130	approved	Revise Power Control Relative power tolerance for CA (intra-band contiguous DL CA and UL CA) test case 6.3.5A.2.1
883	36.521-1	2535	1	Rel-13	F	RP-160857	R5-162811	approved	Corrections to CA_41A-41C and CA_41C-41A tables in clauses 7.3A.5, 7.4A.5, 7.5A.5, 7.6.1A.5, 7.6.2A.5, 7.6.3A.5 and 7.8.1A.5
884	36.521-1	2536		Rel-13	F	RP-160834	R5-162189	approved	Additions to test case 6.3.5E.3 – Aggregate power control tolerance for UE category 0
885	36.521-1	2537		Rel-13	F	RP-160834	R5-162191	approved	Additions to test case 6.3.5E.2 – Power Control Relative power tolerance for UE category 0
886	36.521-1	2538		Rel-13	F	RP-160842	R5-162192	approved	Editorial correction in Reference sensitivity QPSK PREFSENS four antenna ports Table number
887	36.521-1	2539		Rel-13	F	RP-160842	R5-162195	approved	Addition In-band blocking with 4 Rx antenna ports test case
888	36.521-1	2540	2	Rel-13	F	RP-160834	R5-162976	approved	6.3.4E.1 – General ON/OFF time mask for UE category 0
889	36.521-1	2541	1	Rel-13	F	RP-160846	R5-162978	approved	6.3.4.1 – General ON/OFF time mask.
890	36.521-1	2542		Rel-13	F	RP-160840	R5-162210	approved	Addition of UL CA capability for CA_4A-5A in Table 5.4.2A.1-2
891	36.521-1	2543		Rel-13	F	RP-160840	R5-162211	approved	New test points for CA_4A-5A (2DL-2UL) in sec. 6.2 and sec. 6.3
892	36.521-1	2544		Rel-13	F	RP-160840	R5-162212	approved	New test points for CA_4A-5A (2DL-2UL) in sec. 6.5 and sec. 6.6
893	36.521-1	2545		Rel-13	F	RP-160840	R5-162215	approved	Update of requirements in TC 6.2.2A.2 for CA_4A-5A (2DL-2UL)
894	36.521-1	2546	1	Rel-13	F	RP-160860	R5-162802	approved	Introduction of MPR for inter-band DL CA and UL CA for UL 64QAM
895	36.521-1	2547	1	Rel-13	F	RP-160860	R5-162803	approved	Introduction of MPR for intra-band non-contiguous CA and UL CA for UL 64QAM
896	36.521-1	2548	1	Rel-13	F	RP-160860	R5-162977	approved	Introduction of AMPR for inter-band DL CA and UL CA for UL 64QAM

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897	36.521-1	2549	1	Rel-13	F	RP-160860	R5-162979	approved	Introduction of EVM for inter-band UL CA for UL 64QAM
898	36.521-1	2550	1	Rel-13	F	RP-160860	R5-162980	approved	Introduction of ASEM for inter-band DL CA and UL CA for UL 64QAM
899	36.521-1	2551	1	Rel-13	F	RP-160860	R5-162981	approved	Introduction of ACLR for inter-band DL CA and UL CA for UL 64QAM
900	36.521-1	2552	1	Rel-13	F	RP-160860	R5-162982	approved	Introduction of ASE for inter-band DL CA and UL CA for UL 64QAM
901	36.521-1	2553	1	Rel-13	F	RP-160857	R5-162804	approved	Rel-11 Test point reduction for intra-band non-contiguous UL CA MPR and ACLR tests
902	36.521-1	2554	1	Rel-13	F	RP-160857	R5-162805	approved	Rel-11 Test point reduction for inter-band UL CA AMPR, ASEM and ASE tests
903	36.521-1	2555	1	Rel-13	F	RP-160846	R5-162806	approved	R8 - Modification of test bandwidths in AMPR, ASEM and ASE test
904	36.521-1	2556	1	Rel-13	F	RP-160860	R5-162807	approved	R13 - Modification of test bandwidths in AMPR and ASE for UL 64QAM test
905	36.521-1	2557		Rel-13	F	RP-160860	R5-162235	approved	Introduction of ACLR for intra-band non-contiguous UL CA for UL 64QAM
906	36.521-1	2558	1	Rel-13	F	RP-160842	R5-163110	approved	New 2x4 test case: PDSCH CLSM TypeA
907	36.521-1	2559	1	Rel-13	F	RP-160842	R5-162837	approved	New test case: 2x4 PDSCH TM9 single layer TypeA
908	36.521-1	2560	1	Rel-13	F	RP-160842	R5-162851	approved	New test case: 4layer PDSCH CLSM
909	36.521-1	2561	1	Rel-13	F	RP-160842	R5-162852	approved	New test case: 4layer PDSCH TM9 SM
910	36.521-1	2562	1	Rel-13	F	RP-160842	R5-162853	approved	New test case: 3layer PDSCH OLSM
911	36.521-1	2563		Rel-13	F	RP-160833	R5-162241	approved	New test case: Maximum sidelink processes for ProSe Direct discovery
912	36.521-1	2564	1	Rel-13	F	RP-160833	R5-162877	approved	New test case: PSSCH performance for ProSe Direct communication
913	36.521-1	2565	1	Rel-13	F	RP-160833	R5-162878	approved	New test case: Maximum sidelink processes for ProSe Direct communication
914	36.521-1	2566	1	Rel-13	F	RP-160840	R5-162989	approved	Update of TC 6.6.2.2A.2 for CA_4A-5A (2DL-2UL)
915	36.521-1	2567	1	Rel-13	F	RP-160840	R5-162839	approved	Update of TC 6.6.3.1A.2 for CA_4A-5A (2DL-2UL)
916	36.521-1	2568	1	Rel-13	F	RP-160833	R5-163107	approved	New D2D Tx test case 6.5.1D.1 Frequency error for ProSe Direct Discovery
917	36.521-1	2569		Rel-13	F	RP-160840	R5-162247	approved	Update of TC 7.3A.6 for CA_4A-5A (2DL-2UL)
918	36.521-1	2570		Rel-13	F	RP-160833	R5-162248	approved	New D2D Tx test case 6.5.1D.2 Frequency error for ProSe Direct Communication
919	36.521-1	2571		Rel-13	F	RP-160833	R5-162249	approved	Update of Inter-band E-UTRA ProSe / E-UTRA operating bands to chapter 5 of TS 36.521-1

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920	36.521-1	2572		Rel-13	F	RP-160835	R5-162251	approved	Update to CA 2UL Tx test case 6.5.1A.3 Frequency Error for CA (intra-band non-contiguous DL CA and UL CA)
921	36.521-1	2573	1	Rel-13	F	RP-160842	R5-162854	approved	New Performance test case 8.10.4.1.1 FDD distributed EPDCCH performance 2x4
922	36.521-1	2574	1	Rel-13	F	RP-160842	R5-162855	approved	New Performance test case 8.10.4.1.2 TDD distributed EPDCCH performance 2x4
923	36.521-1	2575	1	Rel-13	F	RP-160842	R5-162856	approved	New Performance test case 8.10.4.2.1 FDD localized EPDCCH performance with TM9 2x4
924	36.521-1	2576	1	Rel-13	F	RP-160842	R5-162857	approved	New Performance test case 8.10.4.2.2 TDD localized EPDCCH performance with TM9 2x4
925	36.521-1	2577	1	Rel-13	F	RP-160835	R5-162865	approved	Rearrangement of TC 6.6.2.3A.1_1 and TC 6.6.2.3A.2 and corrections to TC 6.6.2.3A.2
926	36.521-1	2584	1	Rel-13	F	RP-160840	R5-162840	approved	Updates TC7.3 for new Rel-13 defined CA combinations to minimum requirements of Reference sensitivity
927	36.521-1	2585	1	Rel-13	F	RP-160840	R5-162841	approved	Updates TC7.3A for new Rel-13 defined CA combinations to minimum requirements of Reference sensitivity for CA
928	36.521-1	2586	1	Rel-13	F	RP-160840	R5-162842	approved	Updates of some Rel-13 defined CA combinations to operating bands of TS 36.521-1
929	36.521-1	2587	1	Rel-13	F	RP-160840	R5-162843	approved	Updates TC6.2.5 for delta TIB,c values with new Rel-13 CA band combination
930	36.521-1	2588	1	Rel-13	F	RP-160861	R5-163100	approved	Introduction of new eMTC RF test case 6.3.5EA.1 for category M1
931	36.521-1	2589	1	Rel-13	F	RP-160861	R5-163101	approved	Introduction of new eMTC RF test case 6.3.5EA.2 for category M1
932	36.521-1	2590		Rel-13	F	RP-160838	R5-162296	approved	New TC: FDD PDSCH Closed Loop Single-layer Spatial Multiplexing on antenna ports 7 or 8 with TM9 Interference Model - Enhanced Performance Requirement Type B
933	36.521-1	2591	1	Rel-13	F	RP-160838	R5-162954	approved	New TC: TDD PDSCH Closed Loop Single-layer Spatial Multiplexing on antenna ports 7 or 8 with TM9 Interference Model - Enhanced Performance Requirement Type B
934	36.521-1	2593		Rel-13	F	RP-160836	R5-162303	approved	RF: Wrong Number of PDCCH symbols in TC 8.2.1.4.1_H
935	36.521-1	2594		Rel-13	F	RP-160836	R5-162304	approved	RF: Corrections to RMCs in Annex A
936	36.521-1	2595		Rel-13	F	RP-160859	R5-162306	approved	RF: Correction to RMC for UE Category 1 in CSI tests
937	36.521-1	2597		Rel-13	F	RP-160856	R5-162308	approved	RF: Pb setting in power imbalance TCs
938	36.521-1	2598		Rel-13	F	RP-160859	R5-162309	approved	RF: UE Categories in FDD-TDD 2DL joint operation CSI test cases
939	36.521-1	2599	1	Rel-13	F	RP-160837	R5-162884	approved	Update to FDD PDSCH Closed Loop Multi-Layer Spatial Multiplexing 4x2 for Dual Connectivity

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1	**Spec**	**CR**	**Rev**	**REL**	**Cat**	**Plenary doc**	**WG doc**	**TSG status**	**Subject**
940	36.521-1	2600	1	Rel-13	F	RP-160837	R5-162885	approved	Update to TDD PDSCH Closed Loop Multi-Layer Spatial Multiplexing 4x2 for Dual Connectivity
941	36.521-1	2601	1	Rel-13	F	RP-160837	R5-162886	approved	Update to sustained data rate performance for Dual Connectivity 64QAM
942	36.521-1	2602	1	Rel-13	F	RP-160842	R5-162858	approved	Introduction of FDD PCFICH/PDCCH Single-antenna Port Performance 1x4
943	36.521-1	2603	1	Rel-13	F	RP-160842	R5-162859	approved	Introduction of FDD PCFICH/PDCCH Transmit Diversity 2x4
944	36.521-1	2604	1	Rel-13	F	RP-160842	R5-162992	approved	Introduction of FDD PCFICH/PDCCH Transmit Diversity 4x4
945	36.521-1	2605		Rel-13	F	RP-160842	R5-162324	approved	Introduction of TDD PCFICH/PDCCH Single-antenna Port Performance 1x4
946	36.521-1	2606	1	Rel-13	F	RP-160842	R5-162860	approved	Introduction of TDD PCFICH/PDCCH Transmit Diversity 2x4
947	36.521-1	2607	1	Rel-13	F	RP-160842	R5-162861	approved	Introduction of TDD PCFICH/PDCCH Transmit Diversity 4x4
948	36.521-1	2608		Rel-13	F	RP-160837	R5-162340	approved	Added Channel BW clause for Dual Connectivity
949	36.521-1	2609		Rel-13	F	RP-160833	R5-162343	approved	Introduction of Spurious Response for ProSe
950	36.521-1	2610		Rel-13	F	RP-160833	R5-162344	approved	Introduction of In-band blocking for ProSe
951	36.521-1	2611		Rel-13	F	RP-160833	R5-162345	approved	Introduction of Out-of-band blocking for ProSe
952	36.521-1	2612		Rel-13	F	RP-160833	R5-162346	approved	Annex F: Addition of chapter 7 ProSe TCs
953	36.521-1	2614	1	Rel-13	F	RP-160835	R5-162866	approved	UL CA: Corrections to intra-band non-contiguous test configuration tables
954	36.521-1	2615		Rel-13	F	RP-160835	R5-162350	approved	UL CA: Corrections to 6.5.2A.x inter-band and non-contiguous TCs
955	36.521-1	2616	1	Rel-13	F	RP-160856	R5-162808	approved	UL CA: Corrections to TC 6.5.2A.1.1
956	36.521-1	2618		Rel-13	F	RP-160860	R5-162354	approved	Correction to UL64QAM A-MPR and ASE tests
957	36.521-1	2619		Rel-13	F	RP-160856	R5-162355	approved	Correction to TC 8.2.1.3.1A_A.1
958	36.521-1	2621	1	Rel-13	F	RP-160859	R5-162817	approved	Corrections to chapter 8 joint operation TCs
959	36.521-1	2622		Rel-13	F	RP-160859	R5-162358	approved	Annex G: Corrections to test times for joint operation TCs
960	36.521-1	2623	1	Rel-13	F	RP-160836	R5-162832	approved	Corrections to 256QAM SDR joint operation TCs
961	36.521-1	2624	2	Rel-13	F	RP-160856	R5-162967	approved	Addition CA combinations in intra-band contiguous DL CA and UL CA transmitter test cases
962	36.521-1	2625		Rel-13	F	RP-160843	R5-162393	approved	Addition CA_66A-66A in test case 7.4A.4_H
963	36.521-1	2627	1	Rel-13	F	RP-160840	R5-162844	approved	Addition of CA_4A-4A BW set 1
964	36.521-1	2628		Rel-13	F	RP-160840	R5-162420	approved	Addition of CA_1A-3A-7A in 36.521-1
965	36.521-1	2629		Rel-13	F	RP-160840	R5-162421	approved	Addition of CA_3A-7A-8A in 36.521-1
966	36.521-1	2631	1	Rel-13	F	RP-160835	R5-162994	approved	Update to TC 6.3.5A.2.2 Power Control Relative power tolerance for CA (inter-band DL CA and UL CA)

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1	**Spec**	**CR**	**Rev**	**REL**	**Cat**	**Plenary doc**	**WG doc**	**TSG status**	**Subject**
967	36.521-1	2632	1	Rel-13	F	RP-160835	R5-162952	approved	Update to TC 6.3.5A.2.3 Power Control Relative power tolerance for CA (intra-band non-contiguous DL CA and UL CA)
968	36.521-1	2633		Rel-13	F	RP-160865	R5-162463	approved	Addition of Band 45 to Section 5 of 36.521-1
969	36.521-1	2634		Rel-13	F	RP-160865	R5-162464	approved	Addition of Band 45 in maximum output power test cases
970	36.521-1	2635		Rel-13	F	RP-160865	R5-162465	approved	Addition of Band 45 in MPR test cases
971	36.521-1	2636	1	Rel-13	F	RP-160865	R5-162975	approved	Addition of Band 45 in Spurious emission test cases
972	36.521-1	2637		Rel-13	F	RP-160865	R5-162467	approved	Addition of Band 45 in Refsens test cases
973	36.521-1	2638		Rel-13	F	RP-160865	R5-162468	approved	Addition of Band 45 in in-band blocking test cases
974	36.521-1	2639		Rel-13	F	RP-160865	R5-162469	approved	Addition of Band 45 in out-of-band blocking test cases
975	36.521-1	2640		Rel-13	F	RP-160840	R5-162475	approved	Addition of output power configuration for CA_3C-5A to Section 6.2.5
976	36.521-1	2641	1	Rel-13	F	RP-160837	R5-162887	approved	Addition of test case for FDD sustained data rate performance for Dual Connectivity 256QAM
977	36.521-1	2642	1	Rel-13	F	RP-160837	R5-162888	approved	Addition of test case for TDD sustained data rate performance for Dual Connectivity 256QAM
978	36.521-1	2643	1	Rel-13	F	RP-160835	R5-162868	approved	Addition of minimum requirement tables to clause 6.3.5A.1.0 and 6.3.5A.2.0
979	36.521-1	2644		Rel-13	F	RP-160835	R5-162486	approved	Updates of test configuration for Additional spurious emissions for 2UL inter-band CA
980	36.521-1	2645		Rel-13	F	RP-160840	R5-162490	approved	New CA band combinations CA_28A-41A and CA_28A-41C - Updates of 5.4.2A Channel bandwidth
981	36.521-1	2646		Rel-13	F	RP-160840	R5-162491	approved	New CA band combinations CA_28A-41A and CA_28A-41C - Updates of 6.2.5.3 Delta TIB
982	36.521-1	2647		Rel-13	F	RP-160840	R5-162492	approved	New CA band combinations CA_28A-41A and CA_28A-41C - Updates of 7.3.3 Delta RIB
983	36.521-1	2648	1	Rel-13	F	RP-160840	R5-162990	approved	New CA band combinations CA_28A-41A and CA_28A-41C - Updates of 7.3A Refsens
984	36.521-1	2649		Rel-13	F	RP-160840	R5-162495	approved	New CA band combinations CA_28A-42A and CA_28A-42C - Updates of 5.4.2A Channel bandwidth
985	36.521-1	2650		Rel-13	F	RP-160840	R5-162496	approved	New CA band combinations CA_28A-42A and CA_28A-42C - Updates of 6.2.5.3 Delta TIB
986	36.521-1	2651		Rel-13	F	RP-160840	R5-162497	approved	New CA band combinations CA_28A-42A and CA_28A-42C - Updates of 7.3.3 Delta RIB
987	36.521-1	2652	1	Rel-13	F	RP-160840	R5-163132	approved	New CA band combinations CA_28A-42A and CA_28A-42C - Updates of 7.3A Refsens
988	36.521-1	2653		Rel-13	F	RP-160840	R5-162499	approved	New CA band combinations CA_41C-42A and CA_41C-42C - Updates of 5.4.2A Channel bandwidth

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989	36.521-1	2654		Rel-13	F	RP-160840	R5-162500	approved	New CA band combinations CA_41C-42A and CA_41C-42C - Updates of 6.2.5.3 Delta TIB
990	36.521-1	2655		Rel-13	F	RP-160840	R5-162501	approved	New CA band combinations CA_41C-42A and CA_41C-42C - Updates of 7.3.3 Delta RIB
991	36.521-1	2656		Rel-13	F	RP-160840	R5-162502	approved	New CA band combinations CA_41C-42A - Updates of 7.3A Refsens
992	36.521-1	2657	1	Rel-13	F	RP-160860	R5-162983	approved	Updates of test point for A-Spur for UL 64QAM
993	36.521-1	2658	1	Rel-13	F	RP-160835	R5-162995	approved	Addition of a new TC for Minimom Output Power for CA (inter-band DL CA and UL CA)
994	36.521-1	2659	1	Rel-13	F	RP-160835	R5-162996	approved	Addition of a new TC for Minimom Output Power for CA (intra-band non-contiguous DL CA and UL CA)
995	36.521-1	2660	1	Rel-13	F	RP-160843	R5-162969	approved	Update BW definition for band 66 in clause 5
996	36.521-1	2661		Rel-13	F	RP-160840	R5-162527	approved	Correction of editor's note for CA_41A-42C
997	36.521-1	2662		Rel-13	F	RP-160856	R5-162528	approved	Minor correction to TC 8.2.1.4.2_A.1
998	36.521-1	2663	2	Rel-13	F	RP-160859	R5-163195	approved	Change of test points and requirements for A-MPR for NS_05
999	36.521-1	2664	1	Rel-13	F	RP-160859	R5-162987	withdrawn	Change of test case applicability for A-MPR for NS_05
1000	36.521-1	2665	1	Rel-13	F	RP-160856	R5-162812	approved	Correction of refsens test case 7.3A.3 for CA_20A-32A
1001	36.521-1	2666		Rel-13	F	RP-160840	R5-162542	approved	Updates of delta TIB,c values for some CA configurations
1002	36.521-1	2668		Rel-13	F	RP-160859	R5-162549	approved	Correction to test case 9.3.2.2.2_D
1003	36.521-1	2669		Rel-13	F	RP-160859	R5-162550	approved	Correction to test applicability in test case 8.7.5.1.1
1004	36.521-1	2670	1	Rel-13	F	RP-160859	R5-162818	approved	Correction to test case 8.2.3.2.2A
1005	36.521-1	2671		Rel-13	F	RP-160846	R5-162553	approved	Correction to test case 9.3.3.1.1.
1006	36.521-1	2673	1	Rel-13	F	RP-160859	R5-162985	approved	New CA band combination CA_8A-40A – Updates of 5.4.2A Channel Bandwidth
1007	36.521-1	2674	1	Rel-13	F	RP-160859	R5-162813	approved	New CA band combination CA_8A-40A – Updates of 7.3.3 Delta RIB
1008	36.521-1	2675	1	Rel-13	F	RP-160842	R5-162862	approved	Addition of 4Rx antenna port feature into Annex I
1009	36.521-1	2676		Rel-13	F	RP-160842	R5-162563	approved	Introduction of new Rx test case Maximum input level with 4 Rx antenna ports
1010	36.521-1	2677	1	Rel-13	F	RP-160842	R5-162863	approved	Introduction of new Rx test case Adjacent Channel Selectivity (ACS) with 4 Rx antenna ports
1011	36.521-1	2678		Rel-13	F	RP-160834	R5-162567	approved	Addition of 2x1 antenna correlation matrices for UE category 0
1012	36.521-1	2679		Rel-13	F	RP-160834	R5-162568	approved	Updates to test case 8.9.1.1.1 - FDD PDSCH Transmit Diversity 2x1 for UE category 0
1013	36.521-1	2680		Rel-13	F	RP-160834	R5-162569	approved	Updates to test case 9.7.1.1 - FDD and Half duplex FDD CQI reporting definition under AWGN conditions for UE category 0
1014	36.521-1	2681	1	Rel-13	F	RP-160835	R5-162869	approved	Updates to test case 6.6.2.2A.2 - Additional Spectrum Emission Mask for CA (inter-band DL CA and UL CA)

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1015	36.521-1	2682	1	Rel-13	F	RP-160835	R5-162997	approved	Introduction of test case 6.6.2.2A.3 - Additional Spectrum Emission Mask for CA (intra-band non-contiguous DL CA and UL CA)
1016	36.521-1	2684	1	Rel-13	F	RP-160859	R5-162814	approved	New CA band combination CA_8A-40A – Updates of 7.3A Refsens
1017	36.521-1	2685	1	Rel-13	F	RP-160846	R5-162810	approved	Correction to 6.2.4 A-MPR test for Band 12
1018	36.521-1	2686	1	Rel-13	F	RP-160846	R5-162815	approved	Correction to reference sensitivity test cases
1019	36.521-1	2687	1	Rel-13	F	RP-160856	R5-162816	approved	Clarification of interferer frequencies in ACS
1020	36.521-1	2688		Rel-13	F	RP-160857	R5-162593	approved	Correction to CQI tests for Enhanced Performance Type A
1021	36.521-1	2689		Rel-13	F	RP-160859	R5-162594	approved	Correction to TDD FDD CA CQI Reporting tests
1022	36.521-1	2690	1	Rel-13	F	RP-160856	R5-162819	approved	Additional test point for 3DL CA Performance and CQI test cases
1023	36.521-1	2691		Rel-13	F	RP-160857	R5-162596	approved	Correction to demodulation test cases for CoMP in 8.3.1.3.2_F and 8.3.2.4.2_F
1024	36.521-1	2692		Rel-13	F	RP-160856	R5-162597	approved	Correction to PDCCH Aggregation Level for SDR test
1025	36.521-1	2693	1	Rel-13	F	RP-160859	R5-162820	approved	Correction to TDD FDD CA performance test cases for FDD PCell(2DL and 3DL)
1026	36.521-1	2694	1	Rel-13	F	RP-160859	R5-162821	approved	Correction to TDD FDD CA performance test cases for TDD PCell TCs(2DL)
1027	36.521-1	2695		Rel-13	F	RP-160840	R5-162605	approved	Update of refsens test case 7.3A.3 for CA_20A-67A
1028	36.521-1	2696	1	Rel-13	F	RP-160861	R5-162875	approved	Adding operating band definitions for MTC and eMTC
1029	36.521-1	2699	1	Rel-13	F	RP-160835	R5-162870	approved	Re-submission of New CA 2UL Tx test case 6.5.2A.1.3 Error Vector Magnitude (EVM) for CA (intra-band non-contiguous DL CA and UL CA)
1030	36.521-1	2700		Rel-13	F	RP-160835	R5-162647	approved	Re-Addition of new LTE_CA_Rel12_2UL test case 6.6.3.2A.3
1031	36.521-1	2701	1	Rel-13	F	RP-160863	R5-162973	approved	Band 65 introduction to Chapter 5 in 36.521-1
1032	36.521-1	2702	2	Rel-13	F	RP-160863	R5-163194	approved	Band 65 introduction to Chapter 6.2 in 36.521-1
1033	36.521-1	2703	1	Rel-13	F	RP-160863	R5-162974	approved	Band 65 introduction to Chapter 6.6.3 in 36.521-1
1034	36.521-1	2704		Rel-13	F	RP-160863	R5-162661	approved	Band 65 introduction to Chapter 7 in 36.521-1
1035	36.521-1	2705	1	Rel-13	F	RP-160861	R5-163102	approved	Addition of new test case for aggregate power control tolerance for UE category M1
1036	36.521-1	2706	1	Rel-13	F	RP-160861	R5-163103	approved	Addition of New test case for Maximum input level for UE category M1
1037	36.521-1	2707	1	Rel-13	F	RP-160861	R5-163104	approved	Addition of New test case for Adjacent Channel Selectivity (ACS) for category M1
1038	36.521-1	2708	1	Rel-13	F	RP-160840	R5-163119	approved	Introduction of new TC7.3A.9 4DL CA
1039	36.521-1	2709	1	Rel-13	F	RP-160840	R5-163120	approved	Introduction of new TC7.4A.7 4DL CA
1040	36.521-1	2710	1	Rel-13	F	RP-160840	R5-162847	approved	Introduction of new TC8.2.1.4.2_A.3 4DL CA

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1041	36.521-1	2711	1	Rel-13	F	RP-160840	R5-163121	approved	Introduction of new TC7.5A.7 4DL CA
1042	36.521-1	2712	1	Rel-13	F	RP-160840	R5-163122	approved	Introduction of new TC7.6.1A.7 4DL CA
1043	36.521-1	2713	1	Rel-13	F	RP-160840	R5-163123	approved	Introduction of new TC7.6.2A.7 4DL CA
1044	36.521-1	2715	1	Rel-13	F	RP-160840	R5-163124	approved	Introduction of new TC7.6.3A.7 4DL CA
1045	36.521-1	2716	1	Rel-13	F	RP-160840	R5-162991	approved	Introduction of new TC7.7A.7 4DL CA
1046	36.521-1	2717	1	Rel-13	F	RP-160840	R5-163125	approved	Introduction of new TC7.8.1A.7 4DL CA
1047	36.521-1	2718	1	Rel-13	F	RP-160840	R5-163126	approved	Updates of delta TIB,c values and table references for delta TIB,c for TC 6.2.5
1048	36.521-1	2719	1	Rel-13	F	RP-160840	R5-162848	approved	Addition of definition of CA capability with 4DL & 5DL CCs
1049	36.521-1	2720	1	Rel-13	F	RP-160840	R5-162849	approved	Addition of Operating bands for CA in clause 5.2A
1050	36.521-1	2722	1	Rel-13	F	RP-160833	R5-162879	approved	New test Case: ProSe-UE Maximum Output Power
1051	36.521-1	2723	1	Rel-13	F	RP-160833	R5-162880	approved	New test Case: ProSe-UE Maximum Power Reduction test case
1052	36.521-1	2724	1	Rel-13	F	RP-160835	R5-162872	approved	Additions to test case 6.6.3.1A.2 – Transmitter Spurious emissions for CA (inter-band DL CA and UL CA)
1053	36.521-1	2725	1	Rel-13	F	RP-160835	R5-162867	approved	Updates of test configuration for EVM and Carrier leakage test cases of 2UL CA
1054	36.521-1	2726	1	Rel-13	F	RP-160856	R5-163196	approved	Correction to the UL CA Frequency Error Testcase
1055	36.521-1	2727	1	Rel-13	F	RP-160840	R5-163127	approved	Introduction of CA 1A-8A-11A in chapters 5, 6 and 7
1056	36.521-1	2728		Rel-13	F	RP-160835	R5-162890	approved	Adding Low Wgap definition to section 3
1057	36.521-2	0388		Rel-13	F	RP-160835	R5-162022	approved	Adding missing ICS for UE supporting multiple timing advances
1058	36.521-2	0389	1	Rel-13	F	RP-160843	R5-163109	approved	Add B66 information in TS 36.521-2
1059	36.521-2	0390	1	Rel-13	F	RP-160842	R5-162864	approved	Addition of applicability for TC 7.9_1 Spurious emissions with 4 Rx antenna ports
1060	36.521-2	0391	1	Rel-13	F	RP-160841	R5-162850	approved	Update of CA Physical Layer Baseline Implementation Capabilities for new CA configuration in Annex A.4.6
1061	36.521-2	0392	1	Rel-13	F	RP-160835	R5-162873	approved	Add applicability for test case 6.2.4A.2
1062	36.521-2	0394	1	Rel-13	F	RP-160834	R5-162956	approved	Addition of test cases in Table 4.1-1: Applicability of RF conformance test cases.
1063	36.521-2	0395		Rel-13	F	RP-160842	R5-162197	approved	7.6.1_1 In-band blocking with 4 Rx antenna ports test applicability
1064	36.521-2	0396		Rel-13	F	RP-160860	R5-162229	approved	Introduction of test applicability for newly introduced UL 64QAM test cases
1065	36.521-2	0397		Rel-13	F	RP-160833	R5-162250	approved	Addition of applicabilities for 2 Tx test cases 6.5.1D.1 and 6.5.1D.2
1066	36.521-2	0398		Rel-13	F	RP-160842	R5-162256	approved	Addition of applicability for test case 8.10.4.1.1 with 4 Rx antenna ports

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1067	36.521-2	0399		Rel-13	F	RP-160842	R5-162257	approved	Addition of applicability for test case 8.10.4.1.2 with 4 Rx antenna ports
1068	36.521-2	0400		Rel-13	F	RP-160842	R5-162259	approved	Addition of applicability for test case 8.10.4.2.1 with 4 Rx antenna ports
1069	36.521-2	0401		Rel-13	F	RP-160842	R5-162260	approved	Addition of applicability for test case 8.10.4.2.2 with 4 Rx antenna ports
1070	36.521-2	0402	1	Rel-13	F	RP-160859	R5-162822	approved	Editorial corrections of the condition table in the TS 36.521-2
1071	36.521-2	0406		Rel-13	F	RP-160838	R5-162298	approved	Applicability of new RF NAICS test cases
1072	36.521-2	0407	1	Rel-13	F	RP-160856	R5-162825	approved	Minor correction to FGI FDD and TDD tables
1073	36.521-2	0408		Rel-13	F	RP-160841	R5-162403	approved	Addition of CA Physical Layer Baseline Implementation Capabilities for CA_1A-3A-7A and CA_3A-7A-8A to 36.521-2
1074	36.521-2	0409	1	Rel-13	F	RP-160859	R5-162826	approved	Correction to applicability of RRM test cases condition in table 4.2-1a
1075	36.521-2	0410	1	Rel-13	F	RP-160860	R5-162827	approved	Correction to RF applicability condition for feICIC
1076	36.521-2	0411	1	Rel-13	F	RP-160860	R5-162824	approved	Modification to feICIC RRM test cases applicability
1077	36.521-2	0413		Rel-13	F	RP-160835	R5-162487	approved	Addition of applicability for Additional spurious emissions for CA (inter-band DL CA and UL CA)
1078	36.521-2	0414		Rel-13	F	RP-160836	R5-162488	approved	Update to the applicability for SCE RRM test cases
1079	36.521-2	0415		Rel-12	F	RP-160846	R5-162489	approved	Correction to applicability table for EUTRA TDD to UTRA TDD Son test case
1080	36.521-2	0416		Rel-13	F	RP-160841	R5-162503	approved	New some Rel-13 defined CA combinations - Updates of Table A.4.6.3-3
1081	36.521-2	0417	1	Rel-13	F	RP-160859	R5-162828	approved	Correction of Tested CA Configurations Selection Criteria
1082	36.521-2	0419		Rel-13	F	RP-160859	R5-162546	approved	Correction to condition C73h
1083	36.521-2	0420		Rel-13	F	RP-160856	R5-162547	approved	Correction to condition C28y
1084	36.521-2	0421		Rel-13	F	RP-160842	R5-162565	approved	Applicability for 4Rx antenna ports test cases
1085	36.521-2	0422		Rel-13	F	RP-160835	R5-162574	approved	Applicability for 2UL CA test cases
1086	36.521-2	0423	1	Rel-13	F	RP-160859	R5-162829	approved	New CA band combination CA_8A-40A – Updates of Table A.4.6.3-3
1087	36.521-2	0424		Rel-13	F	RP-160863	R5-162650	approved	Band 65 introduction to 36.521-2
1088	36.521-2	0425	1	Rel-13	F	RP-160837	R5-163118	approved	Applicability CR to 36.521-2 for new DC test cases
1089	36.521-2	0426	1	Rel-13	F	RP-160861	R5-163105	approved	Introduction of ICS and applicability for new e-MTC RF test cases
1090	36.521-2	0427		Rel-13	F	RP-160841	R5-163019	approved	Introduction of CA Physical Layer Baseline Implementation for CA_1A-8A-11A
1091	36.521-3	1421	1	Rel-12	F	RP-160834	R5-162891	approved	Uncertainties and Test Tolerances for MTC RRM TC 8.1.11, 8.1.12, 8.1.13, 8.1.17 and 8.1.18

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1092	36.521-3	1422		Rel-12	F	RP-160846	R5-162186	approved	Editorial correction uplink absolute power measurement in Annex F.1.2
1093	36.521-3	1423		Rel-12	F	RP-160833	R5-162190	approved	Update of test tolerance for UE ProSe discovery transmission timing
1094	36.521-3	1424		Rel-12	F	RP-160833	R5-162193	withdrawn	Update of Test Tolerance analyses for 7.5.1
1095	36.521-3	1425		Rel-12	F	RP-160859	R5-162278	approved	Correction to Table number for using MAC-MainConfig-RBC message
1096	36.521-3	1426	1	Rel-12	F	RP-160837	R5-162957	approved	Update to Dual Connectivity RRM test case 8.23.4
1097	36.521-3	1427	1	Rel-12	F	RP-160837	R5-162958	approved	Update to Dual Connectivity RRM test case 8.23.5
1098	36.521-3	1428	1	Rel-12	F	RP-160837	R5-162959	approved	Update to Dual Connectivity RRM test case 8.23.6
1099	36.521-3	1429	1	Rel-12	F	RP-160834	R5-162894	approved	Test Tolerance updates for MTC test cases in clause 6
1100	36.521-3	1430		Rel-12	F	RP-160834	R5-162286	approved	Update of RRM RLM test cases for Cat 0
1101	36.521-3	1431		Rel-12	F	RP-160834	R5-162288	approved	Update of Annex F for Cat 0 RLM test cases
1102	36.521-3	1432		Rel-12	F	RP-160857	R5-162310	approved	RRM: Correction to TCs 7.1.7A and 7.1.7B
1103	36.521-3	1433		Rel-12	F	RP-160859	R5-162311	approved	RRM: Corrections to ri-ConfigIndex in 3CC test cases
1104	36.521-3	1434		Rel-12	F	RP-160859	R5-162312	approved	RRM: Missing release applicability of inter-mode 3CC test cases
1105	36.521-3	1435		Rel-12	F	RP-160859	R5-162313	approved	RRM: Clarification of message content in TC 8.16.36
1106	36.521-3	1436	1	Rel-12	F	RP-160833	R5-162881	approved	Addition of ProSe cell selection test cases
1107	36.521-3	1437		Rel-12	F	RP-160833	R5-162321	approved	Addition of test cases for SLSS initiation and cease
1108	36.521-3	1438	1	Rel-12	F	RP-160836	R5-162833	approved	Introduction of FDD intra frequency absolute and relative CSI-RSRP accuracies in CSI-RS based discovery signal
1109	36.521-3	1439		Rel-12	F	RP-160836	R5-162330	approved	Introduction of TDD intra frequency absolute and relative CSI-RSRP accuracies in CSI-RS based discovery signal
1110	36.521-3	1441	1	Rel-12	F	RP-160836	R5-162834	approved	Introduction of FDD-FDD inter frequency absolute and relative CSI-RSRP accuracies in CSI-RS based discovery signal
1111	36.521-3	1442		Rel-12	F	RP-160859	R5-162334	approved	Correction of 3DL CA RRM test case 8.16.36
1112	36.521-3	1443		Rel-12	F	RP-160836	R5-162336	approved	Introduction of TDD-TDD inter frequency absolute and relative CSI-RSRP accuracies in CSI-RS based discovery signal
1113	36.521-3	1444	1	Rel-12	F	RP-160836	R5-162835	approved	Introduction of FDD absolute and relative CSI-RSRP accuracies for E-UTRAN Carrier Aggregation in CSI-RS based discovery signal
1114	36.521-3	1445	1	Rel-12	F	RP-160836	R5-162836	approved	Introduction of TDD absolute and relative CSI-RSRP accuracies for E-UTRAN Carrier Aggregation in CSI-RS based discovery signal
1115	36.521-3	1446	1	Rel-12	F	RP-160837	R5-162960	approved	Added new clause for Syncronous and Asynchronous DC test principles

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1116	36.521-3	1447		Rel-12	F	RP-160859	R5-162397	approved	Uncertainties and Test tolerances for TS 36.521-3 Test cases 9.1.6.1_1 and 9.1.12.1_1
1117	36.521-3	1448		Rel-12	F	RP-160859	R5-162399	approved	Uncertainties and Test tolerances for TS 36.521-3 Test cases 9.1.6.2_1 and 9.1.12.2_1
1118	36.521-3	1450		Rel-12	F	RP-160843	R5-162430	approved	Update of RRM test cases 9.1.1.1, 9.1.2.1, 9.1.16.1 to include band 65, 66
1119	36.521-3	1451		Rel-12	F	RP-160843	R5-162433	approved	Update of RRM test cases 9.1.1.1_1, 9.1.2.1_1, 9.1.16.1_1 to include band 65, 66
1120	36.521-3	1452		Rel-12	F	RP-160843	R5-162436	approved	Update of RRM test cases 9.1.1.2, 9.1.2.2, 9.1.16.2 to include band 65, 66
1121	36.521-3	1453		Rel-12	F	RP-160843	R5-162439	approved	Update of RRM test cases 9.1.3.1, 9.1.4.1, 9.1.17.1 to include band 65, 66
1122	36.521-3	1454	1	Rel-12	F	RP-160846	R5-162831	approved	Correction to applicability for EUTRA TDD to UTRA TDD Son test case
1123	36.521-3	1455	1	Rel-12	F	RP-160837	R5-163111	approved	Update to Dual Connectivity RRM test case 8.23.1
1124	36.521-3	1456	1	Rel-12	F	RP-160837	R5-162961	approved	Update to Dual Connectivity RRM test case 8.23.2
1125	36.521-3	1457	1	Rel-12	F	RP-160836	R5-162895	approved	Add Test requiements for TS 36.521-3 Test case 8.22.1 and 8.22.2
1126	36.521-3	1458	1	Rel-12	F	RP-160836	R5-162897	approved	Add Test requiements for TS 36.521-3 Test case 8.22.3 and 8.22.4
1127	36.521-3	1459	1	Rel-12	F	RP-160836	R5-163128	approved	Add Test requiements for TS 36.521-3 Test case 9.1.25 and 9.1.26
1128	36.521-3	1461		Rel-12	F	RP-160856	R5-162600	approved	Correction to test applicability in 3DL CA activation and deactivation TCs
1129	36.521-3	1462	2	Rel-12	F	RP-160844	R5-163197	approved	Correction to duration of T3 in 3 DL CA Event Triggered Reporting on Deactivated Scell
1130	36.521-3	1463	1	Rel-12	F	RP-160856	R5-162830	approved	Correction to 3DL CA activation and deactivation TCs
1131	36.521-3	1464	1	Rel-12	F	RP-160856	R5-163134	approved	Clean up on RRM test cases in chapter 7, 8, 9
1132	36.521-3	1465	1	Rel-12	F	RP-160856	R5-163135	approved	Correction to event triggered reporting under deactivated SCell(10MHz+5MHz and 20MHz+10MHz)
1133	36.521-3	1467	1	Rel-12	F	RP-160837	R5-162962	approved	Update to Dual Connectivity RRM test case 8.23.3
1134	36.521-3	1468	1	Rel-12	F	RP-160837	R5-162963	approved	Update of DC RLM test cases
1135	36.521-3	1469	1	Rel-12	F	RP-160837	R5-162964	approved	Adding new RLM test case 7.3.41
1136	36.521-3	1470	1	Rel-12	F	RP-160837	R5-162965	approved	Adding new RLM test case 7.3.42
1137	36.521-3	1471	1	Rel-12	F	RP-160837	R5-162966	approved	Adding new RLM test case 7.3.43
1138	36.523-1	3375		Rel-13	F	RP-160858	R5-162060	approved	Corrections to various WLAN Offload Idle test cases

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1139	36.523-1	3376		Rel-13	F	RP-160858	R5-162061	approved	Corrections to various WLAN Offload Connected test cases
1140	36.523-1	3377		Rel-13	F	RP-160857	R5-162062	approved	Correction to test case 8.6.5.4
1141	36.523-1	3378		Rel-13	F	RP-160831	R5-162064	approved	Add test case for Tunnel establishment
1142	36.523-1	3383		Rel-13	F	RP-160858	R5-162135	approved	Correction to UEPCOP EMM test cases
1143	36.523-1	3384		Rel-13	F	RP-160831	R5-162136	approved	Update test case 20.1
1144	36.523-1	3385	1	Rel-13	F	RP-160857	R5-162773	approved	Correction to Test Case 9.2.1.2.4
1145	36.523-1	3386		Rel-13	F	RP-160837	R5-162146	approved	Correction to Dual Connectivity PDCP Test Cases 7.3.7.1
1146	36.523-1	3387	1	Rel-13	F	RP-160837	R5-163074	approved	Update dual connectivity test case 8.2.2.9.1
1147	36.523-1	3388	1	Rel-13	F	RP-160837	R5-163075	approved	Update dual connectivity test case 8.2.2.9.2
1148	36.523-1	3392		Rel-13	F	RP-160857	R5-162185	approved	Correction to EUTRA eMDT TC 8.6.8.5
1149	36.523-1	3395	1	Rel-13	F	RP-160861	R5-163006	approved	Addition of New Test Case – 7.1.3.4a Correct HARQ process handling / DCCH and DTCH/ Enhanced Coverage
1150	36.523-1	3398		Rel-13	F	RP-160846	R5-162287	approved	Correction to EMM test case 9.2.2.1.2 for IMS-enabled device
1151	36.523-1	3399	1	Rel-13	F	RP-160846	R5-162774	approved	Correction to EMM test case 9.2.1.1.18 for Multi-PDN enabled device
1152	36.523-1	3400	1	Rel-13	F	RP-160846	R5-162775	approved	Correction to EMM test case 9.2.1.1.2 for Multi-PDN enabled device
1153	36.523-1	3401	1	Rel-13	F	RP-160846	R5-162776	approved	Correction to EMM test case 9.2.1.1.26 for Multi-PDN enabled device
1154	36.523-1	3402		Rel-13	F	RP-160839	R5-162293	approved	New eIMTA test case for DL-SCH data transfer
1155	36.523-1	3403	1	Rel-13	F	RP-160839	R5-163002	approved	New eIMTA test case for UL-SCH data transfer
1156	36.523-1	3404	1	Rel-13	F	RP-160857	R5-163054	approved	Correction to LTE IRAT idle mode testcases (IMS over UTRA behaviour)
1157	36.523-1	3405		Rel-13	F	RP-160837	R5-162365	approved	Introduction of Specific Message Content for Dual Connectivity test case 8.2.4.25.3, RRC connection reconfiguration / Intra-MeNB Handover / Split DRB to Split DRB
1158	36.523-1	3406		Rel-13	F	RP-160837	R5-162366	approved	Correction to Dual Connectivity test case 8.2.2.9.5, RRC connection reconfiguration / SCG change without handover / Split DRB modification within the same PSCell
1159	36.523-1	3407	1	Rel-13	F	RP-160837	R5-163026	approved	Correction to Dual Connectivity test case 8.5.1.8.1, Radio link failure on PSCell / UE supports SCG DRB
1160	36.523-1	3408	1	Rel-13	F	RP-160837	R5-163027	approved	Introduction of Dual Connectivity test case 8.5.1.8.2, Radio link failure on PSCell / UE supports Split DRB
1161	36.523-1	3409	1	Rel-13	F	RP-160846	R5-162777	approved	Correction to EMM test cases 9.2.1.2.2 and 9.2.1.2.4 for Multi-PDN enabled UE

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1162	36.523-1	3410	1	Rel-13	F	RP-160857	R5-162778	approved	Correction to EMM test case 9.2.1.2.4a for Multi-PDN enabled device
1163	36.523-1	3411	1	Rel-13	F	RP-160846	R5-162779	approved	Correction to EMM test case 9.3.1.17
1164	36.523-1	3412	1	Rel-13	F	RP-160846	R5-162780	approved	Correction to EMM test case 9.2.3.2.3 for IMS-enabled UE
1165	36.523-1	3413	1	Rel-13	F	RP-160846	R5-162781	approved	Correction to EMM test case 9.2.1.1.19
1166	36.523-1	3414	1	Rel-13	F	RP-160846	R5-162782	approved	Correction to EMM test case 9.2.3.1.25
1167	36.523-1	3417		Rel-13	F	RP-160856	R5-162381	approved	Correction to MDT test case 8.6.7.2
1168	36.523-1	3418	1	Rel-13	F	RP-160858	R5-162789	approved	Correction to Rel-12 SSAC test cases
1169	36.523-1	3423	1	Rel-13	F	RP-160837	R5-163028	approved	Add dual connectivity test case 8.2.4.25.4
1170	36.523-1	3424	1	Rel-13	F	RP-160837	R5-163029	approved	Add dual connectivity test case 8.2.4.25.5
1171	36.523-1	3425	1	Rel-13	F	RP-160837	R5-163030	approved	Add dual connectivity test case 8.2.4.25.6
1172	36.523-1	3426	1	Rel-13	F	RP-160837	R5-163031	approved	Add dual connectivity test case 8.2.4.25.7
1173	36.523-1	3427	1	Rel-13	F	RP-160837	R5-163076	approved	Addition of Dual Connectivity MAC test cases for Dual Connectivity Buffer Status Report
1174	36.523-1	3428		Rel-13	F	RP-160837	R5-162454	approved	Addition of TC 8.2.2.9.3 RRC connection reconfiguration / SCG change without handover / SCG DRB to MCG DRB and SCG DRB modification
1175	36.523-1	3429	1	Rel-13	F	RP-160837	R5-163032	approved	Addition of TC 8.2.2.9.4 RRC connection reconfiguration / SCG change without handover / Split DRB to MCG/SCG DRBs
1176	36.523-1	3430	1	Rel-13	F	RP-160836	R5-162921	approved	Correction to TC 8.3.1.29
1177	36.523-1	3431	1	Rel-13	F	RP-160836	R5-162922	approved	Correction to TC8.3.1.30
1178	36.523-1	3432		Rel-13	F	RP-160856	R5-162458	approved	Correction to MeasObjectGERAN table in test case 8.6.7.2
1179	36.523-1	3433	1	Rel-13	F	RP-160836	R5-162923	approved	Correction to TC8.3.1.31
1180	36.523-1	3436		Rel-13	F	RP-160858	R5-162462	approved	Correction to test case 7.1.2.11.4
1181	36.523-1	3437	1	Rel-13	F	RP-160858	R5-163057	approved	Updates to TCs 7.1.3.11.4 and 7.1.3.11.5
1182	36.523-1	3438		Rel-13	F	RP-160864	R5-162516	approved	Addition of a new TC for SC-MCCH information acquisition UE power on
1183	36.523-1	3439		Rel-13	F	RP-160864	R5-162517	approved	Addition of a new TC for SC-MCCH information acquisition cell reselection to a cell broadcasting SIB20
1184	36.523-1	3440		Rel-13	F	RP-160864	R5-162518	approved	Addition of a new TC for SC-MCCH information acquisition UE handover to a cell broadcasting SIB20
1185	36.523-1	3441	1	Rel-13	F	RP-160864	R5-163039	approved	Addition of a new TC for SC-MCCH information acquisition UE is receiving an SC-PTM service
1186	36.523-1	3442		Rel-13	F	RP-160864	R5-162520	approved	Addition of a new TC for SC-MCCH information acquisition UE is not receiving SC-PTM data

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1187	36.523-1	3443		Rel-13	F	RP-160864	R5-162521	approved	Addition of a new TC for SC-PTM DRX operation / Parameters configured by RRC
1188	36.523-1	3444		Rel-13	F	RP-160856	R5-162524	approved	Correction to test case 8.6.7.1/8.6.7.2
1189	36.523-1	3445		Rel-13	F	RP-160837	R5-162536	approved	Correction to Dual connectivity PDCP test cases
1190	36.523-1	3447	1	Rel-13	F	RP-160861	R5-163007	approved	Addition of new eMTC test case for Correct HARQ process handling / Enhanced Coverage
1191	36.523-1	3448	1	Rel-13	F	RP-160861	R5-163008	approved	Addition of new eMTC test case Correct HARQ process handling / Enhanced Coverage / CE Mode B
1192	36.523-1	3449	1	Rel-13	F	RP-160846	R5-162783	approved	Correction to EMM test cases to refer the generic registration procedure steps
1193	36.523-1	3450	1	Rel-13	F	RP-160833	R5-162910	approved	Update of test 19.1.1 for ProSe Direct Communication Transmission RRC_IDLE using resources on serving cells, with pre-configured authorisation
1194	36.523-1	3451	1	Rel-13	F	RP-160833	R5-162911	approved	Update of test case 19.1.2 for ProSe Direct Communication Reception RRC_IDLE using the resources of the serving cell, with Pre-configured authorisation
1195	36.523-1	3452	1	Rel-13	F	RP-160833	R5-162912	approved	Update of TC 19.1.3 ProSe Direct Communication Transmission RRC_CONNECTED Pre-configured authorisation
1196	36.523-1	3453	1	Rel-13	F	RP-160833	R5-162913	approved	Update of TC 19.1.4 ProSe Direct Communication Reception RRC_CONNECTED Pre-configured authorisation
1197	36.523-1	3454	1	Rel-13	F	RP-160833	R5-162914	approved	Update of TC 19.1.5 ProSe Direct Communication Pre-configured authorisation UE is communicating not on the serving cell
1198	36.523-1	3455	1	Rel-13	F	RP-160833	R5-162915	approved	Update of TC 19.1.6 ProSe Direct Communication Pre-configured authorisation UE out of coverage on the frequency used for sidelink communication
1199	36.523-1	3456	1	Rel-13	F	RP-160833	R5-162916	approved	Update of TC 19.1.7 ProSe Direct Communication Pre-configured authorisation Selection and re/selection of SyncRef UE
1200	36.523-1	3457	1	Rel-13	F	RP-160833	R5-162917	approved	Update to TC 19.2.1 ProSe Direct Discovery Monitoring Pre-configured authorisation
1201	36.523-1	3458	1	Rel-13	F	RP-160833	R5-162918	approved	Update of TC 19.2.2 ProSe Direct Discovery Announcing Pre-configured authorisation RRC_IDLE
1202	36.523-1	3459	1	Rel-13	F	RP-160833	R5-162919	approved	Update of TC 19.2.3 ProSe Direct Discovery Announcing RRC_CONNECTED Pre-configured authorisation
1203	36.523-1	3461	1	Rel-13	F	RP-160839	R5-163082	approved	Addition of test case 8.2.2.10: eIMTA / RRC connection reconfiguration / Radio resource reconfiguration / Success

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1204	36.523-1	3462	1	Rel-13	F	RP-160846	R5-162784	approved	Correction to EMM test case 9.2.2.2.1 for Multi-PDN enabled UE
1205	36.523-1	3463	1	Rel-13	F	RP-160846	R5-162785	approved	Correction to EMM test case 9.2.3.1.5 for Multi-PDN enabled UE
1206	36.523-1	3464	1	Rel-13	F	RP-160858	R5-162786	approved	Correction to EMM test case 9.2.1.1.7c to refer the generic registration procedure steps
1207	36.523-1	3465	1	Rel-13	F	RP-160839	R5-163083	approved	Addition of test case 8.2.2.26: eIMTA / RRC connection reconfiguration / Handover / Success
1208	36.523-1	3467		Rel-13	F	RP-160846	R5-162674	approved	Correction to EMM test case 9.1.2.5
1209	36.523-1	3468		Rel-13	F	RP-160846	R5-162679	approved	Correction to EMM test case 9.1.2.7
1210	36.523-1	3470	1	Rel-13	F	RP-160846	R5-163051	approved	Correction to GCF WI-082 EUTRA EMM Testcase 9.2.1.2.3 with IMS enabled
1211	36.523-1	3471		Rel-13	F	RP-160846	R5-162696	approved	Correction to GCF WI-82 9.2.3.1.15 and 9.2.3.1.15a with IMS enabled
1212	36.523-1	3472	1	Rel-13	F	RP-160846	R5-163059	approved	Correction to EMM test case 9.2.1.1.28
1213	36.523-1	3473	1	Rel-13	F	RP-160857	R5-162792	approved	Correction to GCF WI-178 eMBMS testcases 17.4.5 and 17.4.6
1214	36.523-1	3474		Rel-13	F	RP-160857	R5-162699	approved	Correction to Testcase 8.6.9.1Connection Establishment Failure logging / Logging and reporting / Reporting at UTRAN Inter-RAT handover
1215	36.523-1	3475	1	Rel-13	F	RP-160857	R5-162772	approved	Correction to Testcase 8.6.5.1a Radio Link Failure logging / Reporting at UTRAN Inter-RAT handover / PLMN list
1216	36.523-1	3476	1	Rel-13	F	RP-160847	R5-163060	approved	Correction to IMS Emergency Call test case 11.2.7
1217	36.523-1	3478	1	Rel-13	F	RP-160847	R5-163062	approved	Correction to CMAS test case 18.1.3
1218	36.523-1	3479	1	Rel-13	F	RP-160864	R5-163040	approved	Addition of a new TC for Cell reselection to intra-frequency cell to continue SC-PTM service reception
1219	36.523-1	3480		Rel-13	F	RP-160864	R5-162714	approved	Addition of a new TC for Cell reselection to intra-frequency cell to continue SC-PTM service reception / Single Frequency operation (inter-band neighbouring cell)
1220	36.523-1	3481	1	Rel-13	F	RP-160864	R5-163041	approved	Addition of a new TC for Cell reselection to inter-frequency cell to start SC-PTM service reception
1221	36.523-1	3482		Rel-13	F	RP-160864	R5-162716	approved	Addition of a new TC for Cell reselection to inter-band cell to start SC-PTM service reception
1222	36.523-1	3483		Rel-13	F	RP-160836	R5-162718	approved	Corrections to the SCE-L1 TC of 7.1.7.1.11
1223	36.523-1	3484		Rel-13	F	RP-160836	R5-162719	approved	Corrections to the SCE-L1 TC of 7.1.7.1.12
1224	36.523-1	3485	1	Rel-13	F	RP-160846	R5-162770	approved	Corrections to the Idle mode TC of 6.1.1.8
1225	36.523-1	3486	1	Rel-13	F	RP-160835	R5-163073	approved	Correction to LTE-A CA 2UL test cases 7.1.2.11.x
1226	36.523-1	3487	1	Rel-13	F	RP-160846	R5-162771	approved	Corrections to the Idle mode TC of 6.1.1.9

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1227	36.523-1	3488	1	Rel-13	F	RP-160833	R5-162920	approved	Correction to D2D ProSe PDCP test cases 7.3.8.1 and 7.3.8.2
1228	36.523-1	3490		Rel-13	F	RP-160857	R5-162729	approved	Correction to eMDT test cases 8.6.8.x and 8.6.9.x
1229	36.523-1	3491	1	Rel-13	F	RP-160846	R5-162788	approved	Correction of EMM test cases 9.2.1.2.1, 9.2.3.2.2 for Multi-PDN UE
1230	36.523-1	3492	1	Rel-13	F	RP-160846	R5-162787	approved	Correction of EMM test cases 9.2.1.1.1, 9.2.1.1.1a for Multi-PDN UE
1231	36.523-1	3493		Rel-13	F	RP-160856	R5-162732	approved	Correction to MTC test case 10.5.4
1232	36.523-1	3494	1	Rel-13	F	RP-160837	R5-163033	approved	Correction to Dual Connectivity PDCP Test Cases 7.3.7.2 and 7.3.7.3
1233	36.523-1	3495		Rel-13	F	RP-160847	R5-162741	approved	Correction to LTE<>IRAT Emergency testcases 13.1.19 and 13.1.20
1234	36.523-1	3496		Rel-13	F	RP-160856	R5-162742	approved	Correction to RRC CA test cases 8.2.4.16.1
1235	36.523-1	3497		Rel-13	F	RP-160846	R5-162791	approved	Correction to SRVCC Testcases 13.4.3.2, 13.4.3.14, 13.4.3.16 and 13.4.3.18
1236	36.523-1	3498		Rel-13	F	RP-160862	R5-162799	approved	Addition of New Test Case - Attach and Normal tracking area update Procedure / Success / With and without Idle eDRX parameters
1237	36.523-1	3499		Rel-13	F	RP-160862	R5-162900	approved	Addition of New Test Case - Attach & Normal tracking area update Procedure / Success / With and without Idle eDRX and PSM parameters
1238	36.523-1	3500		Rel-13	F	RP-160858	R5-162905	approved	Correction to FDD-TDD MAC CA test cases 7.1.3.11.x
1239	36.523-1	3501	1	Rel-13	F	RP-160841	R5-163078	withdrawn	Introduction of CA Physical Layer Baseline Implementation for CA_1A-8A-11A
1240	36.523-1	3502		Rel-13	F	RP-160858	R5-163056	approved	Addition of new test case 6.1.2.23 for MFBI enhancement
1241	36.523-1	3503		Rel-13	F	RP-160846	R5-163058	approved	Correction to EMM test case 9.2.1.1.30
1242	36.523-2	0841		Rel-13	F	RP-160831	R5-162063	approved	Clarify the IR.51 applicability
1243	36.523-2	0842	1	Rel-13	F	RP-160831	R5-162949	approved	Add applicability for test case for Tunnel establishment
1244	36.523-2	0843	1	Rel-13	F	RP-160856	R5-162924	approved	Editorial correction of EUTRAN PICS Mnemonics
1245	36.523-2	0844	1	Rel-13	F	RP-160843	R5-163090	approved	Add B66 information in TS 36.523-2
1246	36.523-2	0846		Rel-13	F	RP-160841	R5-162108	approved	Addition of CA Physical Layer Baseline Implementation Capabilities for new CA combinations to TS36.523-2
1247	36.523-2	0849	1	Rel-13	F	RP-160839	R5-163005	approved	Applicability of new eIMTA test cases
1248	36.523-2	0850		Rel-13	F	RP-160837	R5-162370	approved	Applicability updates for Dual Connectivity tests 8.2.2.9.5 and 8.5.1.8.2
1249	36.523-2	0852		Rel-13	F	RP-160841	R5-162408	approved	Addition of CA Physical Layer Baseline Implementation Capabilities for CA_1A-3A-7A and CA_3A-7A-8A to 36.523-2
1250	36.523-2	0853	1	Rel-13	F	RP-160837	R5-163034	approved	Add applicability for new dual connectivity test cases

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1251	36.523-2	0854		Rel-13	F	RP-160841	R5-162447	approved	Update of Rel-13 CA Physical Layer Baseline Implementation
1252	36.523-2	0855		Rel-13	F	RP-160837	R5-162452	approved	Applicability of new test cases 7.1.4.26.1 / 8.2.2.9.3 / 8.2.2.9.4
1253	36.523-2	0856	1	Rel-13	F	RP-160858	R5-163063	approved	Applicability for FDD-TDD CA updates
1254	36.523-2	0857	1	Rel-13	F	RP-160864	R5-163150	approved	Addition of applicability for new SC-PTM test cases
1255	36.523-2	0858	1	Rel-13	F	RP-160858	R5-162793	approved	New CA band combination CA_8A-40A – Updates of Table A.4.3.3.3-3
1256	36.523-2	0859		Rel-13	F	RP-160833	R5-162622	approved	Update of 36523-2 D2D
1257	36.523-2	0861		Rel-13	F	RP-160863	R5-162652	approved	Band 65 introduction to 36.523-2
1258	36.523-2	0864		Rel-13	F	RP-160856	R5-162705	approved	Correction to test condition C179
1259	36.523-2	0868	1	Rel-13	F	RP-160861	R5-163000	approved	Introduction of ICS and applicability for new e-MTC protocol test cases
1260	36.523-2	0869		Rel-13	F	RP-160862	R5-162901	approved	Added Applicability of new eDRX test cases
1261	36.523-2	0870		Rel-13	F	RP-160847	R5-163061	approved	Update to Table 1 Note12
1262	36.523-2	0871		Rel-13	F	RP-160858	R5-163065	approved	Addition of test applicability for MFBI enhancement test case 6.1.2.23
1263	36.523-2	0872		Rel-13	F	RP-160856	R5-163066	approved	Correction of TC applicability for EMM test case 9.2.1.1.30
1264	36.523-3	3060	1	Rel-12	F	RP-160853	R5s160459	approved	Correction to EUTRA Idle Mode PLMN Selection test case 6.1.1.9
1265	36.523-3	3111	1	Rel-12	F	RP-160853	R5s160464	approved	Correction to WI-82 EMM Information procedure Testcase 9.1.5.1
1266	36.523-3	3112	1	Rel-12	B	RP-160853	R5s160465	approved	Addition of LTE-A UL CA test case 7.1.4.20.1
1267	36.523-3	3114	1	Rel-12	B	RP-160853	R5s160466	approved	LTE_TDD: Addition of LTE-A UL CA test case 7.1.4.20.1
1268	36.523-3	3115	1	Rel-12	B	RP-160853	R5s160467	approved	Addition of LTE-A CA 2UL test case 7.1.4.20.2
1269	36.523-3	3116	1	Rel-12	B	RP-160853	R5s160468	approved	LTE_TDD: Addition of LTE-A CA 2UL test case 7.1.4.20.2
1270	36.523-3	3118	1	Rel-12	F	RP-160853	R5s160469	approved	Correction to test condition C179
1271	36.523-3	3119	1	Rel-12	F	RP-160853	R5s160470	approved	Corrections for Inter-RAT PLMN selection test case 6.2.1.2 and 6.2.1.3
1272	36.523-3	3170	1	Rel-12	F	RP-160853	R5s160471	approved	Correction to eMDT Testcase 8.6.9.1
1273	36.523-3	3171	1	Rel-12	F	RP-160853	R5s160473	approved	Correction to testcase 8.2.4.14
1274	36.523-3	3172	1	Rel-12	F	RP-160853	R5s160474	approved	Correction to template cr_RRCConnectionsetupComplete_r11
1275	36.523-3	3173	1	Rel-12	F	RP-160853	R5s160476	approved	Correction to EMM test case 9.2.1.1.30
1276	36.523-3	3175	1	Rel-12	F	RP-160853	R5s160477	approved	Correction to RRC CA test cases 8.2.4.16.x
1277	36.523-3	3176	1	Rel-12	F	RP-160853	R5s160481	approved	Correction to eMDT Testcase 8.6.5.1a
1278	36.523-3	3177	1	Rel-12	F	RP-160853	R5s160482	approved	Improved handling of system interface
1279	36.523-3	3178	1	Rel-12	F	RP-160853	R5s160483	approved	Corrections for EMM test cases 9.2.2.1.6 and 9.2.2.1.7 on IMS-enabled UEs
1280	36.523-3	3179	1	Rel-12	F	RP-160853	R5s160484	approved	Corrections to UTRAN cell initialization functions

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1	**Spec**	**CR**	**Rev**	**REL**	**Cat**	**Plenary doc**	**WG doc**	**TSG status**	**Subject**
1281	36.523-3	3180	1	Rel-12	F	RP-160853	R5s160485	approved	Corrections to Delay for IMS signalling
1282	36.523-3	3181	1	Rel-12	F	RP-160853	R5s160486	approved	Correction to EMM testcase 9.1.3.1
1283	36.523-3	3182	1	Rel-12	F	RP-160853	R5s160487	approved	Correction to EMM testcase 9.1.3.2
1284	36.523-3	3183	1	Rel-12	F	RP-160853	R5s160488	approved	Correction to function f_EUTRA_ConnectedMode_TAU
1285	36.523-3	3184	1	Rel-12	F	RP-160853	R5s160489	approved	Corrections to testcases 9.2.1.1.1a and 9.2.1.1.1b
1286	36.523-3	3185	1	Rel-12	F	RP-160853	R5s160491	approved	Correction to testcase 9.2.3.2.12
1287	36.523-3	3186	1	Rel-12	F	RP-160853	R5s160493	approved	Correction to testcase 9.2.1.2.4
1288	36.523-3	3187	1	Rel-12	F	RP-160853	R5s160494	approved	Corrections to testcases 9.2.1.1.7 and 9.2.1.1.7a
1289	36.523-3	3188	1	Rel-12	F	RP-160853	R5s160495	approved	Correction to GCF WI-177 TC 8.6.4.3
1290	36.523-3	3189	1	Rel-12	F	RP-160853	R5s160496	approved	Correction to GCF WI-081 TC 8.5.1.2
1291	36.523-3	3190	1	Rel-12	F	RP-160853	R5s160497	approved	Correction to testcase 7.1.4.7a
1292	36.523-3	3191	1	Rel-12	F	RP-160853	R5s160498	approved	Correction to testcases 8.2.4.16.x
1293	36.523-3	3192	1	Rel-12	F	RP-160853	R5s160499	approved	Correction to testcase 9.2.1.1.20
1294	36.523-3	3193	1	Rel-12	F	RP-160853	R5s160500	approved	Correction to testcase 9.2.3.1.16
1295	36.523-3	3194	1	Rel-12	F	RP-160853	R5s160501	approved	Correction to testcase 9.2.3.1.18
1296	36.523-3	3195	1	Rel-12	F	RP-160853	R5s160517	approved	Correction to testcase 13.5.3a
1297	36.523-3	3196	1	Rel-12	F	RP-160853	R5s160504	approved	Correction to GCF WI-178 eMBMS-SC TC 17.4.5
1298	36.523-3	3197	1	Rel-12	F	RP-160853	R5s160505	approved	Correction to GCF WI-178 eMBMS-SC TC 17.4.6
1299	36.523-3	3198	1	Rel-12	F	RP-160853	R5s160506	approved	Correction to SSAC test case 13.5.3
1300	36.523-3	3199	1	Rel-12	F	RP-160853	R5s160508	approved	Correction to GCF WI-227 eMDT test case 8.6.7.4
1301	36.523-3	3200	1	Rel-12	F	RP-160853	R5s160509	approved	Correction to UE Location information procedure
1302	36.523-3	3201		Rel-12	F	RP-160853	R5s160296	approved	Correction to IMS Emergency Call test case 11.2.6
1303	36.523-3	3202		Rel-12	B	RP-160853	R5s160298	approved	Addition of Rel-11 EUTRA MAC test case 7.1.2.10.1
1304	36.523-3	3204		Rel-12	B	RP-160853	R5s160301	approved	Addition of Rel-11 EUTRA MAC test case 7.1.2.10.3
1305	36.523-3	3205		Rel-12	B	RP-160853	R5s160303	approved	Addition of LTE-CA Inter band test case 8.2.2.3.2 in Rel-12 FDD+TDD band combination
1306	36.523-3	3206		Rel-12	F	RP-160853	R5s160305	approved	Correction to Rel-10 EUTRA MAC test cases 7.1.4.18 and 7.1.4.21
1307	36.523-3	3207		Rel-12	F	RP-160853	R5s160306	approved	Correction to EMM test case 9.1.3.1 for IMS-enabled UE
1308	36.523-3	3209		Rel-12	F	RP-160853	R5s160308	approved	Correction to EMM test case 9.1.2.5 (Multi-PDN / IMS enabled UE)
1309	36.523-3	3210		Rel-12	F	RP-160853	R5s160309	approved	Correction to EMM test case 9.1.2.7 (Multi-PDN / IMS enabled UE)
1310	36.523-3	3213		Rel-12	B	RP-160853	R5s160315	approved	Addition of LTE-A CA 2UL test case 7.1.2.11.2
1311	36.523-3	3214		Rel-12	B	RP-160853	R5s160317	approved	LTE_TDD: Addition of LTE-A CA 2UL test case 7.1.2.11.2
1312	36.523-3	3215		Rel-12	F	RP-160853	R5s160319	approved	Correction to function f_Get_508_EPSBearerTI

