**3GPP TSG-CT WG1 Meeting #125-eC1-204884**

**Electronic meeting, 20-28 August 2020**

|  |
| --- |
| *CR-Form-v12.0* |
| **CHANGE REQUEST** |
|  |
|  | **24.008** | **CR** | **3232** | **rev** | **-** | **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)*.* |
|  |

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

|  |
| --- |
|  |
| ***Title:***  |  |
|  |  |
| ***Source to WG:*** | BlackBerry UK Ltd. |
| ***Source to TSG:*** | C1 |
|  |  |
| ***Work item code:*** | 5GProtoc16 |  | ***Date:*** | 2020-08-13 |
|  |  |  |  |  |
| ***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)* |
|  |  |
| ***Reason for change:*** | Reason for inclusion in Rel-16:* **Rel-16**
	+ In scope:
		- …
		- Complete work that has been started

TS 24.501, CR2299, and TS 24.301, CR#3400, have introduced further procedures applicable when transferring emergency sessions from NG-RAN to E-UTRAN (and v.v.)Description of Request type values are outdated as they do not consider transfer sessions from NG-RAN to E-UTRAN (and v.v.). |
|  |  |
| ***Summary of change:*** | Update description of Request type valuesDelete superfluous carriage returns in 10.5.6.16Add missing “i” in 10.5.6.17 |
|  |  |
| ***Consequences if not approved:*** | Inconsistent specifications: TS 24.301 and TS 24.501 permit usage of the request type to indicate transfer from NG-RAN to E-UTRAN. |
|  |  |
| ***Clauses affected:*** | 10.5.6.16, 10.5.6.17 |
|  |  |
|  | **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:*** | Removed DN acronymnRemoved “transfer of a PDN connection from S1 to N1 mode” |

\*\*\* First change \*\*\*

#### 10.5.6.16 Enhanced network service access point identifier

The purpose of the *Enhanced network service access point identifier* information element is to identify the service access point that is used at layer 3.

The *Enhanced network service access point identifier* is a type 3 information element with a length of 2 octets.

The value part of an *Enhanced network service access point identifier* information element is coded as shown in figure 10.5.157/3GPP TS 24.008 and table 10.5.171/3GPP TS 24.008.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |  |
| Enhanced NSAPI IEI | octet 1 |
| Enhanced NSAPIvalue | octet 2 |
|  |

Figure 10.5.157/3GPP TS 24.008: *Enhanced network service access point identifier* information element

Table 10.5.171/3GPP TS 24.008: *Enhanced n*e*twork service access point identifier* information element

|  |
| --- |
| Enhanced NSAPI value (octet 2, bits 1 to 7) |
|  |
| Bits |
| 8 | 7 | 6 | 5 | 4 | 3 | 2 | **1** |  |
|  |  |  |  |  |  |  |  |  |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Reserved |
| through |  |
| 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | Reserved |
|  |  |  |  |  |  |  |  |  |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NSAPI 128 for Multimedia Broadcast/Multicast Service (MBMS) Multicast mode |
| through |  |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | NSAPI 254 for Multimedia Broadcast/Multicast Service (MBMS) Multicast mode |
|  |  |  |  |  |  |  |  |  |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | Reserved (NOTE) |
|  |
| NOTE: NSAPI 255 is reserved for use by lower layers in the point-to-point radio bearer allocation message for Multimedia Broadcast/Multicast Service (MBMS) Broadcast mode (see 3GPP TS 25.331 [23c]). |

\*\*\* Next change \*\*\*

#### 10.5.6.17 Request type

The purpose of the Request type information element is to indicate whether the MS requests to establish a new connectivity to a PDN or keep the connection(s) to which it has connected via non-3GPP access, or to keep the PDU session to which it has connected via 3GPP access.

The Request type information element is also used to indicate that the MS is requesting connectivity to a PDN that provides emergency bearer services, or DN that provides emergency services or keep the connection that provides emergency services to which it has connected via non-3GPP access, or to keep the PDU session to which it has connected via 3GPP access.

The Request type information element is coded as shown in figure 10.5.158/3GPP TS 24.008 and table 10.5.173/3GPP TS 24.008.

The Request type is a type 1 information element.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |  |
| Request type IEI | 0Spare | Request type value | octet 1 |

Figure 10.5.158/3GPP TS 24.008: Request type information element

Table 10.5.173/3GPP TS 24.008: Request type information element

|  |
| --- |
| Request type value (octet 1) |
| Bits |
| 3 | 2 | 1 |  |  |
| 0 | 0 | 1 |  | initial request |
| 0 | 1 | 0 |  | Handover (NOTE 1) |
| 0 | 1 | 1 |  | RLOS (NOTE 3) |
| 1 | 0 | 0 |  | emergency |
| 1 | 1 | 0 |  | handover of emergency bearer services (NOTE 1) (NOTE 2) |
|  |
| All other values are reserved. |
|  |
| Bit 4 of octet 1 is spare and shall be coded as zero. |
|  |
| NOTE 1: This code point denotes a transfer of a PDN connection from non-3GPP access to 3GPP access (and vice versa), or a transfer of a PDU session from N1 mode to S1 mode (see 3GPP TS 24.501 [167]). Such transfers are not handovers controlled by 3GPP connected mode mobility procedures as specified in e.g. 3GPP TS 25.331 [23c] or 3GPP TS 36.331 [129].NOTE 2: "handover of emergency bearer services" is not applicable in A/Gb-mode and Iu-mode and shall be treated as "reserved".NOTE 3: "RLOS" is not applicable in A/Gb-mode and Iu-mode and shall be treated as "initial request". "RLOS" shall be treated as "initial request" in S1 mode by network not supporting access to RLOS. |