**3GPP TSG-SA5 Meeting #132e *S5-204168***

**e-meeting 17th 28th August 2020**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **32.290** | **CR** | **0127** | **rev** | **1** | **Current version:** | **16.4.0** |  |
|  | | | | | | | | |
| *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:*** | Missing handling of resource at failure | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Ericsson | | | | | | | | | |
| ***Source to TSG:*** | S5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI16, 5GS\_Ph1-SBI\_CH | | | | |  | ***Date:*** | | | 2020-08-06 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-16 |
|  | *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-12 (Release 12)* *Rel-13 (Release 13) Rel-14 (Release 14) Rel-15 (Release 15) Rel-16 (Release 16)* | |
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| ***Reason for change:*** | | How the resources created in the CHF can be handled in failure situations is mixed with session handling. | | | | | | | | |
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| ***Summary of change:*** | | Clarifying the session id and resource can be handled in the failure case. | | | | | | | | |
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| ***Consequences if not approved:*** | | Undefined handling of the resource and session ids may lead to interoperability issues. | | | | | | | | |
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| ***Clauses affected:*** | | 5.5.1.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | | First revision of S5-204168 | | | | | | | | |

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| **First change** |

#### 5.5.1.2 CHF detected failure

When no Charging Data Request have been received by the CHF within a configurable time, the CHF shall close the CDR and may remove resources.

A Charging Data Request [Initial] received by a CHF, which can be associated to an existing charging session (i.e. resource in CHF), shall be handled as a valid request and be answered with Charging Data Response [Initial] with the same or a new charging session id (i.e. resource id).

A Charging Data Request [Update] received by a CHF, which cannot be associated to any existing charging session (i.e. resource in CHF), shall be handled as a valid request with the associated resource creation and quota usage handling. If a charging session id (i.e. resource id) is included the CHF may use it or create a new.

A Charging Data Request [Termination] received by a CHF, which cannot be associated to any existing charging session (i.e. resource in CHF), shall be handled as a valid request with associated new resource creation, and optional corresponding CDR creation. If a charging session id (i.e. resource id) is included the CHF may use it or create a new.

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| **End of changes** |