**3GPP TSG-SA5 Meeting #133e *S5-205082r3***

**e-meeting 12th Oct-21st Oct 2020** Revision of S5-20xxxx

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| *CR-Form-v11.4* | | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | | |
|  | | | | | | | | | |
|  | **32.290** | **CR** | **0132** | **rev** | **1** | **Current version:** | **16.5.0** |  |
|  | | | | | | | | | |
| *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:*** | Failure handling for InvocationSequemceNumber | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei | | | | | | | | | |
| ***Source to TSG:*** | S5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI16, 5GS\_Ph1-SBI\_CH | | | | |  | ***Date:*** | | | 2020-10-15 |
|  |  | | | |  | |  | | |  |
| ***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)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | In stage 2, the default vavule of InvocationSequenceNumber and increasing degree should be clarified. | | | | | | | | |
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| ***Summary of change:*** | | Add the corresponding failure handling description for InvocationSequenceNumber | | | | | | | | |
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| ***Consequences if not approved:*** | | The default vavule of InvocationSequenceNumber is missing. | | | | | | | | |
|  | |  | | | | | | | | |
| ***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:*** | |  | | | | | | | | |

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| **First change** |

#### 5.5.1.2 CHF detected failure

The CHF closes a CDR and all the reserved resources are freed for the charging session when it detects that expected charging data request for a particular session have not been received for a period of time. The charging session may be kept or released based on local configuration.

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 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.

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.

The Invocation Sequence Number in Charging Data Request [Initial] starting with anything else than 0 or 1 is faulty and shall be rejected by CHF.

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| **End of change** |