

MCC Activity Report

Source TM

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A GLOBAL INITIATIVE

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Departures and Arrivals

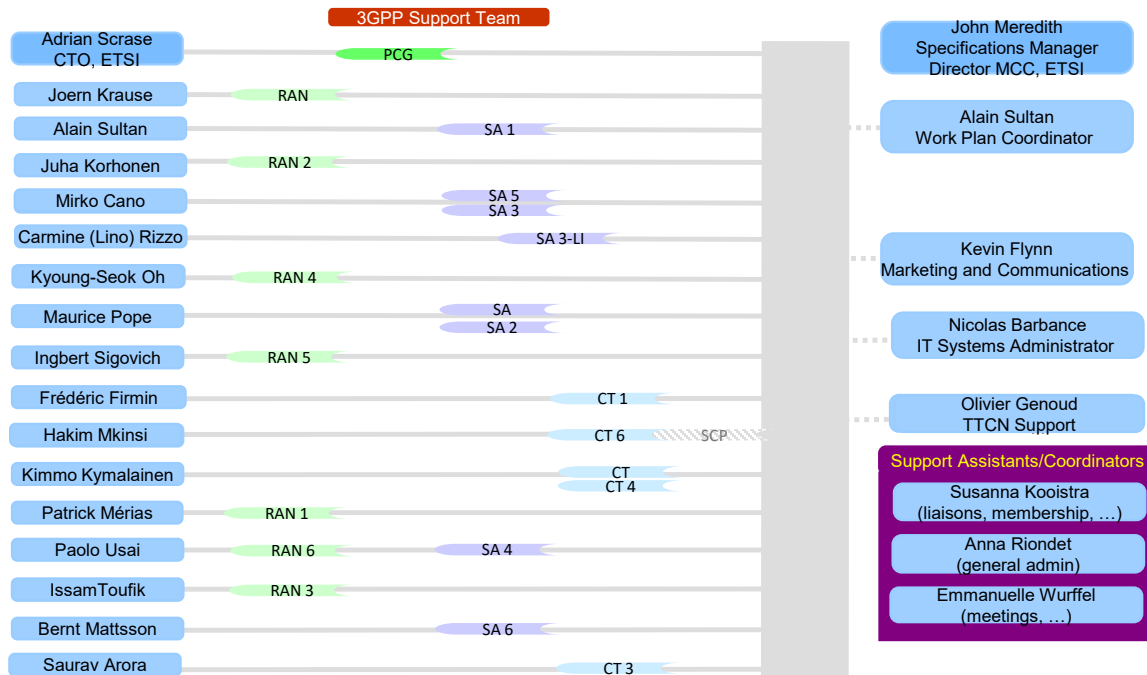


There have been no new departures or arrivals since PCG#38.

In accordance with the decision taken at PCG#38, a new Officer has been recruited to provide additional support to the RAN Working Groups.

The new Officer will be in post from 2 November 2017.

