**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** |  |
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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:***  | Missing handling of resource at failure |
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| ***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 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-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 |
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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/TR ... CR ...  |
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| ***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** |