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1	**Spec**	**CR**	**Rev**	**REL**	**Cat**	**Plenary doc**	**WG doc**	**TSG status**	**Subject**
1313	36.523-3	3216		Rel-12	F	RP-160853	R5s160320	approved	Correction to EUTRA RRC test case 8.5.4.1
1314	36.523-3	3217		Rel-12	F	RP-160853	R5s160321	approved	Correction to EMM test case 9.2.3.1.25
1315	36.523-3	3218		Rel-12	B	RP-160853	R5s160322	approved	Addition of Rel-11 LTE-A CA test case 8.2.2.7.3
1316	36.523-3	3219		Rel-12	F	RP-160853	R5s160326	approved	Correction to testcase 7.3.5.5
1317	36.523-3	3220		Rel-12	F	RP-160853	R5s160327	approved	Correction to IMS Emergency Call test case 11.2.6
1318	36.523-3	3222		Rel-12	F	RP-160853	R5s160329	approved	Correction to Cell-FACH RB setup procedure
1319	36.523-3	3223		Rel-12	F	RP-160853	R5s160330	approved	Correction to (x)SRVCC test cases 13.4.3.2, 13.4.3.15 and 13.4.3.18
1320	36.523-3	3224		Rel-12	F	RP-160853	R5s160331	approved	Corrections to EMM test case 9.2.1.1.29
1321	36.523-3	3226		Rel-12	F	RP-160853	R5s160333	approved	Correction to test case 9.2.3.2.14 with IMS enabled
1322	36.523-3	3227		Rel-12	F	RP-160853	R5s160334	approved	Corrections to EMM test cases 9.2.1.1.1a and 9.2.1.1.1b for Multi-PDN UEs
1323	36.523-3	3228		Rel-12	F	RP-160853	R5s160335	approved	Correction to EMM test case 9.2.3.1.16 for IMS-enabled UE
1324	36.523-3	3229		Rel-12	F	RP-160853	R5s160336	approved	Corrections to Rel-12 SSAC test cases
1325	36.523-3	3230		Rel-12	F	RP-160853	R5s160337	approved	Correction to EUTRA LTE-A<>IRAT TestCase 8.6.5.4
1326	36.523-3	3231		Rel-12	F	RP-160853	R5s160340	approved	Correction to EMM test case 9.2.2.2.14 (IMS enabled UE / Multi-PDN)
1327	36.523-3	3232		Rel-12	F	RP-160853	R5s160341	approved	Correction to usage of function f_EUTRA_RRC_ActivateSecurity
1328	36.523-3	3233		Rel-12	F	RP-160853	R5s160342	approved	Correction to function f_EUTRA_MobileInfo_GetUECapability_UECategoryExtn
1329	36.523-3	3234		Rel-12	F	RP-160853	R5s160343	approved	Corrections to GCF WI-086 CSG test case 6.3.4
1330	36.523-3	3235		Rel-12	F	RP-160853	R5s160344	approved	Corrections to CSG test case 6.4.6
1331	36.523-3	3237		Rel-12	F	RP-160853	R5s160346	approved	Correction to function f_EUTRA_508RRC_IntraLTE_HO_InterCell_Common_Steps1_12
1332	36.523-3	3238		Rel-12	F	RP-160853	R5s160347	approved	Correction to Emergency Call test case 11.2.3
1333	36.523-3	3239		Rel-12	F	RP-160853	R5s160348	approved	Correction to GCF WI-082 test case 9.2.3.1.18 with IMS enabled
1334	36.523-3	3241		Rel-12	F	RP-160853	R5s160350	approved	Correction of GCF WI-082 EMM test case 9.1.5.1
1335	36.523-3	3242		Rel-12	F	RP-160853	R5s160351	approved	Correction to LTE-A eMBMS-SC-CA test case 17.4.9.1 and 17.4.9.2.
1336	36.523-3	3244		Rel-12	B	RP-160853	R5s160354	approved	Addition of LTE-A UL CA test case 7.1.4.20.3
1337	36.523-3	3245		Rel-12	F	RP-160853	R5s160359	approved	Corrections to EMM test case 9.2.1.2.1 for Multi-PDN UE
1338	36.523-3	3246		Rel-12	F	RP-160853	R5s160360	approved	Corrections to EMM test case 9.2.1.1.19 for Multi-PDN UE
1339	36.523-3	3247		Rel-12	F	RP-160853	R5s160361	approved	Corrections to EMM test case 9.2.1.1.24 for Multi-PDN UE
1340	36.523-3	3248	1	Rel-12	F	RP-160846	R5-163085	approved	Routine maintenance for TS 36.523-3

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1341	36.523-3	3249		Rel-12	F	RP-160833	R5-162026	approved	D2D ProSe: Test Model updates
1342	36.523-3	3250		Rel-12	F	RP-160853	R5s160362	approved	Corrections to EMM test case 9.2.1.1.1 for Multi-PDN UE
1343	36.523-3	3251		Rel-12	F	RP-160853	R5s160363	approved	Corrections to EMM test case 9.2.1.2.1d for Multi-PDN UE
1344	36.523-3	3253		Rel-12	F	RP-160853	R5s160365	approved	Correction to EUTRA LTE<>IRAT TestCase 6.2.1.2 and 6.2.1.3
1345	36.523-3	3254		Rel-12	F	RP-160853	R5s160367	approved	Correction to IMS MO video call SSAC test case 13.5.2a
1346	36.523-3	3255		Rel-12	F	RP-160853	R5s160368	approved	Corrections to EMM test case 9.2.1.1.18 for Multi-PDN UE
1347	36.523-3	3256		Rel-12	F	RP-160853	R5s160369	approved	Corrections to EMM test case 9.2.1.2.4a for Multi-PDN UE
1348	36.523-3	3257		Rel-12	F	RP-160853	R5s160370	approved	Corrections to EMM test case 9.2.1.1.26 for Multi-PDN UE
1349	36.523-3	3259		Rel-12	F	RP-160853	R5s160376	approved	Corrections to EUTRA Idle Mode test case 6.1.1.4 for Multi-PDN UE
1350	36.523-3	3260		Rel-12	F	RP-160853	R5s160383	approved	Corrections to EUTRA MAC test cases 7.1.2.8 and 7.1.3.9
1351	36.523-3	3261		Rel-12	F	RP-160853	R5s160384	approved	LTE_TDD: Correction to EUTRA eMDT test case 8.6.8.5
1352	36.523-3	3262		Rel-12	F	RP-160853	R5s160385	approved	Correction to UTRAN Registration procedure with IMS enabled for LTE-IRAT test cases
1353	36.523-3	3263		Rel-12	F	RP-160853	R5s160386	approved	Corrections to EMM test case 9.2.1.1.2 for IMS-enabled UE
1354	36.523-3	3264		Rel-12	F	RP-160853	R5s160387	approved	Corrections to EMM test case 9.2.2.1.2 for IMS-enabled UE
1355	36.523-3	3265		Rel-12	F	RP-160853	R5s160388	approved	Correction to IMS Emergency Call test case 11.2.3 for Multi-PDN UEs
1356	36.523-3	3266		Rel-12	F	RP-160853	R5s160391	approved	Correction to GERAN ciphering setup for InterRAT test cases with IMS relation
1357	36.523-3	3267		Rel-12	F	RP-160853	R5s160393	approved	Correction to test cases 9.2.3.1.15, 9.2.3.1.15a and 9.2.3.1.18a with MultiPDN configuration
1358	36.523-3	3268		Rel-12	F	RP-160853	R5s160394	approved	Correction to LTE-IRAT test cases 6.2.3.13 & 6.2.3.4 for IMS over UTRA enabled UEs
1359	36.523-3	3269		Rel-12	F	RP-160853	R5s160395	approved	Correction to LTE-A eMBMS-SC-CA test case 17.4.9.1 and 17.4.9.2
1360	36.523-3	3270		Rel-12	F	RP-160853	R5s160396	approved	Correction to CA / RRC connection reconfiguration test cases 8.2.4.17.x
1361	36.523-3	3271		Rel-12	F	RP-160853	R5s160397	approved	Correction to f_EUTRA_508RRC_IntraLTE_CA_HO_InterCell
1362	36.523-3	3272		Rel-12	F	RP-160853	R5s160398	approved	Correction to test case 7.1.4.12
1363	36.523-3	3273		Rel-12	F	RP-160853	R5s160399	approved	Corrections to EMM test case 9.2.1.2.2 for IMS-enabled UE
1364	36.523-3	3274		Rel-12	B	RP-160853	R5s160400	approved	Addition of PTCRB RFT-111 EUTRA Hybrid Cell TestCase 6.4.7
1365	36.523-3	3276		Rel-12	F	RP-160853	R5s160402	approved	Corrections to EMM test case 9.2.1.2.3 for IMS-enabled UE
1366	36.523-3	3278		Rel-12	F	RP-160853	R5s160404	approved	Corrections to EMM test case 9.2.1.2.4 for Multi-PDN UE
1367	36.523-3	3279		Rel-12	F	RP-160853	R5s160405	approved	Corrections to testcase 11.2.8

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1	**Spec**	**CR**	**Rev**	**REL**	**Cat**	**Plenary doc**	**WG doc**	**TSG status**	**Subject**
1368	36.523-3	3280		Rel-12	F	RP-160853	R5s160407	approved	Correction to NIMTC test case 10.5.4
1369	36.523-3	3281	1	Rel-12	F	RP-160837	R5-163035	approved	Dual Connectivity: Test Model updates
1370	36.523-3	3282		Rel-12	F	RP-160853	R5s160408	approved	Corrections to EMM test case 9.2.3.2.11 for IMS-enabled UE
1371	36.523-3	3284		Rel-12	F	RP-160853	R5s160412	approved	Correction to GCF WI-227 Inter-RAT eMDT test case 8.6.7.4
1372	36.523-3	3287		Rel-12	F	RP-160853	R5s160414	approved	Corrections to EMM test case 9.2.2.2.1 for Multi-PDN UE
1373	36.523-3	3288	1	Rel-12	F	RP-160858	R5-163084	approved	Addition of PIXIT parameter required for MFBI ehancement test case
1374	36.523-3	3289		Rel-12	F	RP-160853	R5s160415	approved	Corrections to EMM test case 9.2.3.1.5 for Multi-PDN UE
1375	36.523-3	3290		Rel-12	F	RP-160853	R5s160416	approved	Corrections to EMM test case 9.2.3.2.2 for IMS-enabled UE
1376	36.523-3	3291		Rel-12	F	RP-160853	R5s160417	approved	Correction to EMM test case 9.2.1.1.30
1377	36.523-3	3292		Rel-12	F	RP-160853	R5s160418	approved	Correction to CMAS test case 18.1.3 for IMS enabled UE with Multi-PDN configuration
1378	36.523-3	3294		Rel-12	F	RP-160853	R5s160422	approved	Correction to LTE-A eMBMS-SC-CA test cases
1379	36.523-3	3295		Rel-12	F	RP-160853	R5s160423	approved	Corrections to testcases 13.1.19 and 13.1.20
1380	36.523-3	3296		Rel-12	B	RP-160853	R5s160424	approved	LTE_TDD: Addition of Rel-11 LTE-A CA Enhancements test case 7.1.2.10.1
1381	36.523-3	3297		Rel-12	F	RP-160853	R5s160426	approved	Correction to EMM test case 9.2.2.1.8 for IMS enabled UEs
1382	36.523-3	3298		Rel-12	F	RP-160853	R5s160429	approved	Corrections to EMM test cases 9.2.2.1.6 and 9.2.2.1.7
1383	36.523-3	3299		Rel-12	F	RP-160853	R5s160430	approved	Corrections for EMM test cases 9.2.1.1.13 and 9.2.1.2.12
1384	36.523-3	3300		Rel-12	F	RP-160853	R5s160434	approved	Correction to LTE-IRAT test case 6.2.2.8 for “IMS over UTRA” enabled UEs
1385	36.523-3	3303		Rel-12	F	RP-160853	R5s160437	approved	Correction to LTE-IRAT test case 6.2.3.31 for “IMS over UTRA” enabled UEs
1386	36.523-3	3312		Rel-12	F	RP-160853	R5s160449	approved	Correction for EPS transaction Identifier IE
1387	36.523-3	3314		Rel-12	F	RP-160853	R5s160452	approved	Correction to EMM test case 9.2.3.1.5 for Multi-PDN UEs
1388	36.523-3	3316		Rel-12	F	RP-160852	R5s160458	approved	Add new verified and e-mail agreed TTCN test cases in the TC lists in 36.523-3 (prose), Annex A
1389	36.853-13	0001		Rel-13	F	RP-161120	R4-161591	approved	Clean-up of 3 Band Carrier Aggregation (3DL/1UL) of Bands 2, 4, 5 and 12A
1390	36.853-13	0002		Rel-13	F	RP-161142	R4-164838	approved	CR 36.853-13 on 7+38 blocking requirement
1391	36.857-13	0001		Rel-13	B	RP-161139	R4-161929	approved	Correction for 1A-3C-7A-28A and 3C-7C-28A in TR 36.857-13
1392	36.869	0001		Rel-13	F	RP-161142	R4-164180	approved	Addition of BS coexistence studies of CA_66C, CA_66B and CA_66A-66A
1393	36.893	0002		Rel-13	F	RP-161142	R4-162917	approved	B68 UE spurious emissions for DTT protection in the arab region
1394	36.893	0003		Rel-13	F	RP-161142	R4-164399	approved	A-MPR for Band 68 using averaged TC SAW filter result

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1	**Spec**	**CR**	**Rev**	**REL**	**Cat**	**Plenary doc**	**WG doc**	**TSG status**	**Subject**
1395	36.903	0235		Rel-12	F	RP-160858	R5-162112	approved	Add Test Tolerance Analyses for TS 37.571-1 Test Cases 10.5 and 10.6
1396	36.903	0236		Rel-12	F	RP-160858	R5-162115	approved	Add Test Tolerance Analyses for TS 37.571-1 Test Cases 10.7 and 10.8
1397	36.903	0237	1	Rel-12	F	RP-160834	R5-162893	approved	Add Test Tolerance analysis for MTC RRM test cases 8.1.11
1398	36.903	0238	1	Rel-12	F	RP-160834	R5-162892	approved	Add Test Tolerance analysis for MTC RRM test cases 8.1.12, 8.1.13, 8.1.17 and 8.1.18
1399	36.903	0239		Rel-12	F	RP-160834	R5-162261	approved	Test Tolerance analysis for Cat 0 RLM out of sync (non-DRX) test cases
1400	36.903	0240		Rel-12	F	RP-160834	R5-162264	approved	Test Tolerance analysis for Cat 0 RLM out of sync DRX test cases
1401	36.903	0241		Rel-12	F	RP-160834	R5-162270	approved	Test Tolerance analysis for Cat 0 RLM in sync non-DRX test cases
1402	36.903	0242		Rel-12	F	RP-160834	R5-162273	approved	Test Tolerance analysis for Cat 0 RLM in sync DRX test cases
1403	36.903	0243	1	Rel-12	F	RP-160856	R5-163115	approved	Add Test Tolerance analysis for TS 37.571-1 Test cases 8.1.3 and 8.1.4
1404	36.903	0244		Rel-12	F	RP-160858	R5-162398	approved	Add Test Tolerance analysis for TS 36.521-3 Test cases 9.1.6.1_1 and 9.1.12.1_1
1405	36.903	0245		Rel-12	F	RP-160858	R5-162400	approved	Add Test Tolerance analysis for TS 36.521-3 Test cases 9.1.6.2_1 and 9.1.12.2_1
1406	36.903	0246		Rel-12	F	RP-160843	R5-162429	approved	Update of Test Tolerance analyses for intra-freq absolute RSRP accuracy Test cases to include bands 65 and 66
1407	36.903	0247		Rel-12	F	RP-160843	R5-162431	approved	Update of Test Tolerance analyses for intra-freq absolute RSRP accuracy Test cases Rel-12 to include bands 65 and 66
1408	36.903	0248		Rel-12	F	RP-160843	R5-162435	approved	Update of Test Tolerance analyses for intra-freq relative RSRP accuracy Test cases to include bands 65 and 66
1409	36.903	0249		Rel-12	F	RP-160843	R5-162438	approved	Update of Test Tolerance analyses for inter-freq relative RSRP accuracy Test cases to include bands 65 and 66
1410	36.903	0250	1	Rel-12	F	RP-160836	R5-162896	approved	Add Test Tolerance analysis for TS 36.521-3 Test case 8.22.1 and 8.22.2
1411	36.903	0251	1	Rel-12	F	RP-160836	R5-162898	approved	Add Test Tolerance analysis for TS 36.521-3 Test case 8.22.3 and 8.22.4
1412	36.903	0253		Rel-12	F	RP-160836	R5-162736	approved	Add Test Tolerance analysis for TS 36.521-3 Test case 9.1.25 and 9.1.26

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	A	B	C	D	E	F	G	H	I
1	**Spec**	**CR**	**Rev**	**REL**	**Cat**	**Plenary doc**	**WG doc**	**TSG status**	**Subject**
1413	36.904	0034	1	Rel-12	F	RP-160838	R5-162950	approved	Add Test Tolerance analysis for FDD PDSCH Closed Loop Single Layer Spatial Multiplexing 2x2 with TM4 Interference Model - Enhanced Performance Requirement Type B (8.2.1.4.4)
1414	36.904	0035	1	Rel-12	F	RP-160838	R5-162951	approved	Add Test Tolerance analysis for TDD PDSCH Closed Loop Single Layer Spatial Multiplexing 2x2 with TM4 Interference Model - Enhanced
1415	36.904	0036		Rel-12	F	RP-160856	R5-162173	approved	Add Test Tolerance analysis for Power Control Relative power tolerance for CA (intra-band contiguous DL CA and UL CA) test case
1416	36.904	0037	1	Rel-12	F	RP-160838	R5-162899	approved	Update of NAICS demod TT analyses to clarify handling of flatness
1417	36.905	0010		Rel-13	F	RP-160841	R5-162360	approved	Test point and test requirements analysis for CA_4A-5A spurious test cases
1418	36.905	0011	1	Rel-12	F	RP-160841	R5-162845	approved	36.905 Addition of Test Points for CA_3A-7A-8A
1419	36.905	0012	1	Rel-13	F	RP-160841	R5-162988	approved	New CA band combinations CA_28A-41A, CA_28A-41C, CA_28A-42A and CA_28A-42C - Updates of test points analysis
1420	36.905	0013	1	Rel-12	F	RP-160835	R5-162998	approved	A-MPR band coverage for inter-band UL CA
1421	36.905	0014	1	Rel-12	F	RP-160835	R5-162999	approved	Test point analysis for A-MPR test case 6.2.4A.2
1422	36.905	0015	1	Rel-12	F	RP-160835	R5-162871	approved	Addition of test points selection for 2UL inter-band CA spurious test cases
1423	36.905	0016		Rel-13	F	RP-160841	R5-163020	approved	Addition of test points analysis for CA_1A-8A-11A
1424	36.978	0002	1	Rel-13	F	RP-160860	R5-163010	approved	CR for addition of client application for the Antenna test Function
1425	37.104	0287	2	Rel-12	F	RP-161141	R4-163083	approved	Corrections to BS spurious emissions requirements in TS37.104 (Rel-12)
1426	37.104	0288	1	Rel-13	A	RP-161141	R4-163084	approved	Corrections to BS spurious emissions requirements in TS37.104 (Rel-13)
1427	37.104	0291		Rel-14	B	RP-161125	R4-163197	approved	Introduction of Band 70 to 37.104
1428	37.104	0292	1	Rel-13	F	RP-161140	R4-164666	approved	Corrections on definition of multi-band definition and blocking
1429	37.104	0293		Rel-13	B	RP-161126	R4-164010	approved	CR on introduction of NB-IoT in TS 37.104
1430	37.104	0294	1	Rel-13	F	RP-161142	R4-164674	approved	Introduction of Band 46 in 37.104
1431	37.104	0295		Rel-14	B	RP-161124	R4-164423	approved	Introduction of Band 69 to 37.104
1432	37.105	0002	1	Rel-13	F	RP-161142	R4-162951	approved	Editorial corrections - alignment with 3GPP drafting rules
1433	37.105	0005	1	Rel-13	F	RP-161127	R4-162955	approved	Clarifying UTRA TDD option in Performance section
1434	37.105	0006		Rel-13	F	RP-161142	R4-163671	approved	Correction of interfering signal level for Tx intermodulation

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1	**Spec**	**CR**	**Rev**	**REL**	**Cat**	**Plenary doc**	**WG doc**	**TSG status**	**Subject**
1435	37.105	0007	1	Rel-13	F	RP-161142	R4-164789	approved	Correct spectrum emission mask and operating band UEM absolute basic limits
1436	37.105	0011	1	Rel-13	D	RP-161142	R4-164837	approved	37.105: Readability improvemenand corrections (sections 4 - 10)
1437	37.113	0045		Rel-14	B	RP-161125	R4-163198	approved	Introduction of Band 70 to 37.113
1438	37.113	0047	1	Rel-13	F	RP-161142	R4-164670	approved	Clarification in EMC environmental conditions references
1439	37.113	0048		Rel-14	B	RP-161124	R4-164424	approved	CR to 37.113 on receiver exclusion band update due to Band 69
1440	37.113	0049		Rel-10	F	RP-161141	R4-164426	approved	Necessary updates in 37.113 on receiver exclusion bands
1441	37.113	0050		Rel-11	A	RP-161141	R4-164427	approved	Necessary updates in 37.113 on receiver exclusion bands
1442	37.113	0051		Rel-12	A	RP-161141	R4-164428	approved	Necessary updates in 37.113 on receiver exclusion bands
1443	37.113	0052		Rel-13	F	RP-161141	R4-164429	approved	Necessary updates in 37.113 on receiver exclusion bands
1444	37.114	0002	1	Rel-13	F	RP-161142	R4-164790	approved	Clarification in EMC environmental conditions references
1445	37.141	0454	2	Rel-12	F	RP-161141	R4-163085	approved	Corrections to BS spurious emissions requirements in TS37.141 (Rel-12)
1446	37.141	0455	1	Rel-13	F	RP-161140	R4-162990	approved	Clarification in MB test configuration TC7b
1447	37.141	0456	1	Rel-13	A	RP-161141	R4-163086	approved	Corrections to BS spurious emissions requirements in TS37.141 (Rel-13)
1448	37.141	0460		Rel-14	B	RP-161125	R4-163201	approved	Introduction of Band 70 to 37.141
1449	37.141	0461	1	Rel-13	F	RP-161140	R4-164667	approved	Corrections on definition of multi-band definition and blocking
1450	37.141	0462	1	Rel-13	B	RP-161134	R4-164675	approved	Introduction of Band 46 in TS 37.141
1451	37.141	0463		Rel-14	B	RP-161124	R4-164425	approved	Introduction of Band 69 to 37.141
1452	37.571-1	0165		Rel-12	F	RP-160858	R5-162114	approved	Uncertainties and Test Tolerances for RSTD Test Cases 10.5 and 10.6
1453	37.571-1	0166		Rel-12	F	RP-160858	R5-162116	approved	Uncertainties and Test Tolerances for RSTD Test Cases 10.7 and 10.8
1454	37.571-1	0167	1	Rel-12	F	RP-160856	R5-163116	approved	Uncertainties and Test tolerances for TS 37.571-1 Test cases 8.1.3 and 8.1.4
1455	37.571-1	0168	1	Rel-12	F	RP-160858	R5-162970	approved	Add missing LTE FDD TDD bands to E-UTRA Band Groups
1456	37.571-1	0169	1	Rel-12	F	RP-160858	R5-162971	approved	Add missing LTE FDD band to Annex E
1457	37.571-3	0052	1	Rel-12	F	RP-160856	R5-163036	approved	Editorial correction of Positioing PICS Mnemonic
1458	37.571-4	0074	1	Rel-12	F	RP-160855	R5s160479	approved	Correction to LTE Positioning test cases
1459	37.571-4	0075	1	Rel-12	F	RP-160855	R5s160480	approved	Correction to UTRA Positioning test cases
1460	37.901	0046		Rel-11	F	RP-160857	R5-162552	approved	Correction to the applicability condition for the test cases A.3.2.3, A.3.2.4, A.3.6.1, A.3.6.2
1461	37.977	0035	1	Rel-13	F	RP-161142	R4-163007	approved	CR to TR37.977: RC+CE Test Volume Validation

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1	**Spec**	**CR**	**Rev**	**REL**	**Cat**	**Plenary doc**	**WG doc**	**TSG status**	**Subject**
1462	37.977	0036	2	Rel-14	F	RP-161142	R4-164922	approved	Definition of device positioning within the Multi Probe Anechoic Chamber test volume
1463	37.977	0037	1	Rel-13	F	RP-161142	R4-164806	approved	CR to TR37.977: RC+CE Validation Updates

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
2	13.2.1	agreed	R4	LTE_AWS_3_4	RP-72	
3	13.2.0	agreed	R4	LTE_AWS_3_4	RP-72	
4	13.2.0	agreed	R4	MB_MSR_RF-Core	RP-72	
5	13.2.0	agreed	R4	LTE_FDD_2600_CA_B3-Core	RP-72	
6	13.0.1	agreed	R4	TEI13	RP-72	
7	13.0.0	agreed	R4	LTE_AWS_3_4	RP-72	
8	13.1.0	agreed	R4	LTE_AWS_3_4	RP-72	
9	13.1.0	agreed	R4	LTE_FDD_2600_CA_B3	RP-72	
10	13.2.0	agreed	R4	LTE_LAA-Perf	RP-72	
11	13.2.0	agreed	R4	LTE_AWS_3_4	RP-72	
12	12.8.0	agreed	R4	TEI12	RP-72	
13	13.2.0	agreed	R4	TEI12	RP-72	
14	13.2.0	agreed	R4	MB_MSR_RF-Core	RP-72	
15	13.2.0	agreed	R4	LTE_FDD_2600_CA_B3-Perf	RP-72	
16	13.0.1	agreed	R4	LTE_LAA-Perf	RP-72	
17	12.1.0	-	R1	UTRA_DCHenh-Core	RP-72	
18	13.0.0	-	R1	UTRA_DCHenh-Core	RP-72	
19	12.1.0	agreed	R1	UTRA_DCHenh-Core	RP-72	
20	13.0.0	agreed	R1	UTRA_DCHenh-Core	RP-72	
21	12.3.0	agreed	R1	UTRA_DCHenh-Core	RP-72	
22	13.2.0	agreed	R1	UTRA_DCHenh-Core	RP-72	
23	12.1.0	agreed	R1	UTRA_DCHenh-Core	RP-72	
24	13.0.0	agreed	R1	UTRA_DCHenh-Core	RP-72	
25	12.5.0	agreed	R2	UTRA_DCHenh-Core	RP-72	
26	13.1.0	agreed	R2	UTRA_DCHenh-Core	RP-72	
27	11.10.0	agreed	R2	HSUPA_DB_MC-Core, TEI11	RP-72	
28	12.7.0	agreed	R2	HSUPA_DB_MC-Core, TEI11	RP-72	
29	13.1.0	agreed	R2	UTRA_HetNet_enh-Core, TEI13	RP-72	
30	13.0.0	agreed	R2	UTRA_HetNet_enh-Core, TEI13	RP-72	
31	10.19.0	agreed	R2	TEI10	RP-72	
32	11.16.0	agreed	R2	TEI10	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
33	12.9.0	agreed	R2	TEI10	RP-72	
34	13.2.0	agreed	R2	TEI10	RP-72	
35	11.16.0	agreed	R2	HSUPA_DB_MC-Core, TEI11	RP-72	
36	12.9.0	agreed	R2	HSUPA_DB_MC-Core, TEI11	RP-72	
37	12.9.0	agreed	R2	HSUPA_DB_MC-Core, TEI11	RP-72	CR was submitted twice to RAN #72
38	13.2.0	agreed	R2	UTRA_HetNet_enh-Core, TEI13	RP-72	
39	13.2.0	agreed	R2	UTRA_EDL_L23-Core	RP-72	
40	13.2.0	agreed	R2	UTRA_LTE_iPos_enh-Core	RP-72	
41	13.2.0	agreed	R2	UTRA_EDL_L23-Core	RP-72	
42	13.1.0	agreed	R3	CSPS_Coord-UTRA-Core	RP-72	
43	12.5.0	agreed	R3	UTRA_DCHenh-Core	RP-72	
44	13.2.0	agreed	R3	UTRA_DCHenh-Core	RP-72	
45	12.5.0	agreed	R3	UTRA_DCHenh-Core	RP-72	
46	13.2.0	agreed	R3	UTRA_DCHenh-Core	RP-72	
47	13.1.0	agreed	R3	LTE_AWS_3_4	RP-72	
48	13.1.0	agreed	R3	LTE_FDD_2600_CA_B3-Core	RP-72	
49	13.1.0	agreed	R3	LTE_AWS_3_4	RP-72	
50	13.1.0	agreed	R3	LTE_FDD_2600_CA_B3-Core	RP-72	
51	12.1.0	agreed	R5	TEI8_Test	RP-72	
52	12.1.0	agreed	R5	TEI8_Test	RP-72	
53	12.3.0	agreed	R5	TEI8_Test	RP-72	
54	12.3.0	agreed	R5	TEI8_Test	RP-72	
55	12.3.0	agreed	R5	UTRA_DCHenh-UEConTest	RP-72	
56	12.3.0	agreed	R5	UTRA_DCHenh-UEConTest	RP-72	
57	12.3.0	agreed	R5	TEI8_Test	RP-72	
58	12.3.0	agreed	R5	LTE_1980_2170_REG1_REG3-UEConTest	RP-72	
59	12.2.0	agreed	R5	UTRA_DCHenh-UEConTest	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
60	12.3.0	agreed	R5	TEI12_Test, UTRA_LTE_WLAN_interw-UEConTest	RP-72	
61	12.3.0	agreed	R5	TEI12_Test, UTRA_LTE_WLAN_interw-UEConTest	RP-72	
62	12.3.0	agreed	R5	TEI12_Test, UTRA_LTE_WLAN_interw-UEConTest	RP-72	
63	12.3.0	agreed	R5	TEI8_Test	RP-72	
64	12.3.0	agreed	R5	TEI11_Test	RP-72	
65	12.3.0	agreed	R5	TEI8_Test	RP-72	
66	12.3.0	agreed	R5	TEI_Test	RP-72	
67	12.3.0	agreed	R5	TEI10_Test	RP-72	
68	12.3.0	agreed	R5	TEI10_Test	RP-72	
69	12.3.0	agreed	R5	TEI_Test	RP-72	
70	12.3.0	agreed	R5	TEI_Test	RP-72	
71	12.3.0	agreed	R5	TEI_Test	RP-72	
72	12.3.0	agreed	R5	TEI_Test	RP-72	
73	12.3.0	agreed	R5	TEI_Test	RP-72	
74	12.3.0	agreed	R5	TEI7_Test	RP-72	
75	12.3.0	agreed	R5	TEI_Test	RP-72	
76	12.3.0	agreed	R5	TEI8_Test	RP-72	
77	12.3.0	agreed	R5	TEI11_Test	RP-72	
78	12.3.0	agreed	R5	TEI8_Test	RP-72	wrong Tdoc and rev number on CR cover
79	12.3.0	agreed	R5	TEI8_Test	RP-72	
80	12.3.0	agreed	R5	TEI8_Test	RP-72	
81	12.3.0	agreed	R5	TEI10_Test	RP-72	
82	12.3.0	agreed	R5	TEI8_Test	RP-72	
83	12.3.0	agreed	R5	TEI8_Test	RP-72	
84	12.3.0	agreed	R5	TEI_Test	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
85	12.3.0	agreed	R5	TEI8_Test	RP-72	
86	12.3.0	agreed	R5	TEI10_Test	RP-72	
87	12.3.0	agreed	R5	TEI8_Test	RP-72	
88	12.3.0	agreed	R5	TEI8_Test	RP-72	
89	12.3.0	agreed	R5	TEI_Test	RP-72	
90	12.3.0	agreed	R5	TEI5_Test	RP-72	
91	12.3.0	agreed	R5	TEI10_Test	RP-72	
92	12.3.0	agreed	R5	TEI8_Test	RP-72	
93	12.3.0	agreed	R5	TEI7_Test	RP-72	
94	12.3.0	agreed	R5	TEI8_Test	RP-72	
95	12.9.0	agreed	R5	TEI8_Test	RP-72	
96	12.9.0	agreed	R5	TEI12_Test, EVS_codec-UEConTest	RP-72	
97	12.9.0	agreed	R5	TEI12_Test, EVS_codec-UEConTest	RP-72	
98	12.9.0	agreed	R5	TEI8_Test	RP-72	
99	12.9.0	agreed	R5	TEI12_Test	RP-72	
100	12.9.0	agreed	R5	TEI8_Test	RP-72	
101	12.9.0	agreed	R5	TEI8_Test	RP-72	
102	12.9.0	agreed	R5	TEI12_Test, EVS_codec-UEConTest	RP-72	
103	12.9.0	agreed	R5	TEI12_Test, EVS_codec-UEConTest	RP-72	
104	12.9.0	agreed	R5	TEI8_Test	RP-72	
105	12.9.0	agreed	R5	TEI8_Test	RP-72	
106	12.9.0	agreed	R5	TEI8_Test	RP-72	
107	12.9.0	agreed	R5	TEI8_Test	RP-72	
108	12.9.0	agreed	R5	TEI8_Test	RP-72	
109	12.9.0	agreed	R5	MTSI_WLAN-UEConTest	RP-72	
110	12.9.0	agreed	R5	MTSI_WLAN-UEConTest	RP-72	
111	12.9.0	agreed	R5	MTSI_WLAN-UEConTest	RP-72	
112	12.9.0	agreed	R5	MTSI_WLAN-UEConTest	RP-72	
113	12.9.0	agreed	R5	MTSI_FIXED_ACCESS-UEConTest	RP-72	
114	12.9.0	agreed	R5	MTSI_FIXED_ACCESS-UEConTest	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
115	12.9.0	agreed	R5	MTSI_FIXED_ACCESS-UEConTest	RP-72	
116	12.9.0	agreed	R5	MTSI_FIXED_ACCESS-UEConTest	RP-72	
117	12.9.0	agreed	R5	TEI8_Test	RP-72	
118	12.9.0	agreed	R5	TEI8_Test	RP-72	
119	12.9.0	agreed	R5	TEI8_Test	RP-72	
120	12.9.0	agreed	R5	TEI8_Test	RP-72	
121	12.9.0	agreed	R5	TEI8_Test	RP-72	
122	12.9.0	agreed	R5	TEI8_Test	RP-72	
123	12.9.0	agreed	R5	MTSI_FIXED_ACCESS-UEConTest	RP-72	
124	12.9.0	agreed	R5	MTSI_FIXED_ACCESS-UEConTest	RP-72	
125	12.9.0	agreed	R5	MTSI_FIXED_ACCESS-UEConTest	RP-72	
126	12.9.0	agreed	R5	MTSI_FIXED_ACCESS-UEConTest	RP-72	
127	12.9.0	agreed	R5	MTSI_FIXED_ACCESS-UEConTest	RP-72	
128	12.9.0	agreed	R5	MTSI_FIXED_ACCESS-UEConTest	RP-72	
129	12.9.0	agreed	R5	MTSI_FIXED_ACCESS-UEConTest	RP-72	
130	12.9.0	agreed	R5	TEI12_Test	RP-72	
131	12.9.0	agreed	R5	TEI9_Test	RP-72	
132	12.9.0	agreed	R5	TEI8_Test	RP-72	
133	12.9.0	agreed	R5	MTSI_FIXED_ACCESS-UEConTest	RP-72	
134	12.9.0	agreed	R5	TEI9_Test	RP-72	
135	12.9.0	agreed	R5	TEI12_Test	RP-72	
136	12.9.0	agreed	R5	TEI8_Test	RP-72	
137	12.8.0	agreed	R5	TEI8_Test	RP-72	
138	12.8.0	agreed	R5	MTSI_WLAN-UEConTest	RP-72	

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1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
139	12.8.0	agreed	R5	MTSI_WLAN-UEConTest	RP-72	
140	12.8.0	agreed	R5	TEI8_Test	RP-72	
141	12.8.0	agreed	R5	TEI12_Test	RP-72	
142	12.8.0	agreed	R5	MTSI_FIXED_ACCESS-UEConTest	RP-72	
143	12.8.0	agreed	R5	TEI8_Test	RP-72	
144	12.8.0	agreed	R5	MTSI_FIXED_ACCESS-UEConTest	RP-72	
145	12.8.0	agreed	R5	TEI8_Test	RP-72	
146	12.8.0	agreed	R5	TEI8_Test	RP-72	
147	11.3.0	agreed	R5	TEI9_Test	RP-72	
148	11.3.0	agreed	R5	TEI9_Test	RP-72	
149	11.3.0	agreed	R5	TEI8_Test	RP-72	
150	11.3.0	agreed	R5	TEI8_Test	RP-72	
151	11.3.0	agreed	R5	TEI9_Test	RP-72	
152	11.3.0	agreed	R5	TEI8_Test	RP-72	
153	11.3.0	agreed	R5	TEI9_Test	RP-72	
154	11.3.0	agreed	R5	TEI8_Test	RP-72	
155	11.3.0	agreed	R5	TEI8_Test	RP-72	
156	11.3.0	agreed	R5	TEI8_Test	RP-72	
157	11.3.0	agreed	R5	TEI9_Test	RP-72	
158	11.3.0	agreed	R5	TEI8_Test	RP-72	
159	11.3.0	agreed	R5	TEI8_Test	RP-72	
160	11.3.0	agreed	R5	TEI8_Test	RP-72	
161	11.3.0	agreed	R5	TEI12_Test, EVS_codec-UEConTest	RP-72	
162	11.3.0	agreed	R5	TEI12_Test, EVS_codec-UEConTest	RP-72	
163	11.3.0	agreed	R5	TEI9_Test	RP-72	
164	11.3.0	agreed	R5	TEI9_Test	RP-72	
165	11.3.0	agreed	R5	TEI8_Test	RP-72	
166	11.3.0	agreed	R5	TEI12_Test	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
167	12.11.0	agreed	R4	LTE-RF	RP-72	
168	13.3.0	agreed	R4	LTE-RF	RP-72	
169	12.11.0	agreed	R4	LTE-RF	RP-72	
170	13.3.0	agreed	R4	LTE-RF	RP-72	
171	13.3.0	agreed	R4	LTE_EBF_FDMIMO-Perf	RP-72	wrong revision on CR cover
172	13.3.0	agreed	R4	TEI13	RP-72	
173	13.3.0	agreed	R4	TEI13	RP-72	
174	12.11.0	agreed	R4	TEI12	RP-72	
175	13.3.0	agreed	R4	TEI12	RP-72	
176	12.11.0	agreed	R4	TEI12	RP-72	
177	13.3.0	agreed	R4	TEI12	RP-72	
178	13.3.0	agreed	R4	LTE_eD2D_Prox-Core	RP-72	
179	13.3.0	agreed	R4	LTE_MTCe2_L1-Perf	RP-72	
180	13.3.0	agreed	R4	LTE_MTCe2_L1-Perf	RP-72	
181	13.3.0	agreed	R4	LTE_CA_B41_B42_B42, LTE_CA_B41_B41_B42_B42	RP-72	
182	13.3.0	agreed	R4	LTE_SC_enh_dualC-Perf	RP-72	
183	13.3.0	agreed	R4	LTE_4Rx_AP_DL-Perf	RP-72	
184	13.3.0	agreed	R4	LTE_4Rx_AP_DL-Core	RP-72	
185	13.3.0	agreed	R4	LTE_MTCe2_L1-Core	RP-72	
186	13.3.0	agreed	R4	LTE_4Rx_AP_DL-Core	RP-72	
187	13.3.0	agreed	R4	TEI13	RP-72	
188	12.11.0	agreed	R4	LC_MTC_LTE-Core	RP-72	
189	13.3.0	agreed	R4	LC_MTC_LTE-Core	RP-72	
190	13.3.0	agreed	R4	LTE_MTCe2_L1-Core	RP-72	
191	12.11.0	agreed	R4	LTE_CA_B38-Core	RP-72	
192	13.3.0	agreed	R4	LTE_CA_B38-Core	RP-72	
193	11.16.0	agreed	R4	TEI11	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
194	12.11.0	agreed	R4	TEI11	RP-72	
195	13.3.0	agreed	R4	TEI11	RP-72	
196	13.3.0	agreed	R4	LTE_CRSIM-Perf	RP-72	
197	13.3.0	agreed	R4	LTE_UL64QAM-Core	RP-72	
198	13.3.0	agreed	R4	LTE_CRSIM-Perf	RP-72	
199	13.3.0	agreed	R4	LTE_MTCe2_L1-Core	RP-72	
200	13.3.0	agreed	R4	LTE_CA_R14_intra, LTE_CA_R14_2DL1UL, LTE_CA_R14_3DL1UL, LTE_CA_R14_4DL1UL, LTE_CA_R14_5DL1UL, LTE_SC_enh_dualC	RP-72	
201	13.3.0	agreed	R4	LTE_AWS_3_4	RP-72	
202	13.3.0	agreed	R4	LTE_IM_DLCCH-Perf	RP-72	
203	13.3.0	agreed	R4	LTE_IM_DLCCH-Perf	RP-72	wrong revision on CR cover
204	12.11.0	agreed	R4	LTE_CA_B1_B42_B42-Perf	RP-72	
205	13.3.0	agreed	R4	LTE_CA_B1_B42_B42-Perf	RP-72	
206	13.3.0	agreed	R4	TEI13	RP-72	
207	13.3.0	agreed	R4	LTE_MTCe2_L1-Perf	RP-72	
208	13.3.0	agreed	R4	LTE_MTCe2_L1-Perf	RP-72	
209	13.3.0	agreed	R4	LTE_EBF_FDMIMO-Perf	RP-72	wrong revision on CR cover
210	13.3.0	agreed	R4	LTE_EBF_FDMIMO-Perf	RP-72	wrong revision on CR cover
211	13.3.0	agreed	R4	LTE_LAA-Core	RP-72	
212	13.3.0	agreed	R4	LTE_FDD_2600_CA_B3-Core	RP-72	
213	13.3.0	agreed	R4	LTE_CA_B8_B42_B42	RP-72	
214	13.3.0	agreed	R4	LTE_4Rx_AP_DL	RP-72	
215	13.3.0	agreed	R4	LTE_CA_R14_xDL2UL-Core	RP-72	
216	13.3.0	agreed	R4	LTE_CA_R14_xDL2UL-Core	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
217	13.3.0	agreed	R4	LTE_CA_R14_4DL1UL-Core	RP-72	
218	13.3.0	agreed	R4	LTE_CA_R14_intra-Core	RP-72	
219	13.3.0	agreed	R4	LTE_MTCe2_L1-Core	RP-72	
220	12.11.0	agreed	R4	TEI12	RP-72	
221	13.3.0	agreed	R4	LTE_CA_B1_B21_B42-Core, LTE_CA_B19_B21_B42-Core, LTE_CA_B1_B19_B21_B42-Core, LTE_CA_B1_B21_B42_B42-Core, LTE_CA_B19_B21_B42_B42-Core, LTE_CA_B1_B19_B21_B42_B42-Core	RP-72	
222	13.3.0	agreed	R4	LTE_CA_R14_5DL1UL-Core	RP-72	
223	13.3.0	agreed	R4	NB_IOT-Core	RP-72	
224	13.3.0	agreed	R4	LTE_LAA-Core	RP-72	
225	13.3.0	-	R4	LTE_CA_R14_2DL1UL_Core	RP-72	
226	13.3.0	agreed	R4	LTE_CA_R14_2DL1UL-Core	RP-72	
227	13.3.0	agreed	R4	LTE_IM_DLCCH-Perf	RP-72	
228	13.3.0	agreed	R4	LTE_IM_DLCCH-Perf	RP-72	
229	13.3.0	agreed	R4	LTE_IM_DLCCH-Perf	RP-72	
230	13.3.0	agreed	R4	LTE_IM_DLCCH-Perf	RP-72	
231	13.3.0	agreed	R4	LTE_4Rx_AP_DL-Perf	RP-72	
232	13.3.0	agreed	R4	LTE_4Rx_AP_DL-Perf	RP-72	
233	13.3.0	agreed	R4	LTE_MTCe2_L1-Core	RP-72	
234	13.3.0	agreed	R4	LTE_CA_R14_2DL2UL-Core	RP-72	
235	13.3.0	agreed	R4	LTE_CA_R14_3DL1UL-Core	RP-72	
236	13.3.0	agreed	R4	LTE_TDD_1447MHz_China-Core	RP-72	
237	11.16.0	agreed	R4	TEI11	RP-72	
238	12.11.0	agreed	R4	TEI12	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
239	13.3.0	agreed	R4	TEI13	RP-72	
240	13.3.0	agreed	R4	TEI13	RP-72	
241	11.16.0	agreed	R4	TEI12	RP-72	
242	12.11.0	agreed	R4	TEI12	RP-72	
243	13.3.0	agreed	R4	TEI12	RP-72	
244	13.3.0	agreed	R4	TEI13	RP-72	
245	13.3.0	agreed	R4	LTE_4Rx_AP_DL-Perf	RP-72	
246	13.3.0	agreed	R4	LTE_IM_DLCCH-Perf	RP-72	
247	13.3.0	agreed	R4	LTE_CA-Core	RP-72	
248	13.3.0	agreed	R4	LTE_FDD_700_ARAB-Core	RP-72	
249	13.3.0	agreed	R4	LTE_IM_DLCCH-Perf	RP-72	
250	13.3.0	-	R4	LTE_4Rx_AP_DL-Perf	RP-72	
251	13.3.0	agreed	R4	LTE_MMSE_IRC_BS-Perf	RP-72	
252	13.3.0	agreed	R4	LTE_MMSE_IRC_BS-Perf	RP-72	
253	13.3.0	agreed	R4	LTE_MMSE_IRC_BS-Perf	RP-72	
254	13.3.0	agreed	R4	LTE_MMSE_IRC_BS-Perf	RP-72	
255	13.3.0	agreed	R4	LTE_MMSE_IRC_BS-Perf	RP-72	
256	13.3.0	agreed	R4	LTE_MTCe2_L1-Perf	RP-72	
257	13.3.0	agreed	R4	LTE_MTCe2_L1-Perf	RP-72	
258	13.3.0	agreed	R4	LTE_LAA-Core	RP-72	
259	13.3.0	agreed	R4	LTE_LAA-Core	RP-72	
260	13.3.0	agreed	R4	LTE_LAA-Core	RP-72	
261	13.3.0	agreed	R4	LTE_AWS_3_4	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
262	13.3.0	agreed	R4	LTE_MMSE_IRC_BS-Perf	RP-72	
263	13.3.0	agreed	R4	LTE_CA_enh_b5C-Perf	RP-72	
264	13.3.0	agreed	R4	LTE_MTCe2_L1-Perf	RP-72	
265	13.3.0	agreed	R4	LTE_CA_enh_b5C-Perf	RP-72	
266	13.3.0	agreed	R4	TEI13	RP-72	
267	13.3.0	agreed	R4	LTE_CA_R14_4DL1UL-Core	RP-72	
268	13.3.0	agreed	R4	LTE_CA_R14_2DL1UL-Core	RP-72	
269	13.3.0	agreed	R4	LTE_CA_R14_3DL1UL-Core	RP-72	
270	13.3.0	agreed	R4	MB_MSR_RF-Core	RP-72	
271	13.3.0	agreed	R4	LTE_FDD_2600_CA_B3-Core	RP-72	
272	13.3.0	agreed	R4	LTE_LAA-Core	RP-72	
273	13.3.0	agreed	R4	NB_IOT-Core	RP-72	
274	13.1.1	agreed	R4	LTE_AWS_3_4	RP-72	
275	13.1.1	agreed	R4	TEI13	RP-72	
276	13.1.1	agreed	R4	LTE_FDD_2600_CA_B3-Core	RP-72	
277	13.1.0	agreed	R4	LTE_AWS_3_4	RP-72	
278	13.1.0	agreed	R4	LTE_FDD_2600_CA_B3-Core	RP-72	
279	13.3.0	agreed	R4	LTE_MTCe2_L1-Perf	RP-72	
280	13.3.0	agreed	R4	LTE_MTCe2_L1-Perf	RP-72	
281	13.3.0	agreed	R4	LTE_MTCe2_L1-Core	RP-72	
282	13.3.0	agreed	R4	LTE_MTCe2_L1-Core	RP-72	
283	13.3.0	agreed	R4	LTE_LAA	RP-72	
284	13.3.0	agreed	R4	LTE_SC_enh_dualC-Perf	RP-72	
285	13.3.0	agreed	R4	LTE_SC_enh_dualC-Perf	RP-72	
286	13.3.0	agreed	R4	TEI13	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
287	13.3.0	agreed	R4	LTE_SC_enh_dualC-Perf	RP-72	
288	13.3.0	agreed	R4	TEI13	RP-72	wrong revision on CR cover
289	13.3.0	agreed	R4	TEI13	RP-72	wrong revision on CR cover
290	13.3.0	agreed	R4	LTE_LAA-Perf	RP-72	
291	12.11.0	agreed	R4	LTE_D2D_Prox-Perf	RP-72	
292	13.3.0	agreed	R4	LTE_D2D_Prox-Perf	RP-72	
293	13.3.0	agreed	R4	LTE_eD2D_Prox-Perf	RP-72	
294	13.3.0	agreed	R4	LTE_eD2D_Prox-Core	RP-72	
295	12.11.0	agreed	R4	TEI12	RP-72	
296	13.3.0	agreed	R4	TEI12	RP-72	
297	13.3.0	agreed	R4	LTE_SC_enh_dualC-Perf	RP-72	
298	13.3.0	agreed	R4	TEI13	RP-72	
299	13.3.0	agreed	R4	LTE_LAA-Core	RP-72	
300	13.3.0	agreed	R4	LTE_LAA-Core	RP-72	
301	13.3.0	agreed	R4	LTE_LAA-Core	RP-72	
302	13.3.0	agreed	R4	LTE_LAA-Perf	RP-72	
303	13.3.0	agreed	R4	LTE_LAA-Core	RP-72	
304	13.3.0	agreed	R4	LTE_MC_load-Core	RP-72	
305	13.3.0	agreed	R4	LTE_MC_load-Core	RP-72	
306	13.3.0	agreed	R4	LTE_CA_B4_B4_B5_B30-Core	RP-72	
307	13.3.0	agreed	R4	LTE_CA_B4_B4_B5_B30-Core	RP-72	
308	13.3.0	agreed	R4	LTE_CA_B1_B3_B7_B7_B28-Perf	RP-72	
309	13.3.0	agreed	R4	LTE_CA_B1_B3_B7_B7_B28-Perf	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
310	12.11.0	agreed	R4	LTE_CA_TDD_FDD-Perf, TEI12	RP-72	
311	13.3.0	agreed	R4	LTE_CA_TDD_FDD-Perf, TEI12	RP-72	
312	12.11.0	agreed	R4	LTE_CA_TDD_FDD-Perf, TEI12	RP-72	
313	13.3.0	agreed	R4	LTE_CA_TDD_FDD-Perf, TEI12	RP-72	
314	12.11.0	agreed	R4	LTE_CA_TDD_FDD-Perf, TEI12	RP-72	
315	13.3.0	agreed	R4	LTE_CA_TDD_FDD-Perf, TEI12	RP-72	
316	12.11.0	agreed	R4	TEI12	RP-72	
317	13.3.0	agreed	R4	TEI12	RP-72	
318	13.3.0	agreed	R4	LTE_CA_B1_B3_B7_B7_B28-Perf, LTE_CA_B3_B3_B7_B7_B28-Perf	RP-72	
319	13.3.0	agreed	R4	LTE_CA_B1_B3_B7_B7_B28-Perf, LTE_CA_B3_B3_B7_B7_B28-Perf	RP-72	
320	13.3.0	agreed	R4	LTE_CA_B2_B4_B7_B12-Perf, LTE_CA_B4_B4_B5_B30-Perf, LTE_CA_B4_B4_B12_B30-Perf, LTE_CA_B4_B4_B29_B30-Perf	RP-72	
321	13.3.0	agreed	R4	LTE_CA_B2_B4_B7_B12-Perf, LTE_CA_B4_B4_B5_B30-Perf, LTE_CA_B4_B4_B12_B30-Perf, LTE_CA_B4_B4_B29_B30-Perf	RP-72	
322	12.11.0	agreed	R4	TEI13	RP-72	
323	13.3.0	agreed	R4	TEI13	RP-72	
324	13.3.0	agreed	R4	LTE_LAA-Perf	RP-72	
325	13.3.0	agreed	R4	LTE_dualC_enh-Perf	RP-72	
326	13.3.0	agreed	R4	LTE_dualC_enh-Perf	RP-72	
327	12.11.0	agreed	R4	TEI12	RP-72	
328	13.3.0	agreed	R4	LTE_MTCe2_L1-Core	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
329	13.3.0	agreed	R4	LTE_MTCe2_L1-Core	RP-72	
330	13.3.0	agreed	R4	LTE_MTCe2_L1-Core	RP-72	
331	13.3.0	agreed	R4	LTE_MTCe2_L1-Core	RP-72	
332	13.3.0	agreed	R4	LTE_SC_enh_dualC-Perf	RP-72	
333	13.3.0	agreed	R4	LTE_MTCe2_L1-Core	RP-72	
334	13.3.0	agreed	R4	LTE_MTCe2_L1-Core	RP-72	
335	12.11.0	agreed	R4	LTE_CA_TDD_FDD-Perf	RP-72	
336	13.3.0	agreed	R4	LTE_CA_TDD_FDD-Perf	RP-72	
337	12.11.0	agreed	R4	LTE_SC_enh_dualC-Perf	RP-72	
338	13.3.0	agreed	R4	LTE_SC_enh_dualC-Perf	RP-72	
339	12.11.0	agreed	R4	TEI12	RP-72	
340	13.3.0	agreed	R4	TEI12	RP-72	
341	13.3.0	agreed	R4	LTE_AWS_3_4	RP-72	
342	12.11.0	agreed	R4	TEI12	RP-72	
343	13.3.0	agreed	R4	TEI12	RP-72	
344	13.3.0	agreed	R4	LTE_CA_enh_b5C-Perf	RP-72	wrong revision on CR cover
345	13.3.0	agreed	R4	TEI13	RP-72	
346	12.11.0	agreed	R4	LTE_CA_B38-Perf, LTE_CA_B1_B3_B5-Perf	RP-72	
347	13.3.0	agreed	R4	LTE_CA_B38-Perf, LTE_CA_B1_B3_B5-Perf	RP-72	
348	12.11.0	agreed	R4	TEI12	RP-72	
349	11.16.0	agreed	R4	TEI11	RP-72	
350	12.11.0	agreed	R4	TEI12	RP-72	
351	13.3.0	agreed	R4	TEI12	RP-72	
352	13.3.0	agreed	R4	LTE_LAA-Perf	RP-72	
353	13.3.0	agreed	R4	LTE_LAA-Core	RP-72	
354	13.3.0	agreed	R4	LTE_LAA-Core	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
355	13.3.0	agreed	R4	LTE_LAA-Core	RP-72	
356	13.3.0	agreed	R4	LTE_MTCe2_L1-Perf	RP-72	wrong revision on CR cover
357	13.3.0	agreed	R4	LC_MTC_LTE	RP-72	
358	12.11.0	agreed	R4	LTE_CA-Perf	RP-72	
359	13.3.0	agreed	R4	LTE_CA-Perf	RP-72	
360	12.11.0	agreed	R4	TEI12	RP-72	
361	13.3.0	agreed	R4	TEI13	RP-72	
362	13.3.0	agreed	R4	LTE_CA_3DL3UL_B39_B39_B41-Perf, , LTE_CA_3DL3UL_B39_B41_B41-Perf	RP-72	
363	13.3.0	agreed	R4	LTE_dualC_enh-Core	RP-72	
364	13.3.0	agreed	R4	LTE_MTCe2_L1-Perf	RP-72	
365	13.3.0	agreed	R4	LTE_CA_Bx_By_Bz_B-Perf	RP-72	
366	13.3.0	agreed	R4	LTE_CA_Bx_By_Bz_B_B-Perf	RP-72	
367	12.11.0	agreed	R4	LTE_CA_B39_B41-Perf	RP-72	
368	13.3.0	agreed	R4	LTE_CA_B39_B41-Perf	RP-72	
369	13.3.0	agreed	R4	LTE_LAA-Core	RP-72	
370	13.3.0	agreed	R4	LTE_4Rx_AP_DL-Perf	RP-72	
371	13.3.0	agreed	R4	LTE_dualC_enh-Perf	RP-72	
372	13.3.0	agreed	R4	LTE_dualC_enh-Perf	RP-72	
373	13.3.0	agreed	R4	LTE_dualC_enh-Perf	RP-72	
374	13.3.0	agreed	R4	LTE_CA_B4_B4_B5_B30-Core	RP-72	
375	13.3.0	agreed	R4	LTE_CA_B4_B4_B5_B30-Core	RP-72	
376	13.3.0	agreed	R4	LTE_CA_B1_B3_B7_B7_B28-Perf	RP-72	
377	13.3.0	agreed	R4	LTE_CA_B1_B3_B7_B7_B28-Perf	RP-72	
378	13.3.0	agreed	R4	LTE_CA_B1_B3_B7_B7_B28-Perf	RP-72	
379	13.3.0	agreed	R4	LTE_CA_B1_B3_B7_B7_B28-Perf	RP-72	
380	13.3.0	agreed	R4	LTE_CA_3DL3UL_B39_B41_B41-Perf	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
381	13.3.0	agreed	R4	LTE_CA_enh_b5C-Perf	RP-72	
382	13.3.0	agreed	R4	LTE_WLAN_radio-Perf	RP-72	
383	13.3.0	agreed	R4	LTE_MTCe2_L1-Perf	RP-72	
384	13.3.0	agreed	R4	LTE_MTCe2_L1-Perf	RP-72	
385	13.3.0	agreed	R4	LTE_MTCe2_L1-Perf	RP-72	
386	13.3.0	agreed	R4	LTE_dualC_enh-Perf	RP-72	
387	13.3.0	agreed	R4	LTE_dualC_enh-Perf	RP-72	
388	13.3.0	agreed	R4	TEI13	RP-72	
389	13.3.0	agreed	R4	TEI13	RP-72	
390	13.3.0	agreed	R4	TEI13	RP-72	
391	13.3.0	agreed	R4	TEI13	RP-72	
392	13.3.0	agreed	R4	NB_IOT-Core	RP-72	
393	13.3.0	agreed	R4	NB_IOT-Core	RP-72	
394	13.3.0	agreed	R4	TEI13	RP-72	
395	13.3.0	agreed	R4	LTE_FDD_2600_CA_B3-Core	RP-72	
396	13.3.0	agreed	R4	LTE_LAA-Core	RP-72	
397	13.3.0	agreed	R4	LTE_LAA-Core	RP-72	
398	12.11.0	agreed	R4	LTE_SC_enh_L1-Perf	RP-72	
399	13.3.0	agreed	R4	LTE_SC_enh_L1-Perf	RP-72	
400	13.3.0	agreed	R4	LTE_CA_enh_b5C-Perf	RP-72	
401	13.3.0	agreed	R4	LTE_dualC_enh-Perf	RP-72	
402	12.11.0	agreed	R4	LTE_SC_enh_dualC-Core	RP-72	
403	13.3.0	agreed	R4	LTE_SC_enh_dualC-Core	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
404	13.3.0	agreed	R4	LTE_dualC_enh-Perf	RP-72	
405	13.3.0	agreed	R4	LTE_dualC_enh-Perf	RP-72	
406	13.3.0	agreed	R4	LTE_dualC_enh-Perf	RP-72	
407	13.3.0	agreed	R4	TEI13	RP-72	
408	13.3.0	agreed	R4	NB_IOT-Core	RP-72	
409	13.3.0	agreed	R4	LTE_CA_B2_B4_B7_B12-Perf, LTE_CA_B4_B4_B5_B30-Perf, LTE_CA_B4_B4_B12_B30-Perf, LTE_CA_B4_B4_B29_B30-Perf	RP-72	
410	13.3.0	agreed	R4	LTE_CA_B2_B4_B7_B12-Perf, LTE_CA_B4_B4_B5_B30-Perf, LTE_CA_B4_B4_B12_B30-Perf, LTE_CA_B4_B4_B29_B30-Perf	RP-72	
411	13.3.0	agreed	R4	LTE_CA_B1_B3_B7_B7_B28-Perf, LTE_CA_B3_B3_B7_B7_B28-Perf	RP-72	
412	13.3.0	agreed	R4	LTE_CA_B1_B3_B7_B7_B28-Perf, LTE_CA_B3_B3_B7_B7_B28-Perf	RP-72	
413	13.3.0	agreed	R4	LTE_MTCe2_L1-Perf	RP-72	
414	13.3.0	agreed	R4	LTE_MTCe2_L1-Perf	RP-72	
415	13.3.0	agreed	R4	LTE_MTCe2_L1-Perf	RP-72	
416	13.3.0	agreed	R4	LTE_MTCe2_L1-Perf	RP-72	
417	13.3.0	agreed	R4	LTE_MTCe2_L1-Perf	RP-72	
418	13.3.0	agreed	R4	LTE_MTCe2_L1-Perf	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
419	13.3.0	agreed	R4	LTE_MTCe2_L1-Core	RP-72	
420	13.3.0	agreed	R4	NB_IOT-Core	RP-72	
421	13.3.0	agreed	R4	LTE_MTCe2_L1-Perf	RP-72	wrong revision on CR cover
422	13.3.0	agreed	R4	LTE_MTCe2_L1-Perf	RP-72	wrong revision on CR cover
423	13.3.0	agreed	R4	LTE_MTCe2_L1-Perf	RP-72	wrong revision on CR cover
424	13.3.0	agreed	R4	LTE_MTCe2_L1-Perf	RP-72	wrong revision on CR cover
425	13.3.0	agreed	R4	LTE_MTCe2_L1-Perf	RP-72	wrong revision on CR cover
426	13.3.0	agreed	R4	LTE_MTCe2_L1-Perf	RP-72	
427	13.3.0	agreed	R4	LTE_dualC_enh-Perf	RP-72	wrong revision on CR cover
428	13.3.0	agreed	R4	LTE_dualC_enh-Perf	RP-72	wrong revision on CR cover
429	13.3.0	agreed	R4	NB_IOT-Core	RP-72	
430	13.3.0	agreed	R4	LTE_dualC_enh-Perf	RP-72	wrong revision on CR cover
431	13.3.0	agreed	R4	TEI13	RP-72	wrong revision on CR cover
432	13.3.0	agreed	R4	TEI13	RP-72	wrong revision on CR cover
433	13.3.0	agreed	R4	TEI13	RP-72	wrong revision on CR cover
434	13.3.0	agreed	R4	TEI13	RP-72	wrong revision on CR cover
435	13.3.0	agreed	R4	LTE_CA_enh_b5C-Perf	RP-72	wrong revision on CR cover
436	13.3.0	agreed	R4	LTE_MTCe2_L1-Core	RP-72	
437	13.3.0	agreed	R4	LTE_MTCe2_L1-Perf	RP-72	
438	13.3.0	agreed	R4	LTE_MTCe2_L1-Perf	RP-72	
439	13.3.0	agreed	R4	LTE_MTCe2_L1-Perf	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
440	13.3.0	agreed	R4	LTE_MTCe2_L1-Perf	RP-72	
441	13.3.0	agreed	R4	LTE_MTCe2_L1-Core	RP-72	
442	13.3.0	agreed	R4	LTE_MTCe2_L1-Perf	RP-72	
443	13.3.0	agreed	R4	LTE_eD2D_Prox-Core	RP-72	
444	13.3.0	agreed	R4	TEI12	RP-72	
445	13.3.0	agreed	R4	NB_IOT-Core	RP-72	wrong revision on CR cover
446	13.3.0	agreed	R4	LTE_CA_Bx_By_Bz_B-Perf	RP-72	
447	13.3.0	agreed	R4	LTE_CA_Bx_By_Bz_B_B-Perf	RP-72	
448	13.3.0	agreed	R4	LTE_MTCe2_L1-Core	RP-72	
449	13.3.0	agreed	R4	NB_IOT-Core	RP-72	
450	13.3.0	agreed	R4	NB_IOT-Core	RP-72	
451	13.3.0	agreed	R4	NB_IoT-Core	RP-72	
452	13.3.0	agreed	R4	NB_IoT-Core	RP-72	
453	13.3.0	agreed	R4	NB_IoT-Core	RP-72	
454	13.3.0	agreed	R4	NB_IoT-Core	RP-72	
455	13.3.0	agreed	R4	NB_IoT-Core	RP-72	
456	13.3.0	agreed	R4	NB_IoT-Core	RP-72	
457	13.3.0	agreed	R4	NB_IOT-Core	RP-72	
458	13.3.0	agreed	R4	NB_IoT-Core	RP-72	wrong revision on CR cover
459	13.3.0	revised	R4	LTE_MMSE_IRC_BS-Perf	RP-72	
460	13.3.0	agreed	R4	LTE_MMSE_IRC_BS-Perf	RP-72	
461	13.3.0	agreed	R4	LTE_MMSE_IRC_BS-Perf	RP-72	
462	13.3.0	agreed	R4	LTE_LAA-Perf	RP-72	
463	13.3.0	agreed	R4	LTE_AWS_3_4	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
464	12.11.0	agreed	R4	TEI12	RP-72	
465	13.3.0	agreed	R4	TEI12	RP-72	
466	13.3.0	agreed	R4	LTE_CA_enh_b5C-Perf	RP-72	
467	13.3.0	agreed	R4	LTE_MMSE_IRC_BS-Perf	RP-72	
468	13.3.0	agreed	R4	LTE_MMSE_IRC_BS-Perf	RP-72	wrong revision on CR cover
469	13.3.0	agreed	R4	LTE_CA_enh_b5C-Perf	RP-72	
470	13.3.0	agreed	R4	TEI13	RP-72	
471	13.3.0	agreed	R4	LTE_CA_R14_4DL1UL-Core	RP-72	
472	13.3.0	agreed	R4	LTE_CA_R14_2DL1UL-Core	RP-72	
473	13.3.0	agreed	R4	LTE_CA_R14_3DL1UL-Core	RP-72	
474	13.3.0	agreed	R4	MB_MSR_RF-Core	RP-72	
475	13.3.0	agreed	R4	LTE_MMSE_IRC_BS-Perf	RP-72	
476	13.3.0	agreed	R4	LTE_MTCe2_L1-Perf	RP-72	
477	13.3.0	agreed	R4	LTE_MTCe2_L1-Perf	RP-72	
478	13.3.0	agreed	R4	LTE_MTCe2_L1-Perf	RP-72	
479	13.3.0	agreed	R4	LTE_MMSE_IRC_BS-Perf	RP-72	
480	13.3.0	agreed	R4	LTE_FDD_2600_CA_B3-Perf	RP-72	
481	13.3.0	agreed	R4	LTE_LAA-Perf	RP-72	
482	13.1.0	agreed	R1	NB_IOT-Core	RP-72	
483	13.1.0	agreed	R1	LTE_EBF_FDMIMO-Core	RP-72	
484	13.1.0	agreed	R1	NB_IoT-Core	RP-72	
485	13.1.0	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
486	13.1.0	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
487	13.1.0	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
488	13.1.0	agreed	R1	LTE_LAA-Core	RP-72	
489	13.1.0	agreed	R1	LTE_EBF_FDMIMO-Core	RP-72	
490	13.1.0	agreed	R1	LTE_EBF_FDMIMO-Core	RP-72	
491	13.1.0	agreed	R1	LTE_LAA-Core	RP-72	
492	13.1.0	agreed	R1	LTE_EBF_FDMIMO-Core	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
493	13.1.0	agreed	R1	LTE_EBF_FDMIMO-Core	RP-72	
494	13.1.0	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
495	13.1.0	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
496	13.1.0	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
497	13.1.0	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
498	13.1.0	agreed	R1	LTE_EBF_FDMIMO-Core	RP-72	
499	13.1.0	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
500	13.1.0	agreed	R1	LTE_LAA-Core	RP-72	
501	13.1.0	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
502	13.1.0	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
503	13.1.0	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
504	13.1.0	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
505	13.1.0	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
506	13.1.0	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
507	13.1.0	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
508	13.1.0	agreed	R1	NB_IoT-Core	RP-72	
509	13.1.0	agreed	R1	LTE_CA_enh_b5C-Core	RP-72	
510	13.1.0	agreed	R1	LTE_EBF_FDMIMO-Core	RP-72	
511	13.1.0	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
512	13.1.0	agreed	R1	LTE_CA_enh_b5C-Core	RP-72	
513	13.1.0	agreed	R1	LTE_LAA-Core	RP-72	
514	13.1.0	agreed	R1	LTE_EBF_FDMIMO-Core	RP-72	
515	13.1.0	agreed	R1	LTE_LAA-Core	RP-72	
516	13.1.0	agreed	R1	LTE_CA_enh_b5C-Core	RP-72	
517	13.1.0	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
518	13.1.0	agreed	R1	LTE_EBF_FDMIMO-Core	RP-72	
519	13.1.0	agreed	R1	LTE_CA_enh_b5C-Core	RP-72	
520	13.1.0	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
521	13.1.0	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
522	13.1.0	agreed	R1	LTE_MTCe2_L1-Core	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
523	13.1.1	agreed	R1	LTE_CA_enh_b5C-Core	RP-72	
524	13.1.0	agreed	R1	LTE_EBF_FDMIMO-Core	RP-72	
525	13.1.1	agreed	R1	LTE_CA_enh_b5C-Core	RP-72	
526	13.1.1	agreed	R1	LTE_CA_enh_b5C-Core	RP-72	
527	13.1.0	agreed	R1	TEI12	RP-72	
528	12.9.0	agreed	R1	TEI12	RP-72	
529	13.1.1	agreed	R1	LTE_EBF_FDMIMO-Core	RP-72	
530	13.1.1	agreed	R1	LTE_CA_enh_b5C-Core	RP-72	
531	13.1.1	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
532	13.1.1	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
533	13.1.1	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
534	13.1.1	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
535	13.1.1	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
536	13.1.1	agreed	R1	LTE_CA_enh_b5C-Core	RP-72	
537	13.1.1	agreed	R1	LTE_CA_enh_b5C-Core	RP-72	
538	13.1.1	agreed	R1	TEI13, LTE-Phys	RP-72	
539	13.1.1	agreed	R1	LTE_LAA-Core	RP-72	
540	13.1.1	agreed	R1	LTE_LAA-Core	RP-72	
541	13.1.1	agreed	R1	LTE_LAA	RP-72	
542	13.1.1	revised	R1	LTE_LAA-Core	RP-72	wrong revision on CR cover
543	13.1.1	agreed	R1	LTE_LAA-Core	RP-72	
544	13.1.1	agreed	R1	LTE_EBF_FDMIMO-Core	RP-72	
545	13.1.1	agreed	R1	LTE_CA_enh_b5C-Core	RP-72	
546	13.1.1	agreed	R1	LTE_LAA-core	RP-72	
547	13.1.1	agreed	R1	LTE_CA_enh_b5C-Core	RP-72	
548	13.1.1	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
549	13.1.1	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
550	13.1.1	agreed	R1	LTE_MTCe2_L1-Core	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
551	13.1.1	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
552	13.1.1	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
553	13.1.1	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
554	13.1.1	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
555	13.1.1	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
556	13.1.1	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
557	13.1.1	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
558	13.1.1	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
559	13.1.1	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
560	13.1.1	agreed	R1	LTE_LAA-Core	RP-72	
561	13.1.1	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
562	13.1.1	agreed	R1	LTE_EBF_FDMIMO-Core	RP-72	
563	13.1.1	agreed	R1	LTE_LAA-Core	RP-72	
564	13.1.1	agreed	R1	LTE_LAA-Core	RP-72	
565	13.1.1	agreed	R1	LTE_LAA-Core	RP-72	
566	13.1.1	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
567	13.1.1	agreed	R1	LTE_SC_PTM-Core	RP-72	
568	13.1.1	agreed	R1	NB_IOT-Core	RP-72	
569	13.1.1	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
570	13.1.1	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
571	13.1.1	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
572	13.1.1	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
573	13.1.1	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
574	13.1.1	agreed	R1	LTE_EBF_FDMIMO-Core	RP-72	
575	13.1.1	agreed	R1	LTE_EBF_FDMIMO-Core	RP-72	
576	13.1.1	agreed	R1	TEI13	RP-72	
577	13.1.1	agreed	R1	LTE_MTCe2_L1-Core	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
578	13.1.1	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
579	13.1.1	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
580	13.1.1	agreed	R1	LTE_EBF_FDMIMO-Core	RP-72	
581	13.1.1	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
582	13.1.1	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
583	13.1.1	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
584	13.1.1	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
585	13.1.1	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
586	13.1.1	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
587	13.1.1	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
588	13.1.1	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
589	13.1.1	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
590	13.1.1	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
591	13.1.1	agreed	R1	LTE_SC_enh_dualC-Core, TEI13	RP-72	
592	13.1.1	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
593	13.1.1	agreed	R1	LTE_LAA-Core	RP-72	
594	13.1.1	agreed	R1	LTE_LAA-Core	RP-72	
595	13.1.1	agreed	R1	LTE_MTCe2_L1-Core	RP-72	
596	13.1.0	agreed	R1	NB_IoT-Core	RP-72	
597	13.3.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
598	13.3.0	agreed	R2	LTE_WLAN_radio-Core	RP-72	
599	13.3.0	agreed	R2	LTE_dualC_enh-Core	RP-72	
600	13.3.0	agreed	R2	LTE_eD2D_Prox-Core	RP-72	
601	13.3.0	agreed	R2	LTE_eD2D_Prox-Core	RP-72	
602	13.3.0	agreed	R2	LTE_WLAN_radio-Core	RP-72	
603	12.9.0	agreed	R2	LTE_D2D_Prox-Core	RP-72	
604	13.3.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
605	13.3.0	agreed	R2	LTE_WLAN_radio-Core	RP-72	
606	13.3.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
607	13.3.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
608	13.3.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
609	13.3.0	agreed	R2	LTE_WLAN_radio-Core	RP-72	
610	13.3.0	agreed	R2	NB_IOT-Core	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
611	13.3.0	agreed	R2	LTE_LAA-Core	RP-72	
612	13.3.0	agreed	R2	NB_IOT-Core, TEI13	RP-72	
613	13.3.0	agreed	R2	NB_IOT-Core	RP-72	
614	13.3.0	agreed	R2	LTE_WLAN_radio-Core	RP-72	
615	13.3.0	agreed	R2	LTE_WLAN_radio-Core	RP-72	
616	13.3.0	agreed	R2	LTE_WLAN_radio-Core	RP-72	
617	13.3.0	agreed	R2	DECOR-UTRA_LTE-Core	RP-72	
618	12.6.0	agreed	R2	LTE_SC_enh_L1-Core	RP-72	
619	13.1.0	agreed	R2	LTE_SC_enh_L1-Core	RP-72	
620	13.1.0	agreed	R2	LTE_eD2D_Prox-Core	RP-72	
621	13.1.0	agreed	R2	LTE_eD2D_Prox-Core	RP-72	
622	13.1.0	agreed	R2	LTE_SC_PTM-Core	RP-72	
623	13.1.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
624	13.1.0	agreed	R2	NB_IoT-Core	RP-72	
625	13.1.0	agreed	R2	LTE_eD2D_Prox-Core	RP-72	
626	12.7.0	agreed	R2	LTE_D2D_Prox-Core	RP-72	
627	13.1.0	agreed	R2	LTE_eD2D_Prox-Core	RP-72	
628	13.1.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
629	13.1.0	agreed	R2	LTE_MC_load-Core	RP-72	
630	13.1.0	agreed	R2	NB_IoT-Core	RP-72	
631	13.1.0	-	R2	NB_IOT-Core	RP-72	
632	13.1.0	agreed	R2	LTE_MC_load-Core	RP-72	
633	13.1.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
634	13.1.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
635	13.1.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
636	13.1.0	-	R2	LTE_extDRX-Core	RP-72	
637	13.1.0	agreed	R2	LTE_extDRX-Core	RP-72	
638	12.8.0	-	R2	LTE_SC_enh_L1-Core	RP-72	
639	13.1.0	-	R2	LTE_SC_enh_L1-Core	RP-72	
640	13.1.0	agreed	R2	TEI13	RP-72	
641	13.1.0	agreed	R2	LTE_WLAN_radio-Core	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
642	12.8.0	agreed	R2	LTE_CA-Core, LTE_SC_enh_L1-Core, TEI12	RP-72	
643	13.1.0	agreed	R2	LTE_CA-Core, LTE_SC_enh_L1-Core, TEI12	RP-72	
644	13.1.0	agreed	R2	LTE_CA-Core, TEI13	RP-72	
645	13.1.0	agreed	R2	LTE_CA-Core, TEI13	RP-72	
646	13.1.0	agreed	R2	LTE_WLAN_radio_legacy-Core	RP-72	
647	13.1.0	agreed	R2	LTE_EBF_FDMIMO-Core	RP-72	
648	13.1.0	agreed	R2	LTE_eD2D_Prox-Core	RP-72	
649	12.8.0	tech endorsed	R2	LTE-L23, TEI12	RP-72	
650	13.1.0	tech endorsed	R2	LTE-L23, TEI12	RP-72	
651	13.1.0	agreed	R2	LTE_SC_PTM-Core	RP-72	
652	13.1.0	agreed	R2	LTE_CA_enh_b5C-Core	RP-72	
653	13.1.0	agreed	R2	NB_IoT-Core	RP-72	
654	13.1.0	agreed	R2	LTE_CA_enh_b5C-Core	RP-72	
655	13.1.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
656	13.1.0	agreed	R2	TEI13	RP-72	
657	13.1.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
658	8.14.0	agreed	R4	TEI8	RP-72	
659	9.16.0	agreed	R4	TEI9	RP-72	
660	10.18.0	agreed	R4	TEI10, LTE_4Rx_AP_DL	RP-72	
661	11.15.0	agreed	R4	TEI11, LTE_4Rx_AP_DL	RP-72	
662	12.11.0	agreed	R4	TEI12, LTE_4Rx_AP_DL	RP-72	
663	13.3.0	agreed	R4	TEI13, LTE_4Rx_AP_DL	RP-72	
664	12.11.0	agreed	R4	TEI12	RP-72	
665	13.3.0	agreed	R4	TEI13	RP-72	
666	13.1.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
667	13.1.0	agreed	R2	LTE_eD2D_Prox-Core	RP-72	
668	13.1.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
669	13.1.0	agreed	R2	TEI13	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
670	13.1.0	agreed	R2	LTE_eD2D_Prox-Core	RP-72	
671	13.1.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
672	13.1.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
673	13.1.0	agreed	R2	LTE_eD2D_Prox-Core	RP-72	
674	13.1.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
675	13.1.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
676	13.1.0	agreed	R2	LTE_SC_PTM-Core	RP-72	
677	13.1.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
678	13.1.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
679	13.1.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
680	13.1.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
681	13.1.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
682	13.1.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
683	13.1.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
684	13.1.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
685	13.1.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
686	13.1.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
687	13.1.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
688	13.1.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
689	13.1.0	agreed	R2	TEI13	RP-72	
690	13.1.0	agreed	R2	NB_IoT-Core	RP-72	
691	13.1.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
692	13.1.0	agreed	R2	LTE_EBF_FDMIMO-Core	RP-72	
693	13.1.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
694	12.3.0	agreed	R2	LTE_D2D_Prox-Core	RP-72	
695	13.1.0	agreed	R2	LTE_D2D_Prox-Core	RP-72	
696	13.1.0	agreed	R2	NB-IOT-Core	RP-72	
697	13.1.0	agreed	R2	LTE_WLAN_radio-Core	RP-72	
698	12.5.0	agreed	R2	LTE_SC_enh_dualC-Core	RP-72	
699	13.1.0	agreed	R2	LTE_SC_enh_dualC-Core	RP-72	
700	13.1.0	agreed	R2	LTE_eD2D_Prox-Core	RP-72	
701	12.5.0	agreed	R2	LTE_D2D_Prox-Core	RP-72	
702	13.1.0	agreed	R2	LTE_D2D_Prox-Core	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
703	13.1.0	agreed	R2	LTE_WLAN_radio-Core	RP-72	
704	13.1.0	agreed	R2	LTE_WLAN_radio-Core	RP-72	
705	13.1.0	agreed	R2	NB_IoT-Core	RP-72	
706	13.1.0	-	R2	NB_IOT-Core	RP-72	
707	13.1.0	agreed	R2	TEI13	RP-72	
708	13.1.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
709	13.1.0	agreed	R2	TEI13	RP-72	
710	13.1.0	agreed	R2	LTE_CA_enh_b5C-Core, , LTE_WLAN_radio-Core	RP-72	
711	13.1.0	agreed	R2	LTE_SC_PTM-Core	RP-72	
712	13.1.0	agreed	R2	LTE_CA-Core, TEI13, LTE_CA_enh_b5C-Core	RP-72	
713	12.9.0	agreed	R2	LTE-L23, TEI12	RP-72	
714	13.1.0	agreed	R2	LTE-L23, TEI12	RP-72	
715	13.1.0	agreed	R2	LTE_eD2D_Prox-Core	RP-72	
716	13.1.0	agreed	R2	LTE_eD2D_Prox-Core	RP-72	
717	12.9.0	agreed	R2	LTE_D2D_Prox-Core	RP-72	
718	12.9.0	agreed	R2	LTE_D2D_Prox-Core	RP-72	
719	13.1.0	agreed	R2	LTE_eD2D_Prox-Core	RP-72	
720	13.1.0	agreed	R2	LTE_WLAN_radio-Core	RP-72	
721	13.1.0	agreed	R2	LTE_WLAN_radio_legacy-Core	RP-72	
722	13.1.0	agreed	R2	LTE_eD2D_Prox-Core	RP-72	
723	13.1.0	agreed	R2	LTE_WLAN_radio-Core	RP-72	
724	13.1.0	agreed	R2	LTE_WLAN_radio-Core, LTE_WLAN_radio_legacy-Core	RP-72	
725	13.1.0	agreed	R2	LTE_EBF_FDMIMO-Core	RP-72	
726	11.15.0	agreed	R2	SPIA_IDC_LTE-Core	RP-72	
727	12.9.0	agreed	R2	SPIA_IDC_LTE-Core	RP-72	
728	13.1.0	agreed	R2	SPIA_IDC_LTE-Core	RP-72	
729	13.1.0	agreed	R2	LTE_EBF_FDMIMO-Core	RP-72	
730	13.1.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
731	13.1.0	agreed	R2	LTE_WLAN_radio-Core	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
732	13.1.0	agreed	R2	LTE_WLAN_radio-Core	RP-72	
733	13.1.0	agreed	R2	LTE_WLAN_radio-Core	RP-72	
734	13.1.0	agreed	R2	LTE_WLAN_radio-Core	RP-72	
735	13.1.0	agreed	R2	LTE_WLAN_radio-Core	RP-72	
736	13.1.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
737	13.1.0	agreed	R2	LTE_IM_DLCCH-Perf	RP-72	
738	12.9.0	agreed	R2	LTE_SC_enh_dualC-Core	RP-72	
739	13.1.0	agreed	R2	LTE_SC_enh_dualC-Core	RP-72	
740	12.9.0	tech endorsed	R2	LTE-L23, TEI12	RP-72	
741	13.1.0	tech endorsed	R2	LTE-L23, TEI12	RP-72	
742	13.1.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
743	13.1.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
744	13.1.0	agreed	R2	LTE_eD2D_Prox-Core	RP-72	wrong CR number on CR cover
745	13.1.0	agreed	R2	LTE_WLAN_radio-Core	RP-72	
746	13.1.0	agreed	R2	LTE_WLAN_radio-Core	RP-72	
747	13.1.0	agreed	R2	eICIC_enh_LTE-Core, TEI13	RP-72	
748	13.1.0	agreed	R2	LTE_MC_Load-Core	RP-72	
749	13.1.0	agreed	R2	LTE_eD2D_Prox-Core	RP-72	
750	13.1.0	agreed	R2	LTE_WLAN_radio-Core	RP-72	
751	13.1.0	agreed	R2	LTE_WLAN_radio-Core	RP-72	
752	13.1.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
753	13.1.0	agreed	R2	LTE_WLAN_radio-Core	RP-72	
754	13.1.0	agreed	R2	TEI13	RP-72	
755	13.1.0	agreed	R2	TEI13	RP-72	
756	13.1.0	agreed	R2	LTE_SC_PTM-Core	RP-72	
757	13.1.0	agreed	R2	LTE_SC_PTM-Core	RP-72	
758	13.1.0	agreed	R2	LTE_CA_enh_b5C-Core	RP-72	
759	13.1.0	agreed	R2	LTE_MC_load-Core	RP-72	
760	13.1.0	agreed	R2	LTE_UL64QAM-Core	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
761	13.1.0	agreed	R2	LTE_extDRX-Core	RP-72	
762	13.1.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
763	13.1.0	agreed	R2	LTE_WLAN_radio-Core	RP-72	
764	13.1.0	agreed	R2	TEI13	RP-72	
765	13.1.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
766	13.1.0	agreed	R2	LTE_CA_enh_b5C-Core	RP-72	
767	13.1.0	agreed	R2	LTE_CA_enh_b5C-Core	RP-72	
768	13.1.0	agreed	R2	LTE_eD2D_Prox-Core	RP-72	
769	13.1.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
770	13.1.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
771	13.1.0	agreed	R2	TEI13	RP-72	
772	13.1.0	agreed	R2	LTE_EBF_FDMIMO-Core	RP-72	
773	13.1.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
774	13.1.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
775	13.1.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
776	13.1.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
777	13.1.0	agreed	R2	TEI13	RP-72	
778	13.1.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
779	13.1.0	agreed	R2	LTE_WLAN_radio-Core	RP-72	
780	12.9.0	agreed	R2	TEI12	RP-72	
781	13.1.0	agreed	R2	TEI12	RP-72	
782	13.1.0	agreed	R2	LTE_dualC_ext-Core	RP-72	
783	13.1.0	agreed	R2	LTE_WLAN_radio-Core	RP-72	
784	13.1.0	agreed	R2	LTE_WLAN_radio-Core	RP-72	
785	13.1.0	agreed	R2	LTE_WLAN_radio-Core	RP-72	
786	13.1.0	agreed	R2	LTE_dualC_ext-Core	RP-72	
787	13.1.0	agreed	R2	TEI13	RP-72	
788	13.1.0	agreed	R2	NB_IoT-Core	RP-72	
789	13.1.0	-	R2	NB_IOT-Core	RP-72	
790	13.1.0	-	R2	NB_IOT-Core	RP-72	
791	13.1.0	agreed	R2	ACDC-RAN-Core	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
792	13.1.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
793	13.1.0	agreed	R2	LTE_MC_load-Core	RP-72	
794	13.1.0	agreed	R2	LTE_MC_load-Core	RP-72	
795	13.1.0	agreed	R2	LTE_WLAN_radio_legacy-Core	RP-72	
796	13.1.0	agreed	R2	LTE_MTCe2_L1-Core	RP-72	
797	13.1.0	agreed	R2	LTE_CA_enh_b5C-Core	RP-72	
798	13.1.0	-	R2	LTE_MTCe2_L1-Core	RP-72	
799	13.1.0	-	R2	LTE_MTCe2_L1-Core	RP-72	
800	13.0.0	agreed	R2	LTE_WLAN_radio_legacy-Core	RP-72	
801	13.1.0	agreed	R3	NB_IOT-Core	RP-72	
802	13.2.0	agreed	R3	NB_IOT-Core, TEI13	RP-72	
803	13.2.0	agreed	R3	NB_IOT-Core	RP-72	
804	13.2.0	agreed	R3	NB_IOT-Core, TEI13	RP-72	
805	13.2.0	agreed	R3	TEI13	RP-72	
806	13.2.0	agreed	R3	NB_IOT-Core, TEI13	RP-72	
807	13.2.0	-	R3	LTE_extDRX-Core	RP-72	
808	13.2.0	agreed	R3	LTE_extDRX-Core, LTE_MTCe2_L1-Core	RP-72	
809	13.2.0	-	R3	LTE_extDRX-Core	RP-72	
810	13.2.0	agreed	R3	RSE-RAN_LTE-Core	RP-72	
811	13.2.0	agreed	R3	LTE_extDRX-Core	RP-72	
812	13.3.0	agreed	R3	NB_IOT-Core, TEI-13	RP-72	
813	13.3.0	agreed	R3	TEI13	RP-72	
814	13.3.0	agreed	R3	TEI13	RP-72	
815	13.3.0	agreed	R3	TEI13	RP-72	
816	12.8.0	agreed	R3	LTE_SC_enh_dualC	RP-72	
817	13.3.0	agreed	R3	COMP_LTE_IeNB_sig-Core	RP-72	
818	13.0.0	agreed	R3	TEI13	RP-72	
819	13.0.0	agreed	R3	LTE_WLAN_radio-Core	RP-72	
820	13.0.0	agreed	R3	LTE_WLAN_radio-Core	RP-72	
821	13.0.0	agreed	R3	LTE_WLAN_radio-Core	RP-72	
822	13.0.0	agreed	R3	LTE_WLAN_radio-Core	RP-72	
823	13.0.0	agreed	R3	LTE_WLAN_radio-Core	RP-72	
824	13.0.0	agreed	R3	TEI13	RP-72	
825	13.0.0	agreed	R3	LTE_WLAN_radio-Core	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
826	13.0.0	agreed	R3	LTE_WLAN_radio-Core	RP-72	
827	13.0.0	agreed	R3	LTE_WLAN_radio-Core	RP-72	
828	13.0.0	agreed	R3	TEI13, LTE_WLAN_radio-Core	RP-72	
829	13.0.0	agreed	R3	TEI13, LTE_WLAN_radio	RP-72	
830	13.0.0	agreed	R3	TEI13, LTE_WLAN_radio	RP-72	
831	12.9.0	agreed	R5	LTE_D2D_Prox-UEConTest	RP-72	
832	12.9.0	agreed	R5	TEI8_Test	RP-72	
833	12.9.0	agreed	R5	LTE_SC_enh_dualC-UEConTest	RP-72	
834	12.9.0	agreed	R5	LTE_SC_enh_dualC-UEConTest	RP-72	wrong revision on CR cover
835	12.9.0	agreed	R5	LTE_eDRX-UEConTest	RP-72	
836	12.9.0	agreed	R5	LTE_D2D_Prox-UEConTest	RP-72	
837	12.9.0	agreed	R5	LTE_D2D_Prox-UEConTest	RP-72	
838	12.9.0	agreed	R5	MTSI_WLAN-UEConTest	RP-72	
839	12.9.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
840	12.9.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
841	12.9.0	agreed	R5	TEI12_Test	RP-72	
842	12.9.0	agreed	R5	LTE_SC_enh_dualC-UEConTest	RP-72	
843	12.9.0	agreed	R5	TEI8_Test	RP-72	
844	12.9.0	agreed	R5	LTE_AWS_EXT-UEConTest	RP-72	
845	12.9.0	agreed	R5	TEI12_Test	RP-72	
846	12.9.0	agreed	R5	LTE_SC_enh_dualC-UEConTest	RP-72	
847	12.9.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
848	12.9.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
849	12.9.0	agreed	R5	LTE_LAA-UEConTest	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
850	12.9.0	agreed	R5	LTE_SC_PTM-UEConTest	RP-72	
851	12.9.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
852	12.9.0	agreed	R5	TEI12_Test	RP-72	
853	12.9.0	agreed	R5	TEI12_Test	RP-72	
854	12.9.0	agreed	R5	LTE_D2D_Prox-UEConTest	RP-72	
855	12.9.0	agreed	R5	LTE_D2D_Prox-UEConTest	RP-72	
856	12.9.0	agreed	R5	LTE_D2D_Prox-UEConTest	RP-72	
857	12.9.0	agreed	R5	LTE_D2D_Prox-UEConTest	RP-72	
858	12.9.0	agreed	R5	LTE_D2D_Prox-UEConTest	RP-72	
859	12.9.0	agreed	R5	LTE_TDD_eIMTA-UEConTest	RP-72	
860	12.9.0	agreed	R5	LTE_MTCe2_L1-UEConTest	RP-72	
861	12.9.0	agreed	R5	LTE_1980_2170_REG1_REG3-UEConTest	RP-72	
862	12.9.0	agreed	R5	LTE_1980_2170_REG1_REG3-UEConTest	RP-72	
863	12.9.0	agreed	R5	TEI9_Test	RP-72	
864	12.9.0	agreed	R5	TEI8_Test	RP-72	
865	12.9.0	agreed	R5	TEI12_Test	RP-72	wrong revision on CR cover
866	12.9.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
867	12.9.0	agreed	R5	LTE_CA_Rel12_2UL-UEConTest	RP-72	
868	12.3.0	agreed	R5	TEI12_Test	RP-72	
869	12.3.0	agreed	R5	LTE_D2D_Prox-UEConTest	RP-72	
870	12.3.0	agreed	R5	TEI12_Test	RP-72	
871	12.3.0	agreed	R5	LTE_D2D_Prox-UEConTest	RP-72	
872	12.3.0	agreed	R5	LTE_SC_PTM-UEConTest	RP-72	
873	12.3.0	agreed	R5	LTE_D2D_Prox-UEConTest	RP-72	
874	13.1.0	agreed	R5	LTE_NAICS-UEConTest	RP-72	
875	13.1.0	agreed	R5	LTE_NAICS-UEConTest	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
876	13.1.0	agreed	R5	LTE_NAICS-UEConTest	RP-72	
877	13.1.0	agreed	R5	LTE_4Rx_AP_DL-UEConTest	RP-72	
878	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
879	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
880	13.1.0	agreed	R5	LTE_CA_Rel12_2UL-UEConTest	RP-72	
881	13.1.0	agreed	R5	LTE_CA_Rel12_2UL-UEConTest	RP-72	
882	13.1.0	agreed	R5	TEI10_Test	RP-72	
883	13.1.0	agreed	R5	TEI11_Test, LTE_CA_Rel12_3DL-UEConTest	RP-72	
884	13.1.0	agreed	R5	LC_MTC_LTE-UEConTest	RP-72	
885	13.1.0	agreed	R5	LC_MTC_LTE-UEConTest	RP-72	
886	13.1.0	agreed	R5	LTE_4Rx_AP_DL-UEConTest	RP-72	
887	13.1.0	agreed	R5	LTE_4Rx_AP_DL-UEConTest	RP-72	
888	13.1.0	agreed	R5	LC_MTC_LTE-UEConTest	RP-72	
889	13.1.0	agreed	R5	TEI8_Test	RP-72	
890	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
891	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
892	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
893	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
894	13.1.0	agreed	R5	TEI13_Test, LTE_UL64QAM-UEConTest	RP-72	
895	13.1.0	agreed	R5	TEI13_Test, LTE_UL64QAM-UEConTest	RP-72	
896	13.1.0	agreed	R5	TEI13_Test, LTE_UL64QAM-UEConTest	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
897	13.1.0	agreed	R5	TEI13_Test, LTE_UL64QAM-UEConTest	RP-72	
898	13.1.0	agreed	R5	TEI13_Test, LTE_UL64QAM-UEConTest	RP-72	
899	13.1.0	agreed	R5	TEI13_Test, LTE_UL64QAM-UEConTest	RP-72	
900	13.1.0	agreed	R5	TEI13_Test, LTE_UL64QAM-UEConTest	RP-72	
901	13.1.0	agreed	R5	TEI11_Test	RP-72	
902	13.1.0	agreed	R5	TEI11_Test	RP-72	
903	13.1.0	agreed	R5	TEI8_Test	RP-72	
904	13.1.0	agreed	R5	TEI13_Test, LTE_UL64QAM-UEConTest	RP-72	wrong revision on CR cover
905	13.1.0	agreed	R5	TEI13_Test, LTE_UL64QAM-UEConTest	RP-72	
906	13.1.0	agreed	R5	LTE_4Rx_AP_DL-UEConTest	RP-72	
907	13.1.0	agreed	R5	LTE_4Rx_AP_DL-UEConTest	RP-72	
908	13.1.0	agreed	R5	LTE_4Rx_AP_DL-UEConTest	RP-72	
909	13.1.0	agreed	R5	LTE_4Rx_AP_DL-UEConTest	RP-72	
910	13.1.0	agreed	R5	LTE_4Rx_AP_DL-UEConTest	RP-72	wrong CR number on CR cover
911	13.1.0	agreed	R5	LTE_D2D_Prox-UEConTest	RP-72	
912	13.1.0	agreed	R5	LTE_D2D_Prox-UEConTest	RP-72	
913	13.1.0	agreed	R5	LTE_D2D_Prox-UEConTest	RP-72	wrong CR number on CR cover
914	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
915	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	wrong revision on CR cover
916	13.1.0	agreed	R5	LTE_D2D_Prox-UEConTest	RP-72	
917	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
918	13.1.0	agreed	R5	LTE_D2D_Prox-UEConTest	RP-72	
919	13.1.0	agreed	R5	LTE_D2D_Prox-UEConTest	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
920	13.1.0	agreed	R5	LTE_CA_Rel12_2UL-UEConTest	RP-72	
921	13.1.0	agreed	R5	LTE_4Rx_AP_DL-UEConTest	RP-72	
922	13.1.0	agreed	R5	LTE_4Rx_AP_DL-UEConTest	RP-72	
923	13.1.0	agreed	R5	LTE_4Rx_AP_DL-UEConTest	RP-72	
924	13.1.0	agreed	R5	LTE_4Rx_AP_DL-UEConTest	RP-72	
925	13.1.0	agreed	R5	LTE_CA_Rel12_2UL-UEConTest	RP-72	
926	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
927	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
928	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
929	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
930	13.1.0	agreed	R5	LTE_MTCe2_L1-UEConTest	RP-72	
931	13.1.0	agreed	R5	LTE_MTCe2_L1-UEConTest	RP-72	
932	13.1.0	agreed	R5	LTE_NAICS-UEConTest	RP-72	
933	13.1.0	agreed	R5	LTE_NAICS-UEConTest	RP-72	wrong CR and Tdoc number on CR cover
934	13.1.0	agreed	R5	LTE_SC_enh_L1-UEConTest	RP-72	
935	13.1.0	agreed	R5	LTE_SC_enh_L1-UEConTest	RP-72	
936	13.1.0	agreed	R5	TEI12_Test	RP-72	
937	13.1.0	agreed	R5	TEI10_Test	RP-72	
938	13.1.0	agreed	R5	TEI12_Test	RP-72	
939	13.1.0	agreed	R5	LTE_SC_enh_dualC-UEConTest	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
940	13.1.0	agreed	R5	LTE_SC_enh_dualC-UEConTest	RP-72	
941	13.1.0	agreed	R5	LTE_SC_enh_dualC-UEConTest	RP-72	
942	13.1.0	agreed	R5	LTE_4Rx_AP_DL-UEConTest	RP-72	
943	13.1.0	agreed	R5	LTE_4Rx_AP_DL-UEConTest	RP-72	
944	13.1.0	agreed	R5	LTE_4Rx_AP_DL-UEConTest	RP-72	
945	13.1.0	agreed	R5	LTE_4Rx_AP_DL-UEConTest	RP-72	
946	13.1.0	agreed	R5	LTE_4Rx_AP_DL-UEConTest	RP-72	
947	13.1.0	agreed	R5	LTE_4Rx_AP_DL-UEConTest	RP-72	
948	13.1.0	agreed	R5	LTE_SC_enh_dualC-UEConTest	RP-72	
949	13.1.0	agreed	R5	LTE_D2D_Prox-UEConTest	RP-72	
950	13.1.0	agreed	R5	LTE_D2D_Prox-UEConTest	RP-72	
951	13.1.0	agreed	R5	LTE_D2D_Prox-UEConTest	RP-72	
952	13.1.0	agreed	R5	LTE_D2D_Prox-UEConTest	RP-72	
953	13.1.0	agreed	R5	LTE_CA_Rel12_2UL-UEConTest	RP-72	wrong Tdoc number on CR cover
954	13.1.0	agreed	R5	LTE_CA_Rel12_2UL-UEConTest	RP-72	
955	13.1.0	agreed	R5	TEI10_Test	RP-72	
956	13.1.0	agreed	R5	TEI13_Test, LTE_UL64QAM-UEConTest	RP-72	
957	13.1.0	agreed	R5	TEI10_Test	RP-72	
958	13.1.0	agreed	R5	TEI12_Test, LTE_CA_Rel12_3DL-UEConTest	RP-72	
959	13.1.0	agreed	R5	TEI12_Test, LTE_CA_Rel12_3DL-UEConTest	RP-72	
960	13.1.0	agreed	R5	LTE_SC_enh_L1-UEConTest	RP-72	
961	13.1.0	agreed	R5	TEI10_Test	RP-72	
962	13.1.0	agreed	R5	LTE_AWS_EXT-UEConTest	RP-72	
963	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
964	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
965	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
966	13.1.0	revised	R5	LTE_CA_Rel12_2UL-UEConTest	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
967	13.1.0	agreed	R5	LTE_CA_Rel12_2UL-UEConTest	RP-72	
968	13.1.0	agreed	R5	LTE_TDD_1447MHz_China -UEConTest	RP-72	
969	13.1.0	agreed	R5	LTE_TDD_1447MHz_China -UEConTest	RP-72	
970	13.1.0	agreed	R5	LTE_TDD_1447MHz_China -UEConTest	RP-72	
971	13.1.0	agreed	R5	LTE_TDD_1447MHz_China -UEConTest	RP-72	
972	13.1.0	agreed	R5	LTE_TDD_1447MHz_China -UEConTest	RP-72	
973	13.1.0	agreed	R5	LTE_TDD_1447MHz_China -UEConTest	RP-72	
974	13.1.0	agreed	R5	LTE_TDD_1447MHz_China -UEConTest	RP-72	
975	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
976	13.1.0	agreed	R5	LTE_SC_enh_dualC-UEConTest	RP-72	
977	13.1.0	agreed	R5	LTE_SC_enh_dualC-UEConTest	RP-72	
978	13.1.0	agreed	R5	LTE_CA_Rel12_2UL-UEConTest	RP-72	
979	13.1.0	agreed	R5	LTE_CA_Rel12_2UL-UEConTest	RP-72	
980	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
981	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
982	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
983	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
984	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
985	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
986	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
987	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
988	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
989	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
990	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
991	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
992	13.1.0	agreed	R5	TEI13_Test, , LTE_UL64QAM-UEConTest	RP-72	
993	13.1.0	agreed	R5	LTE_CA_Rel12_2UL-UEConTest	RP-72	
994	13.1.0	agreed	R5	LTE_CA_Rel12_2UL-UEConTest	RP-72	
995	13.1.0	agreed	R5	LTE_AWS_EXT-UEConTest	RP-72	
996	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
997	13.1.0	agreed	R5	TEI10_Test	RP-72	
998	13.1.0	agreed	R5	TEI8_Test	RP-72	
999	13.1.0	agreed	R5	TEI8_Test	RP-72	different spec on CR cover
1000	13.1.0	agreed	R5	TEI10_Test	RP-72	
1001	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
1002	13.1.0	agreed	R5	TEI10_Test	RP-72	
1003	13.1.0	agreed	R5	TEI12_Test	RP-72	
1004	13.1.0	agreed	R5	TEI12_Test	RP-72	
1005	13.1.0	agreed	R5	TEI8_Test	RP-72	
1006	13.1.0	agreed	R5	TEI12_Test	RP-72	
1007	13.1.0	agreed	R5	TEI12_Test	RP-72	
1008	13.1.0	agreed	R5	LTE_4Rx_AP_DL-UEConTest	RP-72	
1009	13.1.0	agreed	R5	LTE_4Rx_AP_DL-UEConTest	RP-72	
1010	13.1.0	agreed	R5	LTE_4Rx_AP_DL-UEConTest	RP-72	
1011	13.1.0	agreed	R5	LC_MTC_LTE-UEConTest	RP-72	
1012	13.1.0	agreed	R5	LC_MTC_LTE-UEConTest	RP-72	
1013	13.1.0	agreed	R5	LC_MTC_LTE-UEConTest	RP-72	
1014	13.1.0	agreed	R5	LTE_CA_Rel12_2UL-UEConTest	RP-72	