Resource Allocation



Workload: Change Requests

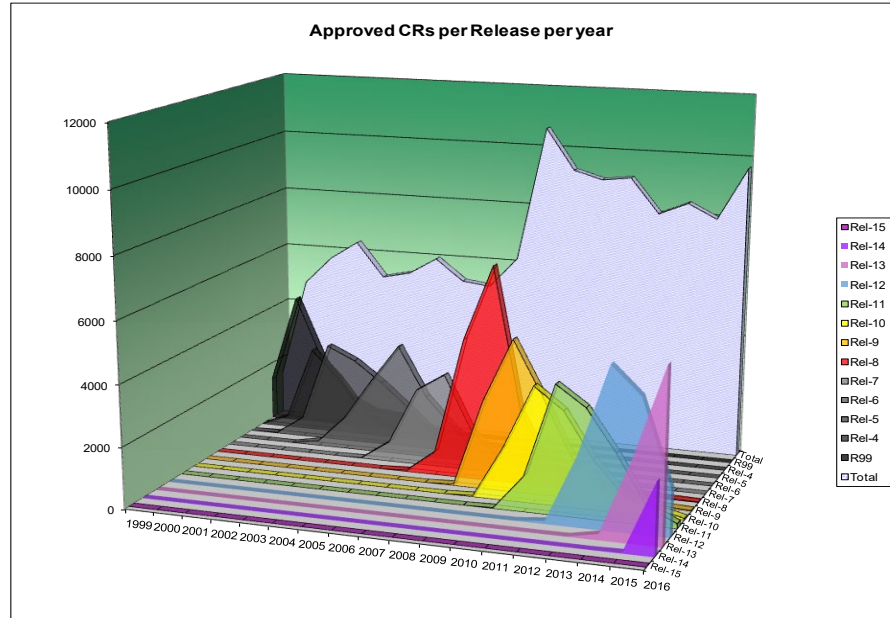


Approved CRs per Release per Year

Release	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017*	Total
R99	1408	4398	2266	1004	581	512	111	42	23	5	5	1	0							10356
Rel-4		376	2828	1900	690	257	122	63	48	22	20	13	11	8	7	2				6367
Rel-5		27	644	3274	2842	2162	1357	509	94	25	22	7	7	5	3	2				10980
Rel-6				172	1088	2458	3721	2074	1078	212	74	19	17	10	4	4				10931
Rel-7					1	20	663	2529	3132	1262	492	176	91	43	25	15				8449
Rel-8								49	777	4609	7073	2347	706	347	184	91	46	22	6	16257
Rel-9										49	2918	4991	3252	1366	376	165	70	26	17	13230
Rel-10											47	1722	3800	3103	1636	584	267	50	13	11222
Rel-11												32	1152	4178	3525	2186	622	163	22	11880
Rel-12													6	102	2254	5181	4287	1530	127	13487
Rel-13															8	200	2648	5571	1214	9641
Rel-14																	24	2315	3269	5608
Rel-15																		6	131	137
Total	1408	4801	5738	6350	5202	5409	5974	5266	5152	6184	10651	9308	9042	9162	8022	8430	7964	9683	4799	128545

* 2017 figures include the March and June Plenary meetings only

Workload: CRs



Workload: Committee Support



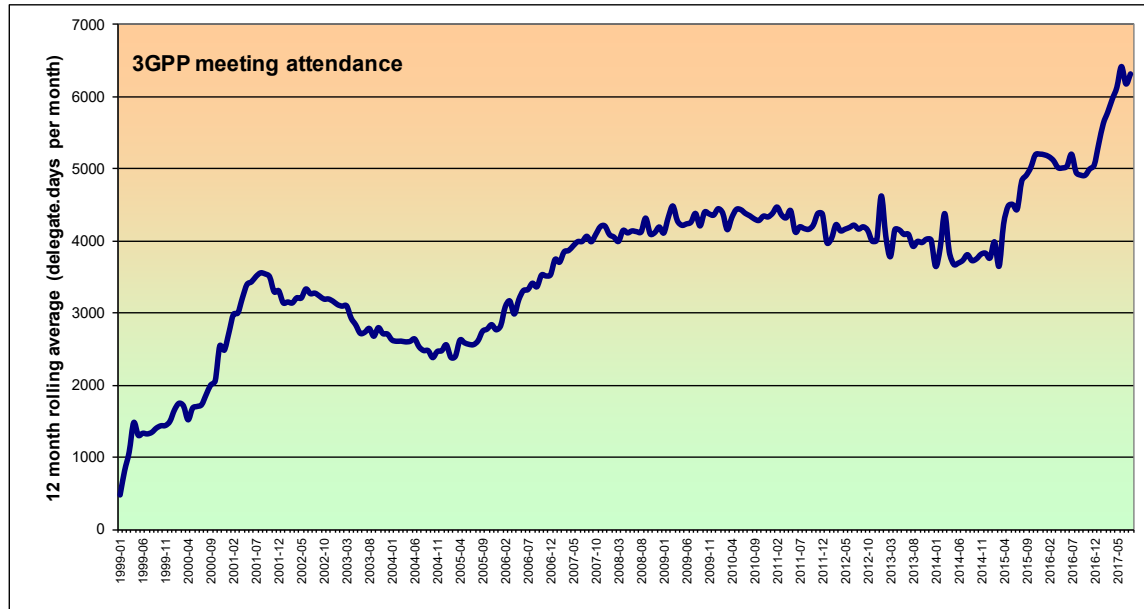
3GPP Working Groups continue to break all records irrespective of how their work is measured. IM numbers, delegate numbers, document numbers, CR numbers and the frequency of meetings are all on the increase. Moreover, many Working Groups continue to work late into the night and start early the following morning, despite the PCG guidance that has been issued on the subject.

