**3GPP TSG- Meeting #**

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| *CR-Form-v12.2* |
| **CHANGE REQUEST** |
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|  |  | **CR** |  | **rev** |  | **Current version:** |  |  |
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| *For* [***HE******LP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* |
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| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network | **X** |

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| ***Title:***  |  |
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| ***Source to WG:*** |  |
| ***Source to TSG:*** |  |
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| ***Work item code:*** |  |  | ***Date:*** |  |
|  |  |  |  |  |
| ***Category:*** |  |  | ***Release:*** |  |
|  | *Use one of the following categories:****F*** *(correction)****A*** *(mirror corresponding to a change in an earlier release)****B*** *(addition of feature),* ***C*** *(functional modification of feature)****D*** *(editorial modification)*Detailed explanations of the above categories canbe found in 3GPP [TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). | *Use one of the following releases:Rel-8 (Release 8)Rel-9 (Release 9)Rel-10 (Release 10)Rel-11 (Release 11)…Rel-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)Rel-19 (Release 19)* |
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| ***Reason for change:*** | This contribution provides details on the generation and delivery of xCC from the CC-POI in the RCS Server. |
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| ***Summary of change:*** | Adds details for the generation and delivery of xCC from the CC-POI in the RCS Server. |
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| ***Consequences if not approved:*** | RCS content will not be deliverable. |
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| ***Clauses affected:*** | 7.13.Y, 7.13.Z |
|  |  |
|  | **Y** | **N** |  |  |
| ***Other specs*** |  | **X** |  Other core specifications  | TS/TR ... CR ...  |
| ***affected:*** |  | **X** |  Test specifications | TS/TR ... CR ...  |
| ***(show related CRs)*** |  | **X** |  O&M Specifications | TS/TR ... CR ...  |
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| ***Other comments:*** | This CR is associated with the following changes in the Forge:Merge request: [!241](https://forge.3gpp.org/rep/sa3/li/-/merge_requests/241) Commit hash: [651c79f528d97dd0bd6a7710c023d1c11b4fa732](https://forge.3gpp.org/rep/sa3/li/-/merge_requests/241/diffs?commit_id=651c79f528d97dd0bd6a7710c023d1c11b4fa732) |
|  |  |
| ***This CR's revision history:*** | s3i240017 |

## \*\*\*\* START OF FIRST CHANGE (MAIN DOCUMENT) \*\*\*\*

### 7.13.Y Generation of xCC over LI\_X3

#### 7.13.Y.1 General

As described in TS 33.127 [5] clause 7.13, content for RCS may be present in the RCS Server, the HTTP Content Server or the File Localisation Server.

Where generation of xCC for RCS services is required, the following clauses apply. As a deployment option, RCS content may alternatively be delivered as xIRI over LI\_HI2 as defined in clauses 7.13.3.3 and 7.13.3.4.

The interception of content at the RCS Server is covered in clause 7.13.Y.2. When interception at the RCS Server is not possible (e.g. when the RCS Server is provided by a third party), RCS Content may alternatively be intercepted in IMS as described in clause 7.12.6.The interception of content at the HTTP Content Server is FFS and will be described in clause 7.13.Y.3.

The interception of content at the File Localisation Server is FFS and will be described in clause 7.13.Y.4.

#### 7.13.Y.2 Generation of xCC at the CC-POI in the RCS Server

The CC-POI present in the RCS Server shall send xCC over LI\_X3 for any of the RCS events listed in TS 33.127 [5] clause 7.13.4.1 where content is available.

When the RCS contents consist of a SIP Message, the xCC payload shall consist of the RCS contents given as a SIP message as described in ETSI TS 103 221-2 [8] clause 5.4.10. The payload format shall be set to "SIP Message" (value 9).

When the RCS contents consist of an MSRP Message, the xCC payload shall consist of the RCS contents given as an MSRP Message as described in ETSI TS 103 221-2 [8] clause 5.4.14. The payload format shall be set to "MSRP Message" (value 13).

When the RCS contents consist of a MIME Entity, the xCC payload shall consist of the RCS contents given as a MIME encoded document as described in ETSI TS 103 221-2 [8] clause 5.4.16. The payload format shall be set to "MIME Message" (value 15).

#### 7.13.Y.3 Generation of xCC at the CC-POI in the HTTP Content Server

The interception of content at the HTTP Content Server is not described in the present document.

#### 7.13.Y.4 Generation of xCC at the CC-POI in the File Localisation Server

The interception of content at the File Localisation Server is not described in the present document.

#### 7.13.Y.5 Payload direction

The CC-POI shall set the payload direction to indicate the direction of the message containing the content being reported as xCC delivered to the MDF3 as described in ETSI TS 103 221-2 [8] clause 5.2.6.

### 7.13.Z Generation of CC over LI\_HI3

Where generation of CC for RCS services is required, the following clause applies. As a deployment option, RCS content may alternatively be delivered as IRI over LI\_HI2 as defined in clause 7.13.4.

When xCC is received over LI\_X3 from a CC-POI, the MDF3 shall deliver the CC over LI\_HI3 to the LEMF according to the clause 5.5.3 without undue delay.

The MDF3 shall populate the threeGPP33128DefinedCC field with a CCPDU structure containing RCSCCPDU.

When the payload format of the xCC received over LI\_X3 is "SIP Message" (value 9), the CC shall be mediated as *RCSCCPDU.encapsulatedRCSPayload.sIP.*

When the payload format of the xCC received over LI\_X3 is "MSRP Message" (value 13), the CC shall be mediated as *RCSCCPDU.encapsulatedRCSPayload.mSRP.*

When the payload format of the xCC received over LI\_X3 is "MIME Message" (value 15), the CC shall be mediated as *RCSCCPDU.encapsulatedRCSPayload.mIME.*

The MDF3 shall populate the timeStamp field of the ETSI TS 102 232-1 [9] PSHeader structure of CC with the xCC timeStamp and the Payload Direction of the CCPayload structure to reflect the value received on xCC. The LIID and CID fields shall correctly reflect the target identity and communication session to which the CC belongs.

## \*\*\*\* END OF MAIN DOCUMENT CHANGES \*\*\*\*

## \*\*\*\* START OF FIRST CHANGE (ATTACHMENTS) \*\*\*\*

---a/33128/r18/TS33128Payloads.asn
+++b/33128/r18/TS33128Payloads.asn

@@ -527,7 +527,8 @@ CCPDU ::= CHOICE

527 527 nIDDCCPDU [4] NIDDCCPDU,

528 528 pTCCCPDU [5] PTCCCPDU,

529 529

530 - iMSCCPDU [6] IMSCCPDU

 530 + iMSCCPDU [6] IMSCCPDU,

 531 + rCSCCPDU [7] RCSCCPDU

531 532 }

532 533

533 534 -- ===========================

@@ -4441,6 +4442,10 @@ RCSCapabilityDiscovery ::= SEQUENCE

4441 4442 location [5] Location OPTIONAL

4442 4443 }

4443 4444

 4445 + RCSCCPDU ::= CHOICE

 4446 + {

 4447 + encapsulatedRCSPayload [1] EncapsulatedRCSPayload

 4448 + }

4444 4449

4445 4450 -- ==============

4446 4451 -- RCS Parameters

## \*\*\*\* END OF ALL CHANGES \*\*\*\*