**3GPP TSG-SA5 Meeting #148e *S5-233251***

**Online, ,17 April 2023 – 25 April 2023**

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| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **32.257** | **CR** |  **0005** | **rev** | **1** | **Current version:** | **17.2.0** |  |
|  |
| *For* [***HELP***](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:***  | Rel-17 CR 32.257 Add LCM Event Type in EAS Deployment Charging Info |
|  |  |
| ***Source to WG:*** | Amdocs |
| ***Source to TSG:*** | S5 |
|  |  |
| ***Work item code:*** | EDGE\_CH |  | ***Date:*** | 2023-04-06 |
|  |  |  |  |  |
| ***Category:*** | **F** |  | ***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 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-15 (Release 15)Rel-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)* |
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| ***Reason for change:*** | LCM Event Type is missing in EAS Deployment Charging Information  |
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| ***Summary of change:*** | EAS Deployment Charging can be triggered at various LCM events e.g. EAS Instantiation, EAS Upgrade or EAS Termination. An identification for the event type needs to be added to EAS Deployment Charging Information container |
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| ***Consequences if not approved:*** | There can be confusion on the implementation of EAS Deployment Charging events between CHF and consumers. |
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| ***Clauses affected:*** | 5.1.4.3, 6.2.2.1.2  |
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|  | **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 32.291 CR 0466 TS 32.298 CR 0929 |
|  |  |
| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

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| **First change** |

#### 5.1.4.3 Charging information

Charging information for EAS deployment charging is collected for each EAS by the CEF from the MnS.

The CEF collects the following charging information for converged charging of EAS deployment charging:

- EAS deployment requirements: the requirements for EAS deployment (e.g. the topological or geographical service areas, software image information), see 3GPP TS 28.538 [12];

- EAS: the charging information identifying the EAS which the LCM is for;

- EDN: the charging information identifying the EDN where the EAS is/was deployed;

- LCM Event Type: the charging information identifying the LCM event type e.g. EAS instantiation, EAS upgrade or EAS termination.

- LCM start time: the charging information indicating the start time of the LCM process;

- LCM end time: the charging information indicating the end time of the LCM process.

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| **Second change** |

##### 6.2.2.1.2 Definition of EAS deployment specific charging information

Specific charging information used for EAS deployment charging is provided within the EAS Deployment Charging Information.

The detailed structure of the EAS Deployment Charging Information can be found in table 6.2.2.1.2-1.

Table 6.2.2.1.2-1: Structure of EAS Deployment Charging Information

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| Information Element | Category | Description |
| EAS Deployment Requirements | OC | This field holds the EAS Deployment Requirements, see 3GPP TS 28.538 [12], including the Required EAS Serving Location, Software Image Info, Affinity Anti Affinity ,Service Continuity and virtual Resource. |
| LCM Event Type | Oc | This field specifies the LCM event type e.g. EAS instantiation, EAS upgrade or EAS termination |
| LCM Start Time | M | This field holds the start time of the EAS LCM process, see Start Time in clause 8.3.6.5 Type measJobInfo-ResourceType in 3GPP TS 28.550 [14]. |
| LCM End Time | M | This field holds the end time of the EAS LCM process, see Stop Time in clause 8.3.6.5 Type measJobInfo-ResourceType in 3GPP TS 28.550 [14]. |

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| **End of changes** |