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1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
1015	13.1.0	agreed	R5	LTE_CA_Rel12_2UL-UEConTest	RP-72	
1016	13.1.0	agreed	R5	TEI12_Test	RP-72	
1017	13.1.0	agreed	R5	TEI8_Test	RP-72	
1018	13.1.0	agreed	R5	TEI10_Test	RP-72	
1019	13.1.0	agreed	R5	TEI10_Test	RP-72	
1020	13.1.0	agreed	R5	TEI11_Test	RP-72	
1021	13.1.0	agreed	R5	TEI12_Test	RP-72	
1022	13.1.0	agreed	R5	TEI10_Test	RP-72	
1023	13.1.0	agreed	R5	TEI11_Test	RP-72	
1024	13.1.0	agreed	R5	TEI10_Test	RP-72	
1025	13.1.0	agreed	R5	TEI12_Test	RP-72	
1026	13.1.0	agreed	R5	TEI12_Test	RP-72	
1027	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
1028	13.1.0	agreed	R5	LTE_MTCe2_L1-UEConTest	RP-72	
1029	13.1.0	agreed	R5	LTE_CA_Rel12_2UL-UEConTest	RP-72	wrong revision on CR cover
1030	13.1.0	agreed	R5	LTE_CA_Rel12_2UL-UEConTest	RP-72	
1031	13.1.0	agreed	R5	LTE_1980_2170_REG1_REG3-UEConTest	RP-72	
1032	13.1.0	agreed	R5	LTE_1980_2170_REG1_REG3-UEConTest	RP-72	
1033	13.1.0	agreed	R5	LTE_1980_2170_REG1_REG3-UEConTest	RP-72	
1034	13.1.0	agreed	R5	LTE_1980_2170_REG1_REG3-UEConTest	RP-72	
1035	13.1.0	agreed	R5	LTE_MTCe2_L1-UEConTest	RP-72	wrong revision on CR cover
1036	13.1.0	agreed	R5	LTE_MTCe2_L1-UEConTest	RP-72	
1037	13.1.0	agreed	R5	LTE_MTCe2_L1-UEConTest	RP-72	
1038	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	wrong revision on CR cover
1039	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	wrong revision on CR cover
1040	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
1041	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	wrong revision on CR cover
1042	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	wrong revision on CR cover
1043	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	wrong revision on CR cover
1044	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	wrong revision on CR cover
1045	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
1046	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	wrong revision on CR cover
1047	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	wrong revision on CR cover
1048	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
1049	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
1050	13.1.0	agreed	R5	LTE_D2D_Prox-UEConTest	RP-72	
1051	13.1.0	agreed	R5	LTE_D2D_Prox-UEConTest	RP-72	
1052	13.1.0	agreed	R5	LTE_CA_Rel12_2UL-UEConTest	RP-72	
1053	13.1.0	agreed	R5	LTE_CA_Rel12_2UL-UEConTest	RP-72	wrong revision on CR cover
1054	13.1.0	agreed	R5	TEI10_Test	RP-72	
1055	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
1056	13.1.0	agreed	R5	LTE_CA_Rel12_2UL-UEConTest	RP-72	
1057	13.1.0	agreed	R5	LTE_CA_Rel12_2UL-UEConTest	RP-72	
1058	13.1.0	agreed	R5	LTE_AWS_EXT-UEConTest	RP-72	
1059	13.1.0	agreed	R5	LTE_4Rx_AP_DL-UEConTest	RP-72	
1060	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
1061	13.1.0	agreed	R5	LTE_CA_Rel12_2UL-UEConTest	RP-72	
1062	13.1.0	agreed	R5	LC_MTC_LTE-UEConTest	RP-72	
1063	13.1.0	agreed	R5	LTE_4Rx_AP_DL-UEConTest	RP-72	
1064	13.1.0	agreed	R5	TEI13_Test, LTE_UL64QAM-UEConTest	RP-72	
1065	13.1.0	agreed	R5	LTE_D2D_Prox-UEConTest	RP-72	
1066	13.1.0	agreed	R5	LTE_4Rx_AP_DL-UEConTest	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
1067	13.1.0	agreed	R5	LTE_4Rx_AP_DL-UEConTest	RP-72	
1068	13.1.0	agreed	R5	LTE_4Rx_AP_DL-UEConTest	RP-72	
1069	13.1.0	agreed	R5	LTE_4Rx_AP_DL-UEConTest	RP-72	
1070	13.1.0	agreed	R5	TEI9_Test	RP-72	
1071	13.1.0	agreed	R5	LTE_NAICS-UEConTest	RP-72	
1072	13.1.0	agreed	R5	TEI10_Test	RP-72	
1073	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
1074	13.1.0	agreed	R5	TEI12_Test	RP-72	
1075	13.1.0	agreed	R5	TEI11_Test	RP-72	
1076	13.1.0	agreed	R5	TEI11_Test	RP-72	
1077	13.1.0	agreed	R5	LTE_CA_Rel12_2UL-UEConTest	RP-72	
1078	13.1.0	agreed	R5	LTE_SC_enh_L1-UEConTest	RP-72	
1079	12.8.0	agreed	R5	TEI8_Test	RP-72	
1080	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
1081	13.1.0	agreed	R5	TEI12_Test, LTE_CA_Rel12_3DL-UEConTest	RP-72	
1082	13.1.0	agreed	R5	TEI12_Test	RP-72	
1083	13.1.0	agreed	R5	TEI10_Test	RP-72	
1084	13.1.0	agreed	R5	LTE_4Rx_AP_DL-UEConTest	RP-72	
1085	13.1.0	agreed	R5	LTE_CA_Rel12_2UL-UEConTest	RP-72	
1086	13.1.0	agreed	R5	TEI12_Test	RP-72	
1087	13.1.0	agreed	R5	LTE_1980_2170_REG1_REG3-UEConTest	RP-72	
1088	13.1.0	agreed	R5	LTE_SC_enh_dualC-UEConTest	RP-72	
1089	13.1.0	agreed	R5	LTE_MTCe2_L1-UEConTest	RP-72	
1090	13.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
1091	12.9.0	agreed	R5	LC_MTC_LTE-UEConTest	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
1092	12.9.0	agreed	R5	TEI8_Test	RP-72	
1093	12.9.0	agreed	R5	LTE_D2D_Prox-UEConTest	RP-72	
1094	12.9.0	agreed	R5	LTE_D2D_Prox-UEConTest	RP-72	different spec on CR cover
1095	12.9.0	agreed	R5	TEI12_Test	RP-72	
1096	12.9.0	agreed	R5	LTE_SC_enh_dualC-UEConTest	RP-72	
1097	12.9.0	agreed	R5	LTE_SC_enh_dualC-UEConTest	RP-72	
1098	12.9.0	agreed	R5	LTE_SC_enh_dualC-UEConTest	RP-72	
1099	12.9.0	agreed	R5	LC_MTC_LTE-UEConTest	RP-72	
1100	12.9.0	agreed	R5	LC_MTC_LTE-UEConTest	RP-72	
1101	12.9.0	agreed	R5	LC_MTC_LTE-UEConTest	RP-72	
1102	12.9.0	agreed	R5	TEI11_Test	RP-72	
1103	12.9.0	agreed	R5	TEI12_Test	RP-72	
1104	12.9.0	agreed	R5	TEI12_Test	RP-72	
1105	12.9.0	agreed	R5	TEI12_Test	RP-72	
1106	12.9.0	agreed	R5	LTE_D2D_Prox-UEConTest	RP-72	
1107	12.9.0	agreed	R5	LTE_D2D_Prox-UEConTest	RP-72	
1108	12.9.0	agreed	R5	LTE_SC_enh_L1-UEConTest	RP-72	
1109	12.9.0	agreed	R5	LTE_SC_enh_L1-UEConTest	RP-72	
1110	12.9.0	agreed	R5	LTE_SC_enh_L1-UEConTest	RP-72	
1111	12.9.0	agreed	R5	TEI12_Test, LTE_CA_Rel12_3DL-UEConTest	RP-72	
1112	12.9.0	agreed	R5	LTE_SC_enh_L1-UEConTest	RP-72	
1113	12.9.0	agreed	R5	LTE_SC_enh_L1-UEConTest	RP-72	
1114	12.9.0	agreed	R5	LTE_SC_enh_L1-UEConTest	RP-72	
1115	12.9.0	agreed	R5	LTE_SC_enh_dualC-UEConTest	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
1116	12.9.0	agreed	R5	TEI12_Test	RP-72	
1117	12.9.0	agreed	R5	TEI12_Test	RP-72	
1118	12.9.0	agreed	R5	LTE_AWS_EXT-UEConTest	RP-72	
1119	12.9.0	agreed	R5	LTE_AWS_EXT-UEConTest	RP-72	
1120	12.9.0	agreed	R5	LTE_AWS_EXT-UEConTest	RP-72	
1121	12.9.0	agreed	R5	LTE_AWS_EXT-UEConTest	RP-72	
1122	12.9.0	agreed	R5	TEI8_Test	RP-72	
1123	12.9.0	agreed	R5	LTE_SC_enh_dualC-UEConTest	RP-72	
1124	12.9.0	agreed	R5	LTE_SC_enh_dualC-UEConTest	RP-72	
1125	12.9.0	agreed	R5	LTE_SC_enh_L1-UEConTest	RP-72	
1126	12.9.0	agreed	R5	LTE_SC_enh_L1-UEConTest	RP-72	
1127	12.9.0	agreed	R5	LTE_SC_enh_L1-UEConTest	RP-72	
1128	12.9.0	agreed	R5	TEI10_Test	RP-72	
1129	12.9.0	agreed	R5	TEI10_Test	RP-72	
1130	12.9.0	agreed	R5	TEI10_Test	RP-72	
1131	12.9.0	agreed	R5	TEI10_Test	RP-72	
1132	12.9.0	agreed	R5	TEI10_Test	RP-72	
1133	12.9.0	agreed	R5	LTE_SC_enh_dualC-UEConTest	RP-72	
1134	12.9.0	agreed	R5	LTE_SC_enh_dualC-UEConTest	RP-72	
1135	12.9.0	agreed	R5	LTE_SC_enh_dualC-UEConTest	RP-72	
1136	12.9.0	agreed	R5	LTE_SC_enh_dualC-UEConTest	RP-72	
1137	12.9.0	agreed	R5	LTE_SC_enh_dualC-UEConTest	RP-72	
1138	13.0.0	agreed	R5	TEI12_Test, UTRA_LTE_WLAN_interw-UEConTest	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
1139	13.0.0	agreed	R5	TEI12_Test, UTRA_LTE_WLAN_interw-UEConTest	RP-72	
1140	13.0.0	agreed	R5	TEI11_Test	RP-72	
1141	13.0.0	agreed	R5	MTSI_WLAN-UEConTest	RP-72	
1142	13.0.0	agreed	R5	TEI12_Test, MTCe-UEPCOP-UEConTest	RP-72	
1143	13.0.0	agreed	R5	MTSI_WLAN-UEConTest	RP-72	
1144	13.0.0	agreed	R5	TEI11_Test	RP-72	
1145	13.0.0	agreed	R5	LTE_SC_enh_dualC-UEConTest	RP-72	
1146	13.0.0	agreed	R5	LTE_SC_enh_dualC-UEConTest	RP-72	
1147	13.0.0	agreed	R5	LTE_SC_enh_dualC-UEConTest	RP-72	
1148	13.0.0	agreed	R5	TEI11_Test	RP-72	
1149	13.0.0	agreed	R5	LTE_MTCe2_L1-UEConTest	RP-72	wrong revision on CR cover
1150	13.0.0	agreed	R5	TEI8_Test	RP-72	
1151	13.0.0	agreed	R5	TEI8_Test	RP-72	
1152	13.0.0	agreed	R5	TEI8_Test	RP-72	
1153	13.0.0	agreed	R5	TEI8_Test	RP-72	
1154	13.0.0	agreed	R5	LTE_TDD_eIMTA-UEConTest	RP-72	
1155	13.0.0	agreed	R5	LTE_TDD_eIMTA-UEConTest	RP-72	
1156	13.0.0	agreed	R5	TEI8_Test	RP-72	
1157	13.0.0	agreed	R5	LTE_SC_enh_dualC-UEConTest	RP-72	
1158	13.0.0	agreed	R5	LTE_SC_enh_dualC-UEConTest	RP-72	
1159	13.0.0	agreed	R5	LTE_SC_enh_dualC-UEConTest	RP-72	
1160	13.0.0	agreed	R5	LTE_SC_enh_dualC-UEConTest	RP-72	
1161	13.0.0	agreed	R5	TEI8_Test	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
1162	13.0.0	agreed	R5	TEI11_Test	RP-72	
1163	13.0.0	agreed	R5	TEI8_Test	RP-72	
1164	13.0.0	agreed	R5	TEI8_Test	RP-72	
1165	13.0.0	agreed	R5	TEI8_Test	RP-72	
1166	13.0.0	agreed	R5	TEI8_Test	RP-72	
1167	13.0.0	agreed	R5	TEI10_Test	RP-72	
1168	13.0.0	agreed	R5	TEI12_Test	RP-72	
1169	13.0.0	agreed	R5	LTE_SC_enh_dualC-UEConTest	RP-72	
1170	13.0.0	agreed	R5	LTE_SC_enh_dualC-UEConTest	RP-72	
1171	13.0.0	agreed	R5	LTE_SC_enh_dualC-UEConTest	RP-72	
1172	13.0.0	agreed	R5	LTE_SC_enh_dualC-UEConTest	RP-72	
1173	13.0.0	agreed	R5	LTE_SC_enh_dualC-UEConTest	RP-72	
1174	13.0.0	agreed	R5	LTE_SC_enh_dualC-UEConTest	RP-72	
1175	13.0.0	agreed	R5	LTE_SC_enh_dualC-UEConTest	RP-72	
1176	13.0.0	agreed	R5	LTE_SC_enh_L1-UEConTest	RP-72	
1177	13.0.0	agreed	R5	LTE_SC_enh_L1-UEConTest	RP-72	
1178	13.0.0	agreed	R5	TEI10_Test	RP-72	
1179	13.0.0	agreed	R5	LTE_SC_enh_L1-UEConTest	RP-72	
1180	13.0.0	agreed	R5	TEI12_Test	RP-72	
1181	13.0.0	agreed	R5	TEI12_test, LTE_CA_Rel12_3DL-UEConTest	RP-72	
1182	13.0.0	agreed	R5	LTE_SC_PTM-UEConTest	RP-72	
1183	13.0.0	agreed	R5	LTE_SC_PTM-UEConTest	RP-72	
1184	13.0.0	agreed	R5	LTE_SC_PTM-UEConTest	RP-72	
1185	13.0.0	agreed	R5	LTE_SC_PTM-UEConTest	RP-72	
1186	13.0.0	agreed	R5	LTE_SC_PTM-UEConTest	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
1187	13.0.0	agreed	R5	LTE_SC_PTM-UEConTest	RP-72	
1188	13.0.0	agreed	R5	TEI10_Test	RP-72	
1189	13.0.0	agreed	R5	LTE_SC_enh_dualC-UEConTest	RP-72	
1190	13.0.0	agreed	R5	LTE_MTCe2_L1-UEConTest	RP-72	
1191	13.0.0	agreed	R5	LTE_MTCe2_L1-UEConTest	RP-72	wrong revision on CR cover
1192	13.0.0	agreed	R5	TEI8_Test	RP-72	
1193	13.0.0	agreed	R5	LTE_D2D_Prox-UEConTest	RP-72	
1194	13.0.0	agreed	R5	LTE_D2D_Prox-UEConTest	RP-72	
1195	13.0.0	agreed	R5	LTE_D2D_Prox-UEConTest	RP-72	
1196	13.0.0	agreed	R5	LTE_D2D_Prox-UEConTest	RP-72	
1197	13.0.0	agreed	R5	LTE_D2D_Prox-UEConTest	RP-72	
1198	13.0.0	agreed	R5	LTE_D2D_Prox-UEConTest	RP-72	
1199	13.0.0	agreed	R5	LTE_D2D_Prox-UEConTest	RP-72	
1200	13.0.0	agreed	R5	LTE_D2D_Prox-UEConTest	RP-72	
1201	13.0.0	agreed	R5	LTE_D2D_Prox-UEConTest	RP-72	
1202	13.0.0	agreed	R5	LTE_D2D_Prox-UEConTest	RP-72	
1203	13.0.0	agreed	R5	LTE_TDD_eIMTA-UEConTest	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
1204	13.0.0	agreed	R5	TEI8_Test	RP-72	
1205	13.0.0	agreed	R5	TEI8_Test	RP-72	
1206	13.0.0	agreed	R5	TEI12_Test	RP-72	
1207	13.0.0	agreed	R5	LTE_TDD_eIMTA-UEConTest	RP-72	
1208	13.0.0	agreed	R5	TEI8_Test	RP-72	
1209	13.0.0	agreed	R5	TEI8_Test	RP-72	
1210	13.0.0	agreed	R5	TEI8_Test	RP-72	
1211	13.0.0	agreed	R5	TEI8_Test	RP-72	
1212	13.0.0	agreed	R5	TEI8_Test	RP-72	
1213	13.0.0	agreed	R5	TEI11_Test	RP-72	
1214	13.0.0	agreed	R5	TEI11_Test	RP-72	
1215	13.0.0	agreed	R5	TEI11_Test	RP-72	
1216	13.0.0	agreed	R5	TEI9_Test	RP-72	
1217	13.0.0	agreed	R5	TEI9_Test	RP-72	
1218	13.0.0	agreed	R5	LTE_SC_PTM-UEConTest	RP-72	wrong revision on CR cover
1219	13.0.0	agreed	R5	LTE_SC_PTM-UEConTest	RP-72	
1220	13.0.0	agreed	R5	LTE_SC_PTM-UEConTest	RP-72	wrong revision on CR cover
1221	13.0.0	agreed	R5	LTE_SC_PTM-UEConTest	RP-72	
1222	13.0.0	agreed	R5	LTE_SC_enh_L1-UEConTest	RP-72	
1223	13.0.0	agreed	R5	LTE_SC_enh_L1-UEConTest	RP-72	
1224	13.0.0	agreed	R5	TEI8_Test	RP-72	
1225	13.0.0	agreed	R5	LTE_CA_Rel12_2UL-UEConTest	RP-72	
1226	13.0.0	agreed	R5	TEI8_Test	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
1227	13.0.0	agreed	R5	LTE_D2D_Prox-UEConTest	RP-72	
1228	13.0.0	agreed	R5	TEI11_Test	RP-72	
1229	13.0.0	agreed	R5	TEI8_Test	RP-72	
1230	13.0.0	agreed	R5	TEI8_Test	RP-72	
1231	13.0.0	agreed	R5	TEI10_Test	RP-72	
1232	13.0.0	agreed	R5	LTE_SC_enh_dualC-UEConTest	RP-72	
1233	13.0.0	agreed	R5	TEI9_Test	RP-72	
1234	13.0.0	agreed	R5	TEI10_Test	RP-72	
1235	13.0.0	agreed	R5	TEI8_Test	RP-72	
1236	13.0.0	agreed	R5	LTE_eDRX-UEConTest	RP-72	
1237	13.0.0	agreed	R5	LTE_eDRX-UEConTest	RP-72	
1238	13.0.0	agreed	R5	TEI12_Test, LTE_CA_Rel12_3DL-UEConTest	RP-72	
1239	13.0.0	withdrawn	R5	LTE_CA_Rel13-UEConTest	RP-72	different spec on CR cover
1240	13.0.0	agreed	R5	TEI12_Test	RP-72	
1241	13.0.0	agreed	R5	TEI10_Test	RP-72	
1242	13.0.0	agreed	R5	MTSI_WLAN-UEConTest	RP-72	
1243	13.0.0	agreed	R5	MTSI_WLAN-UEConTest	RP-72	
1244	13.0.0	agreed	R5	TEI10_Test	RP-72	
1245	13.0.0	agreed	R5	LTE_AWS_EXT-UEConTest	RP-72	
1246	13.0.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
1247	13.0.0	agreed	R5	LTE_TDD_eIMTA-UEConTest	RP-72	
1248	13.0.0	agreed	R5	LTE_SC_enh_dualC-UEConTest	RP-72	
1249	13.0.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
1250	13.0.0	agreed	R5	LTE_SC_enh_dualC-UEConTest	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
1251	13.0.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
1252	13.0.0	agreed	R5	LTE_SC_enh_dualC-UEConTest	RP-72	
1253	13.0.0	agreed	R5	LTE_CA_Rel12_3DL-UEConTest	RP-72	
1254	13.0.0	agreed	R5	LTE_SC_PTM-UEConTest	RP-72	
1255	12.9.0	agreed	R5	TEI12_Test	RP-72	
1256	13.0.0	agreed	R5	LTE_D2D_Prox-UEConTest	RP-72	
1257	13.0.0	agreed	R5	LTE_1980_2170_REG1_REG3-UEConTest	RP-72	
1258	13.0.0	agreed	R5	TEI10_Test	RP-72	
1259	13.0.0	agreed	R5	LTE_MTCe2_L1-UEConTest	RP-72	
1260	13.0.0	agreed	R5	LTE_eDRX-UEConTest	RP-72	
1261	13.0.0	agreed	R5	TEI8_Test	RP-72	
1262	13.0.0	agreed	R5	TEI12_Test	RP-72	
1263	13.0.0	agreed	R5	TEI10_Test	RP-72	
1264	12.5.0	agreed	R5	TEI8_Test	RP-72	
1265	12.5.0	agreed	R5	TEI8_Test	RP-72	
1266	12.5.0	agreed	R5	TEI10_Test	RP-72	
1267	12.5.0	agreed	R5	TEI10_Test	RP-72	
1268	12.5.0	agreed	R5	LTE_CA_Rel12_2UL-UEConTest	RP-72	
1269	12.5.0	agreed	R5	LTE_CA_Rel12_2UL-UEConTest	RP-72	
1270	12.5.0	agreed	R5	TEI10_Test	RP-72	
1271	12.5.0	agreed	R5	TEI8_Test	RP-72	
1272	12.5.0	agreed	R5	TEI11_Test	RP-72	
1273	12.5.0	agreed	R5	TEI9_Test	RP-72	
1274	12.5.0	agreed	R5	TEI11_Test	RP-72	
1275	12.5.0	agreed	R5	TEI8_Test	RP-72	
1276	12.5.0	agreed	R5	TEI10_Test	RP-72	
1277	12.5.0	agreed	R5	TEI11_Test	RP-72	
1278	12.5.0	agreed	R5	TEI8_Test	RP-72	
1279	12.5.0	agreed	R5	TEI8_Test	RP-72	
1280	12.5.0	agreed	R5	TEI8_Test	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
1281	12.5.0	agreed	R5	TEI8_Test	RP-72	
1282	12.5.0	agreed	R5	TEI8_Test	RP-72	
1283	12.5.0	agreed	R5	TEI8_Test	RP-72	
1284	12.5.0	agreed	R5	TEI8_Test	RP-72	
1285	12.5.0	agreed	R5	TEI8_Test	RP-72	
1286	12.5.0	agreed	R5	TEI8_Test	RP-72	
1287	12.5.0	agreed	R5	TEI8_Test	RP-72	
1288	12.5.0	agreed	R5	TEI8_Test	RP-72	
1289	12.5.0	agreed	R5	TEI10_Test	RP-72	
1290	12.5.0	agreed	R5	TEI8_Test	RP-72	
1291	12.5.0	agreed	R5	TEI8_Test	RP-72	
1292	12.5.0	agreed	R5	TEI10_Test	RP-72	
1293	12.5.0	agreed	R5	TEI8_Test	RP-72	
1294	12.5.0	agreed	R5	TEI8_Test	RP-72	
1295	12.5.0	agreed	R5	TEI8_Test	RP-72	
1296	12.5.0	agreed	R5	TEI12_Test	RP-72	
1297	12.5.0	agreed	R5	TEI11_Test	RP-72	
1298	12.5.0	agreed	R5	TEI11_Test	RP-72	
1299	12.5.0	agreed	R5	TEI9_Test	RP-72	
1300	12.5.0	agreed	R5	TEI11_Test	RP-72	
1301	12.5.0	agreed	R5	TEI10_Test	RP-72	
1302	12.5.0	agreed	R5	TEI9_Test	RP-72	
1303	12.5.0	agreed	R5	TEI11_Test	RP-72	
1304	12.5.0	agreed	R5	LTE_CA_Rel12_2UL-UEConTest	RP-72	
1305	12.5.0	agreed	R5	TEI10_Test	RP-72	
1306	12.5.0	agreed	R5	TEI10_Test	RP-72	
1307	12.5.0	agreed	R5	TEI8_Test	RP-72	
1308	12.5.0	agreed	R5	TEI8_Test	RP-72	
1309	12.5.0	agreed	R5	TEI8_Test	RP-72	
1310	12.5.0	agreed	R5	LTE_CA_Rel12_2UL-UEConTest	RP-72	
1311	12.5.0	agreed	R5	LTE_CA_Rel12_2UL-UEConTest	RP-72	
1312	12.5.0	agreed	R5	TEI8_Test	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
1313	12.5.0	agreed	R5	TEI8_Test	RP-72	
1314	12.5.0	agreed	R5	TEI8_Test	RP-72	
1315	12.5.0	agreed	R5	LTE_CA_Rel12_2UL-UEConTest	RP-72	
1316	12.5.0	agreed	R5	TEI8_Test	RP-72	
1317	12.5.0	agreed	R5	TEI9_Test	RP-72	
1318	12.5.0	agreed	R5	TEI8_Test	RP-72	
1319	12.5.0	agreed	R5	TEI8_Test	RP-72	
1320	12.5.0	agreed	R5	TEI9_Test	RP-72	
1321	12.5.0	agreed	R5	TEI8_Test	RP-72	
1322	12.5.0	agreed	R5	TEI8_Test	RP-72	
1323	12.5.0	agreed	R5	TEI8_Test	RP-72	
1324	12.5.0	agreed	R5	TEI12_Test	RP-72	
1325	12.5.0	agreed	R5	TEI11_Test	RP-72	
1326	12.5.0	agreed	R5	TEI8_Test	RP-72	
1327	12.5.0	agreed	R5	TEI8_Test	RP-72	
1328	12.5.0	agreed	R5	TEI12_Test	RP-72	
1329	12.5.0	agreed	R5	TEI8_Test	RP-72	
1330	12.5.0	agreed	R5	TEI9_Test	RP-72	
1331	12.5.0	agreed	R5	TEI8_Test	RP-72	
1332	12.5.0	agreed	R5	TEI9_Test	RP-72	
1333	12.5.0	agreed	R5	TEI8_Test	RP-72	
1334	12.5.0	agreed	R5	TEI8_Test	RP-72	
1335	12.5.0	agreed	R5	TEI11_Test	RP-72	
1336	12.5.0	agreed	R5	LTE_CA_Rel12_2UL-UEConTest	RP-72	
1337	12.5.0	agreed	R5	TEI8_Test	RP-72	
1338	12.5.0	agreed	R5	TEI8_Test	RP-72	
1339	12.5.0	agreed	R5	TEI8_Test	RP-72	
1340	12.5.0	agreed	R5	TEI8_Test	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
1341	12.5.0	agreed	R5	LTE_D2D_Prox-UEConTest	RP-72	
1342	12.5.0	agreed	R5	TEI8_Test	RP-72	
1343	12.5.0	agreed	R5	TEI8_Test	RP-72	
1344	12.5.0	agreed	R5	TEI8_Test	RP-72	
1345	12.5.0	agreed	R5	TEI12_Test	RP-72	
1346	12.5.0	agreed	R5	TEI8_Test	RP-72	
1347	12.5.0	agreed	R5	TEI11_Test	RP-72	
1348	12.5.0	agreed	R5	TEI8_Test	RP-72	
1349	12.5.0	agreed	R5	TEI8_Test	RP-72	
1350	12.5.0	agreed	R5	TEI8_Test	RP-72	
1351	12.5.0	agreed	R5	TEI11_Test	RP-72	
1352	12.5.0	agreed	R5	TEI8_Test	RP-72	
1353	12.5.0	agreed	R5	TEI8_Test	RP-72	
1354	12.5.0	agreed	R5	TEI8_Test	RP-72	
1355	12.5.0	agreed	R5	TEI9_Test	RP-72	
1356	12.5.0	agreed	R5	TEI8_Test	RP-72	
1357	12.5.0	agreed	R5	TEI8_Test	RP-72	
1358	12.5.0	agreed	R5	TEI8_Test	RP-72	
1359	12.5.0	agreed	R5	TEI11_Test	RP-72	
1360	12.5.0	agreed	R5	TEI10_Test	RP-72	
1361	12.5.0	agreed	R5	TEI10_Test	RP-72	
1362	12.5.0	agreed	R5	TEI8_Test	RP-72	
1363	12.5.0	agreed	R5	TEI8_Test	RP-72	
1364	12.5.0	agreed	R5	TEI9_Test	RP-72	
1365	12.5.0	agreed	R5	TEI8_Test	RP-72	
1366	12.5.0	agreed	R5	TEI8_Test	RP-72	
1367	12.5.0	agreed	R5	TEI9_Test	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
1368	12.5.0	agreed	R5	TEI10_Test	RP-72	
1369	12.5.0	agreed	R5	LTE_SC_enh_dualC-UEConTest	RP-72	
1370	12.5.0	agreed	R5	TEI8_Test	RP-72	
1371	12.5.0	agreed	R5	TEI11_Test	RP-72	wrong CR number on CR cover
1372	12.5.0	agreed	R5	TEI8_Test	RP-72	
1373	12.5.0	agreed	R5	TEI12_Test	RP-72	
1374	12.5.0	agreed	R5	TEI8_Test	RP-72	
1375	12.5.0	agreed	R5	TEI8_Test	RP-72	
1376	12.5.0	agreed	R5	TEI8_Test	RP-72	
1377	12.5.0	agreed	R5	TEI9_Test	RP-72	
1378	12.5.0	agreed	R5	TEI11_Test	RP-72	
1379	12.5.0	agreed	R5	TEI9_Test	RP-72	
1380	12.5.0	agreed	R5	TEI11_Test	RP-72	
1381	12.5.0	agreed	R5	TEI8_Test	RP-72	
1382	12.5.0	agreed	R5	TEI8_Test	RP-72	
1383	12.5.0	agreed	R5	TEI8_Test	RP-72	
1384	12.5.0	agreed	R5	TEI8_Test	RP-72	
1385	12.5.0	agreed	R5	TEI8_Test	RP-72	
1386	12.5.0	agreed	R5	TEI8_Test	RP-72	
1387	12.5.0	agreed	R5	TEI8_Test	RP-72	
1388	12.5.0	agreed	R5	TEI8_Test	RP-72	
1389	13.0.0	agreed	R4	LTE_CA_B2_B4_B12_B12-Core, LTE_CA_B4_B4_B12_B12-Core, LTE_CA_B4_B5_B12_B12-Core	RP-72	
1390	13.0.0	agreed	R4	TEI13	RP-72	wrong CR number on CR cover
1391	13.0.0	agreed	R4	LTE_CA	RP-72	
1392	13.0.0	agreed	R4	LTE_AWS_EXT-Core	RP-72	
1393	13.0.0	agreed	R4	LTE_FDD_700_ARAB-Core	RP-72	
1394	13.0.0	agreed	R4	LTE_FDD_700_ARAB-Core	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
1395	12.9.0	agreed	R5	TEI12_Test, LTE_CA_Rel12_3DL-UEConTest	RP-72	
1396	12.9.0	agreed	R5	TEI12_Test, LTE_CA_Rel12_3DL-UEConTest	RP-72	
1397	12.9.0	agreed	R5	LC_MTC_LTE-UEConTest	RP-72	
1398	12.9.0	agreed	R5	LC_MTC_LTE-UEConTest	RP-72	
1399	12.9.0	agreed	R5	LC_MTC_LTE-UEConTest	RP-72	
1400	12.9.0	agreed	R5	LC_MTC_LTE-UEConTest	RP-72	
1401	12.9.0	agreed	R5	LC_MTC_LTE-UEConTest	RP-72	
1402	12.9.0	agreed	R5	LC_MTC_LTE-UEConTest	RP-72	
1403	12.9.0	agreed	R5	TEI10_Test	RP-72	
1404	12.9.0	agreed	R5	TEI12_Test	RP-72	
1405	12.9.0	agreed	R5	TEI12_Test	RP-72	
1406	12.9.0	agreed	R5	LTE_AWS_EXT-UEConTest	RP-72	
1407	12.9.0	agreed	R5	LTE_AWS_EXT-UEConTest	RP-72	
1408	12.9.0	agreed	R5	LTE_AWS_EXT-UEConTest	RP-72	
1409	12.9.0	agreed	R5	LTE_AWS_EXT-UEConTest	RP-72	
1410	12.9.0	agreed	R5	LTE_SC_enh_L1-UEConTest	RP-72	
1411	12.9.0	agreed	R5	LTE_SC_enh_L1-UEConTest	RP-72	
1412	12.9.0	agreed	R5	LTE_SC_enh_L1-UEConTest	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
1413	12.1.0	agreed	R5	LTE_NAICS-UEConTest	RP-72	
1414	12.1.0	agreed	R5	LTE_NAICS-UEConTest	RP-72	
1415	12.1.0	agreed	R5	TEI10_Test	RP-72	
1416	12.1.0	agreed	R5	LTE_NAICS-UEConTest	RP-72	
1417	12.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
1418	12.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
1419	12.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
1420	12.1.0	agreed	R5	LTE_CA_Rel12_2UL-UEConTest	RP-72	
1421	12.1.0	agreed	R5	LTE_CA_Rel12_2UL-UEConTest	RP-72	
1422	12.1.0	agreed	R5	LTE_CA_Rel12_2UL-UEConTest	RP-72	
1423	12.1.0	agreed	R5	LTE_CA_Rel13-UEConTest	RP-72	
1424	13.1.0	agreed	R5	TEI13_Test	RP-72	
1425	12.10.0	agreed	R4	TEI12	RP-72	
1426	13.1.0	agreed	R4	TEI12	RP-72	
1427	13.1.0	agreed	R4	LTE_AWS_3_4	RP-72	
1428	13.1.0	agreed	R4	MB_MSR_RF-Core	RP-72	
1429	13.1.0	agreed	R4	NB_IOT-Core	RP-72	
1430	13.1.0	agreed	R4	LTE_LAA-Core	RP-72	
1431	13.1.0	agreed	R4	LTE_FDD_2600_CA_B3-Core	RP-72	
1432	13.0.0	agreed	R4	AAS_BS_LTE_UTRA-Core	RP-72	
1433	13.0.0	agreed	R4	AAS_BS_LTE_UTRA-Perf	RP-72	wrong revision on CR cover
1434	13.0.0	agreed	R4	AAS_BS_LTE_UTRA-Core	RP-72	

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
1435	13.0.0	agreed	R4	AAS_BS_LTE_UTRA-core	RP-72	
1436	13.0.0	agreed	R4	AAS_BS_LTE_UTRA-Core	RP-72	
1437	13.1.0	agreed	R4	LTE_AWS_3_4	RP-72	
1438	13.1.0	agreed	R4	TEI13	RP-72	wrong revision on CR cover
1439	13.1.0	agreed	R4	LTE_FDD_2600_CA_B3-Core	RP-72	
1440	10.4.0	agreed	R4	TEI12	RP-72	
1441	11.3.0	agreed	R4	TEI12	RP-72	
1442	12.3.0	agreed	R4	TEI12	RP-72	
1443	13.1.0	agreed	R4	TEI12	RP-72	
1444	13.0.0	agreed	R4	AAS_BS_LTE_UTRA-Core	RP-72	
1445	12.10.0	agreed	R4	TEI12	RP-72	
1446	13.2.0	agreed	R4	MB_MSR_RF-Perf	RP-72	
1447	13.2.0	agreed	R4	TEI12	RP-72	
1448	13.2.0	agreed	R4	LTE_AWS_3_4	RP-72	
1449	13.2.0	agreed	R4	MB_MSR_RF-Core	RP-72	
1450	13.2.0	agreed	R4	LTE_LAA-Perf	RP-72	
1451	13.2.0	agreed	R4	LTE_FDD_2600_CA_B3-Perf	RP-72	
1452	12.6.0	agreed	R5	TEI12_Test, LTE_CA_Rel12_3DL-UEConTest	RP-72	
1453	12.6.0	agreed	R5	TEI12_Test, LTE_CA_Rel12_3DL-UEConTest	RP-72	
1454	12.6.0	agreed	R5	TEI10_Test	RP-72	
1455	12.6.0	agreed	R5	LTE_AWS_EXT-UEConTest	RP-72	
1456	12.6.0	agreed	R5	LTE_AWS_EXT-UEConTest	RP-72	
1457	12.6.0	agreed	R5	TEI9_Test	RP-72	wrong CR number on CR cover
1458	12.4.0	agreed	R5	TEI9_Test	RP-72	
1459	12.4.0	agreed	R5	TEI8_Test	RP-72	
1460	11.13.0	agreed	R5	TEI11_Test	RP-72	
1461	13.3.0	agreed	R4	UTRA_LTE_MIMO_OTA-Core	RP-72	wrong revision on CR cover

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	J	K	L	M	N	O
1	**CR written to**	**WG status**	**WG**	**Workitem**	**Meeting-1st-Level**	
1462	13.3.0	agreed	R4	UTRA_LTE_MIMO_OTA-Core	RP-72	
1463	13.3.0	agreed	R4	UTRA_LTE_MIMO_OTA-Core	RP-72	wrong revision on CR cover

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	A	B	C	D	E	F	G
1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
2		Yes	revised	3	RP-160695	Agenda for RAN #72 held in Busan, Korea, 13.06.-16.06.2016	RAN chairman (Qualcomm)
3		Yes	revised	4	RP-160696	Draft report of RAN #71 held in Göteborg, Sweden, 07.03.-10.03.2016	ETSI MCC
4		Yes	noted	5.1	RP-160697	Status Report RAN WG1	RAN1 chairman (NTT DOCOMO)
5		Yes	noted	5.1	RP-160698	List of CRs from RAN WG1	ETSI MCC
6		Yes	noted	5.2	RP-160699	Status Report RAN WG2	RAN2 chairman (Intel)

