CR-Form-v1

CHANGE REQUEST

⌘ TS 183 063 CR 011 ⌘ rev - ⌘ Current version: 3.1.0 ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Title: ⌘ WI3204_Procedures_for_Personalised_Service_Composition

Source to WG: ⌘ TNO & KPN

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Source to TB: ⌘ WG3

Work Item Ref: ⌘ WI3204 **Date:** ⌘ 21/08/2009

Category: ⌘ B **Release:** ⌘ Rel-3

Use one of the following categories:
- ***F*** *(correction)*
- ***A*** *(corresponds to a correction in an earlier release)*
- ***B*** *(addition of feature),*
- ***C*** *(functional modification of feature)*
- ***D*** *(editorial modification)*

Note: Detailed explanations of the above categories can be found in TISPAN Working Methods.

Use one of the following releases:
- *Rel-1 (Release 1)*
- *Rel-2 (Release 2)*
- *Rel-3 (Release 3)*

Reason for change: ⌘ TS 182 027 v3.2.6 clause 8.22 describes Personalised Service Composition(PSC). A PSC is a composition of multiple BC and or CoD sessions into a single Personalized Service Composition session. The composition enables the IPTV solution to reserve resources for the PSC as a whole, and to release the PSC as a whole.

This contribution includes PSC in TS 183 063. The key of PSC is the PSCid. This identifier is used for signalling between the UE and the SCF that a session is part of the identified PSC.

Revision 1 adds an eloboration on PSC creation and added the CR number.

Summary of change: ⌘ Including PSC in TS 183 063

Consequences if not approved: ⌘ PSC lacking in TS 183 063

Clauses affected: ⌘ 5.1

Other specs affected: ⌘

Y	N	
	X	Other TISPAN
	X	Other 3GPP
	X	O&M Deliverables

Other comments: ⌘

How to create CRs using this form:
Below is a brief summary about how to create CRs

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

Commented [H1]: Enter the ETSI deliverable number in this box. For example, "180 002". Do not prefix the number. i.e. do not use "TR TS EN DTR etc",

Commented [H2]: Enter the CR number here. This number is allocated by the ETSI Support Team. It consists of at least three digits, padded with leading zeros as necessary.

Commented [H3]: Enter the revision number of the CR here. If it is the first version, use a "-".

Commented [H4]: Enter the version of the deliverable here. This number is the version of the deliverable to which the CR will be applied if it is approved. Make sure that the latest version of the deliverable (of the relevant release) is used when creating the CR.

Commented [H5]: For help on how to fill out a field, place the mouse pointer over the special symbol closest to the field in question.

Commented [H6]: Enter a concise description of the subject matter of the CR. It should be no longer than one line. Do not use redundant information such as "Change Request number xxx to TISAPN TR xx.xxx".

Commented [H7]: One or more organizations (ETSI Members) which drafted the CR and are presenting it to the Working Group.

Commented [H8]: For CRs agreed at Working Group level, the identity of the WG. Use the format "WGn" where n = digit identifying the Working Group.

Commented [H9]: Enter the Work Item Reference in this box. For example, "00005". Do not prefix the number. i.e. do not use "DTR/TISPAN- or postfix -NGN-R2

Commented [H10]: Enter the date on which the CR was last revised. Format to be interpretable by English version of MS Windows ® applications, e.g. 19/02/2002.

Commented [H11]: Enter a single letter corresponding to the most appropriate category listed below. For more detailed help on interpreting these categories, see the TISPAN working Methods LINK IT

Commented [H12]: Enter a single release code from the list below.

Commented [H13]: Enter text which explains why the change is necessary.

Commented [H14]: Enter text which describes the most important components of the change. i.e. How the change is made.

Commented [H15]: Enter here the consequences if this CR was to be rejected. It is necessary to complete this section only if the CR is of category "F" (i.e. correction).

Commented [H16]: Enter the number of each clause which contains changes.

Commented [H17]: Tick "yes" box if any other specifications are affected by this change. Else tick "no". You MUST fill in one or the other.

Commented [H18]: List here other deliverables which are affected or the CRs which are linked.

Commented [H19]: Enter any other information which may be needed by the group being requested to approve the CR. This could include special conditions for it's approval which are not listed anywhere else above.

Commented [H20]: This is an example of pop-up text.

2) Obtain the latest version for the release of the deliverable to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All TISPAN deliverables can be downloaded from the docbox FTP server.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the deliverable just in front of the clause containing the first piece of changed text. Delete those parts of the deliverable which are not relevant to the change request.

--- Proposed change to TS 183 063 new clause 5.1.X ---

5.1.X Procedure for Personalised Service Composition

5.1.X.1 General

The Personalised Service Composition (PSC) service composes multiple BC and or CoD sessions into a PSC session. The PSCid is used to correlate the different BC/CoD sessions of the PSC.