PCG#38 agreed to increase the MCC headcount by one additional Officer, with the intention of alleviating the RAN Working Group workload. We have yet to see whether this increase will be sufficient to cope with the increasing workload or not.

We do not know what will happen into 2018 as Releases 15 and 16 become well underway. If the rate of increase in workload continues then the Partners will need to consider taking some action in response. Of course, the easy solution is just to further increase the support resources but this may not be the smartest move. Some consideration may need to be given to other, more sustainable, longer term solutions.

On a related subject, some Working Groups have grown so large that it is now becoming difficult to find willing meeting hosts and the colocation of Working Group meetings is becoming impractical.

Workload: meeting attendance over time



Check-in at meetings



At the June 2017 TSG plenaries, a disturbing tendency for delegates to check in on behalf of other delegates, having acquired those delegates' tokens, was noticed. MCC was tasked to investigate further.

In the WG and TSG meetings between November 2016 and May 2017, 450 instances of one delegate checking in on behalf of another, was detected. Those people were challenged to declare on their honour whether they had in fact participated in the meetings in question.

The vast majority of cases were justified by one of the parties not being able to perform his own check-ins because of:

- broken-down PC
- check in attempt apparently not working
- no access to local server due to company IT policy

A handful of delegates confessed they had not participated and asked for their check-ins to be deleted.

A very small number swore they were present but external evidence showed that their check-ins were almost certainly fraudulent.

The PCG may wish to note this situation.

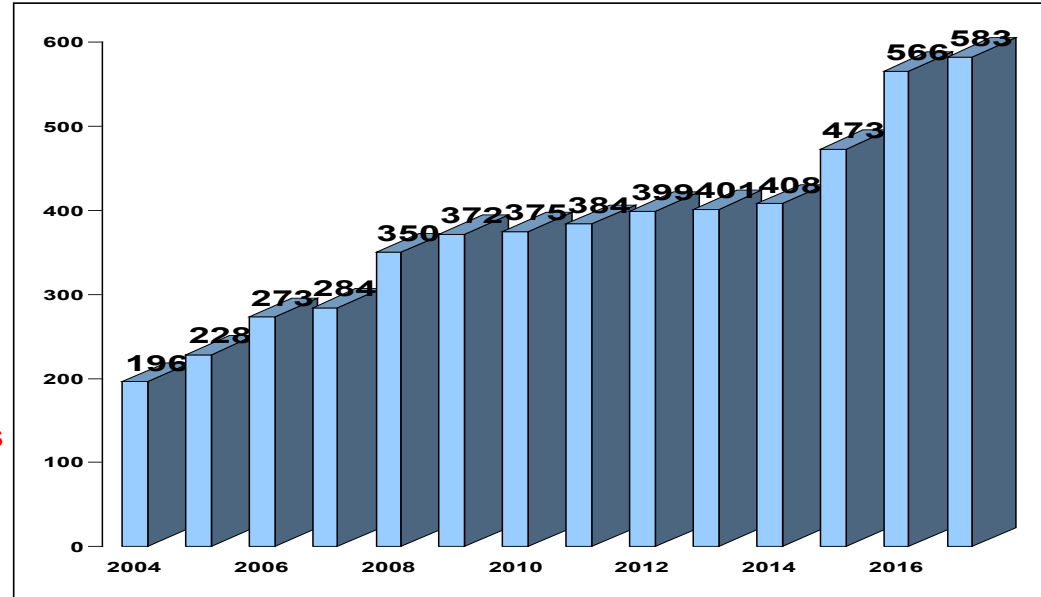
3GPP Membership



3GPP Membership currently stands at 583 Individual Members. In addition, there are 27 companies having Guest Status, which are potential IMs