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	A	B	C	D	E	F	G
1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
7		Yes	noted	5.2	RP-160700	List of CRs from RAN WG2	ETSI MCC
8		Yes	noted	5.3	RP-160701	Status Report RAN WG3	RAN3 chairman (Huawei)
9		Yes	noted	5.3	RP-160702	List of CRs from RAN WG3	ETSI MCC
10		Yes	noted	5.4	RP-160703	Status Report RAN WG4	RAN4 chairman (Samsung)
11		Yes	noted	5.4	RP-160704	List of CRs from RAN WG4	ETSI MCC

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	A	B	C	D	E	F	G
1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
12		Yes	noted	5.5	RP-160705	Status Report RAN WG5	RAN5 chairman (Motorola Mobility)
13		Yes	noted	5.5	RP-160706	List of CRs from RAN WG5	ETSI MCC
14		Yes	approved	5.5	RP-160707	Status Report MCC TF160 (for approval)	ETSI MCC TF160 Leader
15		Yes	noted	6.1	RP-160708	TSG SA Report to TSG RAN - Questions for Advice and Requests	SA chairman (Samsung)

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	A	B	C	D	E	F	G
1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
16		Yes	noted	8.1	RP-160709	Status Report ITU-R Ad hoc	ITU-R Ad hoc Contact (Telecom Italia)
17		Yes	noted	12.4	RP-160710	TSG GERAN #70 status report	GERAN Chairman (Ericsson)
18		Yes	revised	17	RP-160711	3GPP Work Plan review at Plenary #72	ETSI MCC
19		Yes	noted	17	RP-160712	3GPP Support Team Report	ETSI MCC
20		Yes	noted	10.8.12	RP-160713	LS to RAN on new RAN4 TR for documenting multi-node tests for LAA (R4-163134; to: RAN; cc: RAN1; contact: Ericsson)	RAN4

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
21		Yes	noted	7	RP-160714	LS on REAR service requirements (S1-161605; to: SA2, RAN2; cc: RAN; contact: Qualcomm)	SA1
22		Yes	noted	7	RP-160715	LS on Progress on Security for LWIP (S3-160831; to: RAN, SA; cc: RAN2, RAN3; contact: NTT DOCOMO)	SA3
23		Yes	noted	9.2.2	RP-160716	LS on IMT 2020/ 5G spectrum in Europe (CEPT ECC PT1 (16)083_A31; to: ETSI TC ERM, RAN; cc: -; contact: ECC PT1 chair ANFR)	CEPT ECC PT1
24		Yes	noted	10.8.7	RP-160717	LS on appreciation for the completion of 3GPP Rel-13 Specifications related to the LTE for Public Safety (PCG36_23; to: SA, CT, RAN; cc: -; contact: Ministry of Science, ICT and Future Planning (MSIP), Korea)	PCG
25		Yes	noted	10.2.2	RP-160718	Reply LS to RP-160587 on LTE-based solution for ITS (CEPT ECC WG SE(16)059A13; to: RAN; cc: ETSI TC ERM, ETSI TC BRAN, CEPT ECC WG FM; contact: ECC WG SE Chair, Bundesnetzagentur)	CEPT ECC WG SE

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26		Yes	noted	9.2.2	RP-160719	LS on "Report on standard gap analysis", from ITU-T Focus Group on IMT-2020 and on extension of lifetime of Focus Group IMT-2020: Request for feedback (ITU-T SG13/COM 13-LS142-E; to: RAN, SA; cc: -; contact: OFCOM Switzerland)	ITU-T SG13
27		Yes	noted	8.4	RP-160720	LS on Invitation for submission of proposals for candidate radio interface technologies for the terrestrial components of the radio interface(s) for IMT-2020 and invitation to participate in their subsequent evaluation (ITU-R SG5/CIR/0059; to: RAN, SA, CT, 3GPP ITU-R ad hoc; cc: -; contact: Counselor ITU-R SG5)	ITU-R SG5
28		Yes	noted	8.3	RP-160721	LS on Technical and operational characteristics of the land mobile service applications and their spectrum needs associated with work on WRC-19 agenda item 1.15 in the frequency range 275-450 GHz (ITU-R WP5A/TEMP/1(Rev.1); to: RAN, 3GPP2, 4G Americas, ARIB, ATIS, AWG, BBF, CCSA, CDG, ETSI TC ERM, ETSI ERM TG41, ETSI TC BRAN, ETSI TC DECT, GSA, GSMA, IEEE, TIA, TIA TR-45, TIA TR-45.5, TTA, UMTS Forum, WiMAX Forum, iBurst Association, TIA TR-45.3, TTC, WGA, Wi-Fi Alliance, XGP Forum; cc: ITU-R WP1A, ITU-R WP5D; contact: Counselor ITU-R SG5)	ITU-R WP5A

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
29		Yes	noted	8.4	RP-160722	LS on Technical and operational characteristics of the fixed service applications and their spectrum needs associated with work on WRC-19 agenda item 1.15 (ITU-R WP5C/TEMP/16-E; to: RAN, 3GPP2, 4G Americas, APT, ARIB, ATIS, AWG, BBF, CCSA, CDG, ETSI TC ERM, ETSI ERM-TG41, ETSI ISG MWT, ETSI TC BRAN, ETSI TC DECT, GSA, GSMA, IEEE, TIA, TIA TR-45, TIA TR-45.5, TTA, UMTS Forum, WiMAX Forum, , iBurst Association, TIA TR-45.3, TTC, WGA, Wi-Fi Alliance, XGP Forum; cc: ITU-R WP1A/3J/3K/3M/5A/5D/7C/7D; contact: Counselor ITU-R SG5)	ITU-R WP5C
30		Yes	noted	8.3	RP-160723	LS on Technical and operational characteristics of digital land mobile communication systems for specific applications (ITU-R WP5A/TEMP/39; to: RAN, 3GPP2, 4G Americas, 79 GHz Project, APCO, APG, ARIB, ATIS, AWG, BBF, CCSA, CDG, ETSI, ETSI ERM-TG37, ETSI ERM-TG41, ETSI ERM-TGDMR, ETSI ERM-TGSRR, ETSI SC EMTEL, ETSI TC , RAN, ETSI TC DECT, ETSI TC ERM, ETSI TC ITS, ETSI TC TCCE, GSA, GSMA, iBurst Association, IEEE, ISO TC 204, OASIS, TIA, TIA TR-45, TIA TR-45.3, TIA TR-45.5, TIA TR-8, TTA, TTC, UMTS Forum, WGA, Wi-Fi Alliance, WiMAX Forum, XGP Forum; cc: -; contact: Counselor ITU-R SG5)	ITU-R WP5A
31		Yes	noted	10.8.12	RP-160724	LS on comments on LAA (IEEE_802_LMSC_LS_160318; to: RAN, RAN1; cc: -; contact: IEEE 802 LMSC chair)	IEEE 802 LMSC
32		Yes	noted	10.8.12	RP-160725	Reply LS to RP-152280 regarding LAA (WFA_LS_160404; to: RAN, RAN1; cc: -; contact: WiFi Alliance)	WiFi Alliance

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33		Yes	noted	10.8.12	RP-160726	Reply LS to RP-152234 on Wi-Fi Alliance comments on "Way forward on coexistence tests for LAA" (WFA_LS_160422; to: RAN, RAN4; cc: -; contact:WiFi Alliance)	WiFi Alliance
34		Yes	noted	10.8.12	RP-160727	LS regarding 3GPP LTE based technologies operating in the unlicensed bands (City_NY_LS_160502; to: RAN, RAN1; cc: -; contact: Counsel to the Mayor of the City of New York)	City of New York
35		Yes	noted	10.8.12	RP-160728	LS on Wi-Fi Alliance comments on RAN4 Coexistence tests for LTE-LAA (WFA_LS_160520; to: RAN4, RAN; cc: -; contact: WiFi Alliance)	WiFi Alliance
36		Yes	noted	10.8.12	RP-160729	LS on Review of 3GPP LAA Specification Rel. 13 (IEEE_802_LMSC_LS_160521; to: RAN1; cc: RAN; contact: IEEE 802 LMSC chair)	IEEE 802 LMSC
37		Yes	noted	7	RP-160730	LS on LWA and LWIP (IEEE_802.11_LS160321-0489r2; to: RAN2, RAN, SA3; cc: -; contact: IEEE 802.11 WG Chair)	IEEE 802.11
38		Yes	noted	9.2.1	RP-160731	LS on path loss accuracy and sensitivity in 5G channel modeling (NYU_Wireless_LS_160406; to: RAN1; cc: RAN; contact: founder of NYU WIRELESS)	NYU WIRELESS
39		Yes	noted	7	RP-160732	LS on completion of the EC-GSM-IoT Work Item (GP-160436; to: GSMA; cc: RAN; contact: Orange)	GERAN
40		Yes	noted	9.2.3	RP-160733	Reply LS on Formation of IEEE 1914 Next Generation Fronthaul Interface Working Group (R3-161538; to: IEEE 1914; cc: RAN1, RAN2, RAN; contact: Intel)	RAN3

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41		Yes	noted	8.2	RP-160734	LS on Characteristics of terrestrial IMT systems for frequency sharing/interference analysis in the frequency range between 24.25 GHz and 86 GHz (R4-164527; to: RAN; cc: RAN1; contact: Nokia)	RAN4
42		Yes	noted	10.8.12	RP-160735	Response LS to IEEE 802.11 on IEEE_802_LMSC_LS_160318 = RP-160724 regarding LAA (R1-166040; to: IEEE 802 LMSC; cc: Wi-Fi Alliance, The City of New York Office of the Mayor, RAN, RAN2, RAN4; contact: Qualcomm)	RAN1
43		Yes	noted	10.8.12	RP-160736	Response LS to Wi-Fi Alliance to WFA_LS_160404 = RP-160725 regarding LAA (R1-166041; to: Wi-Fi Alliance; cc: IEEE 802 LMSC, The City of New York Office of the Mayor, RAN, RAN2, RAN4; contact: Qualcomm)	RAN1
44		Yes	noted	7	RP-160737	Reply LS to R4-163150 on continuous uplink transmission in eMTC (R1-166042; to: RAN4, RAN2; cc: RAN; contact: Intel)	RAN1
45		Yes	noted	10.6.12	RP-160738	LS on refined objectives of FeD2D SI for UE to Network Relays for IoT and Wearables (R2-164543; to: RAN; cc: -; contact: Qualcomm)	RAN2

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46		Yes	noted	10.8.2	RP-160739	LS on NB-IoT Performance (R1-166037; to: RAN; cc: RAN2, RAN4; contact: Huawei)	RAN1
47		Yes	noted	10.2.7	RP-160740	LS on Rel.14 eFD-MIMO WID update (R1-166029; to: RAN; cc: -; contact: Nokia)	RAN1
48		Yes	noted	10.6.3	RP-160741	LS on high level coexistence approaches between PC5 transport for V2V services and DSRC/IEEE 802.11p services in the same channel (R1-166033; to: RAN; cc: -; contact: Ericsson)	RAN1

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49		Yes	noted	10.8.12	RP-160742	Response to WFA_LS_160520 = RP-160728 on Wi-Fi Alliance comments on "Way forward on coexistence tests for LAA" (R4-164972; to: Wi-Fi Alliance; cc: RAN, RAN1; contact: Qualcomm)	RAN4
50		Yes	noted	8.3	RP-160743	LS on Technical and operational characteristics and implementation of railway radiocommunication systems between train and trackside associated with work on WRC-19 agenda item 1.11 (ITU-R WP5A/TEMP/45(Rev.1); to: RAN, AAR, APT, ERA, ETSI, IEEE, ISO/IEC, RAC, UIC; cc: -; contact: ITU-R SG5 Counselor)	ITU-R WP5A
51		Yes	noted	7	RP-160744	Response LS to RP-160669 on CSG and LIPA support in DC (Dual Connectivity) enhancements for LTE (S2-163205; to: RAN3; cc: RAN, RAN2; contact: Nokia)	SA2
52	flag T	Yes	noted	13.3.1	RP-160745	Status report of WI UE Over the Air (Antenna) conformance testing methodology - Laptop Equipment Free Space Test; Rapporteur: ZTE	RAN5
53	flag T	Yes	noted	13.5.1	RP-160746	Status report of WI LTE UE TRP and TRS and UTRA Hand Phantom; Rapporteur: ZTE	RAN5
54		Yes	approved	9.2.2	RP-160747	Summary of "[RAN#71-10] Testability aspects" and related pCR	TELECOM ITALIA S.p.A.
55	R4	Yes	approved	10.4.7	RP-160748	Revised WID: LTE Advanced inter-band CA Rel-14 for xDL/2UL with x=3,4,5	LG Electronics Inc.

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56		Yes	noted	10.4.7	RP-160749	Status report of WI LTE Advanced inter-band Carrier Aggregation Rel-14 for xDL/2UL with x=3,4,5; rapporteur: LG	RAN4
57		Yes	postponed	9.2.2	RP-160750	TP for TR 38.913: C-RAN	KT Corp.
58		Yes	noted	10.6.6	RP-160751	TR 36.896 v1.0.0 on Study on Flexible eNB-ID and Cell-ID in E-UTRAN	China Telecommunications
59	flag M	Yes	noted	10.6.6	RP-160752	Status report of SI: Study on flexible eNB-ID and Cell-ID in E-UTRAN; rapporteur: China Telekom	RAN3

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
60	R5	Yes	approved	13.1	RP-160753	New Work Item Proposal: MS Conformance Test Aspects - Extended Coverage GSM (EC-GSM) for support of Cellular Internet of Things	Ericsson
61	R5	Yes	approved	13.1	RP-160754	New Work Item Proposal: UE Conformance Test Aspects – Rel-14 CA configurations	Ericsson
62		Yes	revised	9.2.2	RP-160755	Satellite in NR - Text Proposal	Dish Network
63		Yes	noted	13.2.2	RP-160756	Status report for WI UE Conformance Test Aspects - Multimedia Telephony Services for IMS (MTSI) over WLAN; rapporteur: Ericsson	RAN5

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64	flag T	Yes	noted	13.4.3	RP-160757	Status report for WI UE Conformance Test Aspects - Low cost & enhanced coverage MTC UE for LTE; rapporteur: Ericsson	RAN5
65	flag T	Yes	noted	13.4.4	RP-160758	Status report for WI UE Conformance Test Aspects - Further Rel-12 configurations for LTE Advanced Carrier Aggregation with 2UL; rapporteur: Ericsson	RAN5
66	flag T	Yes	noted	13.4.6	RP-160759	Status report for WI UE Conformance Test Aspects - Dual connectivity for LTE; rapporteur: Ericsson	RAN5
67	flag T	Yes	noted	13.4.9	RP-160760	Status report for WI UE Conformance Test Aspects - Increasing the minimum number of carriers for UE monitoring in UTRA and E-UTRA; rapporteur: Ericsson	RAN5
68		Yes	noted	13.5.2	RP-160761	Status report for WI UE Conformance Test Aspects - Rel-13 CA configurations; rapporteur: Ericsson	RAN5
69	flag T	Yes	noted	13.5.3	RP-160762	Status report for WI UE Conformance Test Aspects - LTE DL 4 Rx antenna ports; rapporteur: Ericsson	RAN5
70		Yes	noted	13.5.5	RP-160763	Status report for WI UE Conformance Test Aspects - AWS-Extension Band for LTE (Band 66); rapporteur: Ericsson	RAN5
71		Yes	noted	13.5.6	RP-160764	Status report for WI UE Conformance Test Aspects – Further LTE Physical Layer Enhancements for MTC; rapporteur: Ericsson	RAN5
72	R5	Yes	approved	13.5.6	RP-160765	Revision of WI UE Conformance Test Aspects – Further LTE Physical Layer Enhancements for MTC	Ericsson
73		Yes	approved	10.8.8	RP-160766	TR 36.884 V2.0.0 on Performance requirements of MMSE-IRC receiver for LTE BS	China Telecom

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74		Yes	noted	10.8.8	RP-160767	Status report for WI Perf. Part: Performance requirements of MMSE-IRC receiver for LTE BS, rapporteur: China Telecom	RAN4
75		Yes	not treated	10.1.4	RP-160768	Motivation for new SI on interference cancellation receiver for LTE BS	China Telecommunications
76	R4	Yes	revised	10.1.4	RP-160769	New SI: Study on interference cancellation receiver for LTE BS	China Telecommunications, Huawei
77		Yes	not treated	10.1.4	RP-160770	Motivation for new study item on NB-IoT RF requirement for coexistence with CDMA	China Telecom
78	R4	Yes	revised	10.1.4	RP-160771	New SI proposal: Study on NB-IoT RF requirement for coexistence with CDMA	China Telecom, Sprint, SK Telecom, Qualcomm, Huawei, HiSillicon

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79		Yes	revised	9.2.2	RP-160772	pCR on Section “Lawful Interception” of TR38.913	TELECOM ITALIA S.p.A.

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80		Yes	noted	9.2.2	RP-160773	Consideration on typical antenna configurations in deployment scenarios	Telecom Italia, Deutsche Telekom, ORANGE, Telefonica
81	R4	Yes	approved	13.5.10	RP-160774	Revised WID: UE Conformance Test Aspects – FDD LTE band 1980-2010 MHz and 2170-2200MHz (band 65) in Region1 and Region 3	Dish Network
82		Yes	noted	13.5.10	RP-160775	Status report of WI UE Conformance Test Aspects - FDD LTE band 1980-2010 MHz and 2170-2200MHz (band 65) in Region1 and Region 3; rapporteur: Dish Network	RAN5
83		Yes	noted	10.3.1	RP-160776	Status Report for WI Multi-Band Base Station testing with three or more bands; rapporteur: Alcatel-Lucent	RAN4
84		Yes	noted	10.8.4	RP-160777	Status report for WI Perf Part: Indoor Positioning enhancements for UTRA and LTE; rapporteur: NextNav, Huawei	RAN4
85		Yes	noted	10.3.1	RP-160778	TR 37.871 v1.0.0 on E-UTRA, UTRA and GSM/EDGE; Multi-Band Base Station testing with three or more bands; for information	Nokia

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86		Yes	noted	10.3.2	RP-160779	Status report for WI: Further Indoor Positioning enhancements for UTRA and LTE; rapporteur: NextNav, Huawei	RAN2
87	R4	Yes	not treated	10.1.4	RP-160780	WID for UMTS and LTE Incmon (Increasing the minimum number of carriers for UE monitoring) Enhancement	Ericsson Limited
88		Yes	not treated	10.1.4	RP-160781	Motivation for enhancements to UMTS and LTE increased UE carrier monitoring	Ericsson Limited
89	flag T	Yes	noted	10.4.10	RP-160782	Status report of WI LTE_AWS_3_4; DISH Network	RAN4
90	R4	Yes	approved	10.4.10	RP-160783	Revision of WI LTE_AWS_3_4	Dish Network
91	flag T	Yes	noted	10.6.4	RP-160784	Status report of Study on High Power LTE UE for Band 41 ; rapporteur: Sprint	RAN4
92	R4	Yes	revised	10.1.5	RP-160785	New WID LTE High Power UE for Band 41	SPRINT, C-Spire, CMCC, Nokia, China Telecom
93		Yes	approved	10.6.4	RP-160786	TR36.886 v1.0.0 on Study on High Power UE for band 41; for approval	Sprint Corporation
94		Yes	approved	10.4.10	RP-160787	TR 36.749, Version 1.0.0 on New AWS Band for LTE	Dish Network

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95	R4	Yes	revised	10.1.5	RP-160788	New Study Item proposal: Feasibility study on global application of LTE Band 11 and of LTE Band 21 UEs	SoftBank Corp.
96	flag M	Yes	revised	10.6.3	RP-160789	Status report of SI: Feasibility Study on LTE-based V2X Services; rapporteur: LG Electronics	RAN1
97		Yes	approved	10.6.3	RP-160790	TR 36.885 v2.0.0 on Study on LTE-based V2X Services, for approval	LG Electronics
98		Yes	revised	10.6.3	RP-160791	Revision of SI: Feasibility Study on LTE-based V2X Services	LG Electronics
99		Yes	noted	10.2.2	RP-160792	Status report of WI: Support for V2V services based on LTE sidelink rapporteur: LG Electronics	RAN1
100		Yes	revised	10.2.2	RP-160793	Revision of WI: Support for V2V services based on LTE sidelink	LG Electronics
101		Yes	noted	10.1.1	RP-160794	Motivation for WI on "LTE-based V2X Services"	LG Electronics
102	R1	Yes	revised	10.1.1	RP-160795	New WI proposal: LTE-based V2X Services	LG Electronics

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103		Yes	merged	9.2.2	RP-160796	pCR to reliability and KPI values for eV2X	LG Electronics
104		Yes	noted	9.3	RP-160797	Ways forward on flexilble/full duplex operation in NR and LTE	LG Electronics
105		Yes	noted	10.1.2	RP-160798	Motivation for WI Proposal on QoE Measurement Collection for streaming services	China Unicom
106		Yes	revised	9.2.3	RP-160799	On unlicensed standalone as part of the 5G NR study item	Qualcomm

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107	R2	Yes	postponed	10.1.2	RP-160800	New WI proposal on Quality of Experience (QoE) Measurement Collection for streaming services	China Unicom
108		No	withdrawn	10.2.8	RP-160801	Status report on WI Core part: Further mobility enhancements in LTE; rapporteur: ZTE	RAN2
109	flag D	Yes	revised	10.8.11	RP-160802	Status report for WI: Perf. part: LTE DL 4 Rx antenna ports; rapporteur: Ericsson	RAN4
110	R4	Yes	revised	10.1.4	RP-160803	New WI proposal: 4 Rx antenna ports with CA for LTE DL	Ericsson GmbH, Eurolab
111		Yes	not treated	10.1.4	RP-160804	Motivation and general proposal for new WI for LTE DL 4Rx with CA in Rel-14	Ericsson GmbH, Eurolab
112		Yes	noted	9.2.2	RP-160805	"[RAN#71-11] Scenarios, KPIs and methodology" email discussion summary	Nokia

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113		Yes	merged	9.2.3	RP-160806	Revised SID: Study on Next Generation New Radio Access Technology	TELECOM ITALIA S.p.A.
114	R4	Yes	revised	10.1.4	RP-160807	New WI proposal: Performance requirement of non-linear receiver for Enhanced SU-MIMO for LTE	LG Electronics Inc.
115		Yes	revised	10.1.4	RP-160808	Motivation for new WI proposal on Performance requirement of non-linear receiver for Enhanced SU-MIMO for LTE	LG Electronics Inc.

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116	flag S	Yes	noted	9.2.2	RP-160809	Status report of SI Study on Scenarios and Requirements for Next Generation Access Technologies; rapporteur: CMCC	RAN
117		Yes	revised	9.2.2	RP-160810	TR 38.913 v0.3.1 on Study on Scenarios and Requirements for Next Generation Access Technologies	China Mobile Com. Corporation
118	RP	Yes	approved	9.2.2	RP-160811	Update of Study Item Description for "Study on Scenarios and Requirements for Next Generation Access Technologies"	China Mobile Com. Corporation
119		Yes	revised	9	RP-160812	Proposal for 5G-NR schedule adjustment and further definition	VODAFONE Group Plc
120	R1, IOT	Yes	revised	10.1.1	RP-160813	New Work Item proposal: NB-IoT enhancements	VODAFONE Group Plc
121		No	withdrawn	9.2.2	RP-160814	5G-NR discussion on some remaining requirements	VODAFONE Group Plc

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
122		Yes	noted	9.2.2	RP-160815	Antenna assumptions for 5G-NR evaluations	VODAFONE Group Plc
123		No	withdrawn	9.2.1	RP-160816	5G-NR channel modelling: some related issues	VODAFONE Group Plc
124		Yes	noted	10.6.7	RP-160817	Status report of SI Study on enhancement of VoLTE; rapporteur: CMCC	RAN2
125		Yes	noted	10.8.6	RP-160818	Status report of WI Perf. part: LTE Carrier Aggregation Enhancement Beyond 5 Carriers; rapporteur: Nokia	RAN4
126		Yes	noted	10.4.4	RP-160819	Status report of WI LTE_CA_R14_4DL1UL; rapporteur: Ericsson	RAN4

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
127		Yes	noted	10.4.1	RP-160820	Status report of WI LTE_CA_R14_intra; rapporteur: Ericsson	RAN4
128	R4	Yes	approved	10.4.4	RP-160821	Revised WID: Basket WI for LTE Advanced Inter-band CA Rel-14 for 4DL/1UL	Ericsson
129	R4	Yes	approved	10.4.1	RP-160822	Revised WID: Basket WI for LTE Advanced Intra-band CA including contiguous and non-contiguous spectrum	Ericsson
130		Yes	noted	10.1.3	RP-160823	Motivation for a New SI: SON for eCoMP	Nokia
131	R3	Yes	revised	10.1.3	RP-160824	New SI: Study on SON for eCoMP for LTE	Nokia
132		Yes	noted	10.2.11	RP-160825	Importance of longer eMBMS CP for large ISDs	Telstra Corporation Limited
133		Yes	noted	10.1.1	RP-160826	On the value of reducing CRS transmission in LTE	Telstra Corporation Limited
134		Yes	noted	11.2.1	RP-160827	Status report of WI Core part: RRC optimization for UMTS; rapporteur: Ericsson	RAN2
135		Yes	revised	10.6.12	RP-160828	Status report for SI: Further Enhancements to LTE Device to Device, UE to Network Relays for IoT and Wearables; rapporteur: Qualcomm Incorporated	RAN2

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
136		Yes	revised	10.6.12	RP-160829	Revision of SI: Further Enhancements to LTE Device to Device, UE to Network Relays for IoT and Wearables	Qualcomm Incorporated
137		Yes	approved	13.2.1	RP-160830	RAN5 agreed non TTCN CR(s) WI UE Conformance Test Aspects – Multimedia Telephony Services for IMS (MTSI) over fixed access(MTSI_FIXED_ACCESS-UEConTest)	RAN5
138		Yes	approved	13.2.2	RP-160831	RAN5 agreed non TTCN CR(s) WI UE Conformance Test Aspects – Multimedia Telephony Services for IMS (MTSI) over WLAN (MTSI_WLAN-UEConTest)	RAN5
139		Yes	approved	13.4.1	RP-160832	RAN5 agreed non TTCN CR(s) WI UE Conformance Test Aspects - DCH Enhancements for UMTS (UTRA_DCHenh-UEConTest)	RAN5
140		Yes	partially approved	13.4.2	RP-160833	RAN5 agreed non TTCN CR(s) WI UE Conformance Test Aspects – UE Conformance Test Aspects – LTE Device-to-Device Proximity Services (LTE_D2D_PROX-UEConTest)	RAN5

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
141		Yes	approved	13.4.3	RP-160834	RAN5 agreed non TTCN CR(s) WI UE Conformance Test Aspects - Low cost & enhanced coverage MTC UE for LTE (LC_MTC_LTE-UEConTest)	RAN5
142		Yes	approved	13.4.4	RP-160835	RAN5 agreed non TTCN CR(s) under WI UE Conformance Test Aspects – Further Rel-12 configurations for LTE Advanced Carrier Aggregation with 2UL (LTE_CA_Rel12_2UL-UEConTest)	RAN5
143		Yes	approved	13.4.5	RP-160836	RAN5 agreed non TTCN CR(s) WI UE Conformance Test Aspects - E-UTRA Small cell enhancements - Physical layer aspects (LTE_SC_enh_L1-UEConTest)	RAN5
144		Yes	approved	13.4.6	RP-160837	RAN5 agreed non TTCN CR(s) WI UE Conformance Test Aspects - Dual connectivity for LTE (LTE_SC_enh_dualC-UEConTest)	RAN5
145		Yes	approved	13.4.7	RP-160838	RAN5 agreed non TTCN CR(s) WI UE Conformance Test Aspects: Network-Assisted Interference Cancellation and Suppression for LTE (LTE_NAICS-UEConTest)	RAN5
146		Yes	approved	13.4.8	RP-160839	RAN5 agreed non TTCN CR(s) WI UE Conformance Test Aspects: Further Enhancements to LTE TDD for DL-UL Interference Management and Traffic Adaptation (LTE_TDD_eIMTA-UEConTest)	RAN5
147		Yes	approved	13.5.2	RP-160840	RAN5 agreed non TTCN CR(s) WI UE Conformance Test Aspects - Rel-13 LTE CA configurations (LTE_CA_Rel13-UEConTest) (Batch 1)	RAN5
148		Yes	partially approved	13.5.2	RP-160841	RAN5 agreed non TTCN CR(s) WI UE Conformance Test Aspects - Rel-13 LTE CA configurations (LTE_CA_Rel13-UEConTest) (Batch 2)	RAN5

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
149		Yes	approved	13.5.3	RP-160842	RAN5 agreed non TTCN CR(s) WI UE Conformance Test Aspects - LTE DL 4 Rx antenna ports (LTE_4Rx_AP_DL-UEConTest)	RAN5
150		Yes	approved	13.5.5	RP-160843	RAN5 agreed non TTCN CR(s) WI UE Conformance Test Aspects - AWS-Extension Band for LTE (Band 66) (LTE_AWS_EXT-UEConTest)	RAN5
151		Yes	approved	14.5.1	RP-160844	RAN5 agreed non TTCN CR(s) under WI Small Technical Enhancements and Improvements for Rel 99 Conformance Testing(TEI_Test)	RAN5
152		Yes	approved	14.5.1	RP-160845	RAN5 agreed non TTCN CR(s) under WI Small Technical Enhancements and Improvements for Rel-8 Conformance Testing(TEI8_Test) (Batch 1)	RAN5
153		Yes	approved	14.5.1	RP-160846	RAN5 agreed non TTCN CR(s) under WI Small Technical Enhancements and Improvements for Rel-8 Conformance Testing(TEI8_Test) (Batch 2)	RAN5
154		Yes	approved	14.5.1	RP-160847	RAN5 agreed non TTCN CR(s) under WI Small Technical Enhancements and Improvements for Rel-9 Conformance Testing(TEI9_Test)	RAN5
155		Yes	approved	14.5.2	RP-160848	CR to 34.229-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.229-3 (prose), Annex A	RAN5
156		Yes	approved	14.5.2	RP-160849	CR to 34.229-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.229-3 (TTCN), Annex A	RAN5
157		Yes	approved	14.5.3	RP-160850	CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A	RAN5

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
158		Yes	approved	14.5.3	RP-160851	CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (TTCN), Annex A	RAN5
159		Yes	approved	14.5.3	RP-160852	CR to 36.523-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 36.523-3 (prose), Annex A	RAN5
160		Yes	approved	14.5.3	RP-160853	CR to 36.523-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 36.523-3 (TTCN), Annex A	RAN5
161		No	withdrawn	14.5.3	RP-160854	CR to 37.751-4: Add new verified and e-mail agreed TTCN test cases in the TC lists in 37.571-4 (prose), Annex A	RAN5
162		Yes	approved	14.5.3	RP-160855	CR to 37.571-4: Add new verified and e-mail agreed TTCN test cases in the TC lists in 37.571-4 (TTCN), Annex A	RAN5
163		Yes	approved	14.5.1	RP-160856	RAN5 agreed non TTCN CR(s) under WI Small Technical Enhancements and Improvements for Rel-10 Conformance Testing (TEI10_Test)	RAN5
164		Yes	approved	14.5.2	RP-160857	RAN5 agreed non TTCN CR(s) under WI Small Technical Enhancements and Improvements for Rel-11 Conformance Testing (TEI11_Test)	RAN5
165		Yes	approved	14.5.3	RP-160858	RAN5 agreed non TTCN CR(s) under WI Small Technical Enhancements and Improvements for Rel-12 Conformance Testing (TEI12_Test) (Batch 1)	RAN5

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
166		Yes	partially approved	14.5.3	RP-160859	RAN5 agreed non TTCN CR(s) under WI Small Technical Enhancements and Improvements for Rel-12 Conformance Testing (TEI12_Test) (Batch 2)	RAN5
167		Yes	approved	14.5.4	RP-160860	RAN5 agreed non TTCN CR(s) under WI Small Technical Enhancements and Improvements for Rel-13 Conformance Testing (TEI13_Test)	RAN5
168		Yes	approved	13.5.6	RP-160861	RAN5 agreed non TTCN CR(s) WI UE Conformance Test Aspects - Further LTE Physical Layer Enhancements for MTC (LTE_MTCe2_L1-UEConTest)	RAN5
169		Yes	approved	13.5.9	RP-160862	RAN5 agreed non TTCN CR(s) WI UE Conformance Test Aspects - RAN enhancements for extended DRX in LTE (LTE_extDRX-UEConTest)	RAN5
170		Yes	approved	13.5.10	RP-160863	RAN5 agreed non TTCN CR(s) WI UE Conformance Test Aspects - FDD LTE band 1980-2010 MHz and 2170-2200MHz (band 65) in Region1 and Region 3 (LTE_1980_2170_REG1_REG3-UEConTest)	RAN5
171		Yes	approved	13.5.7	RP-160864	RAN5 agreed non TTCN CR(s) WI UE Conformance Test Aspects - Support of single-cell point-to-multipoint transmission in LTE (LTE_SC_PTM-UEConTest)	RAN5
172		Yes	approved	13.5.11	RP-160865	RAN5 agreed non TTCN CR(s) WI UE Conformance Test Aspects - Introduction of 1447-1467MHz Band for TD-LTE in China (LTE_TDD_1447MHz_China -UEConTest)	RAN5
173		Yes	approved	13.5.4	RP-160866	RAN5 agreed non TTCN CR(s) WI UE Conformance Test Aspects - Licensed-Assisted Access using LTE (LTE_LAA-UEConTest)	RAN5

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
174	flag M	Yes	noted	10.4.9	RP-160867	Status Report of WI LTE 2.6 GHz FDD SDL Band (2570-2620 MHz) and LTE Carrier Aggregation (2DL/1UL) with band 3 for region 1; rapporteur: Orange	RAN4
175		Yes	noted	10.2.9	RP-160868	Status report for WI Uplink Capacity Enhancements for LTE; rapporteur: Ericsson	RAN1
176		Yes	noted	10.1.1	RP-160869	Motivation for New Work Item on Enhancements to LTE operation in unlicensed spectrum	Ericsson
177	R1	Yes	revised	10.1.1	RP-160870	New Work Item on Enhancements to LTE operation in unlicensed spectrum	Ericsson
178		Yes	noted	10.1.1	RP-160871	Motivation for Work Item on shortened TTI and processing time	Ericsson
179	R1	Yes	revised	10.1.1	RP-160872	New Work Item on shortened TTI and processing time for LTE	Ericsson
180	flag D	Yes	revised	10.2.11	RP-160873	Status report for WI eMBMS enhancements for LTE; rapporteur: Ericsson	RAN1

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
181		Yes	revised	10.2.11	RP-160874	Updated WID: eMBMS enhancements for LTE	Ericsson
182		Yes	noted	10.6.2	RP-160875	Status report for SI Study on Latency reduction techniques for LTE; rapporteur: Ericsson	RAN2
183		Yes	revised	10.2.1	RP-160876	Status report for WI Enhanced LAA for LTE; rapporteur: Ericsson	RAN1
184		Yes	noted	10.1.1	RP-160877	Motivation for New WI proposal for L1/L2 eMTC and NB-IOT enhancements	Ericsson

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
185	R1, IOT	Yes	revised	10.1.1	RP-160878	New WI proposal for L1/L2 eMTC and NB-IOT enhancements	Ericsson
186		Yes	noted	10.1.1	RP-160879	Motivation for LTE Lean Carrier	Ericsson
187	R1	Yes	postponed	10.1.1	RP-160880	Work Item on Lean Carrier LTE	Ericsson
188	R1	Yes	approved	10.2.1	RP-160881	Work Item on enhanced LAA for LTE	Ericsson, Huawei
189	R4	Yes	revised	10.1.5	RP-160882	New WID: Adding 1.4 and 3 MHz Channel Bandwidth to E-UTRA operating band 65 for CGC (Complementary Ground Component) operations in Region 1	HUGHES Network Systems Ltd
190		Yes	noted	10.1.5	RP-160883	Motivation for adding Channel Bandwidth to BAND 65 for Region 1	HUGHES Network Systems Ltd
191		Yes	noted	9.2.2	RP-160884	Summary of 3GPP RAN reflector discussion: [RAN#71-06] Energy Efficiency	ORANGE

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
192		Yes	revised	9.2.2	RP-160885	Text proposal to TR 38.913 from email discussion [RAN#71-06] Energy Efficiency	ORANGE
193		Yes	noted	9.2.2	RP-160886	Summary of 3GPP RAN reflector discussion: [RAN#71-07] Air-to-Ground Communications	ORANGE
194		Yes	revised	9.2.2	RP-160887	Text proposal to TR 38.913 from email discussion: [RAN#71-07] Air-to-Ground Communications	ORANGE
195		Yes	noted	9.2.2	RP-160888	Motivation for defining EMF related requirements	ORANGE

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
196		Yes	postponed	9.2.2	RP-160889	Text proposal on EMF related requirement	ORANGE
197	R5	Yes	postponed	13.1	RP-160890	New Work Item Proposal: UE Conformance Test Aspects – Radiated Performance of Multiple-antenna Receivers in the LTE UE	Intel Corporation (UK) Ltd
198		Yes	approved	10.8.4	RP-160891	TS 37.171 v1.0.0 User Equipment (UE) Performance Requirements for RAT-Independent Positioning Enhancements; for approval	NextNav

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
199	R5	Yes	approved	13.1	RP-160892	New WI proposal: Conformance Test Aspects – Indoor Positioning Enhancement Support for LTE and UMTS	NextNav

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
200		Yes	noted	9	RP-160893	AT&T Views on Phase 1 Acceleration of Next Generation Systems	AT&T
201	flag S	Yes	noted	10.2.7	RP-160894	Status report of WI Enhancement on Full-Dimension (FD) MIMO for LTE; rapporteur: Samsung	RAN1
202		Yes	noted	10.2.3	RP-160895	Status report for WI: Performance enhancements for high speed scenario in LTE; rapporteur: NTT DOCOMO, INC., Huawei, HiSilicon.	RAN4
203		Yes	noted	10.8.9	RP-160896	Status Report for WI Perf Part.: Dual Connectivity enhancements for LTE, rapporteur: NTT DOCOMO, INC.	RAN4

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
204		Yes	not treated	9	RP-160897	Initial comparison of the standard work on essential functionalities of Standalone/Non-standalone 5G NR standardization in RAN side	China Mobile Com. Corporation
205		Yes	not treated	9	RP-160898	SA2 status and time plan on 5G New Core	China Mobile Com. Corporation
206		Yes	revised	9.2.2	RP-160899	Clarification on mobility interruption time	China Mobile Com. Corporation
207		Yes	revised	9.2.3	RP-160900	Revision of SI: Study on New Radio Access Technology	NTT DOCOMO, INC.
208	flag T	Yes	revised	9.2.3	RP-160901	Status Report of Study on New Radio Access Technology	NTT DOCOMO, INC.
209		Yes	approved	10.6.7	RP-160902	Revision of SID of Study on enhancement of VoLTE	China Mobile Com. Corporation
210		Yes	noted	13.5.12	RP-160903	Status Report for UE Conformance Test Aspects - NB-IoT; rapporteur: CMCC	RAN5

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
211	flag T	Yes	noted	9.2.1	RP-160904	Status report of SI Study on channel model for frequency spectrum above 6 GHz; rapporteur: Samsung	RAN1
212	flag D	Yes	noted	10.6.9	RP-160905	Status Report for SI Study on Context Aware Service Delivery in RAN for LTE; rapporteur: CMCC	RAN3
213	R3	Yes	approved	10.6.9	RP-160906	Revised_Study on Context Aware Service Delivery in RAN for LTE	CMCC
214		Yes	noted	10.8.14	RP-160907	Status report of WI Perf. part: Interference Mitigation for Downlink Control Channels of LTE; rapporteur: Intel Corporation, ZTE	RAN4

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
215	R4	Yes	approved	10.8.14	RP-160908	Revision of WI: Interference Mitigation for Downlink Control Channels of LTE	Intel Corporation, ZTE
216	R4	Yes	revised	10.1.4	RP-160909	New WI Proposal: Enhanced CRS and SU-MIMO Interference Mitigation Performance Requirements for LTE	Intel Corporation, Huawei
217		Yes	not treated	10.1.4	RP-160910	Motivation for new WI proposal on Enhanced CRS Interference Mitigation for LTE	Intel Corporation
218	flag T	Yes	noted	10.2.14	RP-160911	Status report of WI: Measurement gap enhancement of LTE; rapporteur: Intel	RAN4
219	R4	Yes	approved	10.2.14	RP-160912	Revision of WI: LTE Measurement Gap Enhancement	Intel Corporation
220		Yes	noted	10.2.6	RP-160913	Status report of WI Core part: Radiated performance requirements for the verification of multi-antenna reception of UEs in LTE; rapporteur: Intel	RAN4
221	R4	Yes	approved	10.2.6	RP-160914	Revision of WI Core part: Radiated performance requirements for the verification of multi-antenna reception of UEs in LTE	Intel Corporation
222		Yes	not treated	10.9	RP-160915	Introduction of new UE categories for LTE	NTT DOCOMO, INC.

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
223		Yes	noted	9	RP-160916	Discussion on work plan of NR	ZTE Corporation, ZTE Microelectronics, Spreadtrum

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
224	R1, IOT	Yes	revised	10.1.1	RP-160917	New WI proposal on further enhancement of IoT for LTE	ZTE Corporation
225		Yes	not treated	10.1.1	RP-160918	Motivation of dynamic subframe configuration for TDD	ZTE Corporation
226	flag T	Yes	noted	10.8.10	RP-160919	Status Report of WI Perf. part: Multicarrier Load Distribution of UEs in LTE; rapporteur: ZTE	RAN4
227	flag D	Yes	revised	10.2.8	RP-160920	Status report on WI Core part: Further mobility enhancements in LTE; rapporteur: ZTE	RAN2
228	R2	Yes	approved	10.2.8	RP-160921	Revised WI Core part: Further mobility enhancements in LTE	ZTE Corporation
229	flag T	Yes	noted	10.6.8	RP-160922	Status report for SI Feasibility Study on LTE Advanced Carrier Aggregation of Band 3 and Band 39; rapporteur: ZTE	RAN4
230	R2	Yes	approved	10.2.5	RP-160923	Revised WID: Enhanced LWA (eLWA)	Intel Corporation
231	flag M	Yes	noted	10.2.5	RP-160924	Status report of WI Enhanced LWA; rapporteur: Intel Corporation	RAN2

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
232		Yes	noted	9.2.2	RP-160925	NR positioning	Intel Corporation
233		Yes	noted	10.1.1	RP-160926	Discussion on Further Enhancement of LAA for LTE	ZTE Corporation

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
234		Yes	noted	14.3.6	RP-160927	On eDRX cycles values addition - RAN3 CR update	NTT DOCOMO INC.
235	flag T	Yes	noted	10.8.13	RP-160928	Status report of WI Perf. part: Elevation Beamforming/Full-Dimension (FD) MIMO for LTE; rapporteur: Samsung	RAN4
236	R6	Yes	approved	12.1	RP-160929	New WI proposal: Perf. part: Extended Coverage GSM (EC-GSM) for support of Cellular Internet of Things	Ericsson LM
237		Yes	noted	11.4.1	RP-160930	Status report for SI: Study on Multi-Carrier Enhancements for UMTS, rapporteur: Huawei	RAN1
238		Yes	noted	11.2.2	RP-160931	Status report for WI: DTX/DRX enhancements in CELL_FACH, rapporteur: Huawei	RAN2
239		Yes	noted	10.8.2	RP-160932	Status report for WI: NarrowBand IoT (NB-IoT); rapporteur: Vodafone	RAN1
240	R1	Yes	approved	10.8.2	RP-160933	Revision of WI on NarrowBand IoT (NB-IoT)	Huawei
241	flag D	Yes	revised	10.2.12	RP-160934	Status report for WI: SRS (sounding reference signal) switching between LTE component carriers, rapporteur: Huawei	RAN1

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
242	R1	Yes	approved	10.2.12	RP-160935	Revision of WI on SRS (sounding reference signal) switching between LTE component carriers, rapporteur: Huawei	RAN1
243		Yes	revised	10.2.4	RP-160936	Status report for WI: Signalling reduction to enable light connection for LTE, rapporteur: Huawei	RAN2
244	R2	Yes	approved	10.2.4	RP-160937	Revision of WI: Signalling reduction to enable light connection for LTE, rapporteur: Huawei	Huawei, HiSilicon
245		Yes	revised	10.6.1	RP-160938	Status report for SI: Network Assistance for Network Synchronization in LTE; rapporteur: Huawei	RAN3
246	flag T	Yes	noted	10.3.3	RP-160939	Status report for WI: Enhancements of Base Station (BS) RF and EMC requirements for Active Antenna System (AAS), rapporteur: Huawei	RAN4
247	R4	Yes	approved	10.3.3	RP-160940	Revision of WI: Enhancements of Base Station (BS) RF and EMC requirements for Active Antenna System (AAS), rapporteur: Huawei	Huawei
248	flag T	Yes	noted	10.8.3	RP-160941	Status report for WI Perf Part: Base Station (BS) RF requirements for Active Antenna System (AAS), rapporteur: Huawei	RAN4

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
249	flag D	Yes	revised	10.6.11	RP-160942	Status report for SI: LTE bandwidth flexibility enhancements; rapporteur: Huawei	RAN4
250		Yes	revised	10.6.11	RP-160943	Revised of SI: LTE bandwidth flexibility enhancements; rapporteur: Huawei	RAN4
251		Yes	noted	10.4.3	RP-160944	Status report for WI: LTE Advanced inter-band CA Rel-14 for 3DL/1UL; rapporteur: Huawei	RAN4
252	R4	Yes	approved	10.4.3	RP-160945	Revised WID: LTE Advanced inter-band CA Rel-14 for 3DL/1UL	Huawei, HiSilicon
253		Yes	noted	10.4.6	RP-160946	Status report for WI: LTE Advanced inter-band CA Rel-14 for 2DL/2UL; rapporteur: Huawei	RAN4
254	R4	Yes	approved	10.4.6	RP-160947	Revised WID: LTE Advanced inter-band CA Rel-14 for 2DL/2UL	Huawei, HiSilicon
255		Yes	noted	13.4.5	RP-160948	Status report for WI: UE Conformance Test Aspects - E-UTRA small cell enhancements - Physical layer aspects; rapporteur: Huawei	RAN5
256		Yes	noted	13.5.11	RP-160949	Status report for WI: UE Conformance Test Aspects - Introduction of 1447-1467MHz Band for TD-LTE in China; rapporteur: Huawei	RAN5
257		Yes	noted	13.5.7	RP-160950	Status report for WI: UE Conformance Test Aspects - Support of single-cell point-to-multipoint transmission in LTE; rapporteur: Huawei	RAN5

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
258	R1	Yes	revised	10.1.1	RP-160951	New WID: High-Performance eMTC (HeMTC) for LTE	Intel Corporation
259		Yes	noted	10.1.1	RP-160952	Motivation for New WI: High-Performance eMTC (HeMTC) for LTE	Intel Corporation
260	flag T	Yes	noted	10.6.10	RP-160953	Status report of SI: Further enhancements to Coordinated Multi-Point (CoMP) Operation for LTE; rapporteur: Intel Corporation	RAN1
261	R1	Yes	approved	10.6.10	RP-160954	Revised SID: Further enhancements to Coordinated Multi-Point (CoMP) Operation for LTE	Intel Corporation, ZTE

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
262		Yes	noted	10.9	RP-160955	Support of 256QAM for UE categories 6/7/9/10	Intel Corporation, Apple, AT&T, Bell Mobility, BOUYGUES Telecom, China Telecom, China Unicom, Ericsson, KPN, LG Electronics, Orange, Reliance–Jio, Rogers Communications, Sprint, Swisscom, Telstra, T-Mobile USA, US Cellular, Verizon Wireless, Vodafone
263		Yes	rejected	10.9	RP-160956	Support of 256QAM for UE categories 6,7,9 and 10	Intel Corporation, Vodafone
264		Yes	rejected	10.9	RP-160957	Support of 256QAM for UE categories 6,7,9 and 10	Intel Corporation, Vodafone
265		Yes	noted	10.6.1	RP-160958	TR 36.898 v2.0.0 on Study on Network Based Synchronization for LTE; for approval	Huawei

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
266		Yes	approved	14.3.6	RP-160959	Additional eDRX cycle value	NTT DOCOMO INC.
267		No	withdrawn	14.3.6	RP-160960	Additional eDRX cycle value	NTT DOCOMO INC.
268		Yes	revised	9.2.2	RP-160961	pCR to update the text on deployment scenarios and KPI values in the TR38.913 [RAN#71-03] (Part 1)	NTT DOCOMO, INC.
269		Yes	approved	9.2.2	RP-160962	pCR to update the text on deployment scenarios and KPI values in the TR38.913 [RAN#71-03] (Part 2)	NTT DOCOMO, INC.
270		Yes	approved	9.2.2	RP-160963	pCR to update the text on deployment scenarios and KPI values in the TR38.913 [RAN#71-03] (Part 3)	NTT DOCOMO, INC.
271		Yes	approved	9.2.2	RP-160964	pCR to update the text on deployment scenarios and KPI values in the TR38.913 [RAN#71-03] (Part 4)	NTT DOCOMO, INC.
272		Yes	approved	9.2.2	RP-160965	pCR to update the text on deployment scenarios and KPI values in the TR38.913 [RAN#71-03] (Part 5)	NTT DOCOMO, INC.

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
273		Yes	revised	9.2.2	RP-160966	pCR to update the text on deployment scenarios and KPI values in the TR38.913 [RAN#71-03] (Part 6)	NTT DOCOMO, INC.
274		Yes	approved	9.2.2	RP-160967	pCR to update the text on deployment scenarios and KPI values in the TR38.913 [RAN#71-03] (Part 7)	NTT DOCOMO, INC.

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
275		Yes	revised	9.2.2	RP-160968	pCR to update the text on deployment scenarios and KPI values in the TR38.913 [RAN#71-03] (Part 8)	NTT DOCOMO, INC.
276		Yes	approved	9.2.2	RP-160969	pCR to update the text on deployment scenarios and KPI values in the TR38.913 [RAN#71-03] (Part 9)	NTT DOCOMO, INC.
277		Yes	approved	9.2.2	RP-160970	pCR to update the text on deployment scenarios and KPI values in the TR38.913 [RAN#71-03] (Part 10)	NTT DOCOMO, INC.
278		Yes	noted	13.4.8	RP-160971	Status Report for WI: UE Conformance Test Aspects - Further Enhancements to LTE TDD for DL-UL Interference Management and Traffic Adaptation; rapporteur: CATT	RAN5

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
279		Yes	noted	10.6.11	RP-160972	TR 36.740 v1.0.0: Study on LTE bandwidth flexibility enhancements; for approval	Huawei Tech.(UK) Co., Ltd
280		Yes	approved	10.8.2	RP-160973	TR 36.802 V1.0.0: NB-IoT Technical Report for BS and UE radio transmission and reception; for approval	Huawei Tech.(UK) Co., Ltd
281		Yes	revised	11.4.1	RP-160974	TR 25.707 v1.0.0 on Multi-Carrier Enhancements for UMTS, for approval	HUAWEI TECHNOLOGIES Co. Ltd.
282	R2	Yes	revised	10.1.2	RP-160975	New Work Item on Enhanced LWIP for LTE	Nokia, Alcatel-Lucent Shanghai Bell
283		Yes	noted	10.1.2	RP-160976	Motivation for New Work Item on Enhanced LWIP for LTE	Nokia, Alcatel-Lucent Shanghai Bell
284		Yes	revised	9.2.1	RP-160977	5G channel modeling way forward	Ericsson LM

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
285		Yes	revised	10.8.2	RP-160978	Draft LS on completion of Cellular IoT related work items	Ericsson LM
286		No	withdrawn	9.2.2	RP-160979	RAN decisions with significant security impacts	NEC EUROPE LTD
287	R2	Yes	revised	10.1.2	RP-160980	New WI proposal on UL data compression in LTE	CATT, CMCC, Qualcomm Incorporated
288		Yes	noted	9.2.2	RP-160981	Report of email discussion [RAN#71-04] LTE/NR coexistence	Huawei

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
289		Yes	noted	9.2.2	RP-160982	Report of email discussion [RAN#71-09] Harmonization of verticals	Huawei
290		Yes	noted	9.2.2	RP-160983	Proposal of additional KPI on signalling overhead	Huawei, HiSilicon

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
291		Yes	revised	9.2.2	RP-160984	Text proposal to TR38.913 on remaining requirements	Huawei, HiSilicon
292		Yes	noted	9.2.2	RP-160985	On evaluation method of scenarios and KPIs	Huawei, HiSilicon
293		Yes	noted	9.2.1	RP-160986	On channel modeling for the study of the new radio	Huawei, HiSilicon

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
294		No	withdrawn	9	RP-160987	Views on 5G schedule and phases	Huawei, HiSilicon
295		Yes	noted	9.2.2	RP-160988	Discussion of Scenarios for Connected Vehicles and Automated Driving	Huawei, HiSilicon
296		Yes	revised	10.1.2	RP-160989	Motivation on introduction of UL data compression in LTE	CATT, CMCC
297	R2	Yes	revised	11.1	RP-160990	New WI proposal: Multi-Carrier Enhancements for UMTS	Huawei, HiSilicon
298		Yes	noted	11.1	RP-160991	Motivation for new WI proposal on Multi-Carrier Enhancements for UMTS	Huawei, HiSilicon
299		Yes	noted	10.1.1	RP-160992	Motivation for Reduced Latency TDD Frame Structure for LTE	Huawei, HiSilicon
300	R1	Yes	revised	10.1.1	RP-160993	New WI proposal: Further Enhancements to Licensed-Assisted Access using LTE	Huawei, HiSilicon
301		Yes	noted	10.1.1	RP-160994	Motivation for new WI on Further Enhancements to Licensed-Assisted Access using LTE	Huawei, HiSilicon

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
302	R1, IOT	No	withdrawn	10.1.1	RP-160995	New WI proposal: Enhancements of NB-IoT	Huawei, HiSilicon
303		Yes	noted	10.1.1	RP-160996	Motivation for new WI proposal: Enhancements of NB-IoT	Huawei, HiSilicon
304		Yes	noted	10.1.1	RP-160997	Scope of Rel-14 further enhancements of eMTC	Huawei, HiSilicon
305	R1	Yes	postponed	10.1.1	RP-160998	New WI proposal: LTE bandwidth flexibility enhancements	Huawei, HiSilicon
306		Yes	noted	10.1.1	RP-160999	Motivation for new WI proposal on LTE bandwidth flexibility enhancements	Huawei, HiSilicon

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
307		Yes	revised	10.1.1	RP-161000	Motivation for new WI proposal on LTE V2X	Huawei, HiSilicon
308	R3	Yes	revised	10.1.3	RP-161001	New work item proposal: Network Assistance for Network Synchronization in LTE	Huawei, HiSilicon
309		Yes	noted	10.1.3	RP-161002	Motivation for new WI on Network Assistance for Network Synchronization in LTE	Huawei, HiSilicon
310		Yes	not treated	10.1.4	RP-161003	Motivation for new work item on performance requirements for LTE advanced receiver with 4Rx	Huawei, HiSilicon
311	R4	Yes	revised	10.1.4	RP-161004	New study item proposal: Study on multi-node testing for LAA	Huawei, HiSilicon

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
312		Yes	noted	10.1.4	RP-161005	Motivation for new study item on multi-node testing for LAA	Huawei, HiSilicon
313		Yes	not treated	10.1.1	RP-161006	Discussion on Rel-13 NB-IoT evaluations	Huawei, HiSilicon
314		Yes	not treated	10.9	RP-161007	New UE DL categories for 1.2 Gbps and 1.6 Gbps for Rel-13	Huawei, HiSilicon, Huawei Device, Sprint, Orange, HTC
315		Yes	noted	10.6.12	RP-161008	Motivation paper on SI scope for wearable devices	Huawei, HiSilicon
316	R1	Yes	postponed	10.1.1	RP-161009	New WI proposal: Advanced Carrier Aggregation Techniques for LTE	Huawei, HiSilicon
317		Yes	noted	10.1.1	RP-161010	Motivation for new WI proposal: Advanced Carrier Aggregation Techniques for LTE	Huawei, HiSilicon
318		Yes	revised	9	RP-161011	NR schedule	Samsung
319		Yes	revised	10.8.12	RP-161012	Draft Response Letter to the Right Honourable Mayor of New York City (to: Mayor of New York City; cc: FCC, WiFi Alliance, IEEE 802 LMSC; contact: Huawei)	Huawei Tech.(UK) Co., Ltd

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
320		Yes	revised	9.2.2	RP-161013	pCR to TR 38.913 on Multimedia Broadcast/Multicast Service	EBU
321		Yes	revised	10.4.9	RP-161014	TR 36.858 V1.0.0: LTE 2.6 GHz FDD SDL band (2570-2620 MHz) for Region 1	ORANGE
322		Yes	noted	9	RP-161015	Considerations on 5G-NR schedule	Orange, Telefonica, Telenor, Dish Networks, Swisscom
323		Yes	noted	10.6.5	RP-161016	Status Report for SI Study on HSPA and LTE Joint Operation; rapporteur: China Unicom	RAN3
324		Yes	noted	10.6.5	RP-161017	TR 37.805 v1.0.0: Study on UMTS and LTE Joint Operation	China Unicom
325	flag D	Yes	revised	10.2.13	RP-161018	Status Report for WI: Downlink Multiuser Superposition Transmission for LTE; rapporteur: Mediatek	RAN1
326	R1	Yes	approved	10.2.13	RP-161019	Revised WID: Downlink Multiuser Superposition Transmission for LTE	MediaTek Inc.
327	R1, IOT	Yes	rejected	10.1.1	RP-161020	New Work Item Proposal: NB-IoT Enhancements	MediaTek Inc.
328		Yes	noted	10.1.1	RP-161021	Motivation for NB-IoT Enhancements	MediaTek Inc.
329		Yes	noted	10.2.10	RP-161022	Status report for WI Core part: L2 latency reduction techniques for LTE; rapporteur: Ericsson	RAN2

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
330		Yes	noted	9.2.3	RP-161023	NB-IoT for mMTC in NR	MediaTek Inc.
331		Yes	approved	10.6.2	RP-161024	TR 36.881 v1.0.0 Study on Latency reduction techniques for LTE	Ericsson
332	flag D	Yes	revised	10.8.5	RP-161025	Status report of WI Perf. part: Further LTE Physical Layer Enhancements for MTC; rapporteur: Ericsson	RAN4

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
333		Yes	revised	10.8.1	RP-161026	TS 37.144 v2.0.0 on User Equipment (UE) and Mobile Station (MS) GSM, UTRA and E-UTRA over the air performance requirements	Nokia
334		Yes	revised	10.8.1	RP-161027	Revised WID: LTE UE TRP and TRS and UTRA Hand Phantom related UE TRP and TRS Requirements	Nokia
335	flag M, D	Yes	revised	10.8.1	RP-161028	Status report for WI Core part: LTE UE TRP & TRS and UTRA Hand Phantom related UE TRP and TRS Requirements; rapporteur: Nokia	RAN4
336	R6	Yes	approved	12.1	RP-161029	New Work Item on Dedicated Core Networks for GERAN	Ericsson LM
337		Yes	noted	10.4.8	RP-161030	Status report of LTE Advanced Inter-band CA Rel-14 for 3DL/3UL; rapporteur: Nokia	RAN4
338		Yes	noted	12.1	RP-161031	On the Introduction of Dedicated Core Networks in GERAN	Ericsson LM
339		No	withdrawn	10.8.11	RP-161032	UE Demodulation Requirements for DL PDSCH SDR requirements with single carrier and 4Rx	Ericsson GmbH, Eurolab

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
340	R6	Yes	revised	12.1	RP-161033	New Work Item on Positioning Enhancements for GERAN	Ericsson LM
341		Yes	noted	12.1	RP-161034	Positioning Enhancements for GERAN – introducing TA trilateration	Ericsson LM
342	R2	Yes	revised	10.1.2	RP-161035	New Work Item for Enhancing Utilization of CA for LTE	Nokia, Alcatel-Lucent Shanghai Bell

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
343		Yes	noted	10.1.2	RP-161036	Motivation for New Work Item for Enhancing Utilization of CA for LTE	Nokia, Alcatel-Lucent Shanghai Bell
344		Yes	noted	10.1.1	RP-161037	Rel-14 NB-IoT and eMTC enhancement considerations	Nokia Networks Oy
345		Yes	noted	9.2.3	RP-161038	Support for unlicensed bands in New Radio	Nokia, Alcatel-Lucent Shanghai Bell
346		Yes	revised	10.1.1	RP-161039	Motivation for further enhancement of IoT	ZTE Corporation
347		Yes	approved	10.4.10	RP-161040	Introduction of band 70	RAN3

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
348		Yes	approved	10.4.9	RP-161041	Introduction of 2.6 GHz SDL band	RAN3
349		Yes	approved	10.8.2	RP-161042	NB-IoT CRs	RAN3
350		Yes	approved	14.3.6	RP-161043	TEI13 CRs	RAN3
351	R1	Yes	revised	10.1.1	RP-161044	New WID for LTE: Latency reduction by processing time reduction	Nokia, Alcatel-Lucent Shanghai Bell
352		Yes	noted	10.1.1	RP-161045	Motivation for new WID on latency reduction by processing time reduction	Nokia, Alcatel-Lucent Shanghai Bell
353		Yes	approved	14.3.6	RP-161046	LTE-WLAN Radio Level Integration CRs	RAN3
354	flag M	Yes	partially approved	14.3.6	RP-161047	Misc Rel-13 CRs	RAN3
355		Yes	noted	9.2.2	RP-161048	Summary of email discussion [RAN#71-05] High availability	TeliaSonera AB
356		Yes	approved	14.3.5	RP-161049	TEI12 CRs	RAN3
357		Yes	approved	9.2.2	RP-161050	Text proposal adding operational requirements on high availability to the TR 38.913	TeliaSonera AB

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
358	R4	Yes	revised	10.1.5	RP-161051	New WI: Citizens Broadband Radio Service (CBRS) 3.5GHz band for LTE in the United States	Nokia, Qualcomm

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
359	R4	Yes	approved	10.4.5	RP-161052	Revised WI: LTE Advanced inter-band CA Rel-14 for 5DL/1UL	Nokia
360		Yes	noted	10.4.5	RP-161053	Status Report: LTE Advanced inter-band CA Rel-14 for 5DL/1UL; rapporteur: Nokia	RAN4
361	R6	Yes	revised	12.1	RP-161054	New SID: Study on Downlink MIMO for GERAN	Nokia, Alcatel-Lucent Shanghai Bell
362		Yes	noted	12.1	RP-161055	Motivation for new SID on Downlink MIMO for GERAN	Nokia, Alcatel-Lucent Shanghai Bell
363		Yes	approved	8.2	RP-161056	Reply LS to ITU-R WP5D/TEMP/39(Rev.2) = RP-160508 on Characteristics of terrestrial IMT systems for frequency sharing/interference analysis in the frequency range between 24.25 GHz and 86 GHz (to: ITU-R WP5D; cc: RAN1, RAN4; contact: Nokia)	RAN
364	flag T	Yes	revised	10.8.12	RP-161057	Status Report: Perf. part: Licensed-Assisted Access using LTE; rapporteur: Ericsson	RAN4

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
365		Yes	postponed	10.8.1	RP-161058	Clarification TP for TS 37.144	BlackBerry UK Limited
366		Yes	noted	10.8.1	RP-161059	Discussion on TRP/TRS requirements development	BlackBerry UK Limited
367	R1	Yes	revised	10.1.1	RP-161060	New Study Item: Study on Evaluation of Rel-13 NB-IoT	Huawei Tech.(UK) Co., Ltd
368		Yes	approved	14.1.6	RP-161061	Correction on RLM for PSCell in dual connectivity	RAN1
369		Yes	approved	14.1.6	RP-161062	Maintenance of Release 13 LTE carrier aggregation enhancement beyond 5 carriers	RAN1

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
370		Yes	approved	14.1.6	RP-161063	Maintenance of Release 13 elevation beamforming/full-dimension MIMO for LTE	RAN1
371		Yes	approved	14.1.6	RP-161064	Correction on search space to decode the PDCCH configured by the SC-N-RNTI	RAN1
372		Yes	partially approved	14.1.6	RP-161065	Maintenance of Release 13 licensed-assisted access to unlicensed spectrum	RAN1
373		Yes	approved	14.1.6	RP-161066	Maintenance of Release 13 Further LTE Physical Layer Enhancements for MTC	RAN1
374		Yes	approved	10.8.2	RP-161067	Introduction of Rel-13 NB-IoT feature to LTE RAN1specs	RAN1
375		Yes	approved	14.1.5	RP-161068	Correction on RRC parameter for configuring new TBSs	RAN1
376		Yes	approved	14.1.6	RP-161069	Corrections SRS dropping in CA in 36.213	RAN1
377		Yes	approved	14.1.6	RP-161070	Introduction of 60ms periodicity for wideband CQI/PMI reporting	RAN1
378	R5	Yes	approved	13.1	RP-161071	New Work Item Proposal: UE Conformance Test Aspects – Further Enhancements of Minimization of Drive Tests for E-UTRAN	Intel Corporation (UK) Ltd
379		Yes	not treated	10.1.4	RP-161072	Motivation for defining requirements for Cat.1 devices with a single receiver	Qualcomm Incorporated
380		Yes	approved	14.2.1	RP-161073	RAN2 agreed CRs on drb-identity change in full configuration	RAN2

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
381	flag M	Yes	rejected	10.9	RP-161074	RAN2 technically endorsed CRs on Split of DL and UL category 4	RAN2
382		Yes	approved	10.8.14	RP-161075	RAN2 agreed CR on Support of CRS-Assistance signaling for the DL Control Channel IM	RAN2
383		Yes	approved	14.2.3	RP-161076	RAN2 agreed CRs on Various Rel-10 LTE related Work Items	RAN2
384		Yes	approved	14.2.4	RP-161077	RAN2 agreed CRs on Various Rel-11 LTE related Work Items	RAN2
385		Yes	approved	14.2.5	RP-161078	RAN2 agreed CRs on Various Rel-12 LTE related Work Items	RAN2
386		Yes	approved	14.2.5	RP-161079	RAN2 agreed CRs on Various Rel-12 UMTS related Work Items	RAN2

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387	flag M	Yes	partially approved	14.2.6	RP-161080	RAN2 agreed CRs on Various Rel-13 LTE related Work Items	RAN2
388	flag M, D	Yes	partially approved	10.8.2	RP-161081	RAN2 agreed CRs on NB_IOT-Core Work Items	RAN2
389		Yes	approved	14.2.6	RP-161082	RAN2 agreed CRs on Various Rel-13 LTE and UMTS related Work Items	RAN2

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
390		Yes	approved	14.2.6	RP-161083	RAN2 agreed CRs on Various Rel-13 UMTS related Work Items	RAN2
391	R4	Yes	revised	10.1.4	RP-161084	New Work Item Proposal: Requirements for Category 1 UEs with Single Receiver for LTE	Qualcomm Incorporated
392	flag S	Yes	noted	13.5.4	RP-161085	Status report for WI UE Conformance Test Aspects – Rel-13 Licensed-Assisted Access using LTE; rapporteur: Motorola Mobility	RAN5
393	flag S	Yes	noted	10.4.2	RP-161086	Status report for WI LTE Advanced inter-band Carrier Aggregation Rel-14 for 2DL/1UL; rapporteur: Qualcomm	RAN4
394		Yes	revised	10.4.2	RP-161087	Revised WID: LTE Advanced inter-band Carrier Aggregation Rel-14 for 2DL/1UL	Qualcomm
395	flag S, T	Yes	noted	13.5.8	RP-161088	Status report for WI UE Conformance Test Aspects - WLAN/3GPP Radio Level Integration and Interworking Enhancement Interworking; rapporteur: Intel	RAN5
396	flag S	Yes	noted	10.8.7	RP-161089	Status report for WI Perf. part: Enhanced LTE Device to Device Proximity Services; rapporteur: Qualcom	RAN4
397		Yes	postponed	9.2.3	RP-161090	Skeleton TR for 38.912 on Study on New Radio Access Technology	NTT DOCOMO

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
398		Yes	approved	10.8.2	RP-161091	Introduction of NB-IoT functionality to PDCP protocol	Qualcomm
399		Yes	revised	9.2.1	RP-161092	TR 38.900 v1.0.0 on Study on channel model for frequency spectrum above 6 GHz; for information	Samsung
400	flag S	Yes	noted	13.4.1	RP-161093	Status report for WI UE Conformance Test Aspects - DCH Enhancements for UMTS; rapporteur: Qualcomm	RAN5
401	flag S	Yes	noted	13.4.2	RP-161094	Status report for WI UE Conformance Test Aspects – LTE Device-to-Device Proximity Services; rapporteur: Qualcomm	RAN5
402	flag S	Yes	noted	13.5.9	RP-161095	Status report for WI UE Conformance Test Aspects - RAN enhancements for extended DRX in LTE; rapporteur: Qualcomm	RAN5
403		Yes	noted	10.9	RP-161096	Discussion of 256QAM for UE categories 6-10	Qualcomm
404		Yes	not treated	10.9	RP-161097	Introduction of new UE categories for LTE	Qualcomm
405	R1	Yes	not treated	10.1.1	RP-161098	New WI proposal for DL 1024QAM in LTE	Qualcomm
406	R1, IOT	Yes	rejected	10.1.1	RP-161099	New WI proposal for LTE MTC and NB-IoT enhancements	Qualcomm

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407		Yes	approved	9.2.2	RP-161100	Satellite in NR - Text Proposal	Dish Network
408	flag S, T	Yes	noted	13.4.7	RP-161101	Status report for WI UE Conformance Test Aspects: Network-Assisted Interference Cancellation and Suppression for LTE; rapporteur: Mediatek	RAN5
409	flag S	Yes	noted	13.2.1	RP-161102	Status report for WI UE Conformance Test Aspects - Multimedia Telephony Services for IMS (MTSI) over fixed access; rapporteur: Telecom Italia	RAN5
410		Yes	noted	10.1.5	RP-161103	Motivation for a 3.5 GHz new TDD band proposal in US	Qualcomm Incorporated, Nokia, Federated Wireless Inc, Ruckus Wireless, Intel Corporation, T-Mobile USA, CableLabs, Google, AT&T
411		Yes	noted	10.1.3	RP-161104	Motivation for new SID on inter-eNB LTE Carrier Aggregation with Non-ideal Backhaul	China Telecom
412	R3	Yes	postponed	10.1.3	RP-161105	New SI: Study on inter-eNB LTE Carrier Aggregation with Non-ideal Backhaul	China Telecom

