**3GPP TSG-SA5 Meeting #140-e *S5-216073***

**e-meeting, 15 - 24 November 2021**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **32.281** | **CR** | **0011** | **rev** | **-** | **Current version:** | **17.0.0** |  |
|  | | | | | | | | |
| *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:*** | Addition of IMS converged charging announcement | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Ericsson LM | | | | | | | | | |
| ***Source to TSG:*** | S5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5GSIMSCH | | | | |  | ***Date:*** | | | 2021-11-04 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***Release:*** | | | Rel-17 |
|  | *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 can be 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-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
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| ***Reason for change:*** | | Adding the IMS announcement types for converged charging | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | The initial IMS announcement for converged charging. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | IMS announcements cannot be supported by converged charging. | | | | | | | | |
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| ***Clauses affected:*** | | 6.2.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

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| **First change** |

### 6.2.2 Definition of Announcement Information

Announcement Information is provided within the Multiple Unit Operation/Information.

The detailed structure of the Announcement Information can be found in table 6.2.2.1 for Multiple Unit Operation and in table 6.2.2.x for Multiple Unit Information.

Table 6.2.2.1: Structure of the announcement Information for Multiple Unit Operation

| Information Element | Category | Description |
| --- | --- | --- |
| Announcement Identifier | OM | A code identifying the announcement to be played. |
| Variable Part Sequence | OC | Sequence of elements specifying each variable part (order, type, and value) to be played back during the announcement. The following types are supported: Integer, Number, Time, Date, Currency. |
| Time Indicator | OC | Instructs the announcement to be connected at the specified time before granted quota is exhausted, which ranges from zero to a value smaller than the granted quota.    A value of zero means at the time quota is exhausted. Absence of this field indicates that the announcement is to be played before the IMS session is allowed to continue. |
| Quota Indicator | OC | Indicates whether the granted quota should be deducted during announcement setup and playback or if the quota usage is suspended while the announcement is setup and played back. If not explicitly indicated, it is up to the logic implemented in the receiving node to use or not the granted quota. |
| Announcement Order | OC | When multiple announcement information blocks are provided in a single message with the same timing indicator, the announcement order indicates the order in which announcements should be connected for playback. |
| Play Alternative | OC | Identifies either the "served party" or the "remote party" to which the announcement is to be played. |
| Privacy Indicator | OC | Identifies if the announcement is "private" or "not private". |
| Language | OC | A language code indicating the language of the announcement that should be played. |

Table 6.2.2.x: Structure of the announcement Information Multiple Unit Information

| Information Element | Converged Charging Category | Description |
| --- | --- | --- |
| Announcement Identifier | OM | Identifying the announcement to be played. |
| Announcement Reference | OM | The reference to where more information in regard to the announcement can be found, this can be a URI or refence to the standard where it's specified. |
| Variable Part List | OC | List of elements specifying each variable part (order, type, and value) to be played back during the announcement. |
| Time To Play | OC | Instructs the announcement to be played at the specified time before granted time units are exhausted.  If the value is set to zero, the announcement is to be played at time when time quota is exhausted.  If the field is not present, it indicates that the announcement is to be played immediately. |
| Quota Consumption Indicator | OC | Indicates whether the granted quota should be consumed during announcement setup and played or not.  If the field is not present, the quota consumption is receiver dependent. |
| Announcement Priority | OC | When multiple announcement information blocks are provided in a single message with the same timing indicator, the announcement priority indicates the priority order in which announcements is to be played. |
| Play To Party | OC | Identifies the party to which "served party" or the "remote party" to which the announcement is to be played.  If the field is not present, it is to be played to “served party”. |
| Announcement Privacy Indicator | OC | Indicates if the announcement is "private" or "not private".  If the field is not present, it is “private”. |
| Language | OC | A language tag indicating the language of the announcement to be played.  If the field is not present, the language is receiver dependent. |

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| **End of changes** |