**3GPP TSG-SA5 Meeting #129-e *S5-201341***

**Online, , 24th Feb 2020 - 4th Mar 2020**

|  |
| --- |
| *CR-Form-v12.0* |
| **CHANGE REQUEST** |
|  |
|  | **32.255** | **CR** | **0141** | **rev** | **1** | **Current version:** | **16.3.0** |  |
|  |
| *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 |  | Core Network | **X** |

|  |
| --- |
|  |
| ***Title:***  | EPS to 5GS handover using N26 interface with I-SMF |
|  |  |
| ***Source to WG:*** | Ericsson |
| ***Source to TSG:*** | S5 |
|  |  |
| ***Work item code:*** | ETSUN |  | ***Date:*** | 2020-02-14 |
|  |  |  |  |  |
| ***Category:*** | **B** |  | ***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)* |
|  |  |
| ***Reason for change:*** | Missing EPS to 5GS handover using N26 interface with I-SMF insertion procedure related charging message flow. |
|  |  |
| ***Summary of change:*** | Adding EPS to 5GS handover using N26 interface with I-SMF insertion procedure related charging message flow. |
|  |  |
| ***Consequences if not approved:*** | Cannot supporting charging procedure for EPS to 5GS handover using N26 interface with I-SMF insertion. |
|  |  |
| ***Clauses affected:*** | 5.2.2.14.x (new) |
|  |  |
|  | **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 change** |

##### 5.2.2.14.y EPS to 5GS handover using N26 interface with I-SMF insertion

When EPS to 5GS handover using N26 interface in idle mode, procedure in TS23.502 clause 4.23.12.3 is applicable.

When EPS to 5GS handover using N26 interface in active mode, procedure in TS23.502 clause 4.23.12.7 is applicable.

Upon UE moves from EPS service area to I-SMF service area, with both RAT Type change and I-SMF insertion triggered, PGW-C+SMF and CHF conduct below charging procedures:

x.ch-a. All counts are closed in PGW-C+SMF with a Charging Data Request [Update] message including I-SMF information and both “RAT Type change” and “insertion of I-SMF” triggers are sent to CHF, if required by immediate report category trigger. New counts and time stamps for all active service data flows are started in the PGW-C+SMF.

x.ch-b. The CHF could updates CDR for this PDU session.

x.ch-c. The CHF acknowledges by sending Charging Data Response [Update] message to the PGW-C+SMF.

NOTE 1: x refers to the last message step number with I-SMF insertion in the detail message flows in TS23.502 clause 4.23.12.3 or clause 4.23.12.7.

|  |
| --- |
| **End of change** |