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413		Yes	noted	9.2.2	RP-161106	LS on Recommendations for NGMN KPIs and Requirements for 5G (NGMN_LS_160603; to: RAN; cc: -; contact: CMCC)	NGMN Alliance
414		Yes	approved	10.4.2	RP-161107	Introduction of completed R14 2DL band combinations to TS 36.101	Qualcomm
415		Yes	revised	9.2.1	RP-161108	TR 38.900 v1.0.1 on Study on channel model for frequency spectrum above 6 GHz; for information	Samsung
416		Yes	revised	10.1.1	RP-161109	New Work Item on shortened TTI and processing time for LTE	Ericsson
417		Yes	revised	10.8.12	RP-161110	DRAFT] Reply LS to IEEE_802_LMSC_LS_160521 = RP-160729 on Rel-13 LAA specifications (to:IEEE 802 LMSC; cc: RAN1, RAN4, IEEE 802.19 Coexistence WG; contact: RAN chair (Qualcomm))	RAN chair (Qualcomm), RAN1 chair (NTT DOCOMO)
418		No	withdrawn	14.2.2	RP-161111	RAN2 agreed CR on Correction of ECID positioning for TDD	RAN2
419		Yes	revised	14.2.6	RP-161112	NAS timer settings for eMTC	Ericsson
420		Yes	revised	14.2.6	RP-161113	Draft LS on Enhanced coverage impacts on NAS timers in eMTC (to: RAN3, CT1; cc: SA2; contact: Ericsson)	Ericsson

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421		Yes	noted	10.9	RP-161114	Motivation for Split of DL and UL category 4	SEQUANS
422	flag S, T	Yes	noted	10.6.3	RP-161115	Status report of SI: Feasibility Study on LTE-based V2X Services; rapporteur: LG Electronics	RAN1
423		Yes	approved	10.4.1	RP-161116	LTE Advanced intra-band CA for xDL/yUL including contiguous and non-contiguous spectrum	RAN4
424	flag M	Yes	partially approved	10.4.2	RP-161117	LTE Advanced inter-band CA Rel-14 for 2DL/1UL	RAN4
425		Yes	approved	10.4.3	RP-161118	LTE Advanced inter-band CA Rel-14 for 3DL/1UL	RAN4
426		Yes	approved	10.4.4	RP-161119	LTE Advanced inter-band CA Rel-14 for 4DL/1UL	RAN4

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
427	flag M	Yes	approved	10.4.4	RP-161120	LTE Advanced inter-band CA Rel-14 for 4DL/1UL, B2_B4_B12_B12, B4_B4_B12_B12 and B4_B5_B12_B12	RAN4
428		Yes	approved	10.4.5	RP-161121	LTE Advanced inter-band CA Rel-14 for 5DL/1UL	RAN4
429		Yes	approved	10.4.6	RP-161122	LTE Advanced inter-band CA Rel-14 for 2DL/2UL	RAN4
430		Yes	approved	10.4.7	RP-161123	LTE Advanced inter-band CA Rel-14 for xDL/2UL with x=3,4,5	RAN4
431		Yes	approved	10.4.9	RP-161124	LTE 2.6 GHz FDD Supplemental DL band (2570-2620 MHz) and LTE CA (2DL/1UL) with Band 3 for region 1	RAN4
432		Yes	approved	10.4.10	RP-161125	AWS-3/4 Band for LTE	RAN4
433	flag M	Yes	partially approved	10.8.2	RP-161126	RAN4 CRs to Narrowband Internet of Things (IOT) - Core part	RAN4
434		Yes	approved	10.8.3	RP-161127	RAN4 CRs to Base Station (BS) RF requirements for Active Antenna System (AAS) - Perf Part	RAN4
435		Yes	approved	10.8.5	RP-161128	RAN4 CRs to Further LTE Physical Layer Enhancements for MTC - Perf Part	RAN4
436		Yes	approved	10.8.6	RP-161129	RAN4 CRs to LTE Carrier Aggregation Enhancement Beyond 5 Carriers - Perf Part	RAN4

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
437		Yes	approved	10.8.7	RP-161130	RAN4 CRs to Enhanced LTE Device to Device Proximity Services - Perf Part	RAN4
438		Yes	partially approved	10.8.8	RP-161131	RAN4 CRs to Performance requirements of MMSE-IRC receiver for LTE BS - Perf Part	RAN4
439		Yes	approved	10.8.9	RP-161132	RAN4 CRs to Dual Connectivity enhancements for LTE - Perf Part	RAN4
440		Yes	approved	10.8.11	RP-161133	RAN4 CRs to LTE DL 4 Rx antenna ports - Perf Part	RAN4
441		Yes	approved	10.8.12	RP-161134	RAN4 CRs to Licensed-Assisted Access using LTE - Perf Part	RAN4
442		Yes	approved	10.8.13	RP-161135	Elevation Beamforming/Full-Dimension (FD) MIMO for LTE	RAN4
443		Yes	approved	10.8.14	RP-161136	RAN4 CRs to Interference mitigation for downlink control channels of LTE - Perf Part	RAN4
444		Yes	approved	14.4.1	RP-161137	RAN4 CRs to closed Rel-8 WIs and WIs of previous releases	RAN4
445		Yes	approved	14.4.2	RP-161138	RAN4 CRs to closed Rel-9 WIs (incl. TEI9)	RAN4
446		Yes	approved	14.4.3	RP-161139	RAN4 CRs to closed Rel-10 WIs (incl. TEI10)	RAN4
447		Yes	approved	14.4.4	RP-161140	RAN4 CRs to closed Rel-11 WIs (incl. TEI11)	RAN4

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
448		Yes	approved	14.4.5	RP-161141	RAN4 CRs to closed Rel-12 WIs (incl. TEI12)	RAN4

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449		Yes	approved	14.4.6	RP-161142	RAN4 CRs to closed Rel-13 WIs (incl. TEI13)	RAN4
450		Yes	noted	9.2.3	RP-161143	Unlicensed standalone operations for 5G NR	CableLabs
451		Yes	approved	14.1.5	RP-161144	Maintenance of DCH Enhancements for UMTS	RAN1
452		Yes	not treated	10.1.4	RP-161145	Concurrencies of Advanced Receiver Features and UE Capabilities	Qualcomm

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
453		Yes	approved	11.4.1	RP-161146	TR 25.707 v1.0.1 on Multi-Carrier Enhancements for UMTS, for approval	HUAWEI TECHNOLOGIES Co. Ltd.
454		Yes	revised	10.1.2	RP-161147	New WI proposal on UL data compression in LTE	CATT, CMCC, Qualcomm Incorporated
455		Yes	noted	10.1.2	RP-161148	Motivation on introduction of UL data compression in LTE	CATT, CMCC
456		Yes	noted	10.1.1	RP-161149	LTE Latency Reduction Work Item Planning	Qualcomm
457		Yes	postponed	10.1.1	RP-161150	New WI proposal on LTE standalone and dual connectivity operation in unlicensed spectrum	Qualcomm
458		Yes	not treated	10.1.1	RP-161151	Motivation for WID on DL 1024QAM for LTE	Qualcomme
459		Yes	noted	10.1.1	RP-161152	Motivation for WID on LTE MTC and NB-IoT enhancements	Qualcomm
460	flag S	Yes	revised	10.2.1	RP-161153	Status report for WI Enhanced LAA for LTE; rapporteur: Ericsson	RAN1

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461		Yes	noted	9	RP-161154	Proposal for 5G-NR schedule adjustment and further definition	Vodafone, AT&T, China Mobile, China Unicom, KDDI, NTT DOCOMO, SouthernLINC, Sprint, Telus, Acer, Ericsson, Hitachi, HTC, Huawei, Intel, ITRI, Mediatek, Mitsubishi Electric, Nokia, Qualcomm, Sony

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462		No	withdrawn	14.2.6	RP-161155	eDRX Paging Hyper-Frame and PTW_Start Calculation	NTT DOCOMO, Intel
463		Yes	revised	14.2.6	RP-161156	Draft LS on eDRX Paging Hyper-frame and PTW_Start Calculation (to: RAN2, RAN3, SA2; cc: CT1, CT4; contact: NTT DOCOMO)	NTT DOCOMO
464		Yes	not treated	14.2.6	RP-161157	Motivation for CR on eDRX Paging Hyper-Frame and PTW_Start Calculation	Intel, NTT DOCOMO, Samsung

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465		Yes	revised	8.4	RP-161158	Draft reply letter to ITU-R WP5D in reply to ITU-R WP1A/TEMP/100 = RP-151138 on Report ITU-R SM.[SMART_GRID] on the Smart Grid project (to: SA; cc: -; contact: Ericsson)	Ericsson

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466	flag S, T	Yes	revised	10.6.12	RP-161159	Status report for SI: Further Enhancements to LTE Device to Device, UE to Network Relays for IoT and Wearables; rapporteur: Qualcomm Incorporated	RAN2
467		Yes	revised	10.1.4	RP-161160	New WI proposal: LTE UE TRP and TRS Requirements	Vodafone
468	flag S T	Yes	noted	10.2.4	RP-161161	Status report for WI: Core part: Signalling reduction to enable light connection for LTE, rapporteur: Huawei	RAN2
469	flag S, M	Yes	noted	10.2.13	RP-161162	Status Report for WI: Downlink Multiuser Superposition Transmission for LTE; rapporteur: Mediatek	RAN1
470		Yes	noted	10.8.2	RP-161163	Correction of Paging UE_ID for NB-IOT	Sequans Communications

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471	flag S	Yes	approved	10.4	RP-161164	RAN4 CR for 36.101 Section 5 operating bands (clean-up)	RAN4
472		Yes	noted	14.2.6	RP-161165	LS on RAN2 agreements on eDRX Paging Hyper-frame Calculation (R2-164575; to: RAN3, SA2; cc: CT1, CT4, RAN; contact: Samsung)	RAN2
473		Yes	noted	9	RP-161166	LS on 5G policy developments in Europe (EC_LS_160609; to: RAN; cc: -; contact: EC)	EC
474		Yes	noted	9.2.2	RP-161167	LS on Vertical industry application perspectives and implications for 5G (NGMN_LS_160610; to: RAN, SA, SA1; cc: -; contact: Bell)	NGMN Alliance

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475	flag S	Yes	approved	14.4.6	RP-161168	RAN4 CR for Rel-13 closed CA-Perf WIs	RAN4

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476		Yes	noted	9.2.3	RP-161169	On unlicensed standalone as part of the 5G NR study item	Qualcomm, Ericsson, Sprint, Dish, RED Technologies SAS, Ruckus
477		Yes	revised	17	RP-161170	Status of time budgets for RAN1/2/3/4 REL-13 & beyond WIs/SIs after RAN #72	RAN1/RAN2/RAN3/RAN4 chairmen

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
478		Yes	revised	8.4	RP-161171	Draft Reply LS to ITU-R WP5A/TEMP/1r1 = RP-160721 and and ITU-R WP5C/TEMP/16-E = RP-160722 on Technical/operational characteristics of the land mobile & fixed service applications & spectrum associated to WRC-19 agenda item 1.15 (to: ITU-R WP5A, WP5C)	Telecom Italia
479		Yes	approved	3	RP-161172	Agenda for RAN #72 held in Busan, Korea, 13.06.-16.06.2016	RAN chairman (Qualcomm)
480		Yes	noted	10.1.1	RP-161173	Motivation for new WI proposal on LTE V2X	Huawei, HiSilicon
481		Yes	withdrawn	10.1.1	RP-161174	New WID for LTE: Latency reduction by processing time reduction	Nokia, Alcatel-Lucent Shanghai Bell
482		Yes	rejected	10.1.1	RP-161175	New WI proposal on further enhancement of cellular IoT for LTE	ZTE Corporation
483		Yes	noted	10.1.1	RP-161176	Motivation for further enhancement of cellular IoT for LTE	ZTE Corporation
484		Yes	noted	10.1.1	RP-161177	Discussion on LTE/DSRC Coexistence Work	Ericsson
485		Yes	revised	9.2.1	RP-161178	LS on channel modeling (to: ITU-R WP5D; cc: -; contact: Ericsson)	Ericsson

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
486		Yes	noted	9.2.1	RP-161179	5G channel modeling way forward	Ericsson LM, Telstra, Vodafone, CMCC

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
487		Yes	revised	10.1.1	RP-161180	New Study Item: Study on Evaluation of Rel-13 NB-IoT	Huawei Tech.(UK) Co., Ltd
488	R3	Yes	approved	10.1.3	RP-161181	New SI: Study on SON for eCoMP for LTE	Nokia
489		Yes	not treated	10.1.4	RP-161182	New WI proposal: Performance requirement of non-linear receiver for Enhanced SU-MIMO for LTE	LG Electronics Inc.
490		Yes	not treated	10.1.4	RP-161183	Motivation for new WI proposal on Performance requirement of non-linear receiver for Enhanced SU-MIMO for LTE	LG Electronics Inc.
491		Yes	revised	10.1.1	RP-161184	New WI proposal: LTE-based V2X Services	LG Electronics
492		Yes	revised	10.1.1	RP-161185	New WID: High-Performance eMTC (HeMTC) for LTE	Intel Corporation
493		Yes	revised	10.1.4	RP-161186	New SI: Study on interference cancellation receiver for LTE BS	China Telecommunications, Huawei

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
494	R4	Yes	approved	10.1.4	RP-161187	New SI proposal: Study on NB-IoT RF requirement for coexistence with CDMA	China Telecom, Sprint, SK Telecom, Qualcomm, Huawei, HiSillicon
495		Yes	revised	10.1.2	RP-161188	New Work Item on Enhanced LWIP for LTE	Nokia, Alcatel-Lucent Shanghai Bell
496		Yes	postponed	10.1.2	RP-161189	New Work Item for Enhancing Utilization of CA for LTE	Nokia, Alcatel-Lucent Shanghai Bell

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
497		Yes	noted	9	RP-161190	NR schedule	Samsung, Coolpad, Fiberhome, Oppo, Potevio, Xinwei, Xiaomi
498		Yes	postponed	10.1.1	RP-161191	New WI proposal: Further Enhancements to Licensed-Assisted Access using LTE	Huawei, HiSilicon

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
499		Yes	revised	9	RP-161192	Wrap-up of NR session (Monday)	RAN chair (Qualcomm)
500		Yes	noted	9	RP-161193	Wrap-up of NR session (Monday)	RAN chair (Qualcomm)
501		Yes	not treated	10.1.4	RP-161194	New Work Item Proposal: Requirements for Category 1 UEs with Single Receiver for LTE	Qualcomm Incorporated
502		Yes	approved	10.8.2	RP-161195	Introduction of NB-IoT in 36.304 including correction of Paging UE_ID for NB-IOT	Nokia, Sequans Communications
503		Yes	revised	10.1.3	RP-161196	New work item proposal: Network Assistance for Network Synchronization in LTE	Huawei, HiSilicon

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
504	R4	Yes	approved	10.1.4	RP-161197	New study item proposal: Study on multi-node testing for LAA	Huawei, HiSilicon
505		Yes	not treated	9	RP-161198	Way forward on NR URLLC timeline	CATR
506		Yes	noted	9.2.2	RP-161199	Reply LS to RP-160647 on "Next Generation" Security Requirements for RAN (S3-160833; to: RAN; cc: SA1, SA2; contact: Qualcomm)	SA3
507	R4	Yes	approved	10.4.9	RP-161200	Revised WID on LTE 2.6 GHz FDD Supplemental DL band (2570-2620 MHz) and LTE Carrier Aggregation (2DL/1UL) with Band 3 for region 1	Orange
508		Yes	approved	10.4.9	RP-161201	TR 36.858 V1.0.1: LTE 2.6 GHz FDD SDL band (2570-2620 MHz) for Region 1	ORANGE
509	R4	Yes	approved	10.4.2	RP-161202	Revised WID: LTE Advanced inter-band Carrier Aggregation Rel-14 for 2DL/1UL	Qualcomm
510		Yes	revised	10.8.1	RP-161203	Revised WID: LTE UE TRP and TRS and UTRA Hand Phantom related UE TRP and TRS Requirements	Nokia

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
511		Yes	postponed	10.1.5	RP-161204	New WID: Adding 1.4 and 3 MHz Channel Bandwidth to E-UTRA operating band 65 for CGC (Complementary Ground Component) operations in Region 1	HUGHES Network Systems Ltd
512		Yes	approved	9.2.2	RP-161205	pCR to update the text on deployment scenarios and KPI values in the TR38.913 [RAN#71-03] (Part 1)	NTT DOCOMO, INC.
513		Yes	approved	9.2.2	RP-161206	pCR to update the text on deployment scenarios and KPI values in the TR38.913 [RAN#71-03] (Part 6)	NTT DOCOMO, INC.
514		Yes	approved	9.2.2	RP-161207	pCR to update the text on deployment scenarios and KPI values in the TR38.913 [RAN#71-03] (Part 8)	NTT DOCOMO, INC.
515		Yes	approved	9.2.2	RP-161208	pCR on Security Requirements for NR	NEC, Telecom Italia

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
516		Yes	postponed	10.1.1	RP-161209	New Study Item: Study on Evaluation of Rel-13 NB-IoT	Huawei Tech.(UK) Co., Ltd
517		Yes	approved	9.2.2	RP-161210	Text proposal to TR 38.913 from email discussion [RAN#71-06] Energy Efficiency	ORANGE
518		Yes	approved	10.8.2	RP-161211	Introduction of NB-IoTin 36.331	Huawei
519		No	withdrawn	9.2.2	RP-161212	pCR on Section “Lawful Interception” of TR38.913	TELECOM ITALIA S.p.A.

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
520		Yes	approved	9.2.2	RP-161213	Clarification on mobility interruption time	China Mobile Com. Corporation
521	RP	Yes	approved	9.2.3	RP-161214	Revision of SI: Study on New Radio Access Technology	NTT DOCOMO, INC.
522		No	withdrawn	10.1.1	RP-161215	New Work Item on Enhancements to LTE operation in unlicensed spectrum	Ericsson
523		Yes	revised	11.1	RP-161216	New WI proposal: Multi-Carrier Enhancements for UMTS	Huawei, HiSilicon

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
524		Yes	noted	10.9	RP-161217	Way forward on new UE categories	NTT DOCOMO
525		Yes	postponed	10.1.2	RP-161218	New SI proposal on Study on UL data compression in LTE	CATT, CMCC, Qualcomm Incorporated
526	R4	Yes	approved	10.1.5	RP-161219	New WI: Citizens Broadband Radio Service (CBRS) 3.5GHz band for LTE in the United States	Nokia, Qualcomm

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
527	R4	Yes	approved	10.1.5	RP-161220	New Study Item proposal: Feasibility study on global application of LTE Band 11 and of LTE Band 21 UEs	SoftBank Corp.
528	R4	Yes	approved	10.1.5	RP-161221	New WID LTE High Power UE for Band 41	SPRINT, C-Spire, CMCC, Nokia, China Telecom
529		Yes	revised	9.2.1	RP-161222	TR 38.900 v2.0.0 on Study on channel model for frequency spectrum above 6 GHz; for information	Samsung
530		Yes	revised	10.2.11	RP-161223	Proposal on handling of eMBMS WI	Huawei, HiSilicon, Intel
531		Yes	revised	10.6.12	RP-161224	Revision of SI: Further Enhancements to LTE Device to Device, UE to Network Relays for IoT and Wearables	Qualcomm Incorporated
532		Yes	approved	10.8.1	RP-161225	TS 37.144 v2.1.0 on User Equipment (UE) and Mobile Station (MS) GSM, UTRA and E-UTRA over the air performance requirements	Nokia
533		Yes	approved	10.8.2	RP-161226	Reply LS to GSMA CLP MIOT 01/004 = RP-151144 on completion of Cellular IoT related work items (to: GSMA; cc: -; contact: Ericsson)	RAN
534		Yes	approved	10.8.12	RP-161227	Response Letter to RP-160727 to the Right Honourable Mayor of New York City (to: Mayor of New York City; cc: FCC, WiFi Alliance, IEEE 802 LMSC; contact: RAN chairman, Qualcomm)	RAN
535		Yes	approved	10.8.12	RP-161228	Reply LS to IEEE_802_LMSC_LS_160521 = RP-160729 on Rel-13 LAA specifications (to: IEEE 802 LMSC; cc: RAN1, RAN4, IEEE 802.19 Coexistence WG; contact: RAN chair (Qualcomm))	RAN

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
536		Yes	revised	11.1	RP-161229	New WI proposal: Multi-Carrier Enhancements for UMTS	Huawei, HiSilicon
537		Yes	withdrawn	9.2.2	RP-161230	Text proposal to TR38.913 on remaining requirements	Huawei, HiSilicon
538		Yes	noted	10.6.1	RP-161231	Status report for SI: Network Assistance for Network Synchronization in LTE; rapporteur: Huawei	RAN3
539		Yes	postponed	10.1.3	RP-161232	New work item proposal: Network Assistance for Network Synchronization in LTE	Huawei, HiSilicon
540		Yes	revised	10.6.1	RP-161233	Draft LS on Network Assistance for Network Synchronization in LTE (to: RAN1, RAN4; cc: RAN3; contact: Huawei)	Huawei, HiSilicon

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
541		Yes	revised	10.1.1	RP-161234	New Work Item on shortened TTI and processing time for LTE	Ericsson
542		Yes	noted	10.8.12	RP-161235	Status Report: Perf. part: Licensed-Assisted Access using LTE; rapporteur: Ericsson	RAN4
543		Yes	noted	10.8.11	RP-161236	Status report for WI: Perf. part: LTE DL 4 Rx antenna ports; rapporteur: Ericsson	RAN4
544	R4	Yes	approved	10.8.11	RP-161237	Revised WID: Perf. part: LTE DL 4 Rx antenna ports	Ericsson
545		Yes	not treated	10.1.4	RP-161238	New WI proposal: 4 Rx antenna ports with CA for LTE DL	Ericsson GmbH, Eurolab

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
546		Yes	revised	9	RP-161239	NR schedule and phases	Nokia
547		Yes	withdrawn	10.2.11	RP-161240	Revised WID: eMBMS enhancements for LTE	Qualcomm, Ericsson

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
548		Yes	noted	10.2.11	RP-161241	Proposal on handling of eMBMS WI	Huawei, HiSilicon, Intel

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
549		Yes	postponed	9.2.2	RP-161242	pCR to TR 38.913 on Multimedia Broadcast/Multicast Service	EBU
550		Yes	revised	10.2.11	RP-161243	Updated WID: eMBMS enhancements for LTE	Ericsson
551		Yes	revised	10.2.11	RP-161244	Status report for WI eMBMS enhancements for LTE; rapporteur: Ericsson	RAN1
552		Yes	endorsed	10.1.1	RP-161245	Way forward on RAN1 LTE SIs/WIs	RAN1 chair (NTT DOCOMO)

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
553		Yes	noted	10.8.5	RP-161246	Status report of WI Perf. part: Further LTE Physical Layer Enhancements for MTC; rapporteur: Ericsson	RAN4
554		Yes	withdrawn	10.8.2	RP-161247	NB-IoT reservation of RA resources	Ericsson, ZTE, NTT DOCOMO
555		Yes	withdrawn	10.8.2	RP-161248	Introduction of NB-IoTin 36.331	Ericsson, ZTE, NTT DOCOMO
556		Yes	revised	9	RP-161249	Architecture configuration options for NR	Deutsche Telekom
557		Yes	noted	10.2.1	RP-161250	Status report for WI Enhanced LAA for LTE; rapporteur: Ericsson	RAN1
558		Yes	not treated	9	RP-161251	Way forward on 5G NR Schedule	Verizon
559		Yes	revised	10.6.3	RP-161252	Draft LS on high level coexistence approaches between PC5 transport for V2V services and DSRC/IEEE 802.11p services in the same channel (to: ETSI TC ERM TG 37, ETSI TC ITS; cc: ETSI BRAN; contact: Ericsson)	Ericsson

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
560		Yes	endorsed	9	RP-161253	NR schedule and phases	RAN
561		Yes	approved	9.2.2	RP-161254	Text proposal to TR 38.913 from email discussion: [RAN#71-07] Air-to-Ground Communications	ORANGE

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
562		Yes	noted	10.2.11	RP-161255	Clarification on inter-cell synchronization for eMBMS	Huawei, HiSilicon, CMCC, CATT, China Unicom, CATR, Orange, Potevio, Intel, OPPO, China Telecom
563		Yes	noted	10.1.1	RP-161256	DL multicast enhancements for V2X	Huawei
564		Yes	not treated	10.1.4	RP-161257	New SI: Study on interference cancellation receiver for LTE BS	China Telecommunications, Huawei
565		Yes	approved	8.4	RP-161258	Reply LS to ITU-R WP5A/TEMP/1r1 = RP-160721 and and ITU-R WP5C/TEMP/16-E = RP-160722 on Technical/operational characteristics of the land mobile & fixed service applications & spectrum associated ... (to: ITU-R WP5A, WP5C; cc: -; contact: Telecom Italia)	RAN
566	R2	Yes	approved	11.1	RP-161259	New WI proposal: Multi-Carrier Enhancements for UMTS	Huawei, HiSilicon

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
567	R6	Yes	approved	12.1	RP-161260	New Work Item on Positioning Enhancements for GERAN	Ericsson LM
568	R6	Yes	approved	12.1	RP-161261	New SID: Study on Downlink MIMO for GERAN	Nokia, Alcatel-Lucent Shanghai Bell
569		Yes	approved	10.6.1	RP-161262	LS on Network Assistance for Network Synchronization in LTE (to: RAN1, RAN4; cc: RAN3; contact: Huawei)	RAN
570	R1	Yes	approved	10.6.3	RP-161263	Revision of SI: Feasibility Study on LTE-based V2X Services	LG Electronics
571		Yes	revised	10.6.12	RP-161264	Status report for SI: Further Enhancements to LTE Device to Device, UE to Network Relays for IoT and Wearables; rapporteur: Qualcomm Incorporated	RAN2
572		Yes	revised	10.6.12	RP-161265	Revision of SI: Further Enhancements to LTE Device to Device, UE to Network Relays for IoT and Wearables	Qualcomm Incorporated

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
573		Yes	noted	9	RP-161266	Architecture configuration options for NR	Deutsche Telekom

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
574		Yes	revised	9.2.3	RP-161267	Status Report of Study on New Radio Access Technology	NTT DOCOMO, INC.
575		Yes	not treated	9	RP-161268	Snapshot of 5G activities	ETSI MCC
576		Yes	endorsed	9	RP-161269	Tasks from joint RAN-SA session on 5G architecture options	RAN chair, SA chair
577		Yes	approved	14.2.6	RP-161270	NAS timer settings for eMTC	Ericsson
578		No	withdrawn	10.1.4	RP-161271	New WI Proposal: Enhanced CRS and SU-MIMO Interference Mitigation Performance Requirements for LTE	Intel Corporation, Huawei
579	R1	Yes	approved	10.2.2	RP-161272	Revision of WI: Support for V2V services based on LTE sidelink	LG Electronics
580		Yes	revised	10.1.1	RP-161273	New WI proposal: LTE-based V2X Services	LG Electronics
581		Yes	withdrawn	10.1.1	RP-161274	New WID: High-Performance eMTC (HeMTC) for LTE	Intel Corporation
582		Yes	revised	10.9	RP-161275	Way forward on 256QAM support for Cat6/7/9/10 from Rel-12	Intel
583		Yes	revised	9.2.2	RP-161276	pCR on coexistence of NR with legacy RATs	Huawei
584		Yes	approved	9.2.2	RP-161277	pCR on Latency for infrequent small packets	Huawei

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
585		Yes	revised	9.2.2	RP-161278	pCR on attributes of V2X urban grids and highway scenarios	Huawei
586		Yes	noted	10.1.4	RP-161279	Way forward on RAN4 new WI/SI RF non-spectrum related topics	Huawei, HiSilicon
587		Yes	noted	10.1.4	RP-161280	Way forward on RAN4 new WI/SI for RRM/demodulation related topics	Huawei, HiSilicon, Intel, Ericsson, LG Electronics, LG Uplus, China Telecom, China Unicom, Potevio, Sprint, NTT DoCoMo, NextNav, CATR
588		No	withdrawn	10.1.4	RP-161281	New WI proposal: LTE UE TRP and TRS Requirements	Vodafone
589		Yes	approved	14.1.5	RP-161282	Clarification on UL DPCH 10ms Mode	Ericsson
590		Yes	approved	14.1.5	RP-161283	Clarification on UL DPCH 10ms Mode	Ericsson
591		Yes	approved	14.1.6	RP-161284	Clarification for LAA CSI processing	RAN1
592		Yes	noted	8.4	RP-161285	LS on INCREASING LEVELS OF RF NOISE IN THE ENVIRONMENT AND CONSEQUENT INTERFERENCE TO RADIOCOMMUNICATION SERVICES (ITU-R WP1A/TEMP/26; to: RAN, RAN1, RAN4, CENELEC-CLC/TC210, ETSI, IEC and IEEE; cc: -; contact: Counsellor ITU-R SG1)	ITU-R WP1A

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
593		Yes	revised	10.2.11	RP-161286	Updated WID: eMBMS enhancements for LTE	Ericsson
594		Yes	revised	10.2.11	RP-161287	Status report for WI eMBMS enhancements for LTE; rapporteur: Ericsson	RAN1

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
595		Yes	noted	9	RP-161288	Future RAN WG Planning for NR	RAN1 chairman,RAN2 chairman, RAN3 chairman, RAN4 chairman
596		Yes	revised	9.2.3	RP-161289	Draft LS on LS on “5G NR study – mMTC use case” (to: RAN1; cc: -; contact: Mediatek)	Mediatek

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	A	B	C	D	E	F	G
1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
597		Yes	revised	10.6.12	RP-161290	Status report for SI: Further Enhancements to LTE Device to Device, UE to Network Relays for IoT and Wearables; rapporteur: Qualcomm Incorporated	RAN2
598		Yes	noted	10.1.2	RP-161291	Way forward on RAN2 WIs/SIs	RAN2 chair (Intel)
599		Yes	revised	10.1.1	RP-161292	New work item proposal: Enhancements of NB-IoT	Vodafone
600		No	withdrawn	10.2.2	RP-161293	Revision of WI: Support for V2V services based on LTE sidelink	LG Electronics
601		Yes	noted	10.2.8	RP-161294	Status report on WI Core part: Further mobility enhancements in LTE; rapporteur: ZTE	RAN2
602	xxx	Yes	withdrawn	10.1.1	RP-161295	New WI proposal on Further Enhanced MTC	Vodafone
603		Yes	noted	10.2.11	RP-161296	Status report for WI eMBMS enhancements for LTE; rapporteur: Ericsson	RAN1
604	R1	Yes	approved	10.2.11	RP-161297	Updated WID: eMBMS enhancements for LTE	Ericsson
605	R1	Yes	approved	10.1.1	RP-161298	New WI proposal: LTE-based V2X Services	LG Electronics
606	R1	Yes	approved	10.1.1	RP-161299	New Work Item on shortened TTI and processing time for LTE	Ericsson
607		Yes	revised	10.6.11	RP-161300	Revised of SI: LTE bandwidth flexibility enhancements; rapporteur: Huawei	RAN4
608		Yes	approved	9.2.1	RP-161301	TR 38.900 v2.0.0 on Study on channel model for frequency spectrum above 6 GHz; for information	Samsung
609		Yes	noted	17	RP-161302	3GPP Work Plan review at Plenary #72	ETSI MCC
610	R2	Yes	approved	10.6.12	RP-161303	Revision of SI: Further Enhancements to LTE Device to Device, UE to Network Relays for IoT and Wearables	Qualcomm Incorporated
611		Yes	noted	9.2.3	RP-161304	Status Report of Study on New Radio Access Technology	NTT DOCOMO, INC.

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
612		Yes	noted	10.6.12	RP-161305	Status report for SI: Further Enhancements to LTE Device to Device, UE to Network Relays for IoT and Wearables; rapporteur: Qualcomm Incorporated	RAN2
613		Yes	postponed	10.1.1	RP-161306	Way forward on Increased bitrate for NB-IoT	Mediatek
614		Yes	revised	10.9	RP-161307	Draft LS on 256QAM support for UE Category 9/10 from Rel-12 (to: RAN1, RAN2; cc: -; contact: Intel)	Intel
615		Yes	noted	9.2.2	RP-161308	Way forward on remaining open issues in TR 38.913	NTT DOCOMO
616		Yes	postponed	9.2.2	RP-161309	pCR on coexistence of NR with legacy RATs	Huawei
617		Yes	noted	9	RP-161310	Combined NR and Next Generation time line	Nokia
618		Yes	approved	14.2.6	RP-161311	Reply LS to R2-164575 = RP-161165 on eDRX Paging Hyper-frame and PTW_Start Calculation (to: RAN2, RAN3, SA2; cc: CT1, CT4; contact: NTT DOCOMO)	RAN
619		Yes	approved	14.2.6	RP-161312	LS on Enhanced coverage impacts on NAS timers in eMTC (to: RAN3, CT1; cc: SA2; contact: Ericsson)	RAN

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
620		Yes	approved	4	RP-161313	Report of RAN #71 held in Göteborg, Sweden, 07.03.-10.03.2016	ETSI MCC
621		Yes	approved	9.2.1	RP-161314	LS on channel modeling (to: ITU-R WP5D; cc: -; contact: Samsung)	RAN
622		Yes	revised	10.6.3	RP-161315	Draft LS on LTE based solution for ITS services (to: ETSI TC ERM TG 37, ETSI TC ITS; cc: ETSI BRAN; contact: Ericsson)	Ericsson
623		Yes	postponed	10.1.2	RP-161316	New Work Item on Enhanced LWIP for LTE	Nokia, Alcatel-Lucent Shanghai Bell
624		Yes	approved	9.2.2	RP-161317	pCR on attributes of V2X urban grids and highway scenarios	Huawei
625		Yes	revised	10.1.1	RP-161318	New work item proposal: Enhancements of NB-IoT	Vodafone

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	A	B	C	D	E	F	G
1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
626	xxx	Yes	revised	10.1.1	RP-161319	New WI proposal on Further Enhanced MTC	Ericsson
627		Yes	revised	8.4	RP-161320	Draft reply letter to ITU-R WP1A in reply to ITU-R WP1A/TEMP/100 = RP-151138 on Report ITU-R SM.[SMART_GRID] on the Smart Grid project (to: SA; cc: -; contact: Ericsson)	Ericsson
628	R1	Yes	approved	10.1.1	RP-161321	New WI proposal on Further Enhanced MTC	Ericsson
629		Yes	approved	10.6.3	RP-161322	LS on LTE based solution for ITS services (to: ETSI TC ERM TG 37, ETSI TC ITS; cc: ETSI BRAN; contact: Ericsson)	RAN
630	R4	Yes	approved	10.8.1	RP-161323	Revised WID: LTE UE TRP and TRS and UTRA Hand Phantom related UE TRP and TRS Requirements	Nokia
631	R1	Yes	approved	10.1.1	RP-161324	New work item proposal: Enhancements of NB-IoT	Vodafone
632		Yes	noted	10.6.11	RP-161325	Status report for SI: LTE bandwidth flexibility enhancements; rapporteur: Huawei	RAN4

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
633		Yes	agreed	10.9	RP-161326	Way forward on 256QAM support for Cat6/7/9/10 from Rel-12	Intel
634		Yes	approved	10.9	RP-161327	LS on 256QAM support for UE Category 9/10 from Rel-12 (to: RAN1, RAN2; cc: -; contact: Intel)	RAN
635		Yes	approved	10.6.11	RP-161328	Revised of SI: LTE bandwidth flexibility enhancements; rapporteur: Huawei	RAN4
636		Yes	noted	10.8.1	RP-161329	Status report for WI Core part: LTE UE TRP & TRS and UTRA Hand Phantom related UE TRP and TRS Requirements; rapporteur: Nokia	RAN4
637		Yes	approved	8.4	RP-161330	Draft reply letter to ITU-R WP1A in reply to ITU-R WP1A/TEMP/100 = RP-151138 on Report ITU-R SM.[SMART_GRID] on the Smart Grid project (to: SA; cc: -; contact: Ericsson)	RAN
638		Yes	revised	9.2.3	RP-161331	Draft LS on LS on “5G NR study – mMTC use case” (to: RAN1; cc: -; contact: Mediatek)	Mediatek
639		Yes	noted	10.2.12	RP-161332	Status report for WI: SRS (sounding reference signal) switching between LTE component carriers, rapporteur: Huawei	RAN1
640		Yes	approved	9.2.3	RP-161333	LS on LS on 5G NR study – mMTC use case (to: RAN1; cc: -; contact: Mediatek)	RAN

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1	Secretary Remarks	Available	Decision	Agenda	Tdoc	Title	Source
641		Yes	agreed	9.2.2	RP-161334	TR 38.913 v0.4.0 on Study on Scenarios and Requirements for Next Generation Access Technologies	China Mobile Com. Corporation
642		Yes	endorsed	17	RP-161335	Status of time budgets for RAN1/2/3/4 REL-13 & beyond WIs/SIs after RAN #72	RAN1/RAN2/RAN3/RAN4 chairmen

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
2	agenda	-	-	-	-	..	-	-	RP-161172	
3	report	-	-	-	-	..	-	-	RP-161313	
4	report	-	-	-	-	..	-	-		
5	discussion	-	-	-	-	..	-	-		
6	report	-	-	-	-	..	-	-		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
7	discussion	-	-	-	-	..	-	-		
8	report	-	-	-	-	..	-	-		
9	discussion	-	-	-	-	..	-	-		
10	report	-	-	-	-	..	-	-		
11	discussion	-	-	-	-	..	-	-		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
12	report	-	-	-	-	..	-	-		
13	discussion	-	-	-	-	..	-	-		
14	report	-	-	-	-	..	-	-		
15	report	-	-	-	-	..	-	-		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
16	report	-	-	-	-	..	-	-		
17	report	-	-	-	-	..	-	-		
18	Work Plan	-	-	-	-	..	-	-	RP-161302	
19	report	-	-	-	-	..	-	-		
20	LS in	-	-	-	-	..	Rel-13	LTE_LAA-Perf		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
21	LS in	-	-	-	-	..	Rel-14	REAR		
22	LS in	-	-	-	-	..	Rel-13	LTE_WLAN_radio-Core		
23	LS in	-	-	-	-	..	Rel-14	FS_NG_SReq		
24	LS in	-	-	-	-	..	Rel-13	LTE_eD2D_Prox-Perf		
25	LS in	-	-	-	-	..	Rel-14	LTE_SL_V2V-Core		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
26	LS in	-	-	-	-	..	Rel-14	FS_NG_SReq		
27	LS in	-	-	-	-	..	-	-		
28	LS in	-	-	-	-	..	-	-		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
29	LS in	-	-	-	-	..	-	-		
30	LS in	-	-	-	-	..	-	-		
31	LS in	-	-	-	-	..	Rel-13	LTE_LAA		
32	LS in	-	-	-	-	..	Rel-13	LTE_LAA		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
33	LS in	-	-	-	-	..	Rel-13	LTE_LAA		
34	LS in	-	-	-	-	..	Rel-13	LTE_LAA		
35	LS in	-	-	-	-	..	Rel-13	LTE_LAA		
36	LS in	-	-	-	-	..	Rel-13	LTE_LAA		
37	LS in	-	-	-	-	..	Rel-13	LTE_WLAN_radio-Core		
38	LS in	-	-	-	-	..	Rel-14	FS_6GHz_CH_model		
39	LS in	-	-	-	-	..	Rel-13	CIoT_EC_GSM		
40	LS in	-	-	-	-	..	Rel-14	FS_NR_newRAT		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
41	LS in	-	-	-	-	..	Rel-14	FS_NR_newRAT		
42	LS in	-	-	-	-	..	Rel-13	LTE_LAA		
43	LS in	-	-	-	-	..	Rel-13	LTE_LAA		
44	LS in	-	-	-	-	..	Rel-13	LTE_MTCe2_L1-Core		
45	LS in	-	-	-	-	..	Rel-14	FS_feD2D_IoT_relay_wearable		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
46	LS in	-	-	-	-	..	Rel-13	NB_IOT		
47	LS in	-	-	-	-	..	Rel-14	LTE_eFDMIMO-Core		
48	LS in	-	-	-	-	..	Rel-14	FS_LTE_V2X		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
49	LS in	-	-	-	-	..	Rel-13	LTE_LAA		
50	LS in	-	-	-	-	..	Rel-14	-		
51	LS in	-	-	-	-	..	Rel-13	LTE_dualC_ext-Core		
52	WI status report	-	-	-	-	..	Rel-11	UEAnt_FSTest-UEConTest		
53	WI status report	-	-	-	-	..	Rel-13	LTE_UTRA_TRP_TRS-UEConTest		
54	pCR	38.913	-	-	-	0.3.0	Rel-14	FS_NG_SReq		
55	WID revised	36.714-00-02	-	-	-	..	Rel-14	LTE_CA_R14_xDL2UL		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
56	WI status report	-	-	-	-	..	Rel-14	LTE_CA_R14_xDL2UL		
57	pCR	38.913	-	-	-	0.3.0	Rel-14	FS_NG_SReq		
58	draft TR	36.896	-	-	-	1.0.0	Rel-14	FS_LTE_FNBID		
59	WI status report	-	-	-	-	..	Rel-14	FS_LTE_FNBID		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
60	WID new	-	-	-	-	..	Rel-13	-		
61	WID new	-	-	-	-	..	Rel-14	-		
62	pCR	38.913	-	-	-	0.3.0	Rel-14	FS_NG_SReq	RP-161100	
63	WI status report	-	-	-	-	..	Rel-7	MTSI_WLAN-UEConTest		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
64	WI status report	-	-	-	-	..	Rel-12	LC_MTC_LTE-UEConTest		
65	WI status report	-	-	-	-	..	Rel-12	LTE_CA_Rel12_2UL-UEConTest		
66	WI status report	-	-	-	-	..	Rel-12	LTE_SC_enh_dualC-UEConTest		
67	WI status report	-	-	-	-	..	Rel-12	LTE_UTRA_IncMon-UEConTest		
68	WI status report	-	-	-	-	..	Rel-13	LTE_CA_Rel13-UEConTest		
69	WI status report	-	-	-	-	..	Rel-13	LTE_4Rx_AP_DL-UEConTest		
70	WI status report	-	-	-	-	..	Rel-13	LTE_AWS_EXT-UEConTest		
71	WI status report	-	-	-	-	..	Rel-13	LTE_MTCe2_L1-UEConTest		
72	WID revised	-	-	-	-	..	Rel-13	LTE_MTCe2_L1-UEConTest		
73	draft TR	36.884	-	-	-	2.0.0	Rel-13	LTE_MMSE_IRC_BS-Perf		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
74	WI status report	-	-	-	-	..	Rel-13	LTE_MMSE_IRC_BS-Perf		
75	discussion	-	-	-	-	..	Rel-14	-		
76	SID new	-	-	-	-	..	Rel-14	-	RP-161186	
77	discussion	-	-	-	-	..	Rel-14	-		
78	SID new	-	-	-	-	..	Rel-14	-	RP-161187	

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
79	pCR	38.913	-	-	-	0.3.0	Rel-14	FS_NG_SReq	RP-161212	

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
80	discussion	-	-	-	-	..	Rel-14	FS_NG_SReq		
81	WID revised	-	-	-	-	..	Rel-13	LTE_1980_2170_REG1_REG3-UEConTest		
82	WI status report	-	-	-	-	..	Rel-13	LTE_1980_2170_REG1_REG3-UEConTest		
83	WI status report	-	-	-	-	..	Rel-14	MB_BS_test_3B		
84	WI status report	-	-	-	-	..	Rel-13	UTRA_LTE_iPos_enh-Perf		
85	draft TR	37.871	-	-	-	1.0.0	Rel-14	MB_BS_test_3B-Core		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
86	WI status report	-	-	-	-	..	Rel-14	UTRA_LTE_iPos_enh2		
87	WID new	-	-	-	-	..	Rel-14	-		
88	discussion	-	-	-	-	..	Rel-14	-		
89	WI status report	-	-	-	-	..	Rel-14	LTE_AWS_3_4		
90	WID revised	-	-	-	-	..	Rel-14	LTE_AWS_3_4		
91	WI status report	-	-	-	-	..	Rel-14	FS_LTE_B41_HPUE		
92	WID new	-	-	-	-	..	Rel-14	-	RP-161221	
93	draft TR	36.886	-	-	-	1.0.0	Rel-14	FS_LTE_B41_HPUE		
94	draft TR	36.749	-	-	-	1.0.0	Rel-14	LTE_AWS_3_4-Core		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
95	SID new	-	-	-	-	..	Rel-14	-	RP-161220	
96	WI status report	-	-	-	-	..	Rel-14	FS_LTE_V2X	RP-161115	
97	draft TR	36.885	-	-	-	2.0.0	Rel-14	FS_LTE_V2X		
98	SID revised	-	-	-	-	..	Rel-14	FS_LTE_V2X	RP-161263	
99	WI status report	-	-	-	-	..	Rel-14	LTE_SL_V2V-Core		
100	WID revised	-	-	-	-	..	Rel-14	LTE_SL_V2V-Core	RP-161272	
101	discussion	-	-	-	-	..	Rel-14	-		
102	WID new	-	-	-	-	..	Rel-14	-	RP-161184	

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
103	pCR	38.913	-	-	-	0.3.0	Rel-14	FS_NG_SReq		
104	discussion	-	-	-	-	..	Rel-14	FS_NR_newRAT		
105	discussion	-	-	-	-	..	Rel-14	-		
106	discussion	-	-	-	-	..	Rel-14	FS_NR_newRAT	RP-161169	

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
107	WID new	-	-	-	-	..	Rel-14	-		
108	WI status report	-	-	-	-	..	Rel-14	LTE_eMob-Core		
109	WI status report	-	-	-	-	..	Rel-13	LTE_4Rx_AP_DL-Perf	RP-161236	
110	WID new	-	-	-	-	..	Rel-14	-	RP-161238	
111	discussion	-	-	-	-	..	Rel-14	-		
112	report	-	-	-	-	..	Rel-14	FS_NG_SReq		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
113	SID revised	-	-	-	-	..	Rel-14	FS_NR_newRAT		
114	WID new	-	-	-	-	..	Rel-14	-	RP-161182	
115	discussion	-	-	-	-	..	Rel-14	-	RP-161183	

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
116	WI status report	-	-	-	-	..	Rel-14	FS_NG_SReq		
117	draft TR	38.913	-	-	-	0.3.1	Rel-14	FS_NG_SReq	RP-161334	
118	SID revised	-	-	-	-	..	Rel-14	FS_NG_SReq		
119	discussion	-	-	-	-	..	Rel-14	-	RP-161154	
120	WID new	-	-	-	-	..	Rel-14	-	RP-161292	
121	discussion	-	-	-	-	..	Rel-14	FS_NG_SReq		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
122	discussion	-	-	-	-	..	Rel-14	FS_NG_SReq		
123	discussion	-	-	-	-	..	Rel-14	FS_6GHz_CH_model		
124	WI status report	-	-	-	-	..	Rel-14	FS_LTE_eVoLTE		
125	WI status report	-	-	-	-	..	Rel-13	LTE_CA_enh_b5C-Perf		
126	WI status report	-	-	-	-	..	Rel-14	LTE_CA_R14_4DL1UL		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
127	WI status report	-	-	-	-	..	Rel-14	LTE_CA_R14_intra		
128	WID revised	-	-	-	-	..	Rel-14	LTE_CA_R14_4DL1UL		
129	WID revised	-	-	-	-	..	Rel-14	LTE_CA_R14_intra		
130	discussion	-	-	-	-	..	Rel-14	-		
131	SID new	-	-	-	-	..	Rel-14	-	RP-161181	
132	discussion	-	-	-	-	..	Rel-14	MBMS_LTE_enh2		
133	discussion	-	-	-	-	..	-	-		
134	WI status report	-	-	-	-	..	Rel-14	UTRA_RRCopt-Core		
135	WI status report	-	-	-	-	..	Rel-14	FS_feD2D_IoT_relay_wearable	RP-161159	

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
136	SID revised	-	-	-	-	..	Rel-14	FS_feD2D_IoT_relay_wearable	RP-161224	
137	CR pack	-	-	-	-	..	Rel-12	MTSI_FIXED_ACCESS-UEConTest		
138	CR pack	-	-	-	-	..	Rel-12	MTSI_WLAN-UEConTest		
139	CR pack	-	-	-	-	..	Rel-12	UTRA_DCHenh-UEConTest		
140	CR pack	-	-	-	-	..	Rel-12	LTE_D2D_Prox-UEConTest		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
141	CR pack	-	-	-	-	..	Rel-12	LC_MTC_LTE-UEConTest		
142	CR pack	-	-	-	-	..	Rel-12	LTE_CA_Rel12_2UL-UEConTest		
143	CR pack	-	-	-	-	..	Rel-12	LTE_SC_enh_L1-UEConTest		
144	CR pack	-	-	-	-	..	Rel-12	LTE_SC_enh_dualC-UEConTest		
145	CR pack	-	-	-	-	..	Rel-12	LTE_NAICS-UEConTest		
146	CR pack	-	-	-	-	..	Rel-12	LTE_TDD_eIMTA-UEConTest		
147	CR pack	-	-	-	-	..	Rel-13	LTE_CA_Rel13-UEConTest		
148	CR pack	-	-	-	-	..	Rel-13	LTE_CA_Rel13-UEConTest		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
149	CR pack	-	-	-	-	..	Rel-13	LTE_4Rx_AP_DL-UEConTest		
150	CR pack	-	-	-	-	..	Rel-13	LTE_AWS_EXT-UEConTest		
151	CR pack	-	-	-	-	..	Rel-4	TEI_Test		
152	CR pack	-	-	-	-	..	Rel-8	TEI8_Test		
153	CR pack	-	-	-	-	..	Rel-8	TEI8_Test		
154	CR pack	-	-	-	-	..	Rel-9	TEI9_Test		
155	CR pack	34.229-3	-	-	-	11.3.0	Rel-11	TEI12_Test		
156	CR pack	34.229-3	-	-	-	11.3.0	Rel-11	TEI8_Test, TEI9_Test, TEI12_Test, EVS_codec-UEConTest		
157	CR pack	34.123-3	-	-	-	12.3.0	Rel-12	TEI8_Test		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
158	CR pack	34.123-3	-	-	-	12.3.0	Rel-12	TEI_Test, TEI5_Test, TEI7_Test, TEI8_Test, TEI10_Test		
159	CR pack	36.523-3	-	-	-	12.5.0	Rel-12	TEI8_Test		
160	CR pack	36.523-3	-	-	-	12.5.0	Rel-12	TEI8_Test, TEI9_Test, TEI10_Test, TEI11_Test, TEI12_Test, LTE_CA_Rel12_2UL-UEConTest		
161	CR pack	37.571-4	-	-	-	12.4.0	Rel-12	TEI12_Test		
162	CR pack	37.571-4	-	-	-	12.4.0	Rel-12	TEI8_Test, TEI9_Test		
163	CR pack	-	-	-	-	..	Rel-10	TEI10_Test		
164	CR pack	-	-	-	-	..	Rel-11	TEI11_Test		
165	CR pack	-	-	-	-	..	Rel-12	TEI12_Test		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
166	CR pack	-	-	-	-	..	Rel-12	TEI12_Test		
167	CR pack	-	-	-	-	..	Rel-13	TEI13_Test		
168	CR pack	-	-	-	-	..	Rel-13	LTE_MTCe2_L1-UEConTest		
169	CR pack	-	-	-	-	..	Rel-13	LTE_extDRX-UEConTest		
170	CR pack	-	-	-	-	..	Rel-13	LTE_1980_2170_REG1_REG3-UEConTest		
171	CR pack	-	-	-	-	..	Rel-13	LTE_SC_PTM-UEConTest		
172	CR pack	-	-	-	-	..	Rel-13	LTE_TDD_1447MHz_China-UEConTest		
173	CR pack	-	-	-	-	..	Rel-13	LTE_LAA-UEConTest		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
174	WI status report	-	-	-	-	..	Rel-14	LTE_FDD_2600_CA_B3		
175	WI status report	-	-	-	-	..	Rel-14	LTE_UL_CAP_enh		
176	discussion	-	-	-	-	..	Rel-14	-		
177	WID new	-	-	-	-	..	Rel-14	-	RP-161215	
178	discussion	-	-	-	-	..	Rel-14	-		
179	WID new	-	-	-	-	..	Rel-14	-	RP-161109	
180	WI status report	-	-	-	-	..	Rel-14	MBMS_LTE_enh2	RP-161244	

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
181	WID revised	-	-	-	-	..	Rel-14	MBMS_LTE_enh2	RP-161243	
182	WI status report	-	-	-	-	..	Rel-14	FS_LTE_LATRED		
183	WI status report	-	-	-	-	..	Rel-14	LTE_eLAA	RP-161153	
184	discussion	-	-	-	-	..	Rel-14	-		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
185	WID new	-	-	-	-	..	Rel-14	-	RP-161319	
186	discussion	-	-	-	-	..	Rel-14	-		
187	WID new	-	-	-	-	..	Rel-14	-		
188	WID revised	-	-	-	-	..	Rel-14	LTE_eLAA		
189	WID new	-	-	-	-	..	Rel-14	-	RP-161204	
190	discussion	-	-	-	-	..	Rel-14	-		
191	report	38.913	-	-	-	..	Rel-14	FS_NG_SReq		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
192	pCR	38.913	-	-	-	0.3.0	Rel-14	FS_NG_SReq	RP-161210	
193	report	-	-	-	-	..	Rel-14	FS_NG_SReq		
194	pCR	38.913	-	-	-	0.3.0	Rel-14	FS_NG_SReq	RP-161254	
195	discussion	-	-	-	-	..	Rel-14	FS_NG_SReq		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
196	pCR	38.913	-	-	-	0.3.0	Rel-14	FS_NG_SReq		
197	WID new	-	-	-	-	..	Rel-14	-		
198	draft TS	37.171	-	-	-	1.0.0	Rel-13	UTRA_LTE_iPos_enh-Perf		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
199	WID new	-	-	-	-	..	Rel-13	-		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
200	discussion	-	-	-	-	..	Rel-14	FS_NG_SReq		
201	WI status report	-	-	-	-	..	Rel-14	LTE_eFDMIMO		
202	WI status report	-	-	-	-	..	Rel-14	LTE_high_speed		
203	WI status report	-	-	-	-	..	Rel-13	LTE_dualC_enh-Perf		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
204	discussion	-	-	-	-	..	Rel-14	FS_NR_newRAT		
205	discussion	-	-	-	-	..	Rel-14	FS_NR_newRAT		
206	discussion	-	-	-	-	..	Rel-14	FS_NG_SReq	RP-161213	
207	SID revised	38.912	-	-	-	..	Rel-14	FS_NR_newRAT	RP-161214	
208	WI status report	38.912	-	-	-	..	Rel-14	FS_NR_newRAT	RP-161267	
209	SID revised	-	-	-	-	..	Rel-14	FS_LTE_eVoLTE		
210	WI status report	-	-	-	-	..	Rel-13	NB_IOT-UEConTest		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
211	WI status report	-	-	-	-	..	Rel-14	FS_6GHz_CH_model		
212	WI status report	-	-	-	-	..	Rel-14	FS_LTE_context		
213	SID revised	-	-	-	-	..	Rel-14	FS_LTE_context		
214	WI status report	-	-	-	-	..	Rel-13	LTE_IM_DLCCH-Perf		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
215	WID revised	-	-	-	-	..	Rel-13	LTE_IM_DLCCH-Perf		
216	WID new	-	-	-	-	..	Rel-14	-	RP-161271	
217	discussion	-	-	-	-	..	Rel-14	-		
218	WI status report	-	-	-	-	..	Rel-14	LTE_meas_gap_enh		
219	WID revised	-	-	-	-	..	Rel-14	LTE_meas_gap_enh		
220	WI status report	-	-	-	-	..	Rel-14	LTE_MIMO_OTA-Core		
221	WID revised	-	-	-	-	..	Rel-14	LTE_MIMO_OTA-Core		
222	discussion	-	-	-	-	..	-	-		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
223	discussion	-	-	-	-	..	Rel-14	FS_NR_newRAT		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
224	WID new	-	-	-	-	..	Rel-14	-	RP-161175	
225	discussion	-	-	-	-	..	Rel-14	-		
226	WI status report	-	-	-	-	..	Rel-13	LTE_MC_load-Perf		
227	WI status report	-	-	-	-	..	Rel-14	LTE_eMob-Core	RP-161294	
228	WID revised	-	-	-	-	..	Rel-14	LTE_eMob-Core		
229	WI status report	-	-	-	-	..	Rel-14	FS_LTE_CA_B3_B39		
230	WID revised	-	-	-	-	..	Rel-14	LTE_WLAN_aggr		RP-160600
231	WI status report	-	-	-	-	..	Rel-14	LTE_WLAN_aggr		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
232	discussion	-	-	-	-	..	Rel-14	FS_NG_SReq		
233	discussion	-	-	-	-	..	Rel-14	LTE_eLAA-Core		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
234	discussion	-	-	-	-	..	Rel-13	LTE_extDRX-Core		
235	WI status report	-	-	-	-	..	Rel-13	LTE_EBF_FDMIMO-Perf		
236	WID new	-	-	-	-	..	Rel-13	-		
237	WI status report	-	-	-	-	..	Rel-14	FS_UTRA_MCe		
238	WI status report	-	-	-	-	..	Rel-14	FACH_DTXDRX-Core		
239	WI status report	-	-	-	-	..	Rel-13	NB_IOT-Core		
240	WID revised	-	-	-	-	..	Rel-13	NB_IOT		
241	WI status report	-	-	-	-	..	Rel-14	LTE_SRS_switch	RP-161332	

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
242	WID revised	-	-	-	-	..	Rel-14	LTE_SRS_switch		
243	WI status report	-	-	-	-	..	Rel-14	LTE_LIGHT_CON-Core	RP-161161	
244	WID revised	-	-	-	-	..	Rel-14	LTE_LIGHT_CON-Core		
245	WI status report	-	-	-	-	..	Rel-14	FS_LTE_NW_SYNC	RP-161231	
246	WI status report	-	-	-	-	..	Rel-14	AASenh_BS_LTE_UTRA		
247	WID revised	-	-	-	-	..	Rel-14	AASenh_BS_LTE_UTRA		
248	WI status report	-	-	-	-	..	Rel-13	AAS_BS_LTE_UTRA-Perf		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
249	WI status report	-	-	-	-	..	Rel-14	FS_LTE_BW_flex	RP-161325	
250	SID revised	-	-	-	-	..	Rel-14	FS_LTE_BW_flex	RP-161300	
251	WI status report	-	-	-	-	..	Rel-14	LTE_CA_R14_3DL1UL		
252	WID revised	-	-	-	-	..	Rel-14	LTE_CA_R14_3DL1UL		
253	WI status report	-	-	-	-	..	Rel-14	LTE_CA_R14_2DL2UL		
254	WID revised	-	-	-	-	..	Rel-14	LTE_CA_R14_2DL2UL		
255	WI status report	-	-	-	-	..	Rel-12	LTE_SC_enh_L1-UEConTest		
256	WI status report	-	-	-	-	..	Rel-13	LTE_TDD_1447MHz_China-UEConTest		
257	WI status report	-	-	-	-	..	Rel-13	LTE_SC_PTM-UEConTest		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
258	WID new	-	-	-	-	..	Rel-14	-	RP-161185	RP-160530
259	discussion	-	-	-	-	..	Rel-14	-		RP-160531
260	WI status report	-	-	-	-	..	Rel-14	FS_feCOMP_LTE		
261	SID revised	-	-	-	-	..	Rel-14	FS_feCOMP_LTE		RP-160665

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
262	discussion	-	-	-	-	..	Rel-12	LTE_SC_enh_L1-Core		
263	CR	36.306	354	1	C	12.8.0	Rel-12	LTE_SC_enh_L1-Core		RP-160222
264	CR	36.306	355	1	A	13.1.0	Rel-13	LTE_SC_enh_L1-Core		RP-160223
265	draft TR	36.898	-	-	-	2.0.0	Rel-14	FS_LTE_NW_SYNC		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
266	CR	36.413	1426	1	F	13.2.0	Rel-13	LTE_extDRX-Core		
267	CR	36.413	1427	1	F	13.2.0	Rel-13	LTE_extDRX-Core		
268	pCR	38.913	-	-	-	0.3.0	Rel-14	FS_NG_SReq	RP-161205	
269	pCR	38.913	-	-	-	0.3.0	Rel-14	FS_NG_SReq		
270	pCR	38.913	-	-	-	0.3.0	Rel-14	FS_NG_SReq		
271	pCR	38.913	-	-	-	0.3.0	Rel-14	FS_NG_SReq		
272	pCR	38.913	-	-	-	0.3.0	Rel-14	FS_NG_SReq		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
273	pCR	38.913	-	-	-	0.3.0	Rel-14	FS_NG_SReq	RP-161206	
274	pCR	38.913	-	-	-	0.3.0	Rel-14	FS_NG_SReq		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
275	pCR	38.913	-	-	-	0.3.0	Rel-14	FS_NG_SReq	RP-161207	
276	pCR	38.913	-	-	-	0.3.0	Rel-14	FS_NG_SReq		
277	pCR	38.913	-	-	-	0.3.0	Rel-14	FS_NG_SReq		
278	WI status report	-	-	-	-	..	Rel-12	LTE_TDD_eIMTA-UEConTest		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
279	draft TR	36.740	-	-	-	1.0.0	Rel-14	FS_LTE_BW_flex		
280	draft TR	36.802	-	-	-	1.0.0	Rel-13	NB_IOT-Core		
281	draft TR	25.707	-	-	-	1.0.0	Rel-14	FS_UTRA_MCe	RP-161146	
282	WID new	-	-	-	-	..	Rel-14	-	RP-161188	
283	discussion	-	-	-	-	..	Rel-14	-		
284	discussion	-	-	-	-	..	Rel-14	FS_6GHz_CH_model	RP-161179	

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
285	LS out	-	-	-	-	..	Rel-13	NB_IOT	RP-161226	
286	discussion	-	-	-	-	..	Rel-14	FS_NG_SReq		
287	WID new	-	-	-	-	..	Rel-14	-	RP-161147	
288	report	-	-	-	-	..	Rel-14	FS_NG_SReq		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
289	report	-	-	-	-	..	Rel-14	FS_NG_SReq		
290	discussion	-	-	-	-	..	Rel-14	FS_NG_SReq		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
291	pCR	38.913	-	-	-	0.3.0	Rel-14	FS_NG_SReq	RP-161230	
292	discussion	-	-	-	-	..	Rel-14	FS_NG_SReq		
293	discussion	-	-	-	-	..	Rel-14	FS_6GHz_CH_model		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
294	discussion	-	-	-	-	..	Rel-14	-		
295	discussion	-	-	-	-	..	Rel-14	FS_NG_SReq		
296	discussion	-	-	-	-	..	Rel-14	-	RP-161148	
297	WID new	-	-	-	-	..	Rel-14	-	RP-161216	
298	discussion	-	-	-	-	..	Rel-14	-		
299	discussion	-	-	-	-	..	Rel-14	-		
300	WID new	-	-	-	-	..	Rel-14	-	RP-161191	
301	discussion	-	-	-	-	..	Rel-14	-		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
302	WID new	-	-	-	-	..	Rel-14	-		
303	discussion	-	-	-	-	..	Rel-14	-		
304	discussion	-	-	-	-	..	Rel-14	-		
305	WID new	-	-	-	-	..	Rel-14	-		
306	discussion	-	-	-	-	..	Rel-14	-		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
307	discussion	-	-	-	-	..	Rel-14	-	RP-161173	
308	WID new	-	-	-	-	..	Rel-14	-	RP-161196	
309	discussion	-	-	-	-	..	Rel-14	-		
310	discussion	-	-	-	-	..	Rel-14	-		
311	SID new	-	-	-	-	..	Rel-13	-	RP-161197	

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
312	discussion	-	-	-	-	..	Rel-13	-		
313	discussion	-	-	-	-	..	Rel-13	-		
314	discussion	-	-	-	-	..	Rel-13	-		
315	discussion	-	-	-	-	..	Rel-14	FS_feD2D_IoT_relay_wearable		
316	WID new	-	-	-	-	..	Rel-14	-		
317	discussion	-	-	-	-	..	Rel-14	-		
318	discussion	-	-	-	-	..	Rel-14	-	RP-161190	
319	LS out	-	-	-	-	..	Rel-13	LTE_LAA	RP-161227	

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
320	pCR	38.913	-	-	E	0.3.0	Rel-14	FS_NG_SReq	RP-161242	
321	draft TR	36.858	-	-	-	1.0.0	Rel-14	LTE_FDD_2600_CA_B3	RP-161201	
322	discussion	-	-	-	-	..	Rel-14	-		
323	WI status report	-	-	-	-	..	Rel-14	FS_UTRA_LTE_JOP		
324	draft TR	37.805	-	-	-	1.0.0	Rel-14	FS_UTRA_LTE_JOP		
325	WI status report	-	-	-	-	..	Rel-14	LTE_MUST	RP-161162	
326	WID revised	-	-	-	-	..	Rel-14	LTE_MUST		
327	WID new	-	-	-	-	..	Rel-14	-		
328	discussion	-	-	-	-	..	Rel-14	-		
329	WI status report	-	-	-	-	..	Rel-14	LTE_LATRED_L2-Core		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
330	discussion	-	-	-	-	..	Rel-14	FS_NR_newRAT		
331	draft TR	36.881	-	-	-	1.0.0	Rel-14	FS_LTE_LATRED		
332	WI status report	-	-	-	-	..	Rel-13	LTE_MTCe2_L1-Perf	RP-161246	

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
333	draft TS	37.144	-	-	-	2.0.0	Rel-13	LTE_UTRA_TRP_TRS	RP-161225	
334	WID revised	-	-	-	-	..	Rel-13	LTE_UTRA_TRP_TRS	RP-161203	
335	WI status report	-	-	-	-	..	Rel-13	LTE_UTRA_TRP_TRS-Core	RP-161329	
336	WID new	-	-	-	-	..	Rel-14	-		
337	WI status report	-	-	-	-	..	Rel-14	LTE_CA_R14_3DL3UL-Core		
338	discussion	-	-	-	-	..	Rel-14	-		
339	CR	36.101	3641	-	B	13.3.0	Rel-13	LTE_4Rx_AP_DL-Perf		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
340	WID new	-	-	-	-	..	Rel-14	-	RP-161260	
341	discussion	-	-	-	-	..	Rel-14	-		
342	WID new	-	-	-	-	..	Rel-14	-	RP-161189	

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
343	discussion	-	-	-	-	..	Rel-14	-		
344	discussion	-	-	-	-	..	Rel-14	-		
345	discussion	-	-	-	-	..	Rel-14	FS_NR_newRAT		
346	discussion	-	-	-	-	..	Rel-14	-	RP-161176	
347	CR pack	-	-	-	-	..	Rel-14	LTE_AWS_3_4		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
348	CR pack	-	-	-	-	..	Rel-14	LTE_FDD_2600_CA_B3-Core		
349	CR pack	-	-	-	-	..	Rel-13	NB_IOT-Core		
350	CR pack	-	-	-	-	..	Rel-13	TEI13		
351	WID new	-	-	-	-	..	Rel-14	-	RP-161174	
352	discussion	-	-	-	-	..	Rel-14	-		
353	CR pack	-	-	-	-	..	Rel-13	LTE_WLAN_radio-Core, TEI13		
354	CR pack	-	-	-	-	..	Rel-13	COMP_LTE_IeNB_sig-Core, CSPS_Coord-UTRA-Core, LTE_extDRX-Core, LTE_MTCe2_L1-Core, LTE_extDRX-Core, RSE-RAN_LTE-Core		
355	report	-	-	-	-	..	Rel-14	FS_NG_SReq		
356	CR pack	-	-	-	-	..	Rel-12	TEI12		
357	pCR	38.913	-	-	-	0.3.0	Rel-14	FS_NG_SReq		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
358	WID new	-	-	-	-	..	Rel-14	-	RP-161219	

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
359	WID revised	-	-	-	-	..	Rel-14	LTE_CA_R14_5DL1UL		
360	WI status report	-	-	-	-	..	Rel-14	LTE_CA_R14_5DL1UL		
361	SID new	-	-	-	-	..	Rel-14	-	RP-161261	
362	discussion	-	-	-	-	..	Rel-14	-		
363	LS out	-	-	-	-	..	Rel-14	FS_NR_newRAT		
364	WI status report	-	-	-	-	..	Rel-13	LTE_LAA-Perf	RP-161235	

