**3GPP TSG-CT WG1 Meeting #141eC1-232662**

**Online 17– 21 April 2023** ***was* C1-232128**

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| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  |  | **CR** |  | **rev** | **1** | **Current version:** |  |  |
|  | | | | | | | | |
| *For* [***HELP***](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 Extended LADN information | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Ericsson | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** |  | | | | |  | ***Date:*** | | | 2023-04-10 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-18 |
|  | *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-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | "Extended" is missing in the subject of Figure 9.11.3.96.1 and Table 9.11.3.96.1.  Additionally, there is no "length of S-NSSAI field" and "5GS tracking area identity list field" defined in the IE, so better to use the "length of S-NSSAI field of the S-NSSAI field " and "length of 5GS tracking area identity list field of the 5GS tracking area identity list field" to represent the length part of the fields. | | | | | | | | |
| ***L*** | |  | | | | | | | | |
| ***Summary of change:*** | | Add the missing “Extended” in the subject of Figure 9.11.3.xx.1 and Table 9.11.3.96.1;  Replace the "length of S-NSSAI field" and "5GS tracking area identity list field" with the "first octet of the S-NSSAI field" and "first octet of 5GS tracking area identity list field". | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Error subject and ambiguous fields specified in the Extended LADN information IE. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 9.11.3.96 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 \* \* \* \*

#### 9.11.3.96 Extended LADN information

The purpose of the Extended LADN information information element is to provide the UE with the LADN service area for each available LADN associated for an LADN DNN and an S-NSSAI in the current registration area or to delete the Extended LADN information at the UE.

The Extended LADN information information element is coded as shown in figure 9.11.3.96.1, figure 9.11.3.96.2 and table 9.11.3.96.1.

The Extended LADN information is a type 6 information element with a minimum length of 3 octets and a maximum length of 1787 octets.

The Extended LADN information information element can contain a minimum of 0 and a maximum of 8 different LADNs each including a DNN, an S-NSSAI and a 5GS tracking area identity list.

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

Figure 9.11.3.96.1: Extended LADN information information element

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |  |
| Length of DNN value | | | | | | | | octet 4 |
| DNN value | | | | | | | | octet 5  octet m |
| S-NSSAI | | | | | | | | octet m+1  octet n |
| 5GS tracking area identity list | | | | | | | | octet n+1  octet a |

Figure 9.11.3.96.2: Extended LADN

Table 9.11.3.96.1: Extended LADN information information element

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| --- |
| Value part of the Extended LADN information information element (octet 4 to octet h)  The value part of the Extended LADN information information element consists of one or several LADNs. Each LADN (e.g. octet 4 to octet a) consists of one DNN value, one S-NSSAI and one 5GS tracking area identity list. The length of each LADN is determined by the length of DNN value field, the first octet of the S-NSSAI field and the first octet of the 5GS tracking area identity list field.  The UE shall store the complete list as received. If more than 8 LADNs are included in this information element, the UE shall store the first 8 LADNs and ignore the remaining octets of the information element.  DNN value (octet 5 to octet m):  DNN value field is coded as DNN value part of DNN information element as specified in subclause 9.11.2.1B starting with the third octet. |
| S-NSSAI (octet m+1 to n) (see NOTE 1)  S-NSSAI is coded as the length and value part of S-NSSAI information element as specified in subclause 9.11.2.8 starting with the second octet.  5GS tracking area identity list (octet m+1 to octet a): |
| 5GS tracking area identity list field is coded as the length and the value part of the 5GS Tracking area identity list information element as specified in subclause 9.11.3.9 starting with the second octet. |
| NOTE 1: The S-NSSAI included in the Extended LADN information information element shall be an allowed S-NSSAI provided to the UE. |

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