**3GPP TSG-SA5 Meeting #140-e *S5-216320***

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

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  |  | **CR** |  | **rev** |  | **Current version:** | **17.2.0** |  |
|  | | | | | | | | |
| *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)*.* | | | | | | | | |
|  | | | | | | | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network | **X** | Core Network |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | DAPS handover services and procedures | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Ericsson | | | | | | | | | |
| ***Source to TSG:*** | S5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** |  | | | | |  | ***Date:*** | | | 2021-11-05 |
|  |  | | | |  | |  | | |  |
| ***Category:*** |  |  | | | | | ***Release:*** | | |  |
|  | *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)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Add services and procedures in order to complete DAPS handover. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Add services and procedures for DAPS handover. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 7.1.z, 7.1.z.1, 7.1.z.2, 7.1.z.2.1, 7.1.z.2.2, 7.1.z.3, 7.1.z.3.1, 8.2.w | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **X** | Other core specifications | | | |  | | |
| ***affected:*** | |  | **X** | Test specifications | | | |  | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | |  | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | | This is input to the Rel-17 28.313 draft CR for WI E\_HOO. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

|  |
| --- |
| **First change** |

### 7.1.z MRO for DAPS handover

#### 7.1.z.1 MnS component type A

MRO for DAPS handover re-uses the component A for MRO, see clause 7.1.2.1.

#### 7.1.z.2 MnS Component Type B definition

##### 7.1.z.2.1 Control information

The parameter is used to control the DAPS handover function.

Table 7.1.z.2.1-1: MRO for DAPS handover control

| Control parameter | Definition | Legal Values |
| --- | --- | --- |
| DAPS HO function control | This attribute allows the operator to enable/disable the DAPS HO functionality. See attribute dapsHoControl in TS 28.541 [13]. | Boolean  On, off |

##### 7.1.z.2.2 Parameters to be updated

MRO for DAPS handover re-uses the same parameters to be updated as MRO, see clause 7.1.2.2.3.

#### 7.1.z.3 MnS Component Type C definition

##### 7.1.z.3.1 Performance measurements

Performance measurements related to MRO for DAPS handover are captured in Table 7.1.z.3.1.-1:

Table 7.1.z.3.1-1. MRO for DAPS handover related performance measurements

| Performance measurements | Description | Note |
| --- | --- | --- |
| Number of requested DAPS handover preparations | Counts the number of successful and unsuccessful inter-gNB DAPS handover preparations sent (see TS 28.552 clause 5.1.1.6.x.1) |  |
| Number of successful DAPS handover preparations | Counts the number of unsuccessful inter-gNB DAPS handover preparations sent (see TS 28.552 clause 5.1.1.6.x.2) |  |
| Number of failed DAPS handover preparations | Counts the number of unsuccessful inter-gNB DAPS handover preparations sent (see TS 28.552 clause 5.1.1.6.x.3) |  |
| Number of requested DAPS handover resource allocations | Counts the number of successful and unsuccessful inter-gNB DAPS handover preparations (see TS 28.552 clause 5.1.1.6.x.4) |  |
| Number of successful DAPS handover resource allocations | Counts the number of successful inter-gNB DAPS handover preparations (see TS 28.552 clause 5.1.1.6.x.5) |  |
| Number of failed DAPS handover resource allocations | Counts the number of unsuccessful inter-gNB DAPS handover preparations (see TS 28.552 clause 5.1.1.6.x.6) |  |
| Number of requested DAPS handover executions | Counts the number of outgoing inter-gNB DAPS handover candidates requested (see TS 28.552 clause 5.1.1.6.x.7) |  |
| Number of successful DAPS handover executions | Counts the number of successful inter-gNB DAPS handover executions received (see TS 28.552 clause 5.1.1.6.x.8) |  |
| Number of failed DAPS handover executions | Counts the the number of failed inter-gNB DAPS handover executions received (see TS 28.552 clause 5.1.1.6.x.9) |  |
| Number of DAPS handover requested | Counts the number of outgoing intra-gNB DAPS handovers requested (see TS 28.552 clause 5.1.1.6.y.1) |  |
| Number of successful DAPS handovers | Counts the number of successful intra-gNB DAPS handovers (see TS 28.552 clause 5.1.1.6.y.2) |  |
| Number of requested DAPS handover preparations | Counts the number of outgoing intra-gNB DAPS handover preparations requested, for a split gNB deployment (see TS 28.552 clause 5.1.3.7.1.a) |  |
| Number of successful DAPS handover preparations | Countes the number of successful intra-gNB DAPS handover preparations, for a split gNB deployment (see TS 28.552 clause 5.1.3.7.1.b) |  |

|  |
| --- |
| **Next change** |

### 8.2.w MRO for DAPS handover

MRO for DAPS handover re-uses the same procedures as for MRO, see clause 8.2.2.

|  |
| --- |
| **End of changes** |