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
365	pCR	37.144	-	-	-	2.0.0	Rel-13	LTE_UTRA_TRP_TRS		
366	discussion	-	-	-	-	..	Rel-13	LTE_UTRA_TRP_TRS		
367	SID new	-	-	-	-	..	Rel-14	-	RP-161180	
368	CR pack	-	-	-	-	..	Rel-13	LTE_SC_enh_dualC-Core, TEI13		
369	CR pack	-	-	-	-	..	Rel-13	LTE_CA_enh_b5C-Core		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
370	CR pack	-	-	-	-	..	Rel-13	LTE_EBF_FDMIMO-Core		
371	CR pack	-	-	-	-	..	Rel-13	LTE_SC_PTM-Core		
372	CR pack	-	-	-	-	..	Rel-13	LTE_LAA-Core		
373	CR pack	-	-	-	-	..	Rel-13	LTE_MTCe2_L1-Core		
374	CR pack	-	-	-	-	..	Rel-13	NB_IOT-Core		
375	CR pack	-	-	-	-	..	Rel-12	TEI12		
376	CR pack	-	-	-	-	..	Rel-13	TEI13		
377	CR pack	-	-	-	-	..	Rel-13	TEI13		
378	WID new	-	-	-	-	..	Rel-13	-		
379	discussion	-	-	-	-	..	Rel-14	-		
380	CR pack	-	-	-	-	..	Rel-12	LTE-L23, TEI12		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
381	CR pack	-	-	-	-	..	Rel-12	LTE-L23, TEI12		
382	CR pack	-	-	-	-	..	Rel-13	LTE_IM_DLCCH-Perf		
383	CR pack	-	-	-	-	..	Rel-10	TEI10, LTE_CA-Core, LTE_SC_enh_L1-Core, LTE_CA_enh_b5C-Core, TEI12, TEI13		
384	CR pack	-	-	-	-	..	Rel-11	SPIA_IDC_LTE-Core, eICIC_enh_LTE-Core, TEI13		
385	CR pack	-	-	-	-	..	Rel-12	LTE_SC_enh_dualC-Core, LTE_SC_enh_L1-Core, LTE_D2D_Prox-Core		
386	CR pack	-	-	-	-	..	Rel-12	UTRA_DCHenh-Core, UTRA_HetNet_enh-Core, TEI13		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
387	CR pack	-	-	-	-	..	Rel-13	ACDC-RAN-Core, LTE_dualC_enh-Core, LTE_dualC_ext-Core, LTE_eD2D_Prox-Core, LTE_extDRX-Core, LTE_IM_DLCCH-Perf, LTE_LAA-Core, LTE_CA_enh_b5C-Core, LTE_EBF_FDMIMO-Core, LTE_MC_load-Core, LTE_MTCe2_L1-Core, LTE_SC_PTM-Core, LTE_UL64QAM-Core, LTE_WLAN_ra		
388	CR pack	-	-	-	-	..	Rel-13	NB_IOT-Core, TEI13		
389	CR pack	-	-	-	-	..	Rel-13	UTRA_LTE_iPos_enh-Core, DECOR-UTRA_LTE-Core		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
390	CR pack	-	-	-	-	..	Rel-11	UTRA_EDL_L23-Core, HSUPA_DB_MC-Core, TEI11		
391	WID new	-	-	-	-	..	Rel-14	-	RP-161194	
392	WI status report	-	-	-	-	..	Rel-13	LTE_LAA-UEConTest		
393	WI status report	-	-	-	-	..	Rel-14	LTE_CA_R14_2DL1UL		
394	WID revised	-	-	-	-	..	Rel-14	LTE_CA_R14_2DL1UL	RP-161202	
395	WI status report	-	-	-	-	..	Rel-13	LTE_WLAN_radio-UEConTest		
396	WI status report	-	-	-	-	..	Rel-13	LTE_eD2D_Prox-Perf		
397	draft TR	38.912	-	-	-	0.0.1	Rel-14	FS_NR_newRAT		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
398	CR	36.323	171	4	B	13.1.0	Rel-13	NB_IOT-Core		
399	draft TR	38.900	-	-	-	1.0.0	Rel-14	FS_6GHz_CH_model	RP-161108	
400	WI status report	-	-	-	-	..	Rel-12	UTRA_DCHenh-UEConTest		
401	WI status report	-	-	-	-	..	Rel-12	LTE_D2D_Prox-UEConTest		
402	WI status report	-	-	-	-	..	Rel-13	LTE_extDRX-UEConTest		
403	discussion	-	-	-	-	..	Rel-13	-		
404	discussion	-	-	-	-	..	Rel-13	-		
405	WID new	-	-	-	-	..	Rel-14	-		
406	WID new	-	-	-	-	..	Rel-14	-		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
407	pCR	38.913	-	-	-	0.3.0	Rel-14	FS_NG_SReq		RP-160755
408	WI status report	-	-	-	-	..	Rel-12	LTE_NAICS-UEConTest		
409	WI status report	-	-	-	-	..	Rel-7	MTSI_FIXED_ACCESS-UEConTest		
410	discussion	-	-	-	-	..	Rel-14	-		
411	discussion	-	-	-	-	..	Rel-14	-		
412	SID new	-	-	-	-	..	Rel-14	-		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
413	LS in	-	-	-	-	..	Rel-14	FS_NG_SReq		
414	CR	36.101	3591	1	B	13.3.0	Rel-14	LTE_CA_R14_2DL1UL		
415	draft TR	38.900	-	-	-	1.0.1	Rel-14	FS_6GHz_CH_model	RP-161222	RP-161092
416	WID new	-	-	-	-	..	Rel-14	-	RP-161234	RP-160872
417	LS out	-	-	-	-	..	Rel-13	LTE_LAA	RP-161228	
418	CR Pack	-	-	-	-	..	Rel-13	LCS_LTE, TEI13		
419	CR	36.331	2241	2	F	13.1.0	Rel-13	LTE_MTCe2_L1-Core	RP-161270	
420	LS out	-	-	-	-	..	Rel-13	LTE_MTCe2_L1-Core	RP-161312	

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
421	discussion	-	-	-	-	..	Rel-12	LTE-L23, TEI12		
422	WI status report	-	-	-	-	..	Rel-14	FS_LTE_V2X		RP-160789
423	CR pack	-	-	-	-	..	Rel-14	LTE_CA_R14_intra-Core		
424	CR pack	-	-	-	-	..	Rel-14	LTE_CA_R14_2DL1UL-Core		
425	CR pack	-	-	-	-	..	Rel-14	LTE_CA_R14_3DL1UL-Core		
426	CR pack	-	-	-	-	..	Rel-14	LTE_CA_R14_4DL1UL-Core		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
427	CR pack	-	-	-	-	..	Rel-14	LTE_CA_B2_B4_B12_B12-Core, LTE_CA_B4_B4_B12_B12-Core, LTE_CA_B4_B5_B12_B12-Core		
428	CR pack	-	-	-	-	..	Rel-14	LTE_CA_R14_5DL1UL-Core		
429	CR pack	-	-	-	-	..	Rel-14	LTE_CA_R14_2DL2UL-Core		
430	CR pack	-	-	-	-	..	Rel-14	LTE_CA_R14_xDL2UL-Core		
431	CR pack	-	-	-	-	..	Rel-14	LTE_FDD_2600_CA_B3-Core, LTE_FDD_2600_CA_B3-Perf		
432	CR pack	-	-	-	-	..	Rel-14	LTE_AWS_3_4		
433	CR pack	-	-	-	-	..	Rel-13	NB_IOT-Core		
434	CR pack	-	-	-	-	..	Rel-13	AAS_BS_LTE_UTRA-Perf		
435	CR pack	-	-	-	-	..	Rel-13	LTE_MTCe2_L1-Perf		
436	CR pack	-	-	-	-	..	Rel-13	LTE_CA_enh_b5C-Perf		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
437	CR pack	-	-	-	-	..	Rel-13	LTE_eD2D_Prox-Perf		
438	CR pack	-	-	-	-	..	Rel-13	LTE_MMSE_IRC_BS-Perf		
439	CR pack	-	-	-	-	..	Rel-13	LTE_dualC_enh-Perf		
440	CR pack	-	-	-	-	..	Rel-13	LTE_4Rx_AP_DL-Perf		
441	CR pack	-	-	-	-	..	Rel-13	LTE_LAA-Perf		
442	CR pack	-	-	-	-	..	Rel-13	LTE_EBF_FDMIMO-Perf		
443	CR pack	-	-	-	-	..	Rel-13	LTE_IM_DLCCH-Perf		
444	CR pack	-	-	-	-	..	Rel-8	TEI8		
445	CR pack	-	-	-	-	..	Rel-9	TEI9		
446	CR pack	-	-	-	-	..	Rel-10	LTE_CA-Core, LTE_CA-Perf		
447	CR pack	-	-	-	-	..	Rel-11	MB_MSR_RF-Core, MB_MSR_RF-Perf, LTE_CA_B38-Core, LTE_CA_B38-Perf, TEI11		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
448	CR pack	-	-	-	-	..	Rel-12	LC_MTC_LTE-Core, LTE_CA_B1_B3_B5-Perf, LTE_CA_B1_B42_B42-Perf, LTE_CA_B39_B41-Perf, LTE_CA_B39_B39_B41-Perf, LTE_CA_B39_B41_B41-Perf, LTE_CA_TDD_FDD-Perf, LTE_D2D_Prox-Perf, LTE_SC_enh_dualC-Core, LTE_SC_enh_dualC-Perf, LTE_SC_enh_L1-Perf, TEI12		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
449	CR pack	-	-	-	-	..	Rel-13	AAS_BS_LTE_UTRA-Core, LTE_4Rx_AP_DL-Core, LTE_AWS_EXT-Core, LTE_CA_B1_B3_B7_B7_B28-Perf, LTE_CA_B4_B4_B5_B30-Core, LTE_CA_B8_B42_B42-Core, LTE_CA_B1_B21_B42-Core, LTE_CA_B19_B21_B42-Core, LTE_CA_B1_B19_B21_B42-Core, LTE_CA_B1_B21_B42_B42-Core, LTE_CA		
450	discussion	-	-	-	-	..	Rel-14	FS_NR_newRAT		
451	CR Pack	-	-	-	-	..	Rel-12	UTRA_DCHenh-Core		
452	discussion	-	-	-	-	..	Rel-14	-		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
453	draft TR	25.707	-	-	-	1.0.1	Rel-14	FS_UTRA_MCe		RP-160974
454	WID new	-	-	-	-	..	Rel-14	-	RP-161218	RP-160980
455	discussion	-	-	-	-	..	Rel-14	-		RP-160989
456	discussion	-	-	-	-	..	Rel-14	-		
457	WID new	-	-	-	-	..	Rel-14	-		
458	discussion	-	-	-	-	..	Rel-14	-		
459	discussion	-	-	-	-	..	Rel-14	-		
460	WI status report	-	-	-	-	..	Rel-14	LTE_eLAA	RP-161250	RP-160876

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
461	discussion	-	-	-	-	..	Rel-14	-		RP-160812

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
462	CR	36.304	320	1	C	13.1.0	Rel-13	LTE_extDRX-Core		
463	LS out	-	-	-	-	..	Rel-13	LTE_extDRX-Core	RP-161311	
464	discussion	-	-	-	-	..	Rel-13	LTE_extDRX-Core		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
465	LS out	-	-	-	-	..	Rel-13	-	RP-161320	

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
466	WI status report	-	-	-	-	..	Rel-14	FS_feD2D_IoT_relay_wearable	RP-161264	RP-160828
467	WID new	-	-	-	-	..	Rel-14	-	RP-161281	
468	WI status report	-	-	-	-	..	Rel-14	LTE_LIGHT_CON-Core		RP-160936
469	WI status report	-	-	-	-	..	Rel-14	LTE_MUST		RP-161018
470	discussion	-	-	-	-	..	Rel-13	NB_IOT-Core		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
471	CR Pack	-	-	-	-	..	Rel-14	LTE_CA_R14_intra, LTE_CA_R14_2DL1UL, LTE_CA_R14_3DL1UL, LTE_CA_R14_4DL1UL, LTE_CA_R14_5DL1UL, LTE_SC_enh_dualC		
472	LS in	-	-	-	-	..	Rel-13	LTE_extDRX-Core		
473	LS in	-	-	-	-	..	Rel-14	-		
474	LS in	-	-	-	-	..	Rel-14	FS_NG_SReq		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
475	CR Pack	-	-	-	-	..	Rel-13	LTE_CA_B2_B4_B7_B12-Perf, LTE_CA_B4_B4_B5_B30-Perf, LTE_CA_B4_B4_B12_B30-Perf, LTE_CA_B4_B4_B29_B30-Perf, LTE_CA_B1_B3_B7_B7_B28-Perf, LTE_CA_B3_B3_B7_B7_B28-Perf		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
476	discussion	-	-	-	-	..	Rel-14	FS_NR_newRAT		RP-160799
477	report	-	-	-	-	..	-	-	RP-161335	

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
478	LS out	-	-	-	-	..	-	-	RP-161258	
479	agenda	-	-	-	-	..	-	-		RP-160695
480	discussion	-	-	-	-	..	Rel-14	-		RP-161000
481	WID new	-	-	-	-	..	Rel-14	-		RP-161044
482	WID new	-	-	-	-	..	Rel-14	-		RP-160917
483	discussion	-	-	-	-	..	Rel-14	-		RP-161039
484	discussion	-	-	-	-	..	Rel-14	-		
485	LS out	-	-	-	-	..	Rel-14	FS_6GHz_CH_model	RP-161314	

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
486	discussion	-	-	-	-	..	Rel-14	FS_6GHz_CH_model		RP-160977

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
487	SID new	-	-	-	-	..	Rel-14	-	RP-161209	RP-161060
488	SID new	-	-	-	-	..	Rel-14	-		RP-160824
489	WID new	-	-	-	-	..	Rel-14	-		RP-160807
490	discussion	-	-	-	-	..	Rel-14	-		RP-160808
491	WID new	-	-	-	-	..	Rel-14	-	RP-161273	RP-160795
492	WID new	-	-	-	-	..	Rel-14	-	RP-161274	RP-160951
493	SID new	-	-	-	-	..	Rel-14	-	RP-161257	RP-160769

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
494	SID new	-	-	-	-	..	Rel-14	-		RP-160771
495	WID new	-	-	-	-	..	Rel-14	-	RP-161316	RP-160975
496	WID new	-	-	-	-	..	Rel-14	-		RP-161035

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
497	discussion	-	-	-	-	..	Rel-14	-		RP-161011
498	WID new	-	-	-	-	..	Rel-14	-		RP-160993

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
499	discussion	-	-	-	-	..	-	-	RP-161193	
500	discussion	-	-	-	-	..	-	-		RP-161192
501	WID new	-	-	-	-	..	Rel-14	-		RP-161084
502	CR	36.304	311	2	B	13.1.0	Rel-13	NB_IOT-Core		
503	WID new	-	-	-	-	..	Rel-14	-	RP-161232	RP-161001

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
504	SID new	-	-	-	-	..	Rel-13	-		RP-161004
505	discussion	-	-	-	-	..	Rel-14	-		
506	LS in	-	-	-	-	..	Rel-14	FS_NSA, FS_NG_SReq		
507	WID revised	-	-	-	-	..	Rel-14	LTE_FDD_2600_CA_B3		
508	draft TR	36.858	-	-	-	1.0.1	Rel-14	LTE_FDD_2600_CA_B3		RP-161014
509	WID revised	-	-	-	-	..	Rel-14	LTE_CA_R14_2DL1UL		RP-161087
510	WID revised	-	-	-	-	..	Rel-13	LTE_UTRA_TRP_TRS	RP-161323	RP-161027

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
511	WID new	-	-	-	-	..	Rel-14	-		RP-160882
512	pCR	38.913	-	-	-	0.3.0	Rel-14	FS_NG_SReq		RP-160961
513	pCR	38.913	-	-	-	0.3.0	Rel-14	FS_NG_SReq		RP-160966
514	pCR	38.913	-	-	-	0.3.0	Rel-14	FS_NG_SReq		RP-160968
515	pCR	38.913	-	-	-	0.3.0	Rel-14	FS_NG_SReq		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
516	SID new	-	-	-	-	..	Rel-14	-		RP-161180
517	pCR	38.913	-	-	-	0.3.0	Rel-14	FS_NG_SReq		RP-160885
518	CR	36.331	2231	7	B	13.1.0	Rel-13	NB_IOT-Core		
519	pCR	38.913	-	-	-	0.3.0	Rel-14	FS_NG_SReq		RP-160772

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
520	pCR	38.913	-	-	-	0.3.0	Rel-14	FS_NG_SReq		RP-160899
521	SID revised	38.912	-	-	-	..	Rel-14	FS_NR_newRAT		RP-160900
522	WID new	-	-	-	-	..	Rel-14	-		RP-160870
523	WID new	-	-	-	-	..	Rel-14	-	RP-161229	RP-160990

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
524	discussion	-	-	-	-	..	Rel-13	-		
525	SID new	-	-	-	-	..	Rel-14	-		RP-161147
526	WID new	-	-	-	-	..	Rel-14	-		RP-161051

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
527	SID new	-	-	-	-	..	Rel-14	-		RP-160788
528	WID new	-	-	-	-	..	Rel-14	-		RP-160785
529	draft TR	38.900	-	-	-	2.0.0	Rel-14	FS_6GHz_CH_model	RP-161301	RP-161108
530	discussion	-	-	-	-	..	Rel-14	MBMS_LTE_enh2	RP-161241	
531	SID revised	-	-	-	-	..	Rel-14	FS_feD2D_IoT_relay_wearable	RP-161265	RP-160829
532	draft TS	37.144	-	-	-	2.0.0	Rel-13	LTE_UTRA_TRP_TRS		RP-161026
533	LS out	-	-	-	-	..	Rel-13	NB_IOT		RP-160978
534	LS out	-	-	-	-	..	Rel-13	LTE_LAA		RP-161012
535	LS out	-	-	-	-	..	Rel-13	LTE_LAA		RP-161110

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
536	WID new	-	-	-	-	..	Rel-14	-	RP-161259	RP-161216
537	pCR	38.913	-	-	-	0.3.0	Rel-14	FS_NG_SReq		RP-160984
538	WI status report	-	-	-	-	..	Rel-14	FS_LTE_NW_SYNC		RP-160938
539	WID new	-	-	-	-	..	Rel-14	-		RP-161196
540	LS out	-	-	-	-	..	Rel-14	FS_LTE_NW_SYNC	RP-161262	

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
541	WID new	-	-	-	-	..	Rel-14	-	RP-161299	RP-161109
542	WI status report	-	-	-	-	..	Rel-13	LTE_LAA-Perf		RP-161057
543	WI status report	-	-	-	-	..	Rel-13	LTE_4Rx_AP_DL-Perf		RP-160802
544	WID revised	-	-	-	-	..	Rel-13	LTE_4Rx_AP_DL-Perf		
545	WID new	-	-	-	-	..	Rel-14	-		RP-160803

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
546	discussion	-	-	-	-	..	Rel-14	-	RP-161253	
547	WID revised	-	-	-	-	..	Rel-14	MBMS_LTE_enh2		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
548	discussion	-	-	-	-	..	Rel-14	MBMS_LTE_enh2		RP-161223

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
549	pCR	38.913	-	-	E	0.3.0	Rel-14	FS_NG_SReq		RP-161013
550	WID revised	-	-	-	-	..	Rel-14	MBMS_LTE_enh2	RP-161286	RP-160874
551	WI status report	-	-	-	-	..	Rel-14	MBMS_LTE_enh2	RP-161287	RP-160873
552	discussion	-	-	-	-	..	Rel-14	-		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
553	WI status report	-	-	-	-	..	Rel-13	LTE_MTCe2_L1-Perf		RP-161025
554	discussion	-	-	-	-	..	Rel-13	NB_IOT-Core		
555	CR	36.331	2231	8	B	13.1.0	Rel-13	NB_IOT-Core		
556	discussion	-	-	-	-	..	Rel-14	-	RP-161266	
557	WI status report	-	-	-	-	..	Rel-14	LTE_eLAA		RP-161153
558	discussion	-	-	-	-	..	Rel-14	-		
559	LS out	-	-	-	-	..	-	FS_LTE_V2X	RP-161315	

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
560	discussion	-	-	-	-	..	Rel-14	-		RP-161239
561	pCR	38.913	-	-	-	0.3.0	Rel-14	FS_NG_SReq		RP-160887

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
562	discussion	-	-	-	-	..	Rel-14	MBMS_LTE_enh2		
563	discussion	-	-	-	-	..	Rel-14	-		
564	SID new	-	-	-	-	..	Rel-14	-		RP-161186
565	LS out	-	-	-	-	..	-	-		RP-161171
566	WID new	-	-	-	-	..	Rel-14	-		RP-161229

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
567	WID new	-	-	-	-	..	Rel-14	-		RP-161033
568	SID new	-	-	-	-	..	Rel-14	-		RP-161054
569	LS out	-	-	-	-	..	Rel-14	FS_LTE_NW_SYNC		RP-161233
570	SID revised	-	-	-	-	..	Rel-14	FS_LTE_V2X		RP-160791
571	WI status report	-	-	-	-	..	Rel-14	FS_feD2D_IoT_relay_wearable	RP-161290	RP-161159
572	SID revised	-	-	-	-	..	Rel-14	FS_feD2D_IoT_relay_wearable	RP-161303	RP-161224

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
573	discussion	-	-	-	-	..	Rel-14	-		RP-161249

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
574	WI status report	38.912	-	-	-	..	Rel-14	FS_NR_newRAT	RP-161304	RP-160901
575	discussion	-	-	-	-	..	Rel-14	-		
576	report	-	-	-	-	..	Rel-14	-		
577	CR	36.331	2241	3	F	13.1.0	Rel-13	LTE_MTCe2_L1-Core		RP-161112
578	WID new	-	-	-	-	..	Rel-14	-		RP-160909
579	WID revised	-	-	-	-	..	Rel-14	LTE_SL_V2V-Core	RP-161293	RP-160793
580	WID new	-	-	-	-	..	Rel-14	-	RP-161298	RP-161184
581	WID new	-	-	-	-	..	Rel-14	-		RP-161185
582	discussion	-	-	-	-	..	Rel-12	-	RP-161326	
583	pCR	38.913	-	-	-	0.3.0	Rel-14	FS_NG_SReq	RP-161309	RP-160981
584	pCR	38.913	-	-	-	0.3.0	Rel-14	FS_NG_SReq		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
585	pCR	38.913	-	-	-	0.3.0	Rel-14	FS_NG_SReq	RP-161317	
586	discussion	-	-	-	-	..	Rel-14	-		
587	discussion	-	-	-	-	..	Rel-14	-		
588	WID new	-	-	-	-	..	Rel-14	-		RP-161160
589	CR	25.212	337	2	F	12.1.0	Rel-12	UTRA_DCHenh-Core		
590	CR	25.212	338	2	A	13.0.0	Rel-13	UTRA_DCHenh-Core		
591	CR Pack	-	-	-	-	..	Rel-13	LTE_LAA-Core		
592	LS in	-	-	-	-	..	-	-		

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
593	WID revised	-	-	-	-	..	Rel-14	MBMS_LTE_enh2	RP-161297	RP-161243
594	WI status report	-	-	-	-	..	Rel-14	MBMS_LTE_enh2	RP-161296	RP-161244

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
595	discussion	-	-	-	-	..	Rel-14	-		
596	LS out	-	-	-	-	..	Rel-14	FS_NR_newRAT	RP-161331	

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
597	WI status report	-	-	-	-	..	Rel-14	FS_feD2D_IoT_relay_wearable	RP-161305	RP-161264
598	discussion	-	-	-	-	..	Rel-14	-		
599	WID new	-	-	-	-	..	Rel-14	-	RP-161318	RP-160813
600	WID revised	-	-	-	-	..	Rel-14	LTE_SL_V2V-Core		
601	WI status report	-	-	-	-	..	Rel-14	LTE_eMob-Core		RP-160920
602	WID new	-	-	-	-	..	Rel-14	-		
603	WI status report	-	-	-	-	..	Rel-14	MBMS_LTE_enh2		RP-161287
604	WID revised	-	-	-	-	..	Rel-14	MBMS_LTE_enh2		RP-161286
605	WID new	-	-	-	-	..	Rel-14	-		RP-161273
606	WID new	-	-	-	-	..	Rel-14	-		RP-161234
607	SID revised	-	-	-	-	..	Rel-14	FS_LTE_BW_flex	RP-161328	RP-160943
608	draft TR	38.900	-	-	-	2.0.0	Rel-14	FS_6GHz_CH_model		RP-161222
609	Work Plan	-	-	-	-	..	-	-		RP-160711
610	SID revised	-	-	-	-	..	Rel-14	FS_feD2D_IoT_relay_wearable		RP-161265
611	WI status report	38.912	-	-	-	..	Rel-14	FS_NR_newRAT		RP-161267

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
612	WI status report	-	-	-	-	..	Rel-14	FS_feD2D_IoT_relay_wearable		RP-161290
613	discussion	-	-	-	-	..	Rel-14	-		
614	LS out	-	-	-	-	..	Rel-12	LTE_SC_enh_L1-Core	RP-161327	
615	discussion	-	-	-	-	..	Rel-14	FS_NG_SReq		
616	pCR	38.913	-	-	-	0.3.0	Rel-14	FS_NG_SReq		RP-161276
617	discussion	-	-	-	-	..	Rel-14	-		
618	LS out	-	-	-	-	..	Rel-13	LTE_extDRX-Core		RP-161156
619	LS out	-	-	-	-	..	Rel-13	LTE_MTCe2_L1-Core		RP-161113

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
620	report	-	-	-	-	..	-	-		RP-160696
621	LS out	-	-	-	-	..	Rel-14	FS_6GHz_CH_model		RP-161178
622	LS out	-	-	-	-	..	Rel-14	FS_LTE_V2X	RP-161322	RP-161252
623	WID new	-	-	-	-	..	Rel-14	-		RP-161188
624	pCR	38.913	-	-	-	0.3.0	Rel-14	FS_NG_SReq		RP-161278
625	WID new	-	-	-	-	..	Rel-14	-	RP-161324	RP-161292

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
626	WID new	-	-	-	-	..	Rel-14	-	RP-161321	RP-160878
627	LS out	-	-	-	-	..	Rel-13	-	RP-161330	RP-161158
628	WID new	-	-	-	-	..	Rel-14	-		RP-161319
629	LS out	-	-	-	-	..	Rel-14	FS_LTE_V2X		RP-161315
630	WID revised	-	-	-	-	..	Rel-13	LTE_UTRA_TRP_TRS		RP-161203
631	WID new	-	-	-	-	..	Rel-14	-		RP-161318
632	WI status report	-	-	-	-	..	Rel-14	FS_LTE_BW_flex		RP-160942

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
633	discussion	-	-	-	-	..	Rel-12	-		RP-161275
634	LS out	-	-	-	-	..	Rel-12	LTE_SC_enh_L1-Core		RP-161307
635	SID revised	-	-	-	-	..	Rel-14	FS_LTE_BW_flex		RP-161300
636	WI status report	-	-	-	-	..	Rel-13	LTE_UTRA_TRP_TRS-Core		RP-161028
637	LS out	-	-	-	-	..	Rel-13	-		RP-161320
638	LS out	-	-	-	-	..	Rel-14	FS_NR_newRAT	RP-161333	RP-161289
639	WI status report	-	-	-	-	..	Rel-14	LTE_SRS_switch		RP-160934
640	LS out	-	-	-	-	..	Rel-14	FS_NR_newRAT		RP-161331

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	H	I	J	K	L	M	N	O	P	Q
1	Doc-type	Spec	CRnbr	CRrev	CRcat	Version-Current	Release	WorkItem	Replaced-by	Replaces
641	draft TR	38.913	-	-	-	0.4.0	Rel-14	FS_NG_SReq		RP-160810
642	report	-	-	-	-	..	-	-		RP-161170

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	R	S	T	U
1	Abstract	Report	originalLS	To
2		note: WI code of AI 13.5.6 is LTE_MTCe2_L1-UEConTest (RP-160695 shows a wrong WI code here)		-
3				-
4		Blackberry: RAN1 had excessive number of offline sessions which finished at extreme times, how will this be handled in the future? RAN1 chair: we had some guidance from PCG, for LTE we had too many items and we need to careful review this; RAN chair: there is a guideline from PCG that will be presented later; we should only approve a few items and also try to reduce the scope		-
5				-
6		Telecom Italia: work on NB-IOT completed, so ASN.1 frozen for it? RAN2 chair: yes, ASN.1 frozen also for NB-IOT Blackberry: 5TUs for maintenance includes NB-IOT? RAN2 chair: no, NB-IOT would be in a parallel session, 1 or 2 days Blackberry: how many parallel sessions in next RAN2? RAN2 chair: like in last quarter (max. 4 parallel topics) but NB-IOT just 1 or 2 days; REL-14 NB-IOT will be part of LTE time budget (so no extra handling like in REL-13); Fujitsu: TUs for maintenance in UMTS similar to LTE, would assume more for LTE; RAN2 chair: UMTS estimation may be a bit overestimated here but they have no real limitation (handled in separate session) Note: Rel-13 ASN.1 was frozen in March 2016. At RAN #72, NB-IOT is added to Rel-13 specs in a backward compatible way and ASN.1 NB-IOT is frozen as well. Future corrections to NB-IOT need to be backward compatible as well.		-

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	R	S	T	U
1	Abstract	Report	originalLS	To
7				-
8		ATT: gNB? RAN3 chair: Node B in NR SA chair: regarding IEEE1914 (slide 28): we will get requests from outside of 3GPP that we will consider, this is business as usual Orange: slide 22: SA2 did not yet decide to use the same interface RAN3 chair: yes, that's why we have just a working assumption so far		-
9				-
10		Qualcomm: slide 70: TUs not clear RAN4 chair: remaining IOT is just for perf. part KT: TUs available for Sep.: any space for RAN4 WIs/SIs? RAN4 chair: we will also see WIs led by other WGs that have impact on RAN4, we will focus next time on REL-13 Perf. parts ATT: Band 3/Band39: no work? RAN4 chair: no agreed documents		-
11				-

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	R	S	T	U
1	Abstract	Report	originalLS	To
12		RAN5 chair: 2 IOT ad hocs planned in June and Oct. Blackberry: ad hoc in Sophia Antipolis will have signalling and and RF session? RAN5 chair: only RF topics Telecom Italia: there was a problem of approving a new WI before RAN4 has done Perf. work RAN5 chair: related to MIMO OTA WI; RAN5 endorsed the WI but with the caveat that not much work will be done on this in the next few meetings Telecom Italia: suggests to wait with the approval until RAN4 work is done		-
13				-
14				-
15		ATT: slide 6 bottom: efficient security unclear SA chair: low BW communication system with good security will be challenging esp. with 10 years battery life time ZTE: same slide: study for next generation system is postponed from Sep. to Dec., any reason? SA chair: SA3 analysis at the same time not realistic, some stability in SA2 needed Telecom Italia: we need aligned roadmaps in SA and in RAN SA chair: common goal is to draft WIDs in Dec.16 KT: WI in Dec.16 will include security? or 2 WIs? SA chair: whether it is one or more WIDs we will see, important is that we have at least one		-

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	R	S	T	U
1	Abstract	Report	originalLS	To
16		RAN chair: we will come back on Wed on ITU-R topics, so on Monday just announcements for urgent issues; Nokia: Tdoc reference for company contribution? Telecom Italia: RP-161158		-
17		presented by GERAN vice-chair (ZTE) RAN confirmed as convenor for RAN6: Juergen Hofmann (Nokia) note: convener will chair the first 2 RAN6 meetings and in the 2nd RAN6 meeting an election for the new RAN6 leaders takes place		-
18				-
19		handled in joint RAN-SA session on Wed 18:30-20:00: Deutsche Telekom (EF3 = European Friends of 3GPP chair): with new 5G activities the requests for more meetings, more parallel sessions and the increased number of participants (e.g. RAN1: ~600 registrations) create a severe problems for hosts of 3GPP meetings (not just in Europe): financially and logistically (e.g. to find hotels which can host these big meetings), in this connection also collocation of WGs can be problematic; request to take this into account and to find a solution; head of MCC: presented RP-160712 showed strong increase of meeting participation, the dramatic increase of hosting costs by a factor of ~3 if EF3 is forced to host meetings in conference centers and reminded participants of the PCG's strong recommendation on working hours SA chair: we need more support or share the costs		-
20	RAN action requested	compare new SID proposal in RP-161005 and RP-161004 under AI 10.1.4 no LS answer to RAN4	R4-163134	-

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	R	S	T	U
1	Abstract	Report	originalLS	To
21	REAR = Remote UE access via relay UE is a REL-14 SA1 WI started in March 16; no RAN action requested	RAN2 chair: was discussed in LTE D2D scope in RAN2 and is covered; no LS answer to SA1	S1-161605	-
22	LWIP = LTE WLAN Radio Level Integration with IPsec Tunnel; REL-13 WI LTE_WLAN_radio-Core was completed in March 16; LS is referring to SA3 agreed CR S3-160722; no RAN action requested	RAN3 chair: we send also an LS to SA3 that this was handled without interface so SA3 will handle this; SA chair: SA3 is completing last open issues to finish the topoc no LS answer to SA3	S3-160831	-
23	no explicit RAN action requested	Telecom Italia: values are not really in line; in Europe not much progress above 6GHz, 2GHz is less realistic no LS answer to ECC PT1	CEPT ECC PT1 (16)083_A31	-
24	Tdoc is submitted addressing PCG Action A-PCG36/7 (To ensure that PCG_36_23 is submitted to the TSG #72 meetings); note: LTE_eD2D_Prox-Core was completed in March 16; no explicit RAN action requested	no LS answer to PCG	PCG36_23	-
25	no RAN action requested	no LS answer to ECC WG SE	CEPT ECC WG SE	-

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1	Abstract	Report	originalLS	To
26	follow-up LS of LSin RP-160037 which was treated at RAN #71 without LS answer; no RAN action requested	RAN chair: SA will take care of this no LS answer from RAN to ITU-T SG13	ITU-T SG13/COM 13-LS142-E	-
27	RAN action requested	no reply so far but RAN is working on its submission to IMT-2020	ITU-R SG5/CIR/0059	-
28	no explicit RAN action requested	Telecom Italia drafted a reply LS in RP-161171, see AI 8.4 (final LS answer in RP-161258)	ITU-R WP5A/TEMP/1(Rev.1)	-

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1	Abstract	Report	originalLS	To
29	no RAN action requested	Telecom Italia drafted a reply LS in RP-161171 (final LS answer in RP-161258)	ITU-R WP5C/TEMP/16-E	-
30	no explicit RAN action requested	answer to ITU-R WP5A is postponed conclusion: RAN tasks 3GPP ITU-R Ad-Hoc to provide a draft reply by RAN#73	ITU-R WP5A/TEMP/39	-
31	no explicit RAN action requested	no LS answer to IEEE 802 LMSC	IEEE_802_LMSC_LS_160318	-
32	RAN action requested	no LS answer to WFA	WFA_LS_160404	-

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1	Abstract	Report	originalLS	To
33	RAN action requested	no LS answer to WFA	WFA_LS_160422	-
34	RAN action requested	Huawei drafted an LS answer RP-161012 (final LS answer in RP-161227)	City_NY_LS_160502	-
35	note: link [1] in the LS is not public and requires a special license and could therefore not be attached to the LS; no RAN action requested	no LS answer to WFA	WFA_LS_160520	-
36	RAN action requested; note: LTE_LAA-Core was completed in Dec.15;	RAN and RAN1 prepared a reply LS in RP-161110 (final answer in RP-161228)	IEEE_802_LMSC_LS_160521	-
37	LWA = LTE-WLAN Aggregation; LWIP = LTE WLAN Radio Level Integration with IPsec Tunnel; no RAN action requested	presented by Broadcom no LS answer to IEEE 802.11	IEEE_802.11_LS160321-0489r2	-
38	NYU = New York University; no RAN action requested	no LS answer to NYU Wireless, topic was handled in RAN1	NYU_Wireless_LS_160406	-
39	no RAN action requested	no LS answer to GERAN/RAN6	R1-166029	-
40	no RAN action requested	no LS answer to RAN3	R1-166033	-

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1	Abstract	Report	originalLS	To
41	This RAN4 LS is preparing a reply LS to ITU-R WP5D/TEMP/39(Rev.2) = RP-160508 received at RAN #71; RAN action requested	LS answer was approved by email via the RAN reflector before RAN #72 in RP-161056	R4-164527	-
42	no RAN action requested	no LS answer to RAN1	R1-166040	-
43	no RAN action requested	no LS answer to RAN1	R1-166041	-
44	note: R4-163150 was only sent to RAN1, RAN2 and not to/cc RAN; no RAN action requested; WI LTE_MTCe2_L1-Core was declared to be 100% complete in March 16;	Huawei: related to flagged status report (Core part is completed but additional work for multiple WGs) no LS answer to RAN1	R1-166042	-
45	no explicit RAN action requested	no LS answer to RAN2	R2-164543	-

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1	Abstract	Report	originalLS	To
46	RAN action requested; note: If a new TR is created, then this must be done under a new/open WI/SI. This LS means a RAN1 evaluation and not the ongoing RAN4 REL-13 Perf. part.	Deutsche Telekom: supports this documentation to list the performance CMCC: supports such a study as well Nokia: assumes that this is not a 0 TU issue so will be a precedence case RAN chair: agrees, topic will be treated like other topics so operators will have to take this into account Vodafone: hopes it takes no time in WGs Mediatek: thinks we can minimize the impact on WGs Qualcomm: should be low priority Ericsson: topic will cause offline time, reading the WID it looks like another simulation campaign Huawei: 0.5 TU is considered but yes it will need some offline time; a lot of simulations may be reused and we only need to update in some cases ATT: we could maybe include this simulation work in the REL-14 enhancements Panasonic: title may be misleading Qualcomm: 0.5TU is the right amount no LS answer to RAN1	R1-166037	-
47	no explicit RAN action requested	no LS answer to RAN1	R1-166029	-
48	RAN action requested	no LS answer to RAN1 Ericsson: will send it to ETSI groups, 3GPP will work on it in a WI with target Dec.16 Huawei: we should encourage them to use shared spectrum	R1-166033	-

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1	Abstract	Report	originalLS	To
49	no RAN action requested; note: LS is suggesting a new REL-13 TR "Multi-node tests for Licensed-Assisted Access to Unlicensed Spectrum"; REL-13 was frozen in Dec.15 but the topic could be considered as a new class of BS coexistence testing under RAN4;	no LS answer to RAN4	R4-164972	-
50	RAN action requested	answer to ITU-R WP5A is postponed conclusion: RAN tasks 3GPP ITU-R Ad-Hoc to provide a draft reply by RAN#73	ITU-R WP5A/TEMP/45(Rev.1)	-
51	no RAN action requested	no LS answer to SA2	S2-163205	-
52		MCC: target date change; conclusion: approved: 95%, Sep.16		-
53		MCC: target date change; conclusion: approved: 75%, Sep.16		-
54				-
55	last approved WID: RP-160148			-

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1	Abstract	Report	originalLS	To
56	13 CA band combos were completed in 3DL/2UL CA band combos. 1 CA band combo was completed in 4DL/2UL CA band combos.	conclusion: approved: Core: 40%, March 17; Perf: 0%, March 17		-
57	adding requirements for C-RAN = Cloud RAN	NTT DOCOMO: unclear how RAN can analyse implementation based mechanism Qualcomm: has also a problem with the 2nd sentence RAN chair: what about 1st sentence? Intel: why are we talking about implementation based and not standard based? RAN3 chair: some definition of cloud would be needed Deutsche Telekom: is NFV based not cloud based as well? KT: can centralized or distributed RAN3 chair: work is already ongoing so why extra requirement? RAN chair: can come back if you come up with a proposal that has more support		-
58	RAN3 TR 36.896 is provided for information			-
59		MCC: target date already in REL-16; conclusion: China Telekom: instead of Sep.19 we meant Sep.16 approved: 60%, Sep.16		-

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1	Abstract	Report	originalLS	To
60	new WI for GERAN; leading WG: RAN5; note: This is an ongoing GERAN WI (WI code CIoT_EC_GSM_GERAN3new; 40% complete, target: Sep.16?) that is now transferred into RAN5; tested: CIoT_EC_GSM; WI code to be used: CIoT_EC_GSM-MSConTest			-
61	new test WI for LTE; leading WG: RAN5; tested: LTE_CA_R14_intra-Core, LTE_CA_R14_2DL1UL-Core, LTE_CA_R14_3DL1UL-Core, LTE_CA_R14_4DL1UL-Core, LTE_CA_R14_5DL1UL-Core, LTE_CA_R14_2DL2UL-Core, LTE_CA_R14_xDL2UL-Core, LTE_CA_R14_3DL3UL-Core			-
62	Satellite use cases, deployment scenarios,requirements and propose to approve the text proposal	result of email discussion [RAN#71-08]		-
63		conclusion: approved: 20%, Dec.16		-

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1	Abstract	Report	originalLS	To
64		MCC: target date change; conclusion: approved: 96%, Sep.16		-
65		MCC: target date change; conclusion: approved: 98%, Sep.16		-
66		MCC: target date change; conclusion: approved: 70%, Sep.16		-
67		MCC: target date change; conclusion: approved: 4%, Dec.16		-
68	includes all Rel-13 CA configurations associated by the 137 RAN4 Rel-13 CA WIs. The completion per CA configuration is provided by the SR attached work plan (8 CA configurations completed).	conclusion: approved: 22% , March 17		-
69		MCC: target date change; conclusion: approved: 25%, Dec.16		-
70		conclusion: approved: 65%, Sep.16		-
71		conclusion: approved: 6%, Dec.16		-
72	last approved WID: RP-160065			-
73	RAN4 TR 36.884 is submitted for approval			-

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1	Abstract	Report	originalLS	To
74		conclusion: approved: 100%, June 16; Perf. part WI completed		-
75	motivation for new SI proposal			-
76	new SI for LTE; leading WG: RAN4;			-
77	Motivation for new SI: NB-IoT RF requirement to coexistence with CDMA			-
78	new SI for LTE; leading WG: RAN4			-

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1	Abstract	Report	originalLS	To
79		Huawei: so far lawful interception is done in core network and not RAN RAN chair: will be done in SA3 LI, so this is just indicating that RAN will support their work Telecom Italia: is regarding communication that does not go into the core network Broadcom: intention to introduce identifiers in RAN Telecom Italia: has not yet a solution SA chair: so far group has provided architecture proposal to SA3 LI for review, involving SA3 LI earlier is recommended in case of bigger architecture changes SA2 chair: such a generic requirement may bring functionality that is not intended, e.g. so far no identifiers in RAN were used, so checking specific service would be better Telecom Italia: worried that regulator may not allow to operate a network without LI possibilities RAN chair: we could minute that RAN architecture design for NR shall be sent to SA3 LI for review Nokia: "RAN design shall fulfill the LI requirement" could be a way forward KT: not all countries have LI requirements, so "should" would be better conclusion: discuss offline and come with a revision that can be agreed		-

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1	Abstract	Report	originalLS	To
80		Telecom Italia: also SwissCom is supporting this document proposal: working assumption to be used in RAN1 simulations: The antenna size to be used in the BS for simulations of macro outdoor scenarios is the following: -Below 1 GHz: 2.5x0.5 m -Around 4 GHz: 1.4x0.3 m The number of antenna elements to be used in the simulations must be consistent with the above antenna sizes. Huawei: some evaluations needed for practical antenna sizes NTT DOCOMO: wants to come back at RAN #73 conclusion: email discussion until RAN #73 (rapporteur: Telecom Italia)		-
81	Last approved WID: RP-160064			-
82		conclusion: approved: 75%, Sep.16		-
83		conclusion: approved: Core: 90%, Sep.16; Perf.: 30%, Sep.16		-
84		conclusion: approved: Perf.: 100%, June 16; Perf. part WI completed		-
85	RAN4 TR 37.871 is provided for information			-

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1	Abstract	Report	originalLS	To
86		conclusion: approved: Core: 30%, Dec.16; Perf.: 0%, March 17		-
87	new WI for UMTS and LTE; leading WG: RAN4; discussed but not agreed at RAN #71; follow-up WI of REL-12 WI LTE_UTRA_IncMon			-
88	new WI for UMTS and LTE ; leading WG: RAN4; discussed but not agreed at RAN #71			-
89		MCC: target date change; conclusion: approved: Core: 100%, June 16; Perf.: 100%, June 16; Core and Perf. part WI completed		-
90	last approved WID: RP-151731; change in affected specifications			-
91		MCC: target date change; conclusion: approved: 100%, June 16; SI completed (6 months earlier)		-
92	new WI for LTE only; leading WG: RAN4; proposes to add band 41 power class 2 support; follow-up WI of SI FS_LTE_B41_HPUE (see AI 10.6.4)	Ericsson: supports the WI as well NTT DOCOMO: what has RAN2 to do on this in the next quarter? RAN chair: for the moment some RAN2 TUs are requested Sprint: we can remove the RAN2 TU		-
93	RAN4 TR TR 36.886 is provided for 1-step approval			-
94	RAN4 TR 36.749 is provided for 1-step approval			-

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1	Abstract	Report	originalLS	To
95	new SI for LTE; leading WG: RAN4; is to give some indications on resource restriction scheme for potential organizations to consider Band 11 for the newly identified IMT spectrum in 1.5GHz against satellite protection imposed by ITU-R.	Softbank: KDDI is also supporting it NTT DOCOMO: supports the SI but would like to modify text on resource block restriction scheme RAN chair: Etisalat is also interested		-
96				-
97	RAN1 TR 36.885 is provided for approval			-
98	last approved SID: RP-160657	Telecom Italia: TR number to be added and completion date to be corrected		-
99		conclusion: approved: Core: 60%, Sep.16; Perf.: 0%, March 17;		-
100	last approved WID: RP-160649			-
101				-
102	new WI for LTE only; leading WG: RAN1			-

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1	Abstract	Report	originalLS	To
103	text proposal to update definition of reliability and KPI values for eV2X	Qualcomm: "within a few meters" could be a more accurate? LG: is based on SA1 TR RAN chair: can still refine in next meeting if necessary NTT DOCOMO: where are the packet sizes coming from? LG: we looked as most challenging cases Telecom Italia: definition of latency missing, from where to where LG: user plane latency RAN chair: as defined earlier NTT DOCOMO: would like to further check it, also check with SA LG: has [ ] for the values RAN chair: can still be changed conclusion: discuss further offline, we will come back to it Finally RP-160796 was merged with RP-160966 into pCR RP-161206		-
104		RAN chair: is this not already studied? LG: would like to see this also for NR Qualcomm: flexible duplex was discussed for NR but not full duplex; full duplex in UE or BS or both? LG: first network,then UE, but intend both sides Etisalat: for FDD or TDD? Panasonic: full duplex would have bigger implementation impacts Sprint: agreement was to study it in NR and not LTE		-
105	Motivation for WID on QoE measurement			-
106				-

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1	Abstract	Report	originalLS	To
107	new WI for LTE and UMTS; leading WG: RAN2	Nokia: what is missing from the existing metrics? before we invent the wheel again we should look at this first in a SI; ATT: have you looked at privacy aspects as well? Mediatek: SA4 work is not yet completed (going on until end of the year) so we should wait with this ATT: we should not wait for SA4		-
108		see RP-160920 instead		-
109		NTT DOCOMO: Some open issues captured on the 4Rx SR RP-160134 in RAN#71 meeting are not finalized yet. Therefore, the completion level for RAN4 perf is not 100%;		-
110	new WI for LTE; leading WG: RAN4			-
111	Motivation with general proposal and scope for the new WI			-
112		Qualcomm: for connection density evaluation we could follow latest RAN1 agreements Nokia: if RAN1 is already on working on it, we can leave it out RAN chair: we will keep RAN1 decisions but do we need to take any decisions on top of RAN1? Nokia: seems no Qualcomm: not sure that RAN1 covers all points Nokia: agreeing this as way forward is maybe enough conclusion: Summary and recommendations is agreed as way forward, RAN1 has already made progress on some aspects (connection density evaluation and high speed scenrio)		-

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1	Abstract	Report	originalLS	To
113	last approved SID: RP-160671; note: rapporteur of the SI is NTT DOCOMO, see SID revision RP-160900	Deutsche Telekom: supports this proposal ATT: LTE? RAN chair: legacy or REL-15 is a valid question RAN3 chair: covers both RAN2 chair: the note is just looking at core network as SID was not covering LTE so far Samsung: SID is about NR only Nokia: if SA2 is not working on it, it makes little sense to add it here SA2 chair: is RAN looking here at a new connection of LTE to the core network? Telecom Italia: in SA2 SI they call it eLTE SA2: there may be different versions of LTE so terminology is confusing at the moment Nokia: we could address the terminology at the joint session on Wed Fujitsu: RAN and CoreNetwork need to clarify which RAN and which CoreNetwork conclusion: RAN chair: suggests to discuss the wording offline, agreements can then go into RP-161214 finally merged into RP-161214		-
114	new WI for LTE; leading WG: RAN4; only Perf part, no Core part;	MCC: only 1 supporting companies, will only be presented if time allows		-
115				-

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1	Abstract	Report	originalLS	To
116		MCC: will be provided at the end of RAN #72 in order to include results of RAN #72 conclusion: 1 week email discussion after RAN #72 approved: 95%, Sep.16		-
117	RAN TR 38.913 v0.3.1 is provided for agreement	RAN chair: we will approve the TR just in Sep16. and send it from there to ITU-R as it is not needed before conclusion: 1 week email discussion after RAN #72 [72-01]		-
118	last approved SID: RP-152257; rapporteurship update based on Co-Rapporteur request	no revision marks visible, changes: 1.Removal DCM from Rapporteurship 2.Change approval date 3.Update new specification TR38.xxx to TR38.913		-
119	Proposal for modifying and refining the 5G timeplan			-
120	new WI for LTE only; leading WG: RAN1			-
121				-

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1	Abstract	Report	originalLS	To
122		proposals: 1)Vodafone would like more information on the exact rationale on the maximum numbers of antenna elements selected for the Base Station and UE, with a view to understanding whether these limits can be increased for one or more of the frequency ranges. 2)Once the rationale is clear, if the maximum numbers of antenna elements are not deemed feasible to increase, then Vodafone would like it clearly agreed and documented as to why the current limit was selected, for future reference in case there is a change in the industry that removes this limitation. 3)If the maximum number of antenna elements is feasible and useful to increase, we would like that to be covered within the NR system design. RAN1 chair: it maybe useful to have this discussion with the MIMO experts in RAN1 Qualcomm: supports this Telecom Italia: we may have a further ping pong conclusion: RAN chair: we let RAN1 one quarter to solve it otherwise RAN #73 will take a decision		-
123				-
124		conclusion: approved: 75%, Sep.16		-
125		conclusion: approved: Perf. part: 100%, June 16; Perf. part WI is completed		-
126		conclusion: approved: Core: 38%, March 17; Perf.: 38%, March 17		-

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1	Abstract	Report	originalLS	To
127		MCC: wrong RAN #71 completion level in history table should be corrected next time to 60%; conclusion: approved: Core: 50%, March 17; Perf.: 50%, March 17		-
128	last approved WID: RP-160614			-
129	last approved WID: RP-160613			-
130				-
131	new SI for LTE; leading WG: RAN3			-
132		ATT: supports Telstra for this Deutsche Telekom: supports it but is already covered in the WID and we will not downscope existing WIDs		-
133	moved from AI 10.2 to AI 10.1.1	Telstra: supports lean carrier WI		-
134		conclusion: approved: Core: 70%, Sep.16		-
135		RAN1 chair: next quarter RAN1 will have no time on this;		-

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1	Abstract	Report	originalLS	To
136	last approved SID: RP-160677	Orange: we should align with SA1 LS RP-160714 we received RAN2 vice-chair: SID is in line with SA1 scope Orange: LTE D2D framework is misleading, UE to relay communication is intended and not wearable to wearable Telecom Italia: agrees with Orange that we should not link the work to start a system wide design US dep.. of commerce: out-of-coverage is for public safety as well as for commercial Telecom Italia: where in SA1 requirements do we need out-of-coverage addressed for commercial? Nokia: QoS for sidelink needs to be added as well		-
137				-
138				-
139				-
140		During RAN #72 RP-160833 was approved. But after RAN #72 it turned out that R5-162193 is based on the wrong specification (note: R5-162193 can not be implemented). conclusion: All CRs of RP-160833 are approved except R5-162193 which is withdrawn.		-

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1	Abstract	Report	originalLS	To
141				-
142				-
143				-
144				-
145				-
146				-
147				-
148		During RAN #72 RP-160841 was approved. But after RAN #72 it turned out that R5-163078 is based on the wrong specification (note: The CR pack cover lists R5-163203 instead of R5-163078. But this was not submitted. So neither R5-163203 nor R5-163078 can be implemented). conclusion: All CRs of RP-160841 are approved except R5-163078 which is withdrawn.		-

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1	Abstract	Report	originalLS	To
149				-
150				-
151				-
152				-
153				-
154				-
155				-
156				-
157				-

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1	Abstract	Report	originalLS	To
158				-
159				-
160				-
161				-
162				-
163				-
164				-
165				-

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	R	S	T	U
1	Abstract	Report	originalLS	To
166		During RAN #72 RP-160859 was approved. But after RAN #72 it turned out that R5-162987 is based on the wrong specification (note: R5-162987 can not be implemented). conclusion: All CRs of RP-160859 are approved except R5-162987 which is withdrawn.		-
167				-
168	moved from AI 13.5 to AI 13.5.6			-
169				-
170				-
171				-
172				-
173				-

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1	Abstract	Report	originalLS	To
174		MCC: status report pretends that Core and Perf. part are 100% complete but provided CRs do not match to WID RP-160378; target date change; conclusion: approved: Core: 100%, June 16; Perf.: 100%, June 16; Core and Perf. WI completed		-
175		conclusion: approved: Core: 25%, March 17; Perf.: 0%, Sep.17;		-
176				-
177	new WI for LTE only; leading WG: RAN1			-
178				-
179	new WI for LTE; leading WG: RAN1			-
180		Intel: We would like to understand why 6 more TUs in RAN1 (total 11 TUs) are further requested compared to the original total TUs (total 5 TUs); conclusion: approved:Core: 10%, MArch 17; Perf.: 0%, June 17 ?		-

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1	Abstract	Report	originalLS	To
181	last approved WID: RP-160675	NEC: target date in contradiction with status report Huawei: we should not add RAN1 as it is a RAN2 issue, concerned about adding new numerology Intel: supports Huawei Orange: was supposed to be a short WI and new numerology is not feasible with the resources we have ZTE: also concerned about numerology ATT: numerology was already in the WID, we just ask RAN4 to test it out, correct? Ericsson: this is also our understanding, we can rephrase the text if it can be misunderstand Qualcomm: has same view as Ericsson Nokia: change "new numerology" to "new CP length" Huawei: is this affecting RAN4 RF requirements? Intel: 16microsec was not agreed in RAN1 Nokia: we could add "if defined" to RAN4 bullet Ericsson: does not agree to this, there was a task to define it ATT: supports Nokia proposal Huawei: MBSFN needs intercell synchronisation, we should add this Qualcomm: one reason more why we need longer CP without synchronisation Panasonic: synchronisation need depends on cell size conclusion: add "if defined"		-
182		conclusion: approved: 100%, June 16; SI completed		-
183				-
184				-

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1	Abstract	Report	originalLS	To
185	new WI for LTE; leading WG: RAN1			-
186				-
187	new WI for LTE; leading WG: RAN1	Huawei: only for 20MHz? Ericsson: no also for lower bandwidths Intel: relation to ongoing eMBMS WI? is not backward compatible (will create a new carrier type); RAN chair: eMBMS is creating a new carrier type as well, possibility to combine? Ericsson: non-backwards compatible LAA, NB-IOT etc. so the concern is reduced nowadays RAN chair: if this WI is approved so some harmonization with eMBMS could be considered;		-
188	last approved WID: RP-160407			-
189	new WI for LTE; leading WG: RAN4; note: band 65 was introduced in region 1 by REL-13 WI LTE_1980_2170_REG1; no Perf. part; no CA involved	MCC: only 3 supporting companies		-
190	moved from AI 10.1.4 to AI 10.1.5			-
191	Summary of discussion: [RAN#71-06] Energy Efficiency			-

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1	Abstract	Report	originalLS	To
192	Text proposal to define an EE KPI in 38.913	Qualcomm: quantitative system simulations for some scenarios? Orange: quantitative only if we cannot conclude from qualitative evaluation of different solutions Qualcomm: understood but this is not reflected in the pCR Orange: it is in the pCR Huawei: do we need to say DTX? (can be misunderstood) RAN chair: we could have discontinuous transmission Vodafone: for DTX important is that it is sufficiently granular conclusion: DTX will be changed to discontinuous transmission; can further discuss the topic and come back with a revision		-
193	Summary of 3GPP RAN reflector discussion: [RAN#71-07] Air-to-Ground Communications	Qualcomm: not convinced by the 2 scenarios, need to further study this Ericsson: we are interested in both scenarios but is there a need for 2 scenarios Orange: is fine to look just at the commercial aviation use case RAN chair: there are 2 completely different use cases: access use case vs. backhaul use case Vodafone: macro only should have an ffs on how many macro, we can define an ISD Orange: can be done in RAN1 Telstra: this is part of the study		-
194	Text proposal to introduce deployment scenarios for Air-to-Ground Communications ([RAN#71-07]) to TR38.913			-
195	Motivation paper for defining EMF related requirement to populate section 10.4 of TR38.913			-

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1	Abstract	Report	originalLS	To
196	Text proposal for defining EMF (=Electro Magnetic Fields) related requirement to populate section 10.4 of TR38.913	Intel: worried about how much 3GPP can decide on a global base; premature to study this in 3GPP, although it is an important issue Orange: we do not intend to study this RAN chair: did we do something for this in LTE? Telecom Italia: device or also network? Orange: more network as devices will not increase the power; and yes, RAN4 had some discussions; it is as important as other regulatory requirements we have put into our TR RAN chair: we do not have other regulatory requirements in our TR ATT: agrees that there are a huge number of regulations that we have to fulfill but documenting all this may open Pandora's box conclusion: discuss it further, we can come back to it later		-
197	new WI for LTE; leading WG: RAN5; tested: REL-14 WI LTE_MIMO_OTA-Core (taking into account results of REL-13 WI UTRA_LTE_MIMO_OTA-Core in TR 37.977); WI code to be used: LTE_MIMO_OTA-UEConTest	Telecom Italia: a bit strange to start RAN5 work before RAN4 work is completed but if RAN5 is fine with this, ok RAN5 chair: no work will be done on this in the next 2 meeting cycles Vodafone: wants to check back home Telecom Italia: we can come back tomorrow if needed, otherwise it remains postponed		-
198	RAN4 TS 37.171 is provided for 1-step approval			-

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1	Abstract	Report	originalLS	To
199	new WI for LTE & UMTS; leading WG: RAN5; tested Core part: UTRA_LTE_iPos_enh-Core; compared to RAN5 endorsed R5-162794, this version adds the acronym and adds Intel and CMCC as supporting companies.			-

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1	Abstract	Report	originalLS	To
200	AT&T Views on Phase 1 Acceleration of Next Generation Systems	moved from AI 9.3 to AI 9 RAN chair: is a good idea to have a joint SA-RAN session on this Deutsche Telekom: supports to have a joint session and emphasis on new core network; slide 7: left approach excluded ATT: not our preference but not excluded Telecom Italia: so Vodafone looking at EPC core network while ATT is looking for new core network Orange: Vodafone had 3 phases, now you are confusing with no phase 0 ATT: we prefer accelerated phase 1 than phase 0 LG: slide 7 right figure is not supported by dual connectivity (different anchors for C and U plane) which is in contradiction with slide 8 ATT: in eLTE this may be possible Orange: dual connectivity just for eMBB is not a useful approach as other use case may benefit RAN chair: first time that someone is saying that NSA is for ultra-reliable case		-
201		MCC: late submission; conclusion: approved: Core: 25%, March 17; Perf.: 0%, Sep.17		-
202		conclusion: approved: Core: 25%, Dec.16; Perf.: 20%, June 17		-
203		conclusion: approved: Perf.: 100%, June 16; Perf. part WI completed		-

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1	Abstract	Report	originalLS	To
204		moved from AI 9.2.3 to AI 9		-
205		moved from AI 9.2.3 to AI 9		-
206		Proposal 1 Further clarify whether the requirement on mobility interruption time is applicable to both intra-frequency and inter-frequency mobility in intra-NR mobility scenario. Proposal 2 Further clarify the targeted UE for the 0ms mobility interruption time. NTT DOCOMO: requirement was discussed in WGs Qualcomm: last part of the text (with resonable and minimum complexity in the UE) is not needed conclusion: revised to bring a pCR and remove "with resonable and minimum complexity in the UE"		-
207	last approved SID: RP-160671	contents of this revised SID is accepted by RAN but we will see the Telecom Italia input RP-160806 first		-
208		MCC: target date change (SI shifted back from REL-15 to REL-14 in order to not maintain 2 REL in parallel); MCC: at end of REL-14 we could shift the SI easily to REL-15 as for all other SIs		-
209	last approved SID: RP-160563	TR number and name updated		-
210		conclusion: approved: 5%, Dec.16		-

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1	Abstract	Report	originalLS	To
211		MCC: target date change without allocation of time budget Samsung: calibration activity is still needed but will not take meeting time Telecom Italia: TR without conclusion section? Samsung: we are just describing the channel model so we do not need a work item afterwards Finally: Samsung: calibration will be handled by email conclusion: approved: 100%, June16; SI is completed		-
212		Huawei: The TUs are not aligned with the SID proposal and the TU changes are not reflected in tracking mode change in the SR. It is unclear if it is a typo or a wish to update the TUs; CMCC: this is a typo, no TU change conclusion: approved: 25%, Dec.16		-
213	last approved SID: RP-160633; - Updating the SID acronym which is: FS_LTE_context - Updating the unique identifier which is: 710060 - Updating section 10 with the following information: o TR number which TR 36.933 o As the this SI has RAN2 TU, also add RAN2 as 2nd responsible WG	CMCC: TR number and name updated		-
214		conclusion: approved: Perf.: 100%, June 16; Perf. part WI completed		-

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1	Abstract	Report	originalLS	To
215	last approved WID: RP-160340			-
216	new WI for LTE only; leading WG: RAN4; no Core but only Perf. part			-
217				-
218		MCC: target date change (WIs moved back from REL-15 to REL-14); conclusion: approved: Core: 10%, March 17; Perf.: 0%, June 17		-
219	last approved WID: RP-160678	ATT: wrong Tdoc number on cover		-
220		conclusion: approved: Core: 10%, March 17		-
221	last approved WID: RP-160603			-
222		Proposal 1:Introduce new DL UE categories aim for 1.6 Gbps and 1.4 Gbps in Rel-13; Proposal 2:Ask RAN1/2 to provide the corresponding CRs for RAN #73.		-

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1	Abstract	Report	originalLS	To
223	proposal Start NR WI after SI is finished as scheduled, i.e. March 2017, and finish in March 2018	moved from AI 9.2.3 to AI 9 Vodafone: we need to prioritize to have some level quality Deutsche Telekom: supports Orange contribution Orange: ZTE paper would be some middle ground but forward compatibility is important Vodafone: discussion needed when TSG SA can have the core network done TeliaSonera: Core network is probably the bottleneck and accelerating this could be difficult, has some sympathy with Vodafone proposal CHTTL: no need to reschedule Fujitsu: new core available or not is important for phase 1 RAN chair: it seems majority want to see standalone (SA) covered in phase 1 ATT: sees a need to accelerate the schedule by 6 months independent from the NSA or SA consideration; RAN chair: agrees that we discussed a schedule so far without clarifying the details of the releases Qualcomm: industry landscape is changing and we need to adapt to it; it seems for the first phase industry wants to focus on eMBB; Orange: agrees with Samsung that we did not fix the REL-15 schedule on the fly; SA as priority 2 was discussed a longer time and we finally agreed that standalone is part of phase 1. so delaying to Sep/Dec. is not acceptable Telecom Italia: we are rather creating a fragmentation with REL-0 devices; RAN chair: clarifies that we will not decide on the fly KT: accelerating would block non-LTE operator Vodafone: message to the industry needed that 3GPP has a solution Nokia: we are trying to fill an empty schedule with some contents, what we hear more and more is that NSA and SA is needed in the first phase and		-

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1	Abstract	Report	originalLS	To
224	new WI for LTE, UMTS and GERAN?; leading WG: RAN1; new WI on both NB-IoT and enhanced MTC	MCC: proposal is looking at MTC and NB_IOT enhancements		-
225	title updated from "Motivation for new WI on new TDD frame structure" to "Motivation of dynamic subframe configuration for TDD"	MCC: no WID provided		-
226		MCC: target date change; conclusion: approved: Perf.: 90%, Sep.16		-
227		Intel: Unclear why to increase RAN1 TU allocation and no reason described in motivation/explanation; RAN1 chair: email discussion? ZTE: after RAN #72, will remove TU allocation for RAN1 Huawei: discussing with RAN1 chair about RAN2 WI is strange		-
228	last approved WID: RP-160636	NEC: no revision marks		-
229		MCC: target date change; conclusion: approved: 30%, Dec.16		-
230	last approved WID: RP-160600; rapporteur name change	Intel: Perf. part unticked, rapporteur changed		-
231		MCC: status report reports about a not existing Perf. part, clarification and revision required; Intel: confirms that there is no Perf. part conclusion: approved: Core: 25%, March 17		-

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1	Abstract	Report	originalLS	To
232		Qualcomm: text as outcome of email discussion is good enough, more details can be discussed in RAN1 Intel: higher accuracy not just for public safety, there may be verticals that need higher accuracy indoors Deutsche Telekom: also wants to see figures in TR 38.913 conclusion: email discussion until RAN #73 on positioning for NR (rapporteur: Intel)		-
233	moved from AI 10.2.1 to AI 10.1.1; Proposal 1: Dual connectivity based LAA should be supported in Rel-14 LAA WI. Proposal 2: Some enhancements should be considered for DC-based LAA as following: -System information transmission -PUCCH -PRACH -UCI with PUSCH -Partial Subframe Proposal 3: Detail requirement and evaluation methodology of study on NB-IoT/eMTC/V2X services on the unlicensed carrier should be studied.			-

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1	Abstract	Report	originalLS	To
234				-
235		MCC: target date change; conclusion: approved: Perf.: 70%, Sep.16		-
236	moved from AI 12.2 to AI 12.1; new WI for GERAN; leading WG: RAN6; note: GERAN completed CIoT_EC_GSM in REL-13 but this WI was only addressing the Core part, the Perf. part is still needed; WI code to be used: CIoT_EC_GSM-Perf			-
237		conclusion: approved: 100%, June 16; SI is completed		-
238		conclusion: approved: Core: 50%, Sep.16		-
239		conclusion: approved: Core: 100%, June 16; Perf.: 0%, Sep.16		-
240	last approved WID: RP-160656; to align the core completion date to June 2016			-
241		Ericsson: Completion level in RAN4: more appropriate level would be around 20%; Huawei: since we have already completed one part we think 40% is realistic		-

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1	Abstract	Report	originalLS	To
242	last approved WID: RP-160676; change name from SRS Carrier Based Switching for LTE to SRS (sounding reference signal) switching between LTE component carriers. Use WI code to LTE_SRS_switch			-
243				-
244	last approved WID: RP-160540			-
245		suggested: 100%, June 16		-
246		MCC: target date change (WIs moved back from REL-15 to REL-14); conclusion: approved: Core: 5%, March 17; Perf.: 0%, Sep.17		-
247	last approved WID: RP-160548; correction of WI code			-
248		MCC: target date change; conclusion: approved: Perf.: 95%, Sep.16		-

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1	Abstract	Report	originalLS	To
249		Nokia: Clarification needed why the study is proposed to be closed although the TR clearly notes that RAN4 was not able to conclude the work because RAN1 and RAN2 aspects were not looked at; Huawei: RAN4 has already provided input to RAN1/RAN2 conclusion: approved: 100%, June 16; SI is completed ?		-
250	last approved SID: RP-160681; correcting WI code			-
251		conclusion: approved: Core: 40%, March 17; Perf.: 0%, March 17		-
252	last approved WID: RP-160582; to add new proposed band combinations			-
253		conclusion: approved: Core: 40%, March 17; Perf.: 0%, March 17		-
254	last approved WID: RP-160192; to add new proposed band combinations			-
255		conclusion: approved: 80%, Dec.16		-
256		conclusion: approved: 50%, Sep.16		-
257		conclusion: approved: 40%, Dec.16		-

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1	Abstract	Report	originalLS	To
258	new WI for LTE & UMTS; leading WG: RAN1			-
259				-
260		MCC: < > around target should be removed, target date change; conclusion: approved: 15%, March 17		-
261	last approved SID: RP-160665; Clean up justification according to the objective. Align the Chapters for justification and objective.			-

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1	Abstract	Report	originalLS	To
262				-
263	company CR; note: previous revision RP-160222 (CR0354) was postponed by RAN #71			-
264	company CR; note: previous revision RP-160223 (CR0355) was postponed by RAN #71			-
265	RAN3 TR 36.898 is provided for approval	finally the TR is just noted as in contrast to the original plan the SI is planned to continue		-

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1	Abstract	Report	originalLS	To
266	company CR; revision of the CR 1426 agreed in R3-161226 (see RP-161047) to align with the associated CT1 CR (C1-163088, see CP-160312)	MCC: linked to CT1 CR C1-163088 RAN3 chair: the change is not backward compatible		-
267	Revision of the CR 1427 of R3-161227 (note: R3-161227 was not submitted to RAN3 and withdrawn)			-
268		LG: prefers to keep things separate from critical communication Orange: extreme long range is part of eMBB so it is confusing to have it separate Sprint: if it is kept as use case we are fine to remove the extra indication regarding extreme long range RAN chair: confirms Sprint's request		-
269				-
270		Qualcomm: we need to check with email discussion [RAN #71-11] conclusions but fine with this pCR		-
271				-
272		Huawei: on this we have an own contribution in RP-160988 RAN chair: so you have a problem with RP-160965? Huawei: interRSC distance is different RAN chair: will see RP-160988 later		-

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1	Abstract	Report	originalLS	To
273		ATT: why is table 7.9-1 empty? NTT DOCOMO: no input received so far but further inputs to it are still welcome LG: has an input in RP-160796 RAN chair: is it replacing NTT DOCOMO's text? NTT DOCOMO: no is addition and we are fine with it LG: we can remove user requirements are ffs RAN chair: if this is covered in your pCR we can come to it afterwards Orange: eV2X and eHealth agreements from the past are removed and requesting us to come back with this again makes no sense, so we need to decide first whether agreements should be removed RAN chair: was this raised during the email discussion? Orange: yes Qualcomm: other companies were fine to remove RAN chair: discuss offline and come back with the revision in RP-161206 Note: Also RP-160796 was merged into RP-161206.		-
274		KT: is related to coverage		-

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1	Abstract	Report	originalLS	To
275		Orange: worried about battery life time aspect, we made the comment several times, we proposed [15 years] and companies brought it down to 10 years which is current LTE status; we can say ">10 years and 15 years are desirable" instead NTT DOCOMO: is fine to include a sentence from Orange RAN chair: concerns to remove e.g. and note? seems we can remove this Ericsson: note does not harm Orange: if we want to we can add a note at the beginning of the TR, adding a note here is weakening the requirement somehow conclusion: e.g. and note will be removed		-
276		Telecom Italia: TRP is used already widely in 3GPP and we have to avoid to use the same abbreviation for different things RAN chair: we can approve the pCR as it is so far and as soon as the terminology discussion converges we can correct this in another pCR Vodafone: if we meet the "3 times" we do not need to get higher RAN chair: even if you say "at least 3 times" you may end up with 3 Telecom Italia: current figures are already challenging RAN chair: so we leave it as it is		-
277				-
278		MCC: late submission; conclusion: approved: 40%, March 17		-

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1	Abstract	Report	originalLS	To
279	RAN4 TR 36.740 is submitted for 1-step approval (based on R4-164510)	Nokia: TR indicates that RAN4 could not conclude as "not covered in RAN1 specification". Huawei: how can we know the new UE design? Ericsson: suggests LS to RAN1/RAN2 MCC: any RAN1/RAN2 objective in the SI? Huawei: no, was a RAN4 only SI Nokia: no problem to close the SI but you can then not start a WI on this before RAN1/RAN2 have looked at this Finally TR is just noted as SI continues		-
280	RAN4 TR 36.802 is submitted for 1-step approval (based on R4-164540)			-
281	RAN1 TR 25.707 is provided for 1-step approval			-
282	new WI for LTE; leading WG: RAN2; LWIP (= LTE WLAN Radio Level Integration with IPsec Tunnel) was introduced in REL-13 WI LTE_WLAN_radio; this is a proposal for eLWIP			-
283	Motivation for the eLWIP WID proposal.			-
284	Proposed way forward on SI completion			-