5.1.X.2 Generation of the PSCid by the UE

The UE retrieves available services from SSF and composes a Personalized Service Composition (PSC). The PSC,is to be composed of multiple BC and/or CoD services,. The UE generates a PSCid and makes a record of it. The PSCid should be globally unique.

5.1.X.3 UE-initiated session initiation

For all UE-initiated sessions in the PSC, the UE shall include the PSCid in the SDP offer in the initial INVITE request.

- An a=PSCid:<PSCid> line indicates the PSCid

The UE shall correlate the session with the PSCid.

UE-initiated BC session initiation is specified in clause 5.1.3.1. UE-initiated CoD session initiation is specified in clause 5.1.4.2. Other types of IPTV sessions may also be used in a PSC, including an "empty" session that is used only to convey the PSCid.

5.1.X.4 SCF-initiated session initiation

When a UE receives an initial INVITE request from the SCF containing a PSCid, it shall check whether it already has a record of the indicated PSCid.

- If it does, then the UE shall correlate the session with the PSCid.
- If it does not, then the UE shall make a record of the PSCid and correlate the session with the PSCid.

Edotor's Note: Cross-references should be made to the clauses that specify SCF-initiated session initiation for BC, CoD and other IPTV sessions.

5.1.X.5 Session modification

Sessions within a PSC can be modified using normal session modification procedures, see e.g. clause 5.1.3.2. In case of UE-initiated modification of a session within a PSC, the UE shall include the PSCid in the SIP re-INVITE request or UPDATE request, depending on the dialogue state.

- An a=PSCid:<PSCid> line indicates the PSCid

The value of the PSCid may be different than in the original INVITE request, which indicates that the session is transferred to another PSC. The value of the PSCid may also be empty, which indicates that the session is removed from the PSC.

In case of an SCF-initiated session modification, the UE shall check the PSCid in the received re-INVITE request or UPDATE request. If the PSCid is different from the original PSCid for this session, this indicates that the session is transferred to another PSC. If the value of the PSCid is empty, this indicates that the session is removed from the PSC.

5.1.X.6 Session termination

Sessions within a PSC are terminated using normal session termination procedures, see e.g. clauses 5.3.1.4 and 5.3.2.4. When a session within a PSC is terminated, then the UE shall remove the correlation between that session and the PSCid. When the last session within a PSC is terminated, then the UE shall delete the record of the PSCid.

--- End of proposed change to TS 183 063 new clause 5.1.X ---

--- Proposed change to TS 183 063 new clause 5.3.Y ---

5.3.Y Procedure for Personalised Service Composition

5.3.Y.1 UE-initiated session initiation

When an SCF receives an initial INVITE request from the UE containing a PSCid, it shall check whether it already has a record of the indicated PSCid.

- If it does, then the SCF shall correlate the session with the PSCid.
- If it does not, then the SCF shall make a record of the PSCid and correlate the session with the PSCid.

In both cases, the SCF may perform service logic associated with the PSC, e.g. SCF-initiated session initiation, see clause 5.3.Y.2.

5.3.Y.2 SCF-initiated session initiation

When the SCF initiates a session within a PSC, it shall include the PSCid in the SDP offer in the initial INVITE request. The PSCid should be globally unique.

- An a=PSCid:<PSCid> line indicates the PSCid

The SCF shall correlate the session with the PSCid.

Edotor's Note: Cross-references should be made to the clauses that specify SCF-initiated session initiation for BC, CoD and other IPTV sessions.

5.3.Y.3 Session modification

Sessions within a PSC can be modified using normal session modification procedures, see e.g. clause 5.3.1.2. In case of SCF-initiated modification of a session within a PSC, the SCF shall include the PSCid in the SIP re-INVITE request or UPDATE request, depending on the dialogue state.

- An a=PSCid:<PSCid> line indicates the PSCid

The value of the PSCid may be different than in the original INVITE request, which indicates that the session is transferred to another PSC. The value of the PSCid may also be empty, which indicates that the session is removed from the PSC.

In case of an UE-initiated session modification, the SCF shall check the PSCid in the received re-INVITE request or UPDATE request. If the PSCid is different from the original PSCid for this session, this indicates that the session is transferred to another PSC. If the value of the PSCid is empty, this indicates that the session is removed from the PSC.

5.3.Y.4 Session termination

Sessions within a PSC are terminated using normal session termination procedures, see e.g. clauses 5.1.3.4 and 5.1.4.4. When a session within a PSC is terminated, then the SCF shall remove the correlation between that session and the PSCid. When the last session within a PSC is terminated, then the SCF shall delete the record of the PSCid.

--- End of proposed change to TS 183 063 new clause 5.3.Y ---