Number of
Individual
Members in
3GPP

3GPP Individual
Members come
from 45 Countries
worldwide



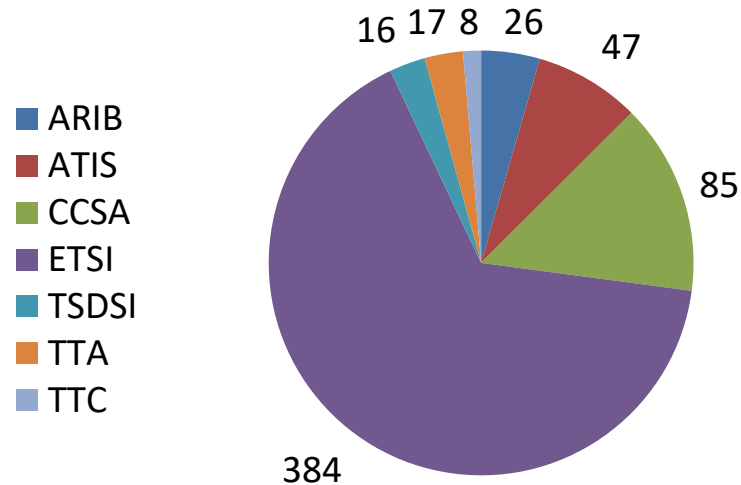
3GPP Member Territories



AUSTRALIA	DENMARK	ISRAEL	POLAND	SOUTH AFRICA
AUSTRIA	ESTONIA	ITALY	PORTUGAL	SPAIN
AZERBAIJAN	FINLAND	JAPAN	QATAR	SWEDEN
BELGIUM	FRANCE	KOREA (REPUBLIC OF)	ROMANIA	SWITZERLAND
BOTSWANA	GERMANY	LEBANON	RUSSIAN FEDERATION	TAIWAN, PROVINCE OF CHINA
BRAZIL	HONG KONG	LUXEMBOURG	SERBIA	TURKEY
CANADA	INDIA	MALAYSIA	SINGAPORE	UNITED ARAB EMIRATES
CHINA	INDONESIA	NETHERLANDS	SLOVAKIA	UNITED KINGDOM
CZECH REPUBLIC	IRELAND	NORWAY	SLOVENIA	UNITED STATES

3GPP Individual Members come from 45 countries worldwide

583 Individual Members in 3GPP



Antitrust Training



Three antitrust and competition law training sessions have taken place so far in 2017:

27 March:	convenient for European based leaders
03 May:	convenient for US based leaders
01 June:	convenient for Asian based leaders



It is intended to hold a further session during Autumn 2017

These sessions are currently aimed at the TSG Leadership, MCC and OP staff. The question has again been raised as to whether such training should be extended to delegates as well? Some guidance from the PCG would be welcomed on whether the scope of these training sessions should be extended or not.

Summary and Outlook



3GPP has continued to grow during 2017 with every indicator showing an upward trend. It is hard to predict how the project will grow in the next 12 -18 months.

The workload within the TSGs has increased since the last PCG and is predicted to continue doing so in order to meet the accelerated timeline for Release 15 and 16 delivery.

MCC resources are being increased in order to cope with this workload, but it is not clear whether this increase will be sufficient to meet future needs. If the growth does continue at the existing rate, then it may be necessary to consider a review of 3GPP working methods, rather than just increasing support resources. This situation will need to be closely monitored in the coming months.

3GPP has become the focal point for delivery of 5G standards and it is important to ensure that the workload within the TSGs (and therefore within MCC) remains manageable and that the quality of the specifications produced is not compromised.