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1	Abstract	Report	originalLS	To
285	Response LS to 'LS to 3GPP on the GSMA Mobile IoT initiative to improve time to market of licensed Low Power Use Case solutions operating in licensed spectrum'in RP-151144; moved from AI 7 to AI 10.8.2			GSMA
286		will have a pCR instead in RP-161208		-
287	new WI for LTE; leading WG: RAN2; to study and specify the effective solution on uplink data compression in LTE	MCC: a WI or a SI?		-
288		Qualcomm, ZTE: have problems with the pCR Qualcomm: suggest to add a note Telecom Italia: what is legacy in title is open: only LTE or others? Sprint: operation in unlicensed bands so more than LTE; text to define coexistence needed as well KT: also 2G and 3G should be taken into account RAN chair: so RATs are all legacy RATs ATT: any prioritisation among these RATs? RAN chair: we could have coexistence with LTE and coexistence with other RATs Vodafone: we do not plan to change UMTS and GERAN for coexistence RAN chair: agrees Qualcomm: forward compatibility is needed but this cannot be achieved with other RATs		-

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	R	S	T	U
1	Abstract	Report	originalLS	To
289		Proposal 1: The combinations of KPIs for verticals URLLC use cases in TR.38.913 are covered by the generic URLLC reliability requirement proposed as outcome of email discussion [71-03]. Proposal 2: It is recommended not to harmonize V2X targets for 5G with other 5G vertical requirements. RAN will need to consider SA1 eV2X targets. Proposal 3: Consider the requirements for fixed autonomous reporting to be part of the massive connection density requirements. Proposal 4: Approve the text proposal for section 7.6 “Latency for infrequent small packets”. Proposal 5: Document combinations of KPIs proposed for vertical use cases in an informative annex of TR38.913 Huawei: proposals 1-4 could be acceptable, proposal 5 had not much feedback Qualcomm: any outcome for question 2? Huawei: we do not need to come back on eHealth Qualcomm: ok conclusion: proposals 1-4 are agreed, proposal 5 needs further discussion		-
290				-

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1	Abstract	Report	originalLS	To
291		RAN chair: difference compared to RP-161013? Huawei: requirements are more general RAN chair: are RP-161013 and RP-160984 in conflict? EBU: not really but we should see that we can converge Huawei: we are not looking at broadcast only but also as mobile communication system so we offered a more generic proposal RAN chair: there was no concern from Huawei to have the specific use case from EBU LG: dynamic switch with unicast is not clear; how dynamic should resource allocation be? Huawei: dynamic: scheduling before the TTI for unicast or broadcast Telecom Italia: any KPI input on MBMS planned? Qualcomm: not yet ATT: title of 10.1.1 is unclear Vodafone: coming from ITU-R RAN chair: we may not need this in our TR, non-MBMS related changes can be considered in a future pCR conclusion: offline activity to merge RP-160984 and RP-161013 in a new pCR		-
292		RAN chair: agrees that this is a RAN1 discussion		-
293		Proposal: For performance evaluation of NR, TR38.900 is applicable to 6 - 100 GHz only, and TR 36.873/ITU-R M.2135 is applicable to 0.5-6 GHz.		-

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1	Abstract	Report	originalLS	To
294		moved from AI 9.3 to AI 9		-
295		Qualcomm: not convinced by other options, would like to discuss the traffic model more Huawei: problems with 30km/h and data rates? Qualcomm: yes		-
296	Motivations for New Work Item Proposal on uplink data compression in LTE.			-
297	new WI for UMTS only; leading WG: RAN2; note: There is an open REL-14 SI FS_UTRA_MCe in AI 11.4.1; moved from AI 10.1.2 to AI 11.1			-
298	moved from AI 10.1.2 to AI 11.1			-
299				-
300	new WI for LTE only; leading WG: RAN1; note: There is an ongoing REL-14 WI LTE_eLAA			-
301				-

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1	Abstract	Report	originalLS	To
302	new WI for LTE only; leading WG: RAN1;			-
303				-
304	Improving peak rate, improving network efficiency by supporting multicast, and enhancing positioning could be investigated in Rel-14 eMTC enhancement			-
305	new WI for LTE only; leading WG: RAN1;	Nokia: which conclusions of RAN4 TR suggested to start a RAN1 led WI? legacies cannot use the feature but they are impacted so SI should continue with involving RAN1/RAN2 as well		-
306				-

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	R	S	T	U
1	Abstract	Report	originalLS	To
307		proposals: •RAN1 should downselect among the high level coexistence approaches (long-term basis) between PC5 transport for V2V services and DSRC/IEEE 802.11p services in the same channel identified in R1-166033 and specify the potentially required PC5 changes. •RAN1 work should target the same specification timeline as the PC5-based V2V WID RP-160649 (e.g.., September 2016 or December 2016 in case of extension of the V2V WID). •The specification work may be performed as a standalone WI or by updating the V2V WID RP-160649. Qualcomm: V2V was supposed to finished in the next quarter CATT: would not like to include this in existing V2V WI Ericsson: if we do not get active then our V2V may not be allowed by regulators		-
308	new WI for LTE only; leading WG: RAN3;			-
309				-
310				-
311	new SI for LTE only; leading WG: RAN4;	RAN chair: This WI is not to be prioritized with other items. This follows from the RAN4 WF (during the LAA WI perf work) to document LAA multimode tests in the TR, for which the SI is now being created. Remember also that LAA multi-node tests are important to address the external requests received (including from administration entities) and to which we have responded – See LSs in AI 10.8.12		-

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1	Abstract	Report	originalLS	To
312		compare LSin RP-160713 under AI 10.8.12		-
313	moved from 10.8.2 to 10.1.1			-
314				-
315	moved from AI 10.1.2 to AI 10.6.12			-
316	new WI for LTE only; leading WG: RAN1;	Qualcomm: strange that after downscoping last time that proposals come back		-
317				-
318		moved from AI 9.3 to AI 9		-
319	In response to RP-160727; moved from AI 7 to AI 10.8.12	Broadcom: RAN should take some actions, involve RAN1 as well RAN chair: work on coexistence tests is ongoing can be clarified Broadcom: also coexistence for low level should be addressed Huawei: did not go into such a level of detail as not sure how much he is involved in the technical details Qualcomm: we could also refer to the RAN1 LS which has more technical data RAN chair: yes, RAN1 LS was indicating coexistence for low level Ericsson: there is also the SI description of the work we are starting		Mayor of New York City

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1	Abstract	Report	originalLS	To
320	pCR is based on last agreed TR 38.913 v0.3.0			-
321	RAN4 TR 36.858 is provided for 1-step approval			-
322	Important considérations on the 5G-NR schedule; proposes to keep the current 3GPP schedule unchanged	Qualcomm: proposal 4 is in agreement with Vodafone proposal; yes, we co-signed the NGMN paper in 2015 but times are changing Orange: Vodafone proposal is accelerating NSA but it is delaying the SA case Qualcomm: early freeze of some features in bullet 4 is agreeable and the Vodafone proposal is the only proposal we have on the table for this		-
323		conclusion: approved: 30%, Sep.16		-
324	RAN3 TR 37.805 is provided for information			-
325		Ericsson: Unclear what the intention is with respect to changed TU allocation in the WID update and no update in the SR with respect to that;		-
326	last approved WID: RP-160680			-
327	new WI for LTE; leading WG: RAN1			-
328				-
329		conclusion: approved: Core: 80%, Sep.16		-

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	R	S	T	U
1	Abstract	Report	originalLS	To
330		Proposal: TSG RAN to agree NB-IoT as the baseline solution for mMTC in NR Study ATT: agrees with Mediatek KT: supports this proposal as well Nokia: yes, agrees that this makes sense, so we support it ZTE: decision should be left to WGs Deutsche Telekom: supports the proposal Orange: LTE features can be a candidate for 2020, so limiting it now is not useful Sony: supports Orange view LG: we should reuse NB-IOT as much as possible but limiting it is not needed, eMTC may be used as well Qualcomm: proposal is not clear, if performance baseline to compare is meant then we do not need this as you always take the best available to compare Vodafone: 5G IoT would need really a big improvement to make it working Intel: wearables etc. may need a new design so limiting us already is not needed RAN chair: using NB-IOT as a benchmark for performance evaluation, would anyone have a concern about this? LG, Qualcomm: and eMTC should be included		-
331	RAN2 TR 36.881 is provided for 1-step approval			-
332		Huawei: new UL gaps feature spans multiple WG but it is only open for the RAN4 performance part; conclusion:		-

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1	Abstract	Report	originalLS	To
333	RAN4 TS 37.144 is provided for approval	Note: TS 37.144 integrated TS 25.144 in REL-12. Nokia: some pCRs were missed in this version so we need to revise it		-
334	last approved WID: RP-151917	RP-161027 is revised to remove LTE objectives and to add a sentence to explain why title and WI code still include LTE although finally no work on LTE is covered in this REL-13 WI. Only UMTS aspects are addressed.		-
335		MCC: unclear why GSM is covered in TS, whether LTE is completed and why TS has such a generic title; related RAN5 WI LTE_UTRA_TRP_TRS-UEConTest impacted; Blackberry: To discuss the proposal in RP-161058 addressing the ambiguity regarding the reported requirement for UE TRP & TRS UMTS FDD BHH and which is captured in RP-161026 (TS 37.144); Vodafone: To discuss what happens to the important LTE requirements objective that has not been completed;		-
336	new WI for GERAN; leading WG: RAN6; no Perf. part			-
337		conclusion: approved: Core: 15%, March 17; Perf.: 15%, March 17		-
338		Ericsson: GERAN support is already included in SA2 stage 2 Huawei: REL-14 BB to REL-13 feature, no problem? MCC: it could be a REL-14 WI but it is clear that the GERAN functionality will not work in REL-13 (REL-13 is already frozen)		-
339				-

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	R	S	T	U
1	Abstract	Report	originalLS	To
340	new WI for GERAN; leading WG: RAN6	Qualcomm: 2 main area: more thorough assessment with other technologies and increased requirements for timing advance; so should be rather a SI Huawei: security issue as well Nokia: gains from the proposal are significant and the topic is important for operators, so supports approval of the WI Huawei: there is a question mark in the discussion paper whether existing technologies can not achieve the same performance Orange: we discussed in the offline discussion for NB-IOT a similar WI where Huawei indicated that performance can be considered in WI; agrees we need to start some work in SA3 on security; no blocking point to specify the feature Qualcomm: for NB-IOT we talk about existing technologies while here we talk about a new technology Telecom Italia (chair): it seems this is controversial, so further offline discussion is needed Ericsson: we want to standardize the feature in REL-14, so no problem with a short study phase if we keep the feature in REL-14 Qualcomm: we agree to have a short study phase Telecom Italia (chair): then please come back with a revision of RP-161033		-
341		Qualcomm suggestion via RAN reflector: enhancements to positioning in EC-GSM-IoT should start with a study first		-
342	new WI for LTE; leading WG: RAN2; note: we had LTE_CA_enh in REL-11 and LTE_CA_enh_b5C in REL-13	MCC: title is a bit too generic; Telstra: has an input as well Huawei: RAN2 solutions behind are unclear LG: gain at reducing SCell addition is small		-

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	R	S	T	U
1	Abstract	Report	originalLS	To
343				-
344	Discussion on Rel-14 enhancements for NB-IoT and eMTC Proposal 1: Continue enhancements both for NB-IoT and eMTC in Rel14 Proposal 2: Ensure practical work coordination between Rel-14 eMTC and NB-IoT enhancement topics and avoid having simultaneous but different parallel sessions for these two topics Proposal 3: Separate objectives for NB-IoT and eMTC enhancements Proposal 4. Agree focused and prioritized objectives for NB-IoT and eMTC enhancements in Rel-14.	Proposal 1: Continue enhancements both for NB-IoT and eMTC in Rel14 Proposal 2: Ensure practical work coordination between Rel-14 eMTC and NB-IoT enhancement topics and avoid having simultaneous but different parallel sessions for these two topics Proposal 3: Separate objectives for NB-IoT and eMTC enhancements Proposal 4. Agree focused and prioritized objectives for NB-IoT and eMTC enhancements in Rel-14.		-
345				-
346				-
347				-

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1	Abstract	Report	originalLS	To
348				-
349				-
350				-
351	new WI for LTE only; leading WG: RAN1			-
352				-
353				-
354		MCC: company CR in RP-160959 to replace R3-161226 of RP-161047 conclusion: all CRs approved except R3-161226 which is revised in RP-160959		-
355				-
356				-
357				-

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	R	S	T	U
1	Abstract	Report	originalLS	To
358	new WI for LTE; leading WG: RAN4;	Nokia: has some more supporting companies Dish: band defined for 150MHz although licence is just for the first 100MHz, what it the intention behind? Qualcomm: we cover the whole band Dish: intention to use LTE in unlicensed portion? Nokia: it is not really unlicensed Telecom Italia: seems a band that encompasses also some unlicensed spectrum? Dish: band is 150MHz, but licensee can only operate in the first 100MHz, rest could only be used unlicensed; then coexistence should be considered as well RAN chair: if we need additional coexistence analysis compared to what we have already, we could add this Orange: there is some sharing mechanism involved in this band that we are not using in LAA RAN chair: intention is to consider LTE and LAA in this band Orange: thinks we need a SI first to understand how this works RAN chair: this band is only applicable in the US, we have to make this clear; we can also add that if further coexistence studies are needed, we will do them Telecom Italia: should we split into 2 bands, one licensed and one unlicensed? RAN chair: there are already 2 bands Ericsson: this will be defined as just one band Telecom Italia: LTE usage in unlicensed spectrum is not defined in 3GPP Qualcomm: it is not that any user can switch on a device in this band Orange: LTE standalone unlicensed is so far not defined in 3GPP RAN chair: we can make it clear that this proposal is not for LTE standalone		-

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	R	S	T	U
1	Abstract	Report	originalLS	To
359	last approved WID: RP-160615	NEC: no revision marks Nokia: revision marks were shown in R4-164695 MCC: next time please also use rev marks in RAN submission		-
360		conclusion: approved: Core: 40%, March 17; Perf.: 0%, March 17		-
361	new SI for GERAN only; leading WG: RAN6; note: This is an ongoing GERAN SI (WI code DOMIMO; 75% complete, target: Sep.16) that is now transferred into RAN; WI code to be used for the RAN6 SI: FS_DOMIMO	Telecom Italia: 2 supporting companies are missing Nokia: Ericsson and Sierra Wireless support as well		-
362				-
363	RP-160508 was received at RAN #71; this reply LS was approved via the RAN email reflector 30.05.03.06.16			ITU-R WP5D
364		MCC: target date change; conclusion: approved: Perf.: 50%, Dec.16		-

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	R	S	T	U
1	Abstract	Report	originalLS	To
365	clarification to agreement captured in R4-164969	Nokia: has the same understanding as Blackberry Vodafone: could this not be handled in RAN4? Balckberry: as we need to update the TS anyway, it is better to clarify this here Vodafone: Blackberry has a technical change Blackberry: if Vodafone considers it as a change, then it seems they have not the same understanding Nokia: people can change back with their colleagues back home Blackberry: if TS applies only to single carrier case, we can approve the TS Telecom Italia: it is not clear whether TS applies to CA case Nokia: we can task RAN4 to clarify in a future CR the Note 4 in the TR Blackberry: we can only accept the TS if it is clear that the requirement is for single carrier Nokia: we can clarify that we assume this is for single carrier case Vodafone: RAN4 can still clarify whether applicable for CA Nokia: note says already that it is not for CA conclusion: RAN4 is tasked to clarify Note 4		-
366				-
367	new SI for LTE; leading WG: RAN1; evaluations of standardized Rel-13 NB-IoT in RAN1.			-
368				-
369				-

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	R	S	T	U
1	Abstract	Report	originalLS	To
370				-
371				-
372		MCC: it turned out during RAN #72 that R1-163501 (included in RP-161065) was actually revised in R1-163945. conclusion: all CRs of RP-161065 are approved except R1-163501; R1-163501 (note: this is actually rev - despite the error on the CR cover) is withdrawn see instead revision R1-163945 in RP-161284.		-
373				-
374				-
375				-
376				-
377				-
378	new WI for LTE; leading WG: RAN5; tested Core part: LTE_eMDT2-Core			-
379				-
380				-

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	R	S	T	U
1	Abstract	Report	originalLS	To
381	moved from AI 14.2.1 to AI 10.9	MCC: RAN2 leaves decision about these REL-12/REL-13 cat.A CRs up to RAN as this is related to UE categories conclusion: rejected after RP-161114 discussion		-
382				-
383				-
384				-
385				-
386				-

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	R	S	T	U
1	Abstract	Report	originalLS	To
387		MCC: company CR in RP-161155 to replace R2-164574 RAN2 chair: offline discussion ongoing about company CR so suggests to reject R2-164574 and let RAN2 solve it next time conclusion: all CRs approved except R2-164574 which is revised in RP-161155 Note: It was detected after RAN #72 that R2-164341 CR5858r2 to 25.331 was approved twice: in RP-161080 (R2-164341 should not be in this CRpack) and RP-161083.		-
388	moved from AI 14.2.6 to AI 10.8.2	MCC: company inputs to R2-164399 (in RP-161163/RP-161195), R2-164515 (in RP-161091) and R2-164573 (in RP-161211) Huawei: R2-164573: In SIB2, the multiBandInfoList should be optional instead of mandatory, company CR provided in RP-161211 to revise R2-164573. conclusion: all CRs approved except 3 CRs which are revised : R2-164399 revised in RP-161195 R2-164515 revised in RP-161091 R2-164573 revised in RP-161211		-
389				-

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1	Abstract	Report	originalLS	To
390				-
391	new WI for LTE; leading WG: RAN4	MCC: less than 4 supporting companies, will only be presented if time allows		-
392		MCC: late Tdoc request; conclusion: approved: 8%, Dec.16		-
393		MCC: late Tdoc request; conclusion: approved: Core: 30%, March 17; Perf.: 30%, March 17		-
394	last approved WID: RP-160616			-
395		MCC: late Tdoc request, target date change; conclusion: approved: 5%, March 17		-
396		MCC: late Tdoc request; conclusion: approved: Perf.: 85%, Sep.16		-
397	RAN TR 38.912 is provided for agreement	RAN chair: at the end the TR will be the basis for the high-level description for ITU-R Qualcomm: suggests email discussion about the skeleton Ericsson: skeleton for WGs is different RAN chair: WG TRs can have more and other contents Qualcomm/Ericsson: want to discuss the skeleton first conclusion: email discussion on RAN reflector until RAN #73 in order to agree the skeleton there (rapporteur: NTT DOCOMO)		-

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1	Abstract	Report	originalLS	To
398	company CR to replace RAN2 agreed CR R2-164515 in RP-161081 to align the CR with results of the RAN2 email discussion [94#07]	presented by Mediatek		-
399	RAN1 TR 38.900 is provided for information	revised in RP-161108 since 2 different versions 1.0.0 exist: RP-161092 and R1-165970		-
400		MCC: late Tdoc request; conclusion: approved: 100%, June 16; WI is completed		-
401		MCC: late Tdoc request; conclusion: approved: 75%, Dec.16		-
402		MCC: late Tdoc request; conclusion: approved: 30%, Dec.16		-
403		Intel: does not consider this as a compromise proposal Intel: any other companies who have comments/concerns? Huawei: we would be fine with cat.9 and 10 but remove cat.6 and cat.7 Intel: this would be a compromise way forward we could accept Qualcomm: does not consider this as compromise RAN chair: who would object the Huawei proposal? Qualcomm: is objecting RAN chair: discuss further until Thu		-
404				-
405	new WI for LTE; leading WG: RAN1	MCC: only 1 supporting company		-
406	new WI for LTE; leading WG: RAN1	not enough supporting companies		-

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	R	S	T	U
1	Abstract	Report	originalLS	To
407		result of email discussion [RAN#71-08] US Dep.of Com.: supports the pCR Qualcomm: a number of companies on the Tdoc are not 3GPP members, scenarios could be discussed further		-
408		MCC: late Tdoc request, target date change; conclusion: approved: 70%, Dec.16		-
409		MCC: late Tdoc request; conclusion: approved: 30%, Dec.16		-
410	related to RP-161051			-
411				-
412	new SI for LTE only; leading WG: RAN3;	China Telekom: more supporting companies added RAN2 chair: what is the RAN2 impact? identify potential changes of the architecture NTT DOCOMO: our concern from last meeting was not resolved Ericsson: agrees with NTT DOCOMO, will require also RAN2 time		-

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	R	S	T	U
1	Abstract	Report	originalLS	To
413	RAN action requested	no LS answer to NGMN		-
414	company CR; replacing agreed 36.101 2DL Big CR R4-163859 due to typo in 5+46 total bandwidth			-
415	RAN1 TR 38.900 is provided for 1-step approval	RAN chair: intention is to approve the TR with a note but we will see after offline discussion		-
416				-
417				IEEE 802 LMSC
418	swapped with RP-161075			-
419	company CR; RAN2 email discussion did not manage to conclude in time about R2-164560			-
420	related to company CR RP-161112			RAN3, CT1

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	R	S	T	U
1	Abstract	Report	originalLS	To
421	related to RAN2 technically endorsed CRs in CRpack RP-161074; moved from AI 14.2.1 to AI 10.9	Qualcomm: would be difficult to accept this change, from which REL onwards? Sequans: REL-12 Qualcomm: then we have strong concern as companies have already plans for this frozen REL Qualcomm: when 64QAM was introduced this would have been an option but other decisions were made Samsung: we need to be careful with new UE cat. introduction as it has UE design impacts Huawei: supports Qualcomm & Samsung, if we change something there should be real market demand and then this should be only considered for the latest REL Qualcomm: yes, it is optional but it still cause problems ATT: which operators are interested in this proposal? Sequans: they are not represented in 3GPP RAN chair: looking at the received comments we cannot go forward with this proposal conclusion: proposal is not accepted		-
422		MCC: late submission, target date change; conclusion: approved: 100%, June 16; SI completed		-
423				-
424		MCC: company CR in RP-161107 to replace R4-163859 conclusion: all CRs of RP-161117 are approved except R4-163859 which is revised in RP-161107		-
425				-
426				-

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	R	S	T	U
1	Abstract	Report	originalLS	To
427		MCC: included CR uses WI codes of former REL-14 WIs that were stopped since they are now covered in basket WIs; note: these 3 WI codes were never used for REL-13 WIs but the CR is for REL-13; It turned out that by accident during REL-13 text for these WIs (that were later shifted to REL-14) was introduced in the REL-13 TR via pCRs. This was just spotted now and the text is now removed using these old WI codes by a CR.		-
428				-
429				-
430				-
431				-
432				-
433		MCC: It turned out that R4-164086 is superseded by R4-164548 (both in RP-161126), therefore R4-164086 cannot be approved. Also R4-164457 replaces R4-164116. all CRs approved apart from R4-164086, R4-164116 which are rejected/not pursued		-
434				-
435				-
436				-

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1	Abstract	Report	originalLS	To
437				-
438		MCC: CR pack includes 2 older versions of CRs which should not be approved: R4-162773 was revised in R4-163433; R4-163036 was replaced by R4-163288; conclusion: all CRs of RP-161131 are approved except R4-162773 and R4-163036 which are not pursued		-
439				-
440				-
441				-
442				-
443				-
444				-
445				-
446				-
447				-

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1	Abstract	Report	originalLS	To
448				-

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1	Abstract	Report	originalLS	To
449				-
450		Deutsche Telekom: study unlicensed would study all NR use cases? RAN chair: guess so, at least not bound to eMBB Huawei: expanding to another parallel session for unlicensed? Telecom Italia: what sort of coexistence studies are intended? CableLabs: same as for LAA but with the new technology Orange: which use cases require the use of unlicensed spectrum? Broadcom: coexistence with incumbant technologies should be studied as well		-
451				-
452	related to RP-160803, RP-160807, RP-160909			-

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1	Abstract	Report	originalLS	To
453	RAN1 TR 25.707 is provided for 1-step approval	has editorial corrections		-
454		LG: L2 cannot look into the packages MCC: no Core/Perf part? Is this a SI?		-
455				-
456		ATT: why rush to start and then completion in REL-15? Qualcomm: scope is large Mediatek: agrees that we do not need to rush Sprint: concerned about backward compatibility Huawei: TDD with new subframe type not included Orange: we should get this capability in REL-14, argument that we need to wait for NR may be (mis)used to block LTE enhancements Qualcomm: this topic has high implementation impact		-
457		Huawei: dual connectivity does not need PUCCH and PRACH? Orange: we need to finish existing WI first Telecom Italia, CMCC: agree as well Nokia: RAN1 has finished UL work (some RAN1 work will be taken over in next WI) and RAN4 work on existing work will anyway go on Orange: we can wait with this		-
458				-
459				-
460		MCC: late request;		-

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1	Abstract	Report	originalLS	To
461	proposal: NSA-NR (non-standalone) by Dec.17; SA-NR (standalone NR) by Sep. 18; full NR by Dec.19; shift REL-15 freeze to Sep.18	Samsung: motivation on page 2 not clear; are press announcements relevant to modify our schedule? Vodafone: fragmentation of our industry has to be avoided and we need to make sure that we can cover these aspects in 3GPP ZTE: ASN.1 for NSA frozen at same time as SA? Vodafone: a freeze of NSA before the end of REL-15 could be possible Orange: which press announcement is meant? press announcements from operators who signed this proposal? also schedule is not clear Xinwei: We share the views with Samsung and Orange that we should stick to the original plan and consider NSA and SA at the same time. The observation is that forward compatibility is one of the most complicated issues in NR design due to phased introduction. The sub-phased approach proposed by VDF is making the issues even worse. We have to consider forward compatibility of sub-phase 1 and sub-phase 2 besides phase 1 and phase 2. Thus the original schedule is better. Orange: to "Departure from LTE design should be clearly justified": we never agreed that LTE should be the starting point OPPO: 2 ASN.1 freezes in same REL was the answer but do we also consider this then also for other LTE features? Fujitsu: slide 5 first bullet: evaluate all concepts: really ALL or sufficient concepts? Etisalat: different countries have different deployment plans LG: slide 4 timeline: what do the 2 black lines mean? Vodafone: NSA-NR: no later than this, SA-NR: is the target Samsung: what will RAN1 have to do after NSR for SA? Vodafone: NSR requirements is a subset of SA, whether they are equal		-

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1	Abstract	Report	originalLS	To
462	company CR replacing RAN2 agreed CR R2-164574 of RP-161080 capturing an issue that was unsolved in RAN2 email discussion [94#15]			-
463	related to company CR RP-161155	Nokia: please coordinate this RAN2, RAN3, SA2 activity		RAN2, RAN3, SA2
464	related to company CR RP-161155 and LS out RP-161156			-

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1	Abstract	Report	originalLS	To
465	3GPP ITU-R ad hoc discussed RT-160005 but did not manage to conclude at that time; after further offline discussion this Tdoc is proposed to RAN; it has to pass SA and PCG afterwards before going to ITU-R	Telecom Italia: mistake on the LS: should be sent to WP1A Telecom Italia: one pending comment from Huawei table Huawei: Ericsson proposed 30km/h but we propose 100km/h for NB-IOT and EC-GSM Nokia: depending on the deployment that can cause some issues ZTE: agrees with Nokia that NB-IOT may not be suited for this speed Huawei: assuming 40km cell so no handover Nokia: we need to have some reservation, maybe 30km/h and above depending on deployment scenario Telecom Italia: we could indicate that handover is not supported Deutsche Telekom: for GERAN it was studied that there is no error up to 130km/h and assumes NB-IOT would be in same range Telecom Italia: deadline is Sep. so we could decide later by email or tomorrow Nokia: "handover is not supported" would be fine Nokia: voice support for eMTC not indicated? Ericsson: technology supports it but whether also at the end of the cell is the question Huawei: for mode a? Nokia: yes ATT: not yet sure that eMTC is supporting voice in normal mode, so let's leave it open, we could still amend this at a later stage Nokia: if we support 1Mbit/s and we have problems with 12kbit/s for AMR then we have a problem Ericsson: at the cell edge it still not clear Telecom Italia: interested parties please check until Thu and we can then		-

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1	Abstract	Report	originalLS	To
466		MCC: late request, target date change;		-
467	new WI for LTE only; leading WG: RAN4; note: REL-13 WI LTE_UTRA_TRP_TRS-Core is not yet completed, see AI 10.8.1 (RP-161160 assumes that UMTS part is completed in REL-13 but LTE part has to be done in a new WI in REL-14)	Deutsche Telekom: would support this if band 8 is supported as well duplicated version of RP-161160 exist		-
468		MCC: late request, target date change; conclusion: approved: Core: 10%, March 17		-
469		MCC: late request, Perf part has to complete 3-6 months after Core part; Ericsson comment on previous version solved?; conclusion: approved: Core: 40%, Dec.16; Perf.: 0%, Sep.17		-
470	proposal to update the UE_ID to use 12 bits instead of 10 bits for NB-IoT (i.e. revision of RAN2 agreed CR to 36.304 R2-164399 in RP-161081)			-

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1	Abstract	Report	originalLS	To
471		MCC: late submission		-
472	no RAN action requested	no LS answer to RAN2	R2-164575	-
473	no explicit RAN action requested	presented by Orange ATT: SI will continue as it is, so this is not a problem Orange: We also believe the SI should continue as it is. But maybe the EC concerns comes from the fact that this was not clear from the acceleration proposals on the table. This is why we need to look at them first. no LS answer to EC	EC_LS_160609	-
474	RAN action requested	no LS answer to NGMN	NGMN_LS_160610	-

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475		MCC: late submission		-

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1	Abstract	Report	originalLS	To
476		ATT: "entry point" is unclear Qualcomm: work is contribution driven, we meant industrial players Samsung: when should this unlicensed for NR be specified? Qualcomm: looking for a SI at the moment Huawei: does not agree with the use cases Ericsson: factory automation may be a use case, they do not have spectrum and they may not like to need an operator to connect their robots TeliaSonera: opens up new spectrum, yes not the same quality but still we should not neglect it Deutsche Telekom: customers are looking for licensed spectrum for good reasons, also worried about the additional workload, so this can be a future extension RAN chair: so do we then close the door for new use cases Orange: reliability is a key point for customers, so agrees with Deutsche Telekom; unlicensed is good for offload but we have already license-assisted included ATT: supports to have unlicensed standalone and is optimistic that it can be made reliable Sprint: we need the flexibility of spectrum Qualcomm: does not agree that such a new SI would create redundant technology RAN chair: who is against the proposal? Huawei: does not agree with the proposal to be added to the NR SI RAN chair: who else? Orange, KT, Telecom Italia Orange: they are not convinced regarding the motivation of the proposal		-
477		1 week email discussion [RAN#72-02]		-

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1	Abstract	Report	originalLS	To
478		Telecom Italia: as we do touch any ITU-R specification we can send it directly to ITU-R		ITU-R WP5A, ITU-R WP5C
479				-
480				-
481				-
482	title modified compared to RP-160917	not enough supported companies		-
483	title modified compared to RP-161039			-
484	related to RP-160795	RAN chair: related to existing WI?		-
485		can be discussed in offline discussion as well		ITU-R WP5D

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1	Abstract	Report	originalLS	To
486		Proposal 1: The channel model SI is closed and the TR 38.900 is approved with the following additions: •The Rural Macro model is specified to be valid for 0.5-7 GHz simulations •The following text is added: “The new channel model is not consistent with earlier channel models for <6 GHz such as the 3D SCM model (3GPP TR 36.873) or IMT-Advanced (ITU-R M.2135). Comparisons across frequency bands or dual-band evaluations (e.g. co-sited low band and high-band) using different models are discouraged.” Proposal 2: Send a LS to ITU-R WP5D informing of the model work in TR 38.900 and also outlining the limitations of the model when it comes to supporting < 6 GHz Ericsson: new channel model is not compatible with previous channel models Huawei: we have problems to declare models valid below 6GHz RAN chair: Could we agree on the "The Rural Macro model is specified to be valid for 0.5-7GHz."? Huawei: there was not statement like this from RAN1 Telecom Italia: suggests to go with Huawei proposal to use old models below 6GHz in order to be able to compare with LTE Ericsson: if comparing old with new model you would get up to 7dB difference that's why we should not mix; but we could use new model also for LTE Samsung: no company is objecting the approval of the TR and we could then still discuss this aspect Orange: we could give RAN1 more time to decide Huawei: we do not think there is a gap in the channel models, we could use ITU-R for rural macro, the only thing that is missing is 3D; does not think that more time in RAN1 will help		-

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1	Abstract	Report	originalLS	To
487	related to LSin RP-160739	RAN chair: if you want to do this on RAN level, then we can really not have a technical discussion of simulations; so discuss offline how such an evaluation can be done		-
488		Ericsson: does not see a need for this study RAN chair: is a RAN3 only proposal? Nokia: yes Ericsson: non consensus that Comp shows high gain so not needed to start another SI for it Telefonica: we are interested in this SI Deutsche Telekom, ATT: support the SI as well Sprint: dynamic version of Comp may have gain Telecom Italia: supports the SI Huawei: not clear about the motivation of the SI Ericsson: what is the relation to the existing SI? Nokia: no overlap at all RAN chair: based on Comp already available		-
489				-
490				-
491				-
492		offline discussion on Tue planned (rapporteur: Vodafone) on IOT & eMTC REL-14 enhancements: Telecom Italia: one or 2 WIs is the question to be solved Orange: preference for 1 WI Deutsche Telekom: UE categories should be sufficiently apart		-
493				-

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1	Abstract	Report	originalLS	To
494				-
495				-
496				-

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1	Abstract	Report	originalLS	To
497	proposal: Maintain the current NR schedule, i.e., Phase 1 in June 2018 and Phase 2 in Dec 2019	Nokia: slide 3: all devices have to support SA and NSA operation? Ericsson: slide 5: SA but no dual-connectivity? RAN chair: keeping NSA and SA together is Samsung's intention, not to accelerate just one Samsung: dual connectivity is not so simple so requires more work, we do not have fragmentation of NSA and SA; Huawei: assumes 3 parts: one common for SA and NSA, one part specific for NSA and one part specific for SA Qualcomm: Samsung pretends it is easier to accelerate SA but 20 companies (who signed the Vodafone proposal) do not agree to this, so what is the technical justification for this claim RAN chair: designing SA first and dual connectivity is maybe not a good approach Ericsson: SA and NSA are not as similar as Samsung pretends, focus on specific areas (like licensed only) will help us to accelerate ATT: dual connnectivity was based on eLTE in our proposal LG: expects bigger impacts on L1, so cannot understand the table from Samsung Nokia: what core netwrok connectivity was assumed in Samsung's table? Samsung: there are multiple options		-
498				-

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1	Abstract	Report	originalLS	To
499		SA chair: SA will handle the SA aspects on Wed after lunch but not in the joint session Samsung: keeping SA and NSA with current schedule is missing RAN chair: can revise the slides it is just a snapshot of our discussions Samsung: also printing error on bullet 2 in 2nd slide Huawei: joint session is useful but we could still make some decisions in RAN Orange: we should use the octogon to represent the use cases as we have more use cases Ericsson: we should not remove eMBB, this was proposed by 20 companies Orange: but we need then to clarify what is behind the term eMBB		-
500				-
501				-
502	related to RP-161163; company CR; revision of RAN2 agreed CR to 36.304 R2-164399 in RP-161081			-
503		Ericsson: we studied 2 solutions in the SI and should focus on them Nokia: existing 2 solutions are RAN3 only, other 2 solutions would have RAN2 and RAN4 impact and need feasibility analysis RAN chair: discuss with RAN4 chair as RAN4 has no time budget left		-

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1	Abstract	Report	originalLS	To
504		Huawei: RP-161197 has just more supporters Broadcom: WFA is also conducting tests is there an intention to harmonize? RAN chair: this is up to RAN4 MCC: As REL-13 is frozen already we do normally not have any further REL-13 SIs. But this will be a REL-13 SI as it is related to testing REL-13 functionality.		-
505				-
506	no explicit RAN action requested;	Telecom Italia: we need to take some actions based on this RAN chair: can anyone prepare a pCR for this NEC: can work with no LS answer to SA3	S3-160833	-
507	last approved WID: RP-160378			-
508	RAN4 TR is provided for 1-step approval	includes Edithelp editorial changes Etisalat: FDD SDL is unclear MCC: SDL band 69 is just DL only and it is paired here with band 3 in this WI Dish: topic is well described in TR		-
509	last approved WID: RP-160616			-
510	last approved WID: RP-151917	LTE part is removed RAN4 chair: There is a proposal to continue LTE work in RP-161160 Telecom Italia: before we close this WI we would like to know what will happen with the LTE part		-

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1	Abstract	Report	originalLS	To
511		Qualcomm, Ericsson: we will have to define a new band for it		-
512				-
513				-
514				-
515	pCR drafted based on LSin RP-161199			-

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1	Abstract	Report	originalLS	To
516		Huawei: without TUs Orange: after each WI we will do a SI now? Vodafone: this activity is for NB-IOT, if another one is needed for eMTC this is a different issue Huawei: does not create a precedence case Nokia: not mandating to bring results rather asking to look for results Huawei: same section titles were used for GERAN evaluation before Sequans: if done, then it should be also done for eMTC Deutsche Telekom: agrees with Vodafone that collecting documents that were brought up after the SI is intended but we would not like to open up the activity to solutions that were never studied Huawei: no need to do simulations as final design was then later used SierraWireless: does not believe that this SI costs 0 TUs Ericsson: would not like to do this work in summer Fujitsu: results of existing documents may not produce enough contents for the TR Samsung: agrees with Fujitsu, simulation assumptions may not be consistent RAN chair: it seems we cannot approve the proposal, you can try to convince others and come back		-
517				-
518	company CR; replacing RAN2 agreed CR R2-164573 in RP-161081 to correct an ASN.1 mistake			-
519				-

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1	Abstract	Report	originalLS	To
520				-
521		will include agreements from RP-160806 as well (if any) merging NTT DOCOMO and Telecom Italia changes		-
522				-
523				-

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	R	S	T	U
1	Abstract	Report	originalLS	To
524	related to RP-160915, RP-161007, RP-161097	proposals: 1. Introduce new DL UE categories for 1.2 Gbps and 1.6 Gbps in Rel-13 2. The new DL UE categories for 1.2 Gbps and 1.6 Gbps are paired with the existing UL UE category 3, 5, 7 and 13. 3. Ask RAN1/2 provide the corresponding CRs for RAN#73. 4. Come back on the introduction of new UL UE categories e.g. 225Mbps for Rel-13 in RAN#73 Mediatek: necessary component (4x4MIMO) not yet completed NTT DOCOMO: we introduce UE cat. beforehand so not a problem Intel: has same concern as Mediatek, before introducing new cat. we would like to understand the market demand so the feature should be there before NTT DOCOMO: bit rate is possible Huawei: deciding this at the last moment of the REL will cause problems for chipset vendors, so we better do this before Intel: we need higher data rates but we would like to check the proposal further RAN chair: discuss it further offline until Thu so that we can decide then conclusion: no consensus regarding the proposals, topic will be further discussed in WGs, i.e. RAN1/RAN2 may discuss this topic and bring technically endorsed CRs to RAN #73		-
525	now reduced to a SI			-
526		approved unseen Note: After RAN #72, it was detected that the Tdoc number inside of RP-161219 is misspelled.		-

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1	Abstract	Report	originalLS	To
527				-
528				-
529	RAN1 TR 38.900 is provided for 1-step approval	revised to correct just the presentation cover, TR remains unchanged		-
530		regarding new TU request and downscoping		-
531				-
532	RAN4 TS 37.144 is provided for approval	Sprint: requests not to approve the TS and to get back to RAN4 as topic may have impact on US RAN4 chair: we keep the TS only open to solve Blackberry's comment conclusion: finally TS was approved, RAN4 will solve the Note 4 issue by RAN #73		-
533				GSMA
534				Mayor of New York City
535				IEEE 802 LMSC

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1	Abstract	Report	originalLS	To
536		NEC: for all specs Dec. 2014 Huawei: will be corrected to Dec.2016		-
537				-
538		MCC: late submission Huawei: 4 solutions identified during study, 2 are RAN3 only and 2 need RAN1, RAN4 feedback that's why the SI should continued RAN4 chair: trigger work from RAN3 or RAN RAN1 chair: no time in RAN1 Huawei: is just an LS answer RAN1 chair: so 0 TU for it in next quarter but we will answer the LS RAN4 chair: RAN4 will have to do some simulations, so 0.5TU are needed and we cannot guarantee it as RAN4 is overloaded Huawei: way forward on RAN4 new WIs is in progress conclusion: approved: 90%, Dec. 16; request for RAN4 0.5TU in next quarter has still to be discussed in RAN4 WI prioritization process RAN #72 did not come back to the time budgets of the SI. Following the comments from RAN1 and RAN4 chair no time budget for this SI is considered in Q3/2016. The Q4/2016 time budget requests were taken over in [ ] into the RAN Excel TU list however they have to be discussed again at RAN #73 as there was no consensus on them so far.		-
539		has RAN4 impact		-
540				RAN1, RAN4

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1	Abstract	Report	originalLS	To
541		Ericsson: only timeline is open Samsung: we need to check further Qualcomm: 1 quarter should be added Panasonic: Q4 is more realistic Huawei: does not think extension is needed LG: processing time reduction discussed in RAN1 but no conclusion so we better remove it from the WID Nokia: RAN1 has to discuss transport block size anyway RAN1 chair: suggests to come back later Samsung: down selection not included, we should downselect now to reduce RAN1 workload Huawei: we have already reduced the scope Qualcomm: CSI latency reduction needed in first bullet		-
542		MCC: late submission; target date change; conclusion: approved: Perf.: 50%, Dec.16		-
543		MCC: late submission conclusion: approved: Perf.: 90%, Sep.16		-
544	last approved WID RP-150427			-
545				-

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1	Abstract	Report	originalLS	To
546	result of offline discussions	slide 2: Nokia: Deutsche Telekom is working on an input RP-161249 for the joint RAN-SA session on Wed evening listing all architecture options/scenarios; Sprint: not happy to define now SA and NSA on the fly RAN3 chair: we need pictures to describe standalone and non-standalone Qualcomm: remove high reliability from REL-15 scope Nokia: there are 2 camps, some want it and some do not want it ZTE, Orange, Telecom Italia: we should keep the high reliability case Qualcomm: asking for show of hands who really wants high reliability Orange: we could then also replace eMBB by high data, as then we remove all use case families and just have the KPIs Nokia: is low error rate acceptable? Huawei: 10^-5 or high reliability Nokia: but how low is then low latency?		-
547	last approved WID: RP-160675; counter proposal to RP-160874; note: rapporteur of this WI is Ericsson	Qualcomm: shows revision marks on top of RP-160874 a. clarifying that we do not target indoor antennas, b. going to connected mode is not a good idea, so this is a clarification Huawei: we started already evaluation in RAN1 see RP-161297 instead		-

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	R	S	T	U
1	Abstract	Report	originalLS	To
548		proposal: It is difficult to complete all of the objectives within Rel-14. Scope reduction is needed to ensure the completion of the most important objective(s) in this WI. - Remove objectives d,e,f, which are for study - keep either objective a or objective b&c: If objective a is down scoped, complete the work of objective a in 5G new RAT - Include the following objective into eMBMS WI: “to specify inter-cell time synchronization requirement for MBSFN operation [RAN4]” Ericsson: proposal is not in line with the offline discussion Huawei: Does eMBMS and the ongoing eMBMS WI assume inter-cell synchronization? Ericsson: As for MBMS of Rel-9, also FeMBMS requires synchronized reception at the UE, such that the majority of signals are received within CP Huawei: 1TU in the following next RAN1 meetings is not enough to achieve the objectives Ericsson: TUs was based on the assumption that everybody is committed to this WI but we wasted some time with controversial discussions that did not help to progress so that's why we need to increase the TUs		-

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	R	S	T	U
1	Abstract	Report	originalLS	To
549		Orange: document used 22.101, proponents have different use cases in mind, to be checked whether new SA1 requirements are needed; suggest email discussion Etisalat: supports Orange Deutsche Telekom, Ericsson: support to include the pCR Huawei: not limiting to broadcast, requirement should not point into a solution Qualcomm: supports the pCR, 100% DL is broadcast Huawei: 100% downlink allows different solutions Telstra and Nokia support the pCR RAN chair: approval of the TR in Sep. conclusion: email discussion until RAN #72 to approve a pCR for this		-
550				-
551				-
552		conclusion: way forward is endorsed RAN chair: will consider these as high prio WIs to be improved but will see on Thu Huawei: we also need to be sure that new RAN2 topics have no impact on RAN1 Telecom Italia: only eLAA has a TU change? RAN1 chair: yes, but UL cap. enh. 1TU was agreed this morning		-

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	R	S	T	U
1	Abstract	Report	originalLS	To
553		Ericsson: reduced to 1TU? Huawei: there is Core part work involved here; there was an LS requesting work in other WGs Ericsson: considers this as essential correction Huawei: does not agree with this as it is more complex Intel: RAN1 and RAN2 were already in agreement on the way forward Ericsson: only signalling is missing that is planned next time RAN1 chair: majority was happy with the way forward in RAN1 and also Huawei accepted this finally Ericsson: RAN4 sent LS to RAN1/RAN2 (see RP-160737) Huawei: this is not essential correction but an optimisation and it will require a lot of time conclusion: approved: Perf.: 70%, Sep.16		-
554				-
555	company CR; revising company CR RP-161211			-
556				-
557		conclusion: approved: Core: 60%, Sep.16; Perf.: 0%, March 17 Note: It turned out after RAN #72 that there was an error in RP-161250: The choice of LBT priority class is up to eNB." was no agreement of RAN1 #84bis email discussion [84b-06].		-
558		Intel also supports the Way Forward		-
559	forwarding LSin R1-166033 = RP-160741 to ETSI committees	Huawei: had some comments so need further discussion		ETSI TC ERM TG 37, ETSI TC ITS

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	R	S	T	U
1	Abstract	Report	originalLS	To
560		treatment of the document in RAN: Ericsson: we have not yet seen RP-161249 so difficult to agree the document Nokia: first 4 slides represent the endorsed RAN view on NR content and schedule, last slide is a sort of agenda for the joint session conclusion: RAN endorsed this document RAN view on NR schedule and phases: discussion of RP-161253 of joint RAN-SA session on Wed 18:30-20:00: SA1 chair: slide 2 focus eMBB with a bit of high reliability, ext. coverage? RAN chair: not yet discussed in detail SA2 chair: slide 3: forward compatibility: standalone - nonstandalone? RAN chair: yes, but also to other use cases Nokia: timeplan slide 4: adding CT and SA timeplan by the end of the week would be useful SA chair: would like to check SA view first, so far we have not yet decided about a REL change RAN chair: forward compatibility check-point needs to be added as well RAN chair: suggested that Deutsche Telekom is presenting RP-161266		-
561				-

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	R	S	T	U
1	Abstract	Report	originalLS	To
562		proposal: The inter-cell synchronization should be addressed for MBMS/eMBMS, and minute in RAN Alt1: Add an objective to the eMBMS WID Alt2: Task RAN4 to address this issue, by TEI or a separate WID for synchronization requirements linked to the WID for eMBMS RAN chair: We could task RAN4 to address this issue under TEI. Huawei: should be related to the WI RAN chair: but you said this is a general issue from REL-9 onwards Qualcomm: we would need TUs for RAN4 for it CMCC: how can first objective be achieved without the synchronisation conclusion: RAN4 is tasked to discuss the inter-cell synchronisation for MBMS/eMBMS under TEI for REL-14		-
563	related to RP-160795	ATT: slide background (2): performs better without UL feedback but then including UL feedback? is not a right comparison Ericsson: topic was already downscoped a lot RAN chair: discuss further if no consensus then RP-161273 will be the baseline		-
564				-
565		will be sent to ITU-R directly		ITU-R WP5A, ITU-R WP5C
566				-

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	R	S	T	U
1	Abstract	Report	originalLS	To
567		Ericsson: 3 months study phase added		-
568				-
569		Ericsson: how will the LS be handled in RAN4 if no time units are approved Orange: wants to keep the LS approved		RAN1, RAN4
570				-
571				-
572		rapporteur change: Qualcomm => Huawei; Qualcomm: TUs are updated in status report and not WID Ericsson: define L2 architecture should say study L2 architecture compared to existing L2 architecture Ericsson: if RAN1 is not looking at this SI then we need to remove RAN1 objectives RAN chair: we will review this at next meeting Ericsson: we should not approve a RAN1 scope now and next time we discuss the time budget Orange: scoping and downscoping will happen with all WIs/SIs Ericsson: we said before that we will not do downscoping of existing WIs/SIs conclusion: "define" will be replaced by "evaluate", no RAN1 treatment in next quarter, scope and TUs will be rediscussed at RAN #73		-

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	R	S	T	U
1	Abstract	Report	originalLS	To
573		discussion of RP-161253 of joint RAN-SA session on Wed 18:30-20:00: SA chair: scenario 6 and 8 is not interesting; scenario 3 and 7 is made more complicated here than needed, SA is interested in scenarios 2, 3 and 7 Mediatek: 3a, 6, 8 and 8a could disappear RAN chair: suggests to remove 3a, 6, 8 and 8a ZTE: reason for removing 3a unclear? KT: would like to keep 3a as well RAN3 chair: we could remove the no/no from slide 10: i.e. 6/8/8a Intel: 3 and 7 are the interesting one now, we need to distinguish specification work and UE related work RAN chair: it may be difficult to take final decisions now RAN3 chair: we need to analyse further, understand company positions and then start downselecting RAN2 chair: agrees with Verizon that 7 is a subset Huawei: also migration need to be taken into account, early drop of NSA may reduce core network impact SA chair: NR anchored in EPC was of no interest for operators in SA Samsung: NSA operation should not have impact on EPC, architecture 3 will cause fragmentation of the market Nokia: we have to make sure that option 7 is happening in time Vodafone: if new CN is not in time then we would need a backup plan but yes at the moment we we should not look at option 6 and 8 NTT DOCOMO: we are still in SI phase so do we need to downscope already during this phase? LG: scenarion 5 & 7 UE connected to LTE: can these scenarios really happen? SA chair: LTE is not LTE REL-13/REL-14 but rather an eLTE LG: so eLTE will combine interfaces? Deutsche Telekom: is an open question		-

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	R	S	T	U
1	Abstract	Report	originalLS	To
574				-
575	identical with SP-160459, RP-161268 was intended for the joint RAN-SA session on Wed 18:30-20:00			-
576		resulting document from joint RAN-SA session on Wed 18:30-20:00 conclusion: endorsed by the joint RAN-SA session		-
577	company CR; RAN2 email discussion did not manage to conclude in time about R2-164560			-
578				-
579		RAN2 vice-chair (Interdigital): target date not realistic in RAN2, suggests to include this in the time budget discussion of RAN2 RAN chair: is a revised WID Samsung: no TUs? MCC: TUs are indicated in status report		-
580				-
581				-
582		Sequans: what's the difference compared to our proposal RAN chair: Intel has a number of supporters conclusion: proposal is agreed 2 versions of RP-161275 exist		-
583	related to RP-160981			-
584	related to RP-160982			-

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1	Abstract	Report	originalLS	To
585	related to RP-160988	Nokia: remove option a.		-
586		NTT DOCOMO: WID for TRP/TRS is not yet stable conclusion: endorsed the intention approve the 2 WIs on slide 2		-
587		Qualcomm: WIDs are not stable, concerned with the approach that we start with the assumption that no new WIs/SIs will be agreed and suddenly also WIs that were not discussed before are included; wants to split one topic into 2 (Enhanced CRS and SU-MIMO) Nokia: share Qualcomm concern Intel: VoLTE WID was available RAN chair: there is no easy way to approve something now conclusion: The 3 items will be considered with priority at RAN #73 but they will not be approved at RAN #72		-
588				-
589	company CR; RAN1 email discussion did not conclude in time; former revision R1-166046			-
590	company CR; RAN1 email discussion did not conclude in time; former revision R1-166047			-
591	R1-163945			-
592	no RAN action requested	no LS answer to ITU-R WP1A	ITU-R WP1A/TEMP/26	-

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	R	S	T	U
1	Abstract	Report	originalLS	To
593		Huawei: RAN1 added under d. but RAN1 has sent LS to RAN2 that RAN2 should do this work RAN chair: can remove RAN1 here Qualcomm: idle mode support should be included, we cannot leave this to WG discussion Ericsson: supports Qualcomm, idle mode support for MBSFN should be considered Huawei: is already discussed so leave decision to RAN2 Qualcomm: is a requirement to be added to WID Huawei: is open to have technical discussion about it in RAN2 Deutsche Telekom, ATT, US Dep. of Com., Fujitsu, Nokia: support to have idle mode support in the WID LG: for which objective do we want to add the idle mode support Huawei: we are not excluding the idle mode support but if we write it here in the objective then it will have impact on the new design so this needs technical discussion in RAN2 conclusion: operation in idle mode is a requirement, a note will be added		-
594		Huawei: has still concern about TU request, would like to have TU request of last meeting Qualcomm: Huawei requested study of longer CP Huawei: this was there since the beginning and has nothing to do with RAN1 but RAN4 conclusion: keep former RAN1 TU allocation		-

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1	Abstract	Report	originalLS	To
595		CMCC: June ad hoc is challenging for Chinese delegates Qualcomm: should some ad hocs also cover LTE topics? RAN1 peak here may become a peak next year RAN chair: we address this problem when it happens Orange: we should go for 8 meetings RAN2 chair: we intended ad hocs to focus on new RAT T-Mobile: having so many people travelling for 3 days only is not so efficient, then we better have 1 week meetings RAN4 chair: the intention is to focus on NR RAN3 chair: agrees with RAN4 chair, for meetings not in [ ] they should be put in meeting calendar RAN1 chair: Jan and June meeting could be fixed LG: all ad hoc meetings or 2? RAN1 chair: 3 Sprint: 5 days preferred RAN2 chair: travelling impact on delegates considered RAN3 chair: compromise would be 4 days RAN4 chair: intention is to focus on NR Deutsche Telekom: would prefer to decide dates for whole 2017 Nokia: agenda of the ad hocs can be left to chairman's discretion ATT: funding aspect has to be taken into account Sprint: Wed to Wed meetings will conclusion: will discuss offline and WG chairs will take their decisions which will then be put in the 3GPP meeting calendar		-
596	related to RP-161023	Sequans: wording should still be improved RAN chair: adding "& eMTC"? Etisalat: use case could be different conclusion: email discussion until RAN #73 (rapporteur: Mediatek)		-

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	R	S	T	U
1	Abstract	Report	originalLS	To
597		[ ] to RAN1 TU allocation will be added in RP-161305		-
598		RAN2 chair: no RAN2 led WIs/SIs will be approved this time		-
599				-
600		was supposed to be a revision of RP-161272 which was then withdrawn		-
601		conclusion: approved: Core: 25%, Dec.16 RAN1 will have an email discussion after RAN #72 to respond to RAN2 LS R2-163135 without further RAN1 TU allocation.		-
602				-
603		conclusion: approved: Core: 10%, March 17 ; Perf.: 0%, Sep.17		-
604				-
605				-
606		Huawei: The completion in Q3 2017 does not preclude the start of the new WI at RAN#75 on shorter latency in TDD with new subframe type recommended by RAN1. The common design of the two WIs should rely on the first WI.		-
607				-
608	RAN1 TR 38.900 is provided for 1-step approval	NEC: 2 versions v2.0.0? Samsung: TR in RP-161301 and RP-161222 is identical just cover is updated		-
609				-
610				-
611		conclusion: approved: 10%, March 17		-

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	R	S	T	U
1	Abstract	Report	originalLS	To
612		conclusion: approved: 2%, March 17 Note: It was detected after RAN #72 that the [ ] were forgotten in RP-161305 for the RAN1 TU allocations. RAN chair clarified via RAN reflector: "RAN1 work is on hold as there are no approved allocations. Tentative allocations were provided by the proponents in square brackets [in RP-161303 instead of RP-161305] and will be discussed at the next meeting [RAN #73]."		-
613		RAN chair: can come back next meeting		-
614	related to RP-161275			RAN1, RAN2
615		NTT DOCOMO: can come back at RAN #73 conclusion: email discussion until next RAN #73 on open issues (rapporteur NTT DOCOMO)		-
616		Nokia: you do not plan to make changes back in REL-8 Huawei: correct, is not intended Qualcomm: before "same band", now "same channel"; is not ok ZTE: also thinks this it is not acceptable Huawei: it was channel since the beginning, just the previous version had "band" and it was changed back to "channel" Qualcomm: co-channel can be FDD or TDD conclusion: email discussion until RAN #73 to agree the pCR		-
617		ZTE: box 7: REL-15 timeline? RAN chair: yes		-
618				RAN2, RAN3, SA2
619				RAN3, CT1

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	R	S	T	U
1	Abstract	Report	originalLS	To
620				-
621				ITU-R WP5D
622				ETSI TC ERM TG 37, ETSI TC ITS
623	new WI for LTE; leading WG: RAN3	RAN chair: no RAN2 impact? Nokia: no impact in first quarter RAN chair: no this has to be taken with all other RAN2 items		-
624				-
625		CMCC: would like to add TDD issues in the WI Sequans: it seems people are in favour of have 2 WIs, one for NB-IOT and one for eMTC instead of having one common WI CMCC: last bullet should be removed (may market fragmentation) KDDI: we would also like to add TDD support for NB-IOT Deutsche Telekom: does not agree with CMCC to remove the last bullet Etisalat: is supporting the WI LG: supports the WI RAN4 chair: 2 more meetings needed for this Huawei: TDDD is an interesting topic for NB-IOT, so suggests to approve the WI and try next time to add TDD CMCC: still strong concerns on last bullet Vodafone: TDD part had no input but we had a lot of offline discussions to converge to this proposal conclusion: TDD part can be discussed at RAN #73 to be included in this WI		-

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	R	S	T	U
1	Abstract	Report	originalLS	To
626		LG: some reservation Sequans: concerns about bullet "Larger max. PDSCH ...", was not agreed Orange: could be addressed in WGs Sequans: want to remove the examples Intel, Sony: wants to keep the bullet as it is Ericsson: removing example does not change the objective Orange: fine with replacing "efficiently" by "enhanced" Huawei: wants to approve it together NB-IOT WI Telecom Italia: want to check the change proposed by Orange conclusion: revised to "efficiently" by "enhanced		-
627				SA
628				-
629	related to RP-160741			ETSI TC ERM TG 37, ETSI TC ITS
630				-
631				-
632		decided to continue SI conclusion: approved: 50%, June 17; SI is on hold until Dec.16 TUs requested after Dec.16 have to be rediscussed in Dec.16 as there was no consensus on them so far.		-

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	R	S	T	U
1	Abstract	Report	originalLS	To
633		Proposal: - For a Rel-12 UE supporting all UE radio access capability parameters for both Cat.9/10 and Cat.13, the UE can report both Cat.9/10 and Cat.13 - The eNB may understand that the UE supports all UE radio access capability parameters of both Cat.9/10 and Cat.13. Therefore either category can be applied individually (but not a combination of parameters of different categories). - Send the LS to RAN1 and RAN2 to prepare the relevant CRs to be submitted to RAN#73. conclusion: The proposed way forward is agreed.		-
634				RAN1, RAN2
635				-
636		conclusion: approved: 50%, Dec.16; will be moved to REL-14		-
637		note: LS has a mistake in the LS title: The reply is to WP1A and not WP5D; LS has to pass SA and PCG review before it will go to: ITU-R WP1A, cc: ITU-R WP5A, ITU-R WP5C, ITU-R WP5D		SA
638				-
639		conclusion: approved: Core: 35%, Dec.16; Perf.: 0%, March 17		-
640		Note: source is wrong on LS, correct source: RAN		RAN1

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	R	S	T	U
1	Abstract	Report	originalLS	To
641	RAN TR 38.913 v0.4.0 is provided for agreement and was developed in email discussion [RAN#72-01] after RAN #72.			-
642				-

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
2	-			5/26/2016 23:45	5/26/2016 23:50		Joern Krause	12578	6950	Yes
3	-			5/26/2016 23:45	6/16/2016 9:07		Joern Krause	12578	6960	Yes
4	-			5/26/2016 23:45	6/12/2016 9:14		Joern Krause	12578	6970	Yes
5	-			5/26/2016 23:45	6/11/2016 8:51		Joern Krause	12578	6980	Yes
6	-			5/26/2016 23:45	6/11/2016 8:51		Joern Krause	12578	6990	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
7	-			5/26/2016 23:45	6/11/2016 8:51		Joern Krause	12578	7000	Yes
8	-			5/26/2016 23:45	6/11/2016 22:13		Joern Krause	12578	7010	Yes
9	-			5/26/2016 23:45	6/11/2016 8:51		Joern Krause	12578	7020	Yes
10	-			5/26/2016 23:45	6/13/2016 1:39		Joern Krause	12578	7030	Yes
11	-			5/26/2016 23:45	6/12/2016 12:05		Joern Krause	12578	7040	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
12	-			5/26/2016 23:45	6/11/2016 8:51		Joern Krause	12578	7050	Yes
13	-			5/26/2016 23:45	6/13/2016 11:47		Joern Krause	12578	7060	Yes
14	-			5/26/2016 23:45	6/9/2016 17:38		Joern Krause	12578	7070	Yes
15	-			5/26/2016 23:45	6/11/2016 8:51		Joern Krause	12578	7080	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
16	-			5/26/2016 23:45	6/11/2016 8:51		Joern Krause	12578	7090	Yes
17	-			5/26/2016 23:45	6/8/2016 8:34		Joern Krause	12578	7100	Yes
18	-			5/26/2016 23:45	6/16/2016 0:58		Joern Krause	12578	7120	Yes
19	-			5/26/2016 23:45	6/14/2016 0:38		Joern Krause	12578	7110	Yes
20	-			5/26/2016 23:45	5/26/2016 23:50		Joern Krause	12578	7300	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
21	-			5/26/2016 23:45	6/4/2016 19:47		Joern Krause	12578	7140	Yes
22	-			5/26/2016 23:45	5/26/2016 23:50		Joern Krause	12578	7150	Yes
23	-			5/26/2016 23:45	5/26/2016 23:50		Joern Krause	12578	7160	Yes
24	-			5/26/2016 23:45	5/26/2016 23:50		Joern Krause	12578	7170	Yes
25	-			5/26/2016 23:45	5/26/2016 23:50		Joern Krause	12578	7180	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
26	-			5/26/2016 23:45	5/26/2016 23:50		Joern Krause	12578	7190	Yes
27	-			5/26/2016 23:45	5/26/2016 23:50		Joern Krause	12578	7200	Yes
28	-			5/26/2016 23:45	5/26/2016 23:50		Joern Krause	12578	7210	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
29	-			5/26/2016 23:45	5/26/2016 23:50		Joern Krause	12578	7220	Yes
30	-			5/26/2016 23:45	5/26/2016 23:50		Joern Krause	12578	7230	Yes
31	-			5/26/2016 23:45	5/26/2016 23:50		Joern Krause	12578	7130	Yes
32	-			5/26/2016 23:45	5/26/2016 23:50		Joern Krause	12578	7250	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
33	-			5/26/2016 23:45	5/26/2016 23:50		Joern Krause	12578	7270	Yes
34	-		RP-161227	5/26/2016 23:45	5/26/2016 23:50		Joern Krause	12578	7350	Yes
35	-			5/26/2016 23:45	5/26/2016 23:50		Joern Krause	12578	7280	Yes
36	-		RP-161110	5/26/2016 23:45	5/26/2016 23:50		Joern Krause	12578	7420	Yes
37	-			5/26/2016 23:45	5/26/2016 23:50		Joern Krause	12578	7320	Yes
38	-			5/26/2016 23:45	5/26/2016 23:50		Joern Krause	12578	7310	Yes
39	-			5/26/2016 23:45	6/4/2016 19:47		Joern Krause	12578	7370	Yes
40	-			5/26/2016 23:45	6/4/2016 19:47		Joern Krause	12578	7330	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
41	-			5/26/2016 23:45	6/4/2016 19:47		Joern Krause	12578	7340	Yes
42	-			5/26/2016 23:45	6/4/2016 19:47		Joern Krause	12578	7240	Yes
43	-			5/26/2016 23:45	6/4/2016 19:47		Joern Krause	12578	7260	Yes
44	-			5/26/2016 23:45	6/4/2016 19:47		Joern Krause	12578	7440	Yes
45	-			5/26/2016 23:45	6/4/2016 19:47		Joern Krause	12578	7380	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
46	-			5/26/2016 23:45	6/4/2016 19:47		Joern Krause	12578	7390	Yes
47	-			5/26/2016 23:45	6/4/2016 19:47		Joern Krause	12578	7400	Yes
48	-			5/26/2016 23:45	6/4/2016 19:47		Joern Krause	12578	7410	Yes

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1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
49	-			5/26/2016 23:45	6/4/2016 19:47		Joern Krause	12578	7290	Yes
50	-			5/26/2016 23:45	6/4/2016 19:47		Joern Krause	12578	7430	Yes
51	-			5/26/2016 23:45	6/7/2016 1:35		Joern Krause	12578	9780	Yes
52	-			5/30/2016 6:22	6/7/2016 1:35		Carolyn Taylor	19440	7450	Yes
53	-			5/30/2016 6:24	6/7/2016 1:35		Carolyn Taylor	19440	7460	Yes
54	-			5/30/2016 6:59	6/8/2016 8:34		Giovanni Romano	10718	8150	Yes
55	-			5/31/2016 6:31	6/8/2016 8:34		Suhwan Lim	46654	112300	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
56	-			5/31/2016 6:38	6/8/2016 8:34		Suhwan Lim	46654	7480	Yes
57	-			5/31/2016 8:22	6/8/2016 8:34		Chungwoo Hwang	55545	9822	Yes
58	-			5/31/2016 9:05	6/7/2016 1:35		Sen Xu	56667	7520	Yes
59	-			5/31/2016 9:07	6/7/2016 1:35		Sen Xu	56667	7510	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
60	-			5/31/2016 13:53	6/8/2016 8:34		Leif Mattisson	10602	7530	Yes
61	-			5/31/2016 13:53	6/8/2016 8:34		Leif Mattisson	10602	7540	Yes
62	-			5/31/2016 14:05	6/5/2016 1:30		Sidd Chenumolu	60261	8106	Yes
63	-			5/31/2016 14:07	6/8/2016 8:34		Leif Mattisson	10602	7560	Yes

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1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
64	-			5/31/2016 14:07	6/8/2016 8:34		Leif Mattisson	10602	7570	Yes
65	-			5/31/2016 14:07	6/8/2016 8:34		Leif Mattisson	10602	7580	Yes
66	-			5/31/2016 14:07	6/8/2016 8:34		Leif Mattisson	10602	7590	Yes
67	-			5/31/2016 14:07	6/8/2016 8:34		Leif Mattisson	10602	7600	Yes
68	-			5/31/2016 14:07	6/8/2016 8:34		Leif Mattisson	10602	7610	Yes
69	-			5/31/2016 14:07	6/8/2016 8:34		Leif Mattisson	10602	7620	Yes
70	-			5/31/2016 14:07	6/8/2016 8:34		Leif Mattisson	10602	7630	Yes
71	-			5/31/2016 14:07	6/8/2016 8:34		Leif Mattisson	10602	7640	Yes
72	-			5/31/2016 14:07	6/8/2016 8:34		Leif Mattisson	10602	7650	Yes
73	-			6/1/2016 2:16	6/8/2016 8:34		Shan Yang	48340	7670	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
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74	-			6/1/2016 2:33	6/8/2016 8:34		Xiaoming She	46899	7660	Yes
75	-			6/1/2016 2:36	6/8/2016 8:34		Xiaoming She	46899	7700	Yes
76	-			6/1/2016 2:37	6/8/2016 8:34		Xiaoming She	46899	7710	Yes
77	-			6/1/2016 5:50	6/8/2016 8:34		Dong Zhao	46407	8070	Yes
78	-			6/1/2016 5:56	6/8/2016 8:34		Dong Zhao	46407	8080	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
79	-			6/1/2016 9:30	6/8/2016 8:34		Giovanni Romano	10718	9830	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
80	-			6/1/2016 9:33	6/8/2016 8:34		Giovanni Romano	10718	8880	Yes
81	-			6/1/2016 11:45	6/1/2016 12:05		Jussi Kuusisto	39729	7750	Yes
82	-			6/1/2016 11:56	6/1/2016 12:05		Jussi Kuusisto	39729	7740	Yes
83	-			6/1/2016 14:05	6/8/2016 8:34		Man Hung Ng	24612	7760	Yes
84	-			6/1/2016 14:07	6/8/2016 8:34		Jerome Vogedes	26101	7770	Yes
85	-			6/1/2016 14:10	6/8/2016 8:34		Man Hung Ng	24612	7780	Yes

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1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
86	-			6/1/2016 14:11	6/8/2016 8:34		Jerome Vogedes	26101	7790	Yes
87	-			6/1/2016 15:00	6/8/2016 8:34		Christopher Callender	58614	10040	Yes
88	-			6/1/2016 15:03	6/8/2016 8:34		Christopher Callender	58614	10030	Yes
89	-			6/1/2016 15:16	6/5/2016 23:18		John Kim	42708	7820	Yes
90	-			6/1/2016 15:20	6/5/2016 23:18		John Kim	42708	7830	Yes
91	-			6/1/2016 16:43	6/8/2016 8:34		John Humbert	40476	7840	Yes
92	-			6/1/2016 16:56	6/8/2016 8:34		John Humbert	40476	7850	Yes
93	-			6/1/2016 17:17	6/8/2016 8:34		John Humbert	40476	7860	Yes
94	-			6/1/2016 23:37	6/1/2016 23:44		Edgar Fernandes	9202	7870	Yes

