**3GPP TSG-CT WG1 Meeting #136-eC1-22xxxx**

**E-Meeting, 12th – 20th May 2022 Revision of C1-223518**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  |  | **CR** |  | **rev** | **1** | **Current version:** |  |  |
|  | | | | | | | | |
| *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 | **X** | Radio Access Network |  | Core Network | **X** |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | Correction to NOTE of CAG information list IE | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | China Mobile, ZTE, China Southern Power Grid Co., MediaTek Inc. | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5GProtoc17 | | | | |  | ***Date:*** | | | 2022-05-01 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | F |  | | | | | ***Release:*** | | | Rel-17 |
|  | *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:*** | | According to TS 24.007, Length of CAG information list contents is 0 if value part is empty. NOTE1 needs to be corrected. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Correct NOTE1 in Table 9.11.3.18A.1 | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | NOTE1 is not aligned with TS 24.007. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 9.11.3.18A | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | | Add MediaTek Inc. to the Source. | | | | | | | | |

\* \* \* First Change \* \* \* \*

#### 9.11.3.18A CAG information list

The purpose of the CAG information list information element is to provide "CAG information list" or to delete the "CAG information list" at the UE.

The CAG information list information element is coded as shown in figures 9.11.3.18A.1 and 9.11.3.18A.2 and table 9.11.3.18A.1.

The CAG information list is a type 6 information element, with a minimum length of 3 octets.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |  |
| CAG information list IEI | | | | | | | | octet 1 |
| Length of CAG information list contents | | | | | | | | octet 2  octet 3 |
| Entry 1 | | | | | | | | octet 4\*  octet a\* |
| Entry 2 | | | | | | | | octet a+1\*  octet b\* |
| … | | | | | | | | octet b+1\*  octet g\* |
| Entry n | | | | | | | | octet g+1\*  octet h\* |

Figure 9.11.3.18A.1: CAG information list information element

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |  |
| Length of entry contents | | | | | | | | octet q |
| MCC digit 2 | | | | MCC digit 1 | | | | octet q+1 |
| MNC digit 3 | | | | MCC digit 3 | | | | octet q+2 |
| MNC digit 2 | | | | MNC digit 1 | | | | octet q+3 |
| 0  Spare | 0  Spare | 0  Spare | 0  Spare | 0  Spare | 0  Spare | 0  Spare | CAG  only | octet q+4 |
| CAG-ID 1 | | | | | | | | octet q+5\*  octet q+8\* |
| CAG-ID 2 | | | | | | | | octet q+9\*  octet q+12\* |
| … | | | | | | | | octet q+13\*  octet q+4m\* |
| CAG-ID n | | | | | | | | octet q+4m+1\*  octet q+4m+4\* |

Figure 9.11.3.18A.2: Entry n

Table 9.11.3.18A.1: CAG information list information element

|  |  |
| --- | --- |
| MCC, Mobile country code (octet q+1 and bits 1 to 4 octet q+2)  The MCC field is coded as in ITU-T Recommendation E.212 [42], annex A. | |
|  | |
| MNC, Mobile network code (bits 5 to 8 of octet q+2 and octet q+3)  The coding of this field is the responsibility of each administration, but BCD coding shall be used. The MNC shall consist of 2 or 3 digits. If a network operator decides to use only two digits in the MNC, bits 5 to 8 of octet q+2 shall be coded as "1111". | |
|  | |
| The contents of the MCC and MNC digits are coded as octets 6 to 8 of the Temporary mobile group identity IE in figure 10.5.154 of 3GPP TS 24.008 [12]. | |
|  | |
| Indication that the UE is only allowed to access 5GS via CAG cells (CAGonly) (bit 1 of octet q+4) | |
| Bit | |
| 1 |  |
| 0 | "Indication that the UE is only allowed to access 5GS via CAG cells" is not set (i.e., the UE is allowed to access 5GS via non-CAG cells) |
| 1 | "Indication that the UE is only allowed to access 5GS via CAG cells" is set (i.e., the UE is not allowed to access 5GS via non-CAG cells) |
|  | |
| CAG-ID m (octet q+4m+1 to octet q+4m+4)  This field contains the 32 bit CAG-ID. The coding of the CAG-ID is defined as the CAG-Identifier in 3GPP TS 23.003 [4].  NOTE 1: The Length of CAG information list contents shall be 0 if no subscription data for CAG information list exists.  NOTE 2: The Length of entry contents shall be 4 if there is no allowed CAG-ID for the PLMN.  NOTE 3: Bit 2 in octet q+4 may be set to 1 in the USIM (see 3GPP TS 31.102 [22]).  NOTE 4: For a given PLMN ID, there shall be up to one Entry containing the MCC value and the MNC value of the PLMN ID. | |

\* \* \* End of Changes \* \* \* \*