**3GPP TSG-SA3 Meeting #85-LI-e *s3i220219***

**Online, , 25th Apr 2022 - 29th Apr 2022**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **33.127** | **CR** | **0166** | **rev** | **1** | **Current version:** | **17.4.0** |  |
|  | | | | | | | | |
| *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:*** | Clarification of Location Translation Stage 2 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | SA3-LI (OTD) | | | | | | | | | |
| ***Source to TSG:*** | SA3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | LI18 | | | | |  | ***Date:*** | | | 2022-04-25 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***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:*** | | Stage 1 requirement for CSP cellID to physical location mapping was added in SA3-LI #83e-a.  “**R6.3 – 275 Location Translation –** If the CSP provides a logical location information (e.g. cell ID) or a non-standard position format (e.g. a local cartesian coordinate system with an indeterminate origin), the CSP shall be able to either provide off-line means for this location to be converted to a standard geo-location, or provide the converted geo-location in one of the standard TS 33.128 formats in the same report.”  This CR builds the Stage 2 mechanism for reporting this information. This CR also addresses location reporting when cells have mobility. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Additions of required return data to 7.3.4, address mobile cells with text addition | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | TS 33.126 requirement with no method of delivery in TS 33.127/128. CSPs may not be able to fully meet LI requirements. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 7.3.4 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | | s3i220219 | | | | | | | | |

START OF CHANGES

START OF FIRST CHANGE

### 7.3.4 Cell database information reporting

When a cell identity is provided for the target's location in an IRI message, the CSP may also provide CSI for the reported cell identity. The MDF2 may retrieve CSI by access to a CSP maintained database (referred to as CSP Cell Database) as shown in figure 7.3.4-1. The CSP delivers the CSI either via the IRI message generated from the corresponding xIRI, or asynchronously in a stand-alone Cell Site Report (CSR) IRI message.

The following information shall be delivered when CSI is provided in IRI message or a MDF2 generated CSR:

- LIID.

- Cell identity.

- Date/time(s) established by MDF2.

- Cell supplemental information

Cell supplemental information (CSI) may include cell identity to physical location (e.g. geographical coordinates) information and indicators for cell type, and when applicable to the CSP, a cell mobility indicator (e.g. vehicle-mounted cell, nomadic cell).

If CSI for a cell identity has been previously reported to the LEMF for the current interception, CSI may be omitted, if allowed by the warrant.

If the reported cell is not fixed (e.g. to a permanent physical location), a time stamp shall be included for when the cell was active at the reported location.

If the CSP does not support CSR or CSI, the database can be provided by non-real-time means.



Figure 7.3.4-1: CSP cell database

END OF FIRST CHANGE

END OF ALL CHANGES