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95	-			6/1/2016 23:52	6/8/2016 8:34		Kenichi Kihara	41094	8830	Yes
96	-			6/2/2016 1:50	6/8/2016 8:34		Hanbyul Seo	57341	7890	Yes
97	-			6/2/2016 1:50	6/8/2016 8:34		Hanbyul Seo	57341	7900	Yes
98	-			6/2/2016 1:50	6/8/2016 8:34		Hanbyul Seo	57341	7910	Yes
99	-			6/2/2016 1:50	6/8/2016 8:34		Hanbyul Seo	57341	7920	Yes
100	-			6/2/2016 1:50	6/8/2016 8:34		Hanbyul Seo	57341	7930	Yes
101	-			6/2/2016 1:50	6/8/2016 8:34		Hanbyul Seo	57341	8390	Yes
102	-			6/2/2016 1:50	6/8/2016 8:34		Hanbyul Seo	57341	8400	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
103	-			6/2/2016 1:50	6/8/2016 8:34		Hanbyul Seo	57341	8990	Yes
104	-			6/2/2016 1:50	6/8/2016 8:34		Hanbyul Seo	57341	7970	Yes
105	-			6/2/2016 2:10	6/8/2016 8:34		Yue Ma	60300	9800	Yes
106	-			6/2/2016 2:13	6/8/2016 8:34		Casaccia Lorenzo	53206	7380	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
107	-			6/2/2016 2:24	6/8/2016 8:34		Yue Ma	60300	9801	Yes
108	-			6/2/2016 2:31			Zhongda Du	38890	8010	Yes
109	-			6/2/2016 3:21	6/8/2016 8:34		Maomao Chen	46060	8020	Yes
110	-			6/2/2016 3:34	6/8/2016 8:34		Maomao Chen	46060	7810	Yes
111	-			6/2/2016 3:43	6/8/2016 8:34		Maomao Chen	46060	7800	Yes
112	-			6/2/2016 7:23	6/8/2016 8:34		Karri Ranta-aho	64268	8850	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
113	-			6/2/2016 7:34	6/8/2016 8:34		Andrea Buldorini	13329	7370	Yes
114	-			6/2/2016 8:42	6/8/2016 8:34		Jin-yup Hwang	47026	114500	Yes
115	-			6/2/2016 8:44	6/8/2016 8:34		Jin-yup Hwang	47026	10840	Yes

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1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
116	-			6/2/2016 10:17	6/28/2016 16:17		Xiaodong Xu	39125	7550	Yes
117	-			6/2/2016 10:32	6/28/2016 16:16		Xiaodong Xu	39125	7551	Yes
118	-			6/2/2016 10:41	6/8/2016 8:34		Xiaodong Xu	39125	7720	Yes
119	-			6/2/2016 11:02	6/8/2016 8:34		Tim Frost	28235	8121	Yes
120	-			6/2/2016 11:05	6/8/2016 8:34		Tim Frost	28235	7950	Yes
121	-			6/2/2016 11:09			Tim Frost	28235	10130	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
122	-			6/2/2016 11:12	6/9/2016 17:38		Tim Frost	28235	8890	Yes
123	-			6/2/2016 11:34			Tim Frost	28235	109201	Yes
124	-			6/2/2016 12:15	6/8/2016 8:34		Zhuo Chen	59196	8170	Yes
125	-			6/2/2016 12:35	6/8/2016 8:34		Klaus Hugl	35443	8180	Yes
126	-			6/2/2016 13:09	6/8/2016 8:34		Per Lindell	56972	8190	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
127	-			6/2/2016 13:09	6/8/2016 8:34		Per Lindell	56972	8200	Yes
128	-			6/2/2016 13:09	6/8/2016 8:34		Per Lindell	56972	112000	Yes
129	-			6/2/2016 13:09	6/8/2016 8:34		Per Lindell	56972	111600	Yes
130	-			6/2/2016 13:34	6/8/2016 8:34		Hakon Helmers	42396	10010	Yes
131	-			6/2/2016 13:34	6/8/2016 8:34		Hakon Helmers	42396	10020	Yes
132	-			6/2/2016 14:05	6/8/2016 8:34		Nick Tompson	62882	8730	Yes
133	-			6/2/2016 14:40	6/8/2016 8:34		Nick Tompson	62882	8300	Yes
134	-			6/2/2016 15:32	6/8/2016 8:34		Martin Israelsson	2462	8270	Yes
135	-			6/2/2016 16:53	6/8/2016 8:34		Masato Kitazoe	29801	10080	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
136	-			6/2/2016 17:13	6/8/2016 8:34		Masato Kitazoe	29801	8290	Yes
137	-			6/2/2016 17:29	6/11/2016 8:51		Ingbert Sigovich	28887	110200	Yes
138	-			6/2/2016 17:29	6/11/2016 8:51		Ingbert Sigovich	28887	8310	Yes
139	-			6/2/2016 17:29	6/11/2016 8:51		Ingbert Sigovich	28887	109300	Yes
140	-			6/2/2016 17:29	6/11/2016 8:51		Ingbert Sigovich	28887	109400	Yes

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141	-			6/2/2016 17:29	6/11/2016 8:51		Ingbert Sigovich	28887	8340	Yes
142	-			6/2/2016 17:29	6/11/2016 8:51		Ingbert Sigovich	28887	8350	Yes
143	-			6/2/2016 17:29	6/11/2016 8:51		Ingbert Sigovich	28887	9480	Yes
144	-			6/2/2016 17:29	6/11/2016 8:51		Ingbert Sigovich	28887	8370	Yes
145	-			6/2/2016 17:29	6/11/2016 8:51		Ingbert Sigovich	28887	110100	Yes
146	-			6/2/2016 17:29	6/11/2016 8:51		Ingbert Sigovich	28887	9710	Yes
147	-			6/2/2016 17:29	6/11/2016 8:51		Ingbert Sigovich	28887	8400	Yes
148	-			6/2/2016 17:29	6/11/2016 8:51		Ingbert Sigovich	28887	8410	Yes

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1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
149	-			6/2/2016 17:29	6/11/2016 8:51		Ingbert Sigovich	28887	8420	Yes
150	-			6/2/2016 17:29	6/11/2016 8:51		Ingbert Sigovich	28887	8430	Yes
151	-			6/2/2016 17:29	6/11/2016 8:51		Ingbert Sigovich	28887	8440	Yes
152	-			6/2/2016 17:29	6/11/2016 8:51		Ingbert Sigovich	28887	8450	Yes
153	-			6/2/2016 17:29	6/11/2016 8:51		Ingbert Sigovich	28887	8460	Yes
154	-			6/2/2016 17:29	6/11/2016 8:51		Ingbert Sigovich	28887	8470	Yes
155	-			6/2/2016 17:29	6/11/2016 8:51		Ingbert Sigovich	28887	8480	Yes
156	-			6/2/2016 17:29	6/11/2016 8:51		Ingbert Sigovich	28887	8490	Yes
157	-			6/2/2016 17:29	6/11/2016 8:51		Ingbert Sigovich	28887	8500	Yes

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1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
158	-			6/2/2016 17:29	6/11/2016 8:51		Ingbert Sigovich	28887	8510	Yes
159	-			6/2/2016 17:29	6/11/2016 8:51		Ingbert Sigovich	28887	8520	Yes
160	-			6/2/2016 17:29	6/11/2016 8:51		Ingbert Sigovich	28887	8530	Yes
161	-			6/2/2016 17:29			Ingbert Sigovich	28887	8540	Yes
162	-			6/2/2016 17:29	6/11/2016 8:51		Ingbert Sigovich	28887	8550	Yes
163	-			6/2/2016 17:29	6/11/2016 8:51		Ingbert Sigovich	28887	8560	Yes
164	-			6/2/2016 17:29	6/11/2016 8:51		Ingbert Sigovich	28887	8570	Yes
165	-			6/2/2016 17:29	6/11/2016 8:51		Ingbert Sigovich	28887	8580	Yes

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166	-			6/2/2016 17:29	6/11/2016 8:51		Ingbert Sigovich	28887	8590	Yes
167	-			6/2/2016 17:29	6/11/2016 8:51		Ingbert Sigovich	28887	8600	Yes
168	-			6/2/2016 17:29	6/11/2016 8:51		Ingbert Sigovich	28887	8610	Yes
169	-			6/2/2016 17:29	6/11/2016 8:51		Ingbert Sigovich	28887	109500	Yes
170	-			6/2/2016 17:29	6/11/2016 8:51		Ingbert Sigovich	28887	8630	Yes
171	-			6/2/2016 17:29	6/11/2016 8:51		Ingbert Sigovich	28887	9500	Yes
172	-			6/2/2016 17:29	6/11/2016 8:51		Ingbert Sigovich	28887	9490	Yes
173	-			6/2/2016 17:29	6/11/2016 8:51		Ingbert Sigovich	28887	108500	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
174	-			6/2/2016 18:56	6/8/2016 8:34		Fatima Karim-Peters	41138	8670	Yes
175	-			6/2/2016 19:04	6/8/2016 8:34		Daniel Larsson	39861	8680	Yes
176	-			6/2/2016 19:04	6/8/2016 8:34		Daniel Larsson	39861	8430	Yes
177	-			6/2/2016 19:04	6/8/2016 8:34		Daniel Larsson	39861	8440	Yes
178	-			6/2/2016 19:04	6/8/2016 8:34		Daniel Larsson	39861	8310	Yes
179	-			6/2/2016 19:04	6/8/2016 8:34		Daniel Larsson	39861	8320	Yes
180	-			6/2/2016 19:04	6/8/2016 8:34		Daniel Larsson	39861	8250	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
181	-			6/2/2016 19:04	6/8/2016 8:34		Daniel Larsson	39861	8740	Yes
182	-			6/2/2016 19:04	6/8/2016 8:34		Daniel Larsson	39861	8750	Yes
183	-			6/2/2016 19:04	6/8/2016 8:34		Daniel Larsson	39861	8760	Yes
184	-			6/2/2016 19:04	6/8/2016 8:34		Daniel Larsson	39861	8152	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
185	-			6/2/2016 19:04	6/8/2016 8:34		Daniel Larsson	39861	8154	Yes
186	-			6/2/2016 19:04	6/8/2016 8:34		Daniel Larsson	39861	8280	Yes
187	-			6/2/2016 19:04	6/8/2016 8:34		Daniel Larsson	39861	8290	Yes
188	-			6/2/2016 19:04	6/8/2016 8:34		Daniel Larsson	39861	8810	Yes
189	-			6/2/2016 19:04	6/8/2016 8:34		Pasquale Amodio	61328	110300	Yes
190	-			6/2/2016 19:10	6/8/2016 8:34		Pasquale Amodio	61328	10510	Yes
191	-			6/2/2016 19:38	6/8/2016 8:34		Fatima Karim-Peters	41138	8090	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
192	-			6/2/2016 19:42	6/8/2016 8:34		Fatima Karim-Peters	41138	8100	Yes
193	-			6/2/2016 19:47	6/8/2016 8:34		Fatima Karim-Peters	41138	8102	Yes
194	-			6/2/2016 19:52	6/8/2016 8:34		Fatima Karim-Peters	41138	8104	Yes
195	-			6/2/2016 19:58	6/8/2016 8:34		Fatima Karim-Peters	41138	9840	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
196	-			6/2/2016 20:02	6/8/2016 8:34		Fatima Karim-Peters	41138	9850	Yes
197	-			6/2/2016 20:13	6/2/2016 20:22		Hassan Yaghoobi	34546	8900	Yes
198	-			6/2/2016 20:51	6/8/2016 8:34		Bill Shvodian	61097	8910	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
199	-			6/2/2016 21:09	6/8/2016 8:34		Bill Shvodian	61097	8920	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
200	-			6/3/2016 0:48	6/7/2016 1:35		Vince Spatafora	42588	8980	Yes
201	-			6/3/2016 1:06	6/9/2016 17:38		Juho Lee	31056	8940	Yes
202	-			6/3/2016 1:14	6/8/2016 8:34		Kunihiko Teshima	48334	8950	Yes
203	-			6/3/2016 1:17	6/8/2016 8:34		Kunihiko Teshima	48334	8960	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
204	-			6/3/2016 1:40	6/8/2016 8:34		Zhuo Chen	59196	10150	Yes
205	-			6/3/2016 1:51	6/8/2016 8:34		Zhuo Chen	59196	116600	Yes
206	-			6/3/2016 1:56	6/8/2016 8:34		Zhuo Chen	59196	9880	Yes
207	-			6/3/2016 2:09	6/8/2016 8:34		Kazuaki Takeda	59634	7360	Yes
208	-			6/3/2016 2:09	6/8/2016 8:34		Kazuaki Takeda	59634	7340	Yes
209	-			6/3/2016 3:14	6/8/2016 8:34		Zhuo Chen	59196	9020	Yes
210	-			6/3/2016 3:36	6/3/2016 3:51		Xiaodong Xu	39125	9030	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
211	-			6/3/2016 4:28	6/8/2016 8:34		Young Han Nam	59142	8160	Yes
212	-			6/3/2016 4:34	6/8/2016 8:34		Xiaodong Xu	39125	9050	Yes
213	-			6/3/2016 4:34	6/8/2016 8:34		Xiaodong Xu	39125	9060	Yes
214	-			6/3/2016 5:11	6/8/2016 8:34		Yang Tang	56725	9070	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
215	-			6/3/2016 5:11	6/8/2016 8:34		Yang Tang	56725	9080	Yes
216	-			6/3/2016 5:11	6/8/2016 8:34		Yang Tang	56725	9100	Yes
217	-			6/3/2016 5:11	6/8/2016 8:34		Yang Tang	56725	9090	Yes
218	-			6/3/2016 5:11	6/8/2016 8:34		Yang Tang	56725	9110	Yes
219	-			6/3/2016 5:11	6/8/2016 8:34		Yang Tang	56725	9120	Yes
220	-			6/3/2016 5:11	6/8/2016 8:34		Yang Tang	56725	9130	Yes
221	-			6/3/2016 5:11	6/8/2016 8:34		Yang Tang	56725	9140	Yes
222	-			6/3/2016 5:18	6/8/2016 8:34		Hideaki Takahashi	60906	9150	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
223	-			6/3/2016 5:42	6/8/2016 8:34		Zhongda Du	38890	10110	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
224	-			6/3/2016 5:44	6/8/2016 8:34		Zhongda Du	38890	8180	Yes
225	-			6/3/2016 5:45	6/8/2016 8:34		Zhongda Du	38890	109800	Yes
226	-			6/3/2016 5:47	6/8/2016 8:34		Zhongda Du	38890	9190	Yes
227	-			6/3/2016 5:48	6/8/2016 8:34		Zhongda Du	38890	9200	Yes
228	-			6/3/2016 5:50	6/8/2016 8:34		Zhongda Du	38890	9210	Yes
229	-			6/3/2016 5:51	6/8/2016 8:34		Zhongda Du	38890	9220	Yes
230	-			6/3/2016 5:53	6/8/2016 8:34		Sasha Sirotkin	41562	9240	Yes
231	-			6/3/2016 5:53	6/8/2016 8:34		Sasha Sirotkin	41562	9230	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
232	-			6/3/2016 5:53	6/8/2016 8:34		Sasha Sirotkin	41562	10480	Yes
233	-			6/3/2016 5:54	6/8/2016 8:34		Zhongda Du	38890	9260	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
234	-			6/3/2016 6:21	6/8/2016 8:34		Wuri Hapsari	59995	10430	Yes
235	-			6/3/2016 6:22	6/8/2016 8:34		Haijie Qiu	46265	9280	Yes
236	-			6/3/2016 6:45	6/8/2016 8:34		Nicklas Johansson	47575	9290	Yes
237	-			6/3/2016 6:48	6/8/2016 8:34		David Mazzarese	44044	9300	Yes
238	-			6/3/2016 6:48	6/8/2016 8:34		David Mazzarese	44044	9310	Yes
239	-			6/3/2016 6:48	6/8/2016 8:34		David Mazzarese	44044	9320	Yes
240	-			6/3/2016 6:48	6/8/2016 8:34		David Mazzarese	44044	9330	Yes
241	-			6/3/2016 6:48	6/8/2016 8:34		David Mazzarese	44044	9340	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
242	-			6/3/2016 6:48	6/8/2016 8:34		David Mazzarese	44044	9350	Yes
243	-			6/3/2016 6:48	6/8/2016 8:34		David Mazzarese	44044	9360	Yes
244	-			6/3/2016 6:48	6/8/2016 8:34		David Mazzarese	44044	9370	Yes
245	-			6/3/2016 6:48	6/8/2016 8:34		David Mazzarese	44044	9380	Yes
246	-			6/3/2016 6:48	6/8/2016 8:34		David Mazzarese	44044	9390	Yes
247	-			6/3/2016 6:48	6/8/2016 8:34		David Mazzarese	44044	9400	Yes
248	-			6/3/2016 6:48	6/8/2016 8:34		David Mazzarese	44044	9410	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
249	-			6/3/2016 6:48	6/8/2016 8:34		David Mazzarese	44044	9420	Yes
250	-			6/3/2016 6:48	6/8/2016 8:34		David Mazzarese	44044	9430	Yes
251	-			6/3/2016 6:48	6/8/2016 8:34		David Mazzarese	44044	9440	Yes
252	-			6/3/2016 6:48	6/8/2016 8:34		David Mazzarese	44044	111800	Yes
253	-			6/3/2016 6:48	6/8/2016 8:34		David Mazzarese	44044	9460	Yes
254	-			6/3/2016 6:48	6/8/2016 8:34		David Mazzarese	44044	112200	Yes
255	-			6/3/2016 6:48	6/8/2016 8:34		David Mazzarese	44044	8360	Yes
256	-			6/3/2016 6:48	6/8/2016 8:34		David Mazzarese	44044	8650	Yes
257	-			6/3/2016 6:48	6/8/2016 8:34		David Mazzarese	44044	8640	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
258	-			6/3/2016 7:07	6/8/2016 8:34		Seunghee Han	47329	8240	Yes
259	-			6/3/2016 7:07	6/8/2016 8:34		Seunghee Han	47329	8230	Yes
260	-			6/3/2016 7:07	6/8/2016 8:34		Seunghee Han	47329	9530	Yes
261	-			6/3/2016 7:07	6/8/2016 8:34		Seunghee Han	47329	9540	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
262	-			6/3/2016 7:07	6/8/2016 8:34		Seunghee Han	47329	10070	Yes
263	-			6/3/2016 7:07	6/8/2016 8:34		Seunghee Han	47329	109600	Yes
264	-			6/3/2016 7:08	6/8/2016 8:34		Seunghee Han	47329	109700	Yes
265	-			6/3/2016 7:17	6/8/2016 8:34		Liwei Qiu	45572	9580	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
266	-			6/3/2016 7:18	6/8/2016 8:34		Wuri Hapsari	59995	10460	Yes
267	-			6/3/2016 7:18			Wuri Hapsari	59995	10470	Yes
268	-			6/3/2016 7:23	6/8/2016 8:34		Kazuaki Takeda	59634	7721	Yes
269	-			6/3/2016 7:23	6/8/2016 8:34		Kazuaki Takeda	59634	7723	Yes
270	-			6/3/2016 7:23	6/8/2016 8:34		Kazuaki Takeda	59634	7725	Yes
271	-			6/3/2016 7:23	6/8/2016 8:34		Kazuaki Takeda	59634	7727	Yes
272	-			6/3/2016 7:23	6/8/2016 8:34		Kazuaki Takeda	59634	7729	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
273	-			6/3/2016 7:23	6/8/2016 8:34		Kazuaki Takeda	59634	7730	Yes
274	-			6/3/2016 7:23	6/8/2016 8:34		Kazuaki Takeda	59634	7732	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
275	-			6/3/2016 7:23	6/8/2016 8:34		Kazuaki Takeda	59634	7733	Yes
276	-			6/3/2016 7:23	6/8/2016 8:34		Kazuaki Takeda	59634	7735	Yes
277	-			6/3/2016 7:23	6/8/2016 8:34		Kazuaki Takeda	59634	7736	Yes
278	-			6/3/2016 7:25	6/12/2016 12:05		Haiyang Quan	35212	8390	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
279	-			6/3/2016 7:33	6/8/2016 8:34		Liehai Liu	47239	9720	Yes
280	-			6/3/2016 7:38	6/8/2016 8:34		Liehai Liu	47239	112600	Yes
281	-			6/3/2016 7:51	6/8/2016 8:34		Peng Zhang	58426	9740	Yes
282	-			6/3/2016 8:27	6/8/2016 8:34		Tero Henttonen	32687	9891	Yes
283	-			6/3/2016 8:29	6/8/2016 8:34		Tero Henttonen	32687	9890	Yes
284	-			6/3/2016 8:30	6/8/2016 8:34		Christian Hoymann	43006	9861	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
285	-	RP-151144		6/3/2016 8:36	6/8/2016 8:34		Christian Hoymann	43006	116300	Yes
286	-			6/3/2016 8:45			Hans van der Veen	12696	116700	Yes
287	-			6/3/2016 8:45	6/8/2016 8:34		Haiyang Quan	35212	9750	Yes
288	-			6/3/2016 8:47	6/8/2016 8:34		David Mazzarese	44044	7739	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
289	-			6/3/2016 8:47	6/8/2016 8:34		David Mazzarese	44044	8140	Yes
290	-			6/3/2016 8:47	6/8/2016 8:34		David Mazzarese	44044	10500	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
291	-			6/3/2016 8:47	6/8/2016 8:34		David Mazzarese	44044	8870	Yes
292	-			6/3/2016 8:47	6/8/2016 8:34		David Mazzarese	44044	110600	Yes
293	-			6/3/2016 8:47	6/8/2016 8:34		David Mazzarese	44044	9860	Yes

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1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
294	-			6/3/2016 8:47			David Mazzarese	44044	9160	Yes
295	-			6/3/2016 8:47	6/8/2016 8:34		David Mazzarese	44044	9620	Yes
296	-			6/3/2016 8:47	6/8/2016 8:34		Haiyang Quan	35212	7980	Yes
297	-			6/3/2016 9:02	6/8/2016 8:34		David Mazzarese	44044	9910	Yes
298	-			6/3/2016 9:02	6/8/2016 8:34		David Mazzarese	44044	9900	Yes
299	-			6/3/2016 9:02	6/8/2016 8:34		David Mazzarese	44044	8360	Yes
300	-			6/3/2016 9:02	6/8/2016 8:34		David Mazzarese	44044	8460	Yes
301	-			6/3/2016 9:02	6/8/2016 8:34		David Mazzarese	44044	8450	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
302	-			6/3/2016 9:02			David Mazzarese	44044	8130	Yes
303	-			6/3/2016 9:02	6/8/2016 8:34		David Mazzarese	44044	7940	Yes
304	-			6/3/2016 9:02	6/8/2016 8:34		David Mazzarese	44044	8190	Yes
305	-			6/3/2016 9:02	6/8/2016 8:34		David Mazzarese	44044	8420	Yes
306	-			6/3/2016 9:02	6/8/2016 8:34		David Mazzarese	44044	8415	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
307	-			6/3/2016 9:02	6/8/2016 8:34		David Mazzarese	44044	8410	Yes
308	-			6/3/2016 9:02	6/8/2016 8:34		David Mazzarese	44044	110500	Yes
309	-			6/3/2016 9:02	6/8/2016 8:34		David Mazzarese	44044	110400	Yes
310	-			6/3/2016 9:02	6/8/2016 8:34		David Mazzarese	44044	8030	Yes
311	-			6/3/2016 9:02	6/8/2016 8:34		David Mazzarese	44044	7690	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
312	-			6/3/2016 9:02	6/8/2016 8:34		David Mazzarese	44044	7680	Yes
313	-			6/3/2016 9:02	6/8/2016 8:34		David Mazzarese	44044	8254	Yes
314	-			6/3/2016 9:02	6/8/2016 8:34		David Mazzarese	44044	9550	Yes
315	-			6/3/2016 9:02	6/8/2016 8:34		David Mazzarese	44044	8280	Yes
316	-			6/3/2016 9:02	6/8/2016 8:34		David Mazzarese	44044	8270	Yes
317	-			6/3/2016 9:02	6/8/2016 8:34		David Mazzarese	44044	8260	Yes
318	-			6/3/2016 9:03	6/11/2016 8:51		Juho Lee	31056	9870	Yes
319	FCC, WiFi Alliance, IEEE 802 LMSC	RP-160727		6/3/2016 9:08	6/8/2016 8:34		David Mazzarese	44044	7360	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
320	-			6/3/2016 9:53	6/8/2016 8:34		Roland Beutler	63720	8860	Yes
321	-			6/3/2016 9:54	6/8/2016 8:34		Atoosa Hatefi	62064	10410	Yes
322	-			6/3/2016 10:02	6/8/2016 8:34		Fatima Karim-Peters	41138	8970	Yes
323	-			6/3/2016 10:04	6/8/2016 8:34		Gen Cao	58500	10160	Yes
324	-			6/3/2016 10:14	6/8/2016 8:34		Gen Cao	58500	10170	Yes
325	-			6/3/2016 10:15	6/8/2016 8:34		I-Kang Fu	54527	10180	Yes
326	-			6/3/2016 10:20	6/8/2016 8:34		I-Kang Fu	54527	10190	Yes
327	-			6/3/2016 10:24	6/8/2016 8:34		I-Kang Fu	54527	8150	Yes
328	-			6/3/2016 10:26	6/8/2016 8:34		I-Kang Fu	54527	8140	Yes
329	-			6/3/2016 10:34	6/8/2016 8:34		Henrik Enbuske	32991	10220	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
330	-			6/3/2016 10:35	6/14/2016 10:18		I-Kang Fu	54527	7991	Yes
331	-			6/3/2016 10:39	6/8/2016 8:34		Henrik Enbuske	32991	10240	Yes
332	-			6/3/2016 10:39	6/8/2016 8:34		Johan Bergman	51222	10250	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
333	-			6/3/2016 11:06	6/8/2016 8:34		Petri Vasenkari	41141	10590	Yes
334	-			6/3/2016 11:12	6/8/2016 8:34		Petri Vasenkari	41141	10280	Yes
335	-			6/3/2016 11:16	6/8/2016 8:34		Petri Vasenkari	41141	10260	Yes
336	-			6/3/2016 11:17	6/8/2016 8:34		Nicklas Johansson	47575	10340	Yes
337	-			6/3/2016 11:19	6/8/2016 8:34		Petri Vasenkari	41141	10300	Yes
338	-			6/3/2016 11:20	6/8/2016 8:34		Nicklas Johansson	47575	10330	Yes
339	-			6/3/2016 11:30			Maomao Chen	46060	10320	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
340	-			6/3/2016 11:38	6/8/2016 8:34		Nicklas Johansson	47575	10550	Yes
341	-			6/3/2016 11:53	6/8/2016 8:34		Nicklas Johansson	47575	10540	Yes
342	-			6/3/2016 12:02	6/8/2016 8:34		Tero Henttonen	32687	10360	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
343	-			6/3/2016 12:04	6/8/2016 8:34		Tero Henttonen	32687	10350	Yes
344	-			6/3/2016 12:29	6/8/2016 8:34		Sari Nielsen	23044	8200	Yes
345	-			6/3/2016 13:01	6/8/2016 8:34		Karri Ranta-aho	64268	7400	Yes
346	-			6/3/2016 13:04	6/8/2016 8:34		Zhongda Du	38890	8170	Yes
347	-			6/3/2016 13:24	6/11/2016 8:51		Juha Korhonen	21609	10400	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
348	-			6/3/2016 13:26	6/11/2016 8:51		Juha Korhonen	21609	112400	Yes
349	-			6/3/2016 13:28	6/11/2016 8:51		Juha Korhonen	21609	10810	Yes
350	-			6/3/2016 13:29	6/11/2016 8:51		Juha Korhonen	21609	9270	Yes
351	-			6/3/2016 13:31	6/8/2016 8:34		Matthew Baker	21509	8350	Yes
352	-			6/3/2016 13:33	6/8/2016 8:34		Matthew Baker	21509	8340	Yes
353	-			6/3/2016 13:34	6/11/2016 8:51		Juha Korhonen	21609	9590	Yes
354	-			6/3/2016 13:36	6/11/2016 8:51		Juha Korhonen	21609	9600	Yes
355	-			6/3/2016 13:36	6/8/2016 8:34		Anders Dahlen	31284	7960	Yes
356	-			6/3/2016 13:42	6/11/2016 8:51		Juha Korhonen	21609	10490	Yes
357	-			6/3/2016 13:43	6/8/2016 8:34		Anders Dahlen	31284	8050	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
358	-			6/3/2016 13:48	6/8/2016 8:34		Iwajlo Angelow	34448	8820	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
359	-			6/3/2016 13:48	6/8/2016 8:34		Iwajlo Angelow	34448	112100	Yes
360	-			6/3/2016 13:48	6/8/2016 8:34		Iwajlo Angelow	34448	10520	Yes
361	-			6/3/2016 14:03	6/8/2016 8:34		Matthew Baker	21509	10310	Yes
362	-			6/3/2016 14:06	6/8/2016 8:34		Matthew Baker	21509	10290	Yes
363	RAN1, RAN4	RP-160508		6/3/2016 14:24	6/3/2016 14:50		Joern Krause	12578	10560	Yes
364	-			6/3/2016 14:30	6/8/2016 8:34		Muhammad Kazmi	31117	111000	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
365	-			6/3/2016 14:39	6/8/2016 8:34		Gordon Young	33767	10580	Yes
366	-			6/3/2016 14:49	6/13/2016 1:39		Gordon Young	33767	10270	Yes
367	-			6/3/2016 14:58	6/8/2016 8:34		Matthew Webb	45858	8255	Yes
368	-			6/3/2016 15:11	6/11/2016 8:51		Patrick Merias	52292	10610	Yes
369	-			6/3/2016 15:11	6/11/2016 8:51		Patrick Merias	52292	10620	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
370	-			6/3/2016 15:11	6/11/2016 8:51		Patrick Merias	52292	10630	Yes
371	-			6/3/2016 15:11	6/11/2016 8:51		Patrick Merias	52292	10640	Yes
372	-			6/3/2016 15:11	6/11/2016 8:51		Patrick Merias	52292	10650	Yes
373	-			6/3/2016 15:11	6/11/2016 8:51		Patrick Merias	52292	10660	Yes
374	-			6/3/2016 15:11	6/11/2016 8:51		Patrick Merias	52292	9730	Yes
375	-			6/3/2016 15:11	6/11/2016 8:51		Patrick Merias	52292	10680	Yes
376	-			6/3/2016 15:11	6/11/2016 8:51		Patrick Merias	52292	10690	Yes
377	-			6/3/2016 15:11	6/11/2016 8:51		Patrick Merias	52292	10700	Yes
378	-			6/3/2016 15:20	6/5/2016 23:18		Anjali Mishra	49861	10710	Yes
379	-			6/3/2016 15:32	6/8/2016 8:34		Valentin Gheorghiu	43117	10050	Yes
380	-			6/3/2016 15:37	6/11/2016 8:51		Yong-jun Chung	33618	10730	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
381	-			6/3/2016 15:37	6/11/2016 8:51		Yong-jun Chung	33618	127500	Yes
382	-			6/3/2016 15:37	6/11/2016 8:51		Yong-jun Chung	33618	10750	Yes
383	-			6/3/2016 15:37	6/11/2016 8:51		Yong-jun Chung	33618	10760	Yes
384	-			6/3/2016 15:37	6/11/2016 8:51		Yong-jun Chung	33618	10770	Yes
385	-			6/3/2016 15:37	6/11/2016 8:51		Yong-jun Chung	33618	10780	Yes
386	-			6/3/2016 15:37	6/11/2016 8:51		Yong-jun Chung	33618	10790	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
387	-			6/3/2016 15:37	6/11/2016 8:51		Yong-jun Chung	33618	10800	Yes
388	-			6/3/2016 15:37	6/11/2016 8:51		Yong-jun Chung	33618	10120	Yes
389	-			6/3/2016 15:37	6/11/2016 8:51		Yong-jun Chung	33618	115500	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
390	-			6/3/2016 15:37	6/11/2016 8:51		Yong-jun Chung	33618	115600	Yes
391	-			6/3/2016 15:39	6/8/2016 8:34		Valentin Gheorghiu	43117	10720	Yes
392	-			6/5/2016 10:28	6/5/2016 23:18	-			8660	Yes
393	-			6/5/2016 10:34	6/8/2016 8:34	-			108600	Yes
394	-			6/5/2016 10:34	6/8/2016 8:34	-			111700	Yes
395	-			6/5/2016 11:11	6/8/2016 8:34	-			108800	Yes
396	-			6/5/2016 11:19	6/8/2016 8:34	-			108900	Yes
397	-			6/5/2016 11:24	6/8/2016 8:34	-			7350	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
398	-			6/5/2016 11:33	6/8/2016 8:34	-			10670	Yes
399	-			6/5/2016 11:38	6/8/2016 8:34	-			9040	Yes
400	-			6/5/2016 12:08	6/8/2016 8:34	-			8320	Yes
401	-			6/5/2016 12:08	6/8/2016 8:34	-			8330	Yes
402	-			6/5/2016 12:16	6/8/2016 8:34	-			8620	Yes
403	-			6/5/2016 18:12	6/8/2016 8:34	-			10740	Yes
404	-			6/5/2016 18:12	6/8/2016 8:34	-			9560	Yes
405	-			6/5/2016 18:14	6/8/2016 8:34	-			115100	Yes
406	-			6/5/2016 18:15	6/8/2016 8:34	-			8220	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
407	-	-	-	6/6/2016 18:28	6/9/2016 17:38	-			8110	Yes
408	-			6/6/2016 19:24	6/8/2016 8:34	-			8380	Yes
409	-			6/6/2016 19:36	6/8/2016 8:34	-			8300	Yes
410	-			6/6/2016 20:02	6/8/2016 8:34	-			7880	Yes
411	-			6/6/2016 23:22	6/8/2016 8:34	-			8230	Yes
412	-			6/6/2016 23:22	6/8/2016 8:34	-			8240	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
413	-	NGMN_LS_160603		6/7/2016 0:56	6/7/2016 1:35	-			7470	Yes
414	-			6/7/2016 1:41	6/16/2016 0:58	-			110700	Yes
415	-	-	-	6/8/2016 0:04	6/9/2016 17:38	-			9770	Yes
416	-	-	-	6/8/2016 8:03	6/13/2016 9:39	-			8330	Yes
417	RAN1, RAN4, IEEE 802.19 Coexistence WG	RP-160729		6/8/2016 8:06	6/9/2016 17:38	-			10570	Yes
418	-			6/8/2016 16:33			Yong-jun Chung	33618	111100	No
419	-			6/8/2016 16:54	6/13/2016 1:39	-			115700	Yes
420	SA2			6/8/2016 16:54	6/13/2016 1:39	-			116500	Yes

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1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
421	-			6/9/2016 10:59	6/11/2016 22:13	-			121700	Yes
422	-	-	-	6/9/2016 11:15	6/11/2016 8:51	-			7891	Yes
423	-			6/9/2016 16:53	6/11/2016 8:51				8220	Yes
424	-			6/9/2016 16:53	6/11/2016 8:51				108700	Yes
425	-			6/9/2016 16:53	6/11/2016 8:51				9450	Yes
426	-			6/9/2016 16:53	6/11/2016 8:51				8210	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
427	-			6/9/2016 16:53	6/11/2016 8:51				111900	Yes
428	-			6/9/2016 16:53	6/11/2016 8:51				10530	Yes
429	-			6/9/2016 16:53	6/11/2016 8:51				9470	Yes
430	-			6/9/2016 16:53	6/11/2016 8:51				7490	Yes
431	-			6/9/2016 16:53	6/11/2016 8:51				120000	Yes
432	-			6/9/2016 16:53	6/11/2016 8:51				112500	Yes
433	-			6/9/2016 16:53	6/11/2016 8:51				109100	Yes
434	-			6/9/2016 16:53	6/11/2016 8:51				112700	Yes
435	-			6/9/2016 16:53	6/11/2016 8:51				112800	Yes
436	-			6/9/2016 16:53	6/11/2016 8:51				112900	Yes

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1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
437	-			6/9/2016 16:53	6/11/2016 8:51				113000	Yes
438	-			6/9/2016 16:53	6/11/2016 8:51				113100	Yes
439	-			6/9/2016 16:53	6/11/2016 8:51				113200	Yes
440	-			6/9/2016 16:53	6/11/2016 8:51				113300	Yes
441	-			6/9/2016 16:53	6/11/2016 8:51				113400	Yes
442	-			6/9/2016 16:53	6/11/2016 8:51				113500	Yes
443	-			6/9/2016 16:53	6/11/2016 8:51				113600	Yes
444	-			6/9/2016 16:53	6/11/2016 8:51				113700	Yes
445	-			6/9/2016 16:53	6/11/2016 8:51				113800	Yes
446	-			6/9/2016 16:53	6/11/2016 8:51				113900	Yes
447	-			6/9/2016 16:53	6/11/2016 8:51				114000	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
448	-			6/9/2016 16:53	6/11/2016 8:51				114100	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
449	-			6/9/2016 16:53	6/11/2016 8:51				114200	Yes
450	-			6/9/2016 16:51	6/11/2016 8:51	-			7410	Yes
451	-			6/9/2016 17:00	6/11/2016 8:51	-			114400	Yes
452	-			6/9/2016 17:07	6/11/2016 8:51	-			8040	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
453	-	-	-	6/9/2016 22:02	6/13/2016 9:39	-			9741	Yes
454	-	-	-	6/9/2016 22:12	6/11/2016 8:51	-			9760	Yes
455	-	-	-	6/9/2016 22:12	6/11/2016 8:51	-			8000	Yes
456	-			6/9/2016 23:17	6/11/2016 22:13	-			8370	Yes
457	-			6/9/2016 23:26	6/12/2016 12:05	-			9520	Yes
458	-			6/9/2016 23:28	6/12/2016 12:05	-			115000	Yes
459	-			6/9/2016 23:28	6/11/2016 22:13	-			8210	Yes
460	-	-	-	6/10/2016 11:02	6/12/2016 12:05	-			8761	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
	-	-	-	6/10/2016 11:08	6/13/2016 9:39	-			8930	Yes
461										

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
462	-			6/10/2016 12:40		-			111200	Yes
463	CT1, CT4			6/10/2016 12:40	6/16/2016 9:07	-			111300	Yes
464	-			6/10/2016 13:01	6/13/2016 9:39	-			10830	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
	-			6/10/2016 20:34	6/15/2016 6:30	-			117100	Yes
465										

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
466	-	-	-	6/10/2016 21:53	6/14/2016 0:38	-			10081	Yes
467	-			6/10/2016 22:02	6/14/2016 16:25	-			116000	Yes
468	-	-	-	6/10/2016 23:23	6/12/2016 12:05	-			9361	Yes
469	-	-	-	6/10/2016 23:27	6/12/2016 13:02	-			10181	Yes
470	-			6/10/2016 23:32	6/11/2016 22:13	-			10130	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
471	-			6/10/2016 23:56	6/11/2016 22:13	-			116400	Yes
472	-			6/11/2016 5:17	6/11/2016 22:13	-			10820	Yes
473	-			6/11/2016 5:37	6/11/2016 22:13	-			8120	Yes
474	-			6/11/2016 5:45	6/11/2016 22:13	-			7500	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
475	-			6/11/2016 10:23	6/11/2016 22:13	-			116800	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
476	-	-	-	6/11/2016 21:59	6/14/2016 10:32	-			7390	Yes
477	-			6/12/2016 2:06	9/4/2016 17:25	-			117000	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
478	-	RP-160721, RP-160722		6/12/2016 2:18	6/15/2016 6:30	-			115800	Yes
479	-	-	-	6/12/2016 22:12	6/12/2016 22:22	-			6951	Yes
480	-	-	-	6/13/2016 2:17	6/13/2016 9:39	-			8411	Yes
481	-	-	-	6/13/2016 2:20	6/13/2016 11:47	-			8351	Yes
482	-	-	-	6/13/2016 2:21	6/13/2016 9:39	-			8181	Yes
483	-	-	-	6/13/2016 2:22	6/13/2016 9:39	-			8171	Yes
484	-			6/13/2016 2:34	6/13/2016 11:47	-			8405	Yes
485	-			6/13/2016 2:34	6/16/2016 2:34	-			117800	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
486	-	-	-	6/13/2016 2:47	6/14/2016 10:32	-			109200	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
487	-	-	-	6/13/2016 2:50	6/13/2016 10:15	-			8256	Yes
488	-	-	-	6/13/2016 2:51	6/13/2016 9:39	-			10021	Yes
489	-	-	-	6/13/2016 3:34	6/13/2016 9:39	-			114501	Yes
490	-	-	-	6/13/2016 3:37	6/13/2016 9:39	-			10841	Yes
491	-	-	-	6/13/2016 4:05	6/13/2016 9:39	-			8401	Yes
492	-	-	-	6/13/2016 5:28	6/13/2016 9:39	-			8241	Yes
493	-	-	-	6/13/2016 5:36	6/13/2016 10:15	-			7711	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
494	-	-	-	6/13/2016 5:36	6/13/2016 10:15	-			8081	Yes
495	-	-	-	6/13/2016 5:38	6/16/2016 5:56	-			9892	Yes
496	-	-	-	6/13/2016 5:39	6/16/2016 5:56	-			10361	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
497	-	-	-	6/13/2016 7:16	6/13/2016 9:39	-			9871	Yes
498	-	-	-	6/13/2016 7:45	6/13/2016 10:15	-			8461	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
499	-			6/13/2016 8:03	6/13/2016 9:39	-			119200	Yes
500	-	-	-	6/13/2016 8:27	6/13/2016 9:39	-			119201	Yes
501	-	-	-	6/13/2016 9:24	6/13/2016 11:47	-			10721	Yes
502	-			6/13/2016 9:47	6/14/2016 16:25	-			10420	Yes
503	-	-	-	6/13/2016 10:26	6/14/2016 0:38	-			110501	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
504	-	-	-	6/13/2016 10:53	6/13/2016 12:12	-			7691	Yes
505	-			6/13/2016 12:32	6/15/2016 6:30	-			119800	Yes
506	-			6/13/2016 21:59	6/14/2016 0:38	-			7510	Yes
507	-			6/13/2016 22:21	6/16/2016 0:58	-			10140	Yes
508	-	-	-	6/13/2016 22:26	6/16/2016 0:58	-			10411	Yes
509	-	-	-	6/13/2016 23:25	6/16/2016 0:58	-			111701	Yes
510	-	-	-	6/13/2016 23:45	6/14/2016 10:32	-			10281	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
511	-	-	-	6/14/2016 2:11	6/14/2016 10:32	-			110301	Yes
512	-	-	-	6/14/2016 2:55	6/14/2016 10:32	-			7722	Yes
513	-	-	-	6/14/2016 3:08	6/16/2016 2:34	-			7731	Yes
514	-	-	-	6/14/2016 3:14	6/14/2016 10:32	-			7734	Yes
515	-			6/14/2016 3:33	6/16/2016 2:34	-			7520	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
516	-	-	-	6/14/2016 4:06	6/16/2016 2:34	-			8257	Yes
517	-	-	-	6/14/2016 4:38	6/16/2016 0:58	-			8101	Yes
518	-			6/14/2016 5:04	6/14/2016 12:22	-			10430	Yes
519	-	-	-	6/14/2016 7:37		-			9831	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
520	-	-	-	6/14/2016 8:02	6/19/2016 12:50	-			9881	Yes
521	-	-	-	6/14/2016 9:22	6/16/2016 5:56	-			7361	Yes
522	-	-	-	6/14/2016 9:35		-			8441	Yes
523	-	-	-	6/14/2016 10:02	6/14/2016 16:25	-			9911	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
524	-			6/14/2016 10:04	6/14/2016 16:25	-			9570	Yes
525	-	-	-	6/14/2016 10:34	6/16/2016 2:45	-			9761	Yes
526	-	-	-	6/14/2016 11:07	6/14/2016 16:25	-			8821	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
527	-	-	-	6/14/2016 11:16	6/16/2016 0:58	-			8831	Yes
528	-	-	-	6/14/2016 11:16	6/14/2016 16:25	-			7851	Yes
529	-	-	-	6/14/2016 11:35	6/16/2016 2:34	-			9771	Yes
530	-			6/14/2016 11:39	6/14/2016 16:25	-			122300	Yes
531	-	-	-	6/14/2016 11:53	6/15/2016 6:30	-			8291	Yes
532	-	-	-	6/14/2016 12:07	6/16/2016 5:56	-			10591	Yes
533	-	RP-151144	-	6/14/2016 12:27	6/14/2016 16:25	-			116301	Yes
534	FCC, WiFi Alliance, IEEE 802 LMSC	RP-160727	-	6/14/2016 12:44	6/14/2016 16:25	-			7361	Yes
535	RAN1, RAN4, IEEE 802.19 Coexistence WG	RP-160729	-	6/14/2016 12:49	6/19/2016 12:50	-			10571	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
536	-	-	-	6/14/2016 12:58	6/16/2016 0:58	-			9912	Yes
537	-	-	-	6/14/2016 16:49	6/16/2016 2:34	-			8871	Yes
538	-	-	-	6/14/2016 16:59	6/16/2016 0:58	-			9381	Yes
539	-	-	-	6/14/2016 17:01	6/16/2016 0:58	-			110502	Yes
540	RAN3			6/14/2016 17:03	6/16/2016 0:58	-			123300	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
541	-	-	-	6/14/2016 17:07	6/16/2016 2:43	-			8331	Yes
542	-	-	-	6/14/2016 17:10	6/16/2016 0:58	-			111001	Yes
543	-	-	-	6/14/2016 17:12	6/16/2016 0:58	-			8021	Yes
544	-			6/14/2016 17:15	6/16/2016 0:58	-			123700	Yes
545	-	-	-	6/14/2016 17:19	6/16/2016 9:07	-			7811	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
546	-			6/14/2016 17:23	6/15/2016 6:30	-			123900	Yes
547	-	-	-	6/14/2016 23:35	6/15/2016 6:30	-			8745	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
548	-	-	-	6/15/2016 2:48	6/15/2016 6:30	-			122301	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
549	-	-	-	6/15/2016 3:05	6/16/2016 9:07	-			8861	Yes
550	-	-	-	6/15/2016 3:10	6/15/2016 6:30	-			8741	Yes
551	-	-	-	6/15/2016 3:25	6/15/2016 6:30	-			8251	Yes
552	-			6/15/2016 4:12	6/15/2016 6:30	-			124500	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
553	-	-	-	6/15/2016 4:45	6/16/2016 0:58	-			10251	Yes
554	-			6/15/2016 4:54	6/16/2016 0:58	-			10440	Yes
555	-			6/15/2016 4:54	6/16/2016 0:58	-			10450	Yes
556	-			6/15/2016 4:58	6/15/2016 6:30	-			124900	Yes
557	-	-	-	6/15/2016 5:15	6/15/2016 6:30	-			8762	Yes
558	-			6/15/2016 5:21	6/16/2016 0:58	-			125100	Yes
559	ETSI BRAN			6/15/2016 5:21	6/16/2016 5:56	-			7420	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
560	-	-	-	6/15/2016 5:44	6/15/2016 6:30	-			123901	Yes
561	-	-	-	6/15/2016 5:56	6/16/2016 5:56	-			8105	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
562	-			6/15/2016 6:09	6/16/2016 5:56	-			125500	Yes
563	-			6/15/2016 6:25	6/16/2016 2:45	-			8404	Yes
564	-	-	-	6/15/2016 7:23	6/16/2016 9:07	-			7712	Yes
565	-	RP-160721, RP-160722	-	6/15/2016 7:34	6/16/2016 2:34	-			115801	Yes
566	-	-	-	6/15/2016 8:34	6/16/2016 0:58	-			9913	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
567	-	-	-	6/15/2016 8:37	6/16/2016 5:56	-			10551	Yes
568	-	-	-	6/15/2016 8:57	6/16/2016 0:58	-			10311	Yes
569	RAN3	-	-	6/15/2016 9:45	6/16/2016 5:56	-			123301	Yes
570	-	-	-	6/15/2016 9:56	6/16/2016 0:58	-			7911	Yes
571	-	-	-	6/15/2016 10:17	6/16/2016 0:58	-			10082	Yes
572	-	-	-	6/15/2016 10:18	6/16/2016 0:58	-			8292	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
573	-	-	-	6/15/2016 10:18	6/16/2016 0:58	-			124901	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
574	-	-	-	6/15/2016 11:16	6/16/2016 2:45	-			7341	Yes
575	-			6/15/2016 11:29	6/16/2016 0:58	-			126800	Yes
576	-			6/15/2016 12:52	6/16/2016 0:58	-			126900	Yes
577	-	-	-	6/15/2016 22:02	6/16/2016 2:34	-			115701	Yes
578	-	-	-	6/15/2016 22:06		-			9101	No
579	-	-	-	6/15/2016 22:46	6/16/2016 3:16	-			7931	Yes
580	-	-	-	6/15/2016 22:47	6/16/2016 2:45	-			8402	Yes
581	-	-	-	6/15/2016 22:50	6/16/2016 9:51	-			8242	Yes
582	-			6/15/2016 22:51	6/16/2016 5:56	-			111400	Yes
583	-	-	-	6/15/2016 23:01	6/16/2016 2:34	-			7740	Yes
584	-			6/15/2016 23:03	6/16/2016 2:34	-			8145	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
585	-			6/15/2016 23:09	6/16/2016 2:34	-			9621	Yes
586	-			6/15/2016 23:21	6/16/2016 5:56	-			127900	Yes
587	-			6/15/2016 23:21	6/16/2016 5:56	-			128000	Yes
588	-	-	-	6/16/2016 0:12		-			116001	No
589	-			6/16/2016 0:26	6/16/2016 9:51	-			128200	Yes
590	-			6/16/2016 0:26	6/16/2016 9:51	-			128300	Yes
591	-			6/16/2016 0:48	6/16/2016 9:07	-			10651	Yes
592	-			6/16/2016 1:09	6/16/2016 2:03	-			128500	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
593	-	-	-	6/16/2016 2:21	6/16/2016 2:45	-			8742	Yes
594	-	-	-	6/16/2016 2:21	6/16/2016 2:45	-			8252	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
595	-			6/16/2016 2:38	6/16/2016 5:56	-			128800	Yes
596	-			6/16/2016 2:45	6/16/2016 5:56	-			128900	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
597	-	-	-	6/16/2016 2:55	6/16/2016 5:56	-			10083	Yes
598	-			6/16/2016 2:58	6/16/2016 9:07	-			129100	Yes
599	-			6/16/2016 3:11	6/16/2016 9:07	-			7960	Yes
600	-	-	-	6/16/2016 3:11		-			7932	No
601	-	-	-	6/16/2016 3:18	6/16/2016 9:07	-			9201	Yes
602	-			6/16/2016 3:39	6/16/2016 9:07	-			8155	Yes
603	-	-	-	6/16/2016 3:43	6/19/2016 12:50	-			8253	Yes
604	-	-	-	6/16/2016 4:01	6/19/2016 12:50	-			8743	Yes
605	-	-	-	6/16/2016 4:08	6/16/2016 9:07	-			8403	Yes
606	-	-	-	6/16/2016 4:12	6/16/2016 9:07	-			8332	Yes
607	-	-	-	6/16/2016 4:38	6/16/2016 9:51	-			9431	Yes
608	-	-	-	6/16/2016 4:41	6/16/2016 5:56	-			9772	Yes
609	-	-	-	6/16/2016 4:45	6/16/2016 9:07	-			7121	Yes
610	-	-	-	6/16/2016 4:49	6/16/2016 5:56	-			8293	Yes
611	-	-	-	6/16/2016 4:54	6/16/2016 5:56	-			7342	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
612	-	-	-	6/16/2016 4:58	6/16/2016 5:56	-			10084	Yes
613	-			6/16/2016 5:26	6/16/2016 9:07	-			8151	Yes
614	-			6/16/2016 5:29	6/16/2016 9:07	-			111410	Yes
615	-			6/16/2016 5:44	6/16/2016 9:07	-			130800	Yes
616	-	-	-	6/16/2016 5:47	6/16/2016 9:07	-			7741	Yes
617	-			6/16/2016 5:49	6/16/2016 5:56	-			131000	Yes
618	CT1, CT4	RP-161165	-	6/16/2016 7:12	6/16/2016 9:07	-			111301	Yes
619	SA2	-	-	6/16/2016 7:14	6/16/2016 10:41	-			116501	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
620	-	-	-	6/16/2016 7:18	9/4/2016 17:31	-			6961	Yes
621	-	-	-	6/16/2016 7:47	6/16/2016 9:07	-			117801	Yes
622	ETSI BRAN	-	-	6/16/2016 7:49	6/16/2016 9:07	-			7421	Yes
623	-	-	-	6/16/2016 7:51	6/16/2016 9:07	-			9893	Yes
624	-	-	-	6/16/2016 8:08	6/16/2016 9:07	-			9622	Yes
625	-	-	-	6/16/2016 8:17	6/16/2016 9:07	-			7970	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
626	-	-	-	6/16/2016 8:19	6/16/2016 9:07	-			8160	Yes
627	-	-	-	6/16/2016 8:36	6/16/2016 9:07	-			117101	Yes
628	-	-	-	6/16/2016 8:52	6/16/2016 9:51	-			8165	Yes
629	ETSI BRAN	-	-	6/16/2016 9:01	6/16/2016 9:07	-			7422	Yes
630	-	-	-	6/16/2016 9:09	6/16/2016 9:51	-			10282	Yes
631	-	-	-	6/16/2016 9:16	6/16/2016 9:51	-			7980	Yes
632	-	-	-	6/16/2016 9:20	6/16/2016 9:51	-			9421	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
633	-	-	-	6/16/2016 9:22	6/16/2016 9:51	-			111401	Yes
634	-	-	-	6/16/2016 9:23	6/16/2016 9:51	-			111411	Yes
635	-	-	-	6/16/2016 9:28	6/16/2016 9:51	-			9432	Yes
636	-	-	-	6/16/2016 9:30	6/16/2016 10:41	-			10261	Yes
637	-	RP-151138	-	6/16/2016 9:44	6/16/2016 9:51	-			117102	Yes
638	-	-	-	6/16/2016 9:45	6/16/2016 9:51	-			128901	Yes
639	-	-	-	6/16/2016 9:47	6/16/2016 9:51	-			9341	Yes
640	-	-	-	6/16/2016 9:49	6/16/2016 10:41	-			128902	Yes

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	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Cc	ReplyTo	ReplyIn	ReservationDate	AvailabilityDate	CRpack	Contact	ContactID	Order-within-agenda-item	Done
641	-	-	-	6/28/2016 16:15	9/4/2016 17:31	-			7552	Yes
642	-			9/4/2016 17:20	9/4/2016 17:25	-			133500	Yes

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	AF	AG
1	Withdrawn	Doc-for
2	No	Approval
3	No	Approval
4	No	
5	No	
6	No	

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	AF	AG
1	Withdrawn	Doc-for
7	No	
8	No	
9	No	
10	No	
11	No	

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	AF	AG
1	Withdrawn	Doc-for
12	No	
13	No	
14	No	Approval
15	No	

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	AF	AG
1	Withdrawn	Doc-for
16	No	
17	No	
18	No	Information
19	No	
20	No	Action

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	AF	AG
1	Withdrawn	Doc-for
21	No	
22	No	
23	No	
24	No	
25	No	

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	AF	AG
1	Withdrawn	Doc-for
26	No	
27	No	Action
28	No	

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	AF	AG
1	Withdrawn	Doc-for
29	No	
30	No	
31	No	
32	No	Action

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	AF	AG
1	Withdrawn	Doc-for
33	No	Action
34	No	Action
35	No	
36	No	Action
37	No	
38	No	
39	No	
40	No	

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	AF	AG
1	Withdrawn	Doc-for
41	No	Action
42	No	
43	No	
44	No	
45	No	

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	AF	AG
1	Withdrawn	Doc-for
46	No	Action
47	No	
48	No	Action

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	AF	AG
1	Withdrawn	Doc-for
49	No	
50	No	Action
51	No	
52	No	
53	No	
54	No	Approval
55	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
56	No	
57	No	Approval
58	No	Information
59	No	

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	AF	AG
1	Withdrawn	Doc-for
60	No	Approval
61	No	Approval
62	No	Approval
63	No	

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	AF	AG
1	Withdrawn	Doc-for
64	No	
65	No	
66	No	
67	No	
68	No	
69	No	
70	No	
71	No	
72	No	Approval
73	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
74	No	
75	No	Information
76	No	Approval
77	No	Information
78	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
79	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
80	No	Decision
81	No	Approval
82	No	
83	No	
84	No	
85	No	Information

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	AF	AG
1	Withdrawn	Doc-for
86	No	
87	No	Approval
88	No	Information
89	No	
90	No	Approval
91	No	
92	No	Approval
93	No	Approval
94	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
95	No	Approval
96	No	
97	No	Approval
98	No	Approval
99	No	
100	No	Approval
101	No	Information
102	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
103	No	Approval
104	No	
105	No	Information
106	No	Decision

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	AF	AG
1	Withdrawn	Doc-for
107	No	Approval
108	Yes	
109	No	
110	No	Approval
111	No	Information
112	No	

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	AF	AG
1	Withdrawn	Doc-for
113	No	Approval
114	No	Approval
115	No	Information

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	AF	AG
1	Withdrawn	Doc-for
116	No	
117	No	Approval
118	No	Approval
119	No	Decision
120	No	Approval
121	Yes	

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	AF	AG
1	Withdrawn	Doc-for
122	No	
123	Yes	
124	No	
125	No	
126	No	

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	AF	AG
1	Withdrawn	Doc-for
127	No	
128	No	Approval
129	No	Approval
130	No	Information
131	No	Approval
132	No	Decision
133	No	Decision
134	No	
135	No	

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	AF	AG
1	Withdrawn	Doc-for
136	No	Approval
137	No	Approval
138	No	Approval
139	No	Approval
140	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
141	No	Approval
142	No	Approval
143	No	Approval
144	No	Approval
145	No	Approval
146	No	Approval
147	No	Approval
148	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
149	No	Approval
150	No	Approval
151	No	Approval
152	No	Approval
153	No	Approval
154	No	Approval
155	No	Approval
156	No	Approval
157	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
158	No	Approval
159	No	Approval
160	No	Approval
161	Yes	Approval
162	No	Approval
163	No	Approval
164	No	Approval
165	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
166	No	Approval
167	No	Approval
168	No	Approval
169	No	Approval
170	No	Approval
171	No	Approval
172	No	Approval
173	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
174	No	
175	No	
176	No	Information
177	No	Approval
178	No	Information
179	No	Approval
180	No	

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	AF	AG
1	Withdrawn	Doc-for
181	No	Approval
182	No	
183	No	
184	No	Information

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	AF	AG
1	Withdrawn	Doc-for
185	No	Approval
186	No	Information
187	No	Approval
188	No	Approval
189	No	Approval
190	No	Information
191	No	

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	AF	AG
1	Withdrawn	Doc-for
192	No	Approval
193	No	
194	No	Approval
195	No	

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	AF	AG
1	Withdrawn	Doc-for
196	No	Approval
197	No	Approval
198	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
199	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
200	No	
201	No	
202	No	
203	No	

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	AF	AG
1	Withdrawn	Doc-for
204	No	
205	No	
206	No	
207	No	Approval
208	No	
209	No	
210	No	

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	AF	AG
1	Withdrawn	Doc-for
211	No	
212	No	
213	No	Approval
214	No	

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	AF	AG
1	Withdrawn	Doc-for
215	No	Approval
216	No	Approval
217	No	Information
218	No	
219	No	Approval
220	No	
221	No	Approval
222	No	

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	AF	AG
1	Withdrawn	Doc-for
223	No	

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	AF	AG
1	Withdrawn	Doc-for
224	No	Approval
225	No	
226	No	
227	No	
228	No	Approval
229	No	
230	No	Approval
231	No	

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	AF	AG
1	Withdrawn	Doc-for
232	No	
233	No	

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	AF	AG
1	Withdrawn	Doc-for
234	No	
235	No	
236	No	Approval
237	No	
238	No	
239	No	
240	No	Approval
241	No	

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	AF	AG
1	Withdrawn	Doc-for
242	No	Approval
243	No	
244	No	Approval
245	No	
246	No	
247	No	Approval
248	No	

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	AF	AG
1	Withdrawn	Doc-for
249	No	
250	No	Approval
251	No	
252	No	Approval
253	No	
254	No	Approval
255	No	
256	No	
257	No	

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	AF	AG
1	Withdrawn	Doc-for
258	No	Approval
259	No	Information
260	No	
261	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
262	No	Decision
263	No	Approval
264	No	Approval
265	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
266	No	Approval
267	Yes	Approval
268	No	Approval
269	No	Approval
270	No	Approval
271	No	Approval
272	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
273	No	Approval
274	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
275	No	Approval
276	No	Approval
277	No	Approval
278	No	

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	AF	AG
1	Withdrawn	Doc-for
279	No	Approval
280	No	Approval
281	No	Approval
282	No	Approval
283	No	Information
284	No	Decision

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	AF	AG
1	Withdrawn	Doc-for
285	No	Approval
286	Yes	Decision
287	No	Approval
288	No	

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	AF	AG
1	Withdrawn	Doc-for
289	No	
290	No	

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	AF	AG
1	Withdrawn	Doc-for
291	No	Approval
292	No	
293	No	

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	AF	AG
1	Withdrawn	Doc-for
294	Yes	
295	No	
296	No	
297	No	Approval
298	No	Information
299	No	Information
300	No	Approval
301	No	Information

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	AF	AG
1	Withdrawn	Doc-for
302	Yes	Approval
303	No	Information
304	No	Information
305	No	Approval
306	No	Information

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	AF	AG
1	Withdrawn	Doc-for
307	No	Information
308	No	Approval
309	No	Information
310	No	Information
311	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
312	No	Information
313	No	Information
314	No	Information
315	No	Information
316	No	Approval
317	No	Information
318	No	Decision
319	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
320	No	Approval
321	No	Approval
322	No	Decision
323	Yes	
324	No	Information
325	No	
326	No	Approval
327	No	Approval
328	No	
329	No	

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	AF	AG
1	Withdrawn	Doc-for
330	No	
331	No	Approval
332	No	

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	AF	AG
1	Withdrawn	Doc-for
333	No	Approval
334	No	Approval
335	No	
336	No	Approval
337	No	
338	No	
339	Yes	Approval

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	AF	AG
1	Withdrawn	Doc-for
340	No	Approval
341	No	
342	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
343	No	Information
344	No	Decision
345	No	Decision
346	No	
347	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
348	No	Approval
349	No	Approval
350	No	Approval
351	No	Approval
352	No	Information
353	No	Approval
354	No	Approval
355	No	
356	No	Approval
357	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
358	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
359	No	Approval
360	No	
361	No	Approval
362	No	Information
363	No	Approval
364	No	

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	AF	AG
1	Withdrawn	Doc-for
365	No	Approval
366	No	
367	No	Approval
368	No	Approval
369	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
370	No	Approval
371	No	Approval
372	No	Approval
373	No	Approval
374	No	Approval
375	No	Approval
376	No	Approval
377	No	Approval
378	No	Approval
379	No	
380	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
381	No	Approval
382	No	Approval
383	No	Approval
384	No	Approval
385	No	Approval
386	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
387	No	Approval
388	No	Approval
389	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
390	No	Approval
391	No	Approval
392	No	
393	No	
394	No	Approval
395	No	
396	No	
397	No	Agreement

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	AF	AG
1	Withdrawn	Doc-for
398	No	Approval
399	No	Information
400	No	
401	No	
402	No	
403	No	
404	No	
405	No	Approval
406	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
407	No	Approval
408	No	
409	No	
410	No	
411	No	Information
412	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
413	No	Action
414	No	Approval
415	No	Information
416	No	Approval
417	No	Approval
418	Yes	Approval
419	No	Approval
420	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
421	No	
422	No	
423	No	Approval
424	No	Approval
425	No	Approval
426	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
427	No	Approval
428	No	Approval
429	No	Approval
430	No	Approval
431	No	Approval
432	No	Approval
433	No	Approval
434	No	Approval
435	No	Approval
436	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
437	No	Approval
438	No	Approval
439	No	Approval
440	No	Approval
441	No	Approval
442	No	Approval
443	No	Approval
444	No	Approval
445	No	Approval
446	No	Approval
447	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
448	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
449	No	Approval
450	No	
451	No	Approval
452	No	

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	AF	AG
1	Withdrawn	Doc-for
453	No	Approval
454	No	Approval
455	No	
456	No	
457	No	Approval
458	No	Information
459	No	Information
460	No	

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	AF	AG
1	Withdrawn	Doc-for
461	No	Decision

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	AF	AG
1	Withdrawn	Doc-for
462	Yes	Approval
463	No	Approval
464	No	

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	AF	AG
1	Withdrawn	Doc-for
465	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
466	No	
467	No	Approval
468	No	
469	No	
470	No	

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	AF	AG
1	Withdrawn	Doc-for
471	No	Approval
472	No	
473	No	
474	No	Action

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	AF	AG
1	Withdrawn	Doc-for
475	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
476	No	Decision
477	No	Endorsement

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	AF	AG
1	Withdrawn	Doc-for
478	No	Approval
479	No	Approval
480	No	Information
481	Yes	Approval
482	No	Approval
483	No	-
484	No	Decision
485	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
486	No	Decision

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	AF	AG
1	Withdrawn	Doc-for
487	No	Approval
488	No	Approval
489	No	Approval
490	No	Information
491	No	Approval
492	No	Approval
493	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
494	No	Approval
495	No	Approval
496	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
497	No	Decision
498	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
499	No	discussion
500	No	discussion
501	No	Approval
502	No	Approval
503	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
504	No	Approval
505	No	Decision
506	No	
507	No	Approval
508	No	Approval
509	No	Approval
510	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
511	No	Approval
512	No	Approval
513	No	Approval
514	No	Approval
515	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
516	No	Approval
517	No	Approval
518	No	Approval
519	Yes	Approval

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	AF	AG
1	Withdrawn	Doc-for
520	No	Approval
521	No	Approval
522	Yes	Approval
523	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
524	No	discussion
525	No	Approval
526	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
527	No	Approval
528	No	Approval
529	No	Approval
530	No	discussion
531	No	Approval
532	No	Approval
533	No	Approval
534	No	Approval
535	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
536	No	Approval
537	Yes	Approval
538	No	-
539	No	Approval
540	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
541	No	Approval
542	No	-
543	No	-
544	No	Approval
545	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
546	No	
547	Yes	Approval

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	AF	AG
1	Withdrawn	Doc-for
548	No	discussion

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	AF	AG
1	Withdrawn	Doc-for
549	No	Approval
550	No	Approval
551	No	-
552	No	discussion

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	AF	AG
1	Withdrawn	Doc-for
553	No	-
554	Yes	discussion
555	Yes	Approval
556	No	discussion
557	No	-
558	Yes	discussion
559	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
560	No	-
561	No	Approval

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	AF	AG
1	Withdrawn	Doc-for
562	No	discussion
563	No	discussion
564	No	Approval
565	No	Approval
566	No	Approval

Petitioners' Exhibit 1012
Nokia of America Corp., et al. v. KT Corporation, et al.
Case No. IPR2025-00036; U.S. Patent No. 11,627,631
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	AF	AG
1	Withdrawn	Doc-for
567	No	Approval
568	No	Approval
569	No	Approval
570	No	Approval
571	No	-
572	No	Approval

Petitioners' Exhibit 1012
Nokia of America Corp., et al. v. KT Corporation, et al.
Case No. IPR2025-00036; U.S. Patent No. 11,627,631
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	AF	AG
1	Withdrawn	Doc-for
573	No	discussion

Petitioners' Exhibit 1012
Nokia of America Corp., et al. v. KT Corporation, et al.
Case No. IPR2025-00036; U.S. Patent No. 11,627,631
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	AF	AG
1	Withdrawn	Doc-for
574	No	-
575	No	discussion
576	No	discussion
577	No	Approval
578	Yes	Approval
579	No	Approval
580	No	Approval
581	Yes	Approval
582	No	discussion
583	No	Approval
584	No	Approval

Petitioners' Exhibit 1012
Nokia of America Corp., et al. v. KT Corporation, et al.
Case No. IPR2025-00036; U.S. Patent No. 11,627,631
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	AF	AG
1	Withdrawn	Doc-for
585	No	Approval
586	No	discussion
587	No	discussion
588	Yes	Approval
589	No	Approval
590	No	Approval
591	No	Approval
592	No	

Petitioners' Exhibit 1012
Nokia of America Corp., et al. v. KT Corporation, et al.
Case No. IPR2025-00036; U.S. Patent No. 11,627,631
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	AF	AG
1	Withdrawn	Doc-for
593	No	Approval
594	No	-

Petitioners' Exhibit 1012
Nokia of America Corp., et al. v. KT Corporation, et al.
Case No. IPR2025-00036; U.S. Patent No. 11,627,631
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	AF	AG
1	Withdrawn	Doc-for
595	No	discussion
596	No	Approval

Petitioners' Exhibit 1012
Nokia of America Corp., et al. v. KT Corporation, et al.
Case No. IPR2025-00036; U.S. Patent No. 11,627,631
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	AF	AG
1	Withdrawn	Doc-for
597	No	-
598	No	discussion
599	No	Approval
600	Yes	Approval
601	No	-
602	Yes	Approval
603	No	-
604	No	Approval
605	No	Approval
606	No	Approval
607	No	Approval
608	No	Approval
609	No	Information
610	No	Approval
611	No	-

Petitioners' Exhibit 1012
Nokia of America Corp., et al. v. KT Corporation, et al.
Case No. IPR2025-00036; U.S. Patent No. 11,627,631
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	AF	AG
1	Withdrawn	Doc-for
612	No	-
613	No	discussion
614	No	Approval
615	No	discussion
616	No	Approval
617	No	Information
618	No	Approval
619	No	Approval

Petitioners' Exhibit 1012
Nokia of America Corp., et al. v. KT Corporation, et al.
Case No. IPR2025-00036; U.S. Patent No. 11,627,631
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	AF	AG
1	Withdrawn	Doc-for
620	No	Approval
621	No	Approval
622	No	Approval
623	No	Approval
624	No	Approval
625	No	Approval

Petitioners' Exhibit 1012
Nokia of America Corp., et al. v. KT Corporation, et al.
Case No. IPR2025-00036; U.S. Patent No. 11,627,631
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	AF	AG
1	Withdrawn	Doc-for
626	No	Approval
627	No	Approval
628	No	Approval
629	No	Approval
630	No	Approval
631	No	Approval
632	No	-

Petitioners' Exhibit 1012
Nokia of America Corp., et al. v. KT Corporation, et al.
Case No. IPR2025-00036; U.S. Patent No. 11,627,631
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	AF	AG
1	Withdrawn	Doc-for
633	No	discussion
634	No	Approval
635	No	Approval
636	No	-
637	No	Approval
638	No	Approval
639	No	-
640	No	Approval

Petitioners' Exhibit 1012
Nokia of America Corp., et al. v. KT Corporation, et al.
Case No. IPR2025-00036; U.S. Patent No. 11,627,631
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