**3GPP SA3LI#90 S3i230430**

**Prague; June 27-30, 2023**

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| *CR-Form-v12.2* |
| **CHANGE REQUEST** |
|  |
|  | **33.928** | **CR** | **0010** | **rev** | **1** | **Current version:** | **18.0.0** |  |
|  |
| *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)*.* |
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| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network | **X** |

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| ***Title:***  | More on LIPF logic diagrams: Logic of LI provisioning for 5G MS |
|  |  |
| ***Source to WG:*** | SA3-LI (Nokia, Nokia Shanghai Bell, Ministére de l’économie et finances) |
| ***Source to TSG:*** | SA3 |
|  |  |
| ***Work item code:*** | LI18 |  | ***Date:*** | 2023-06-29 |
|  |  |  |  |  |
| ***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 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-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)Rel-19 (Release 19)* |
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| ***Reason for change:*** | More services were introduced to the TS 33.128 after the initial set of LIPF logic diagrams were created. The TR 33.928 should accommodate those aspects as well. This CR adds LIPF logic diagrams to illustrate the LI provisioning for 5G MS.  |
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| ***Summary of change:*** | New logic to illustrate the LI provisioning for 5G MS is added. |
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| ***Consequences if not approved:*** | The LIPF logic will not be aligned to the TS 33.128.  |
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| ***Clauses affected:*** | 5.4.3.x.4 (new). |
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|  | **Y** | **N** |  |  |
| ***Other specs*** |  | **X** |  Other core specifications  | TS/TR ... CR ...S3i230427, S3i230428, S3i230429  |
| ***affected:*** |  | **X** |  Test specifications | TS/TR ... CR ...  |
| ***(show related CRs)*** |  | **X** |  O&M Specifications | TS/TR ... CR ...  |
|  |  |
| ***Other comments:*** | 5.4.3.X and 5.4.3.x.1 are defined in S3i230427. 5.4.3.x.2 is defined in S3i230428. 5.4.3.x.3 is defined in S3i230429. |
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| ***This CR's revision history:*** | S3i230376 |

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

##### 5.4.3.x.4 LI provisioning for 5G Media Streaming

The AF that handles the 5G Media Streaming (5G MS) provides the LI for 5G MS. The LI applies when a target is non-roaming or inbound roaming in the CSP network. The details of LI for 5G MS are described in TS 33.128 [4].

Figure 5.4.3.x.4-1 shows the LIPF logic for provisioning the LI functions in 5G MS AF.



Figure 5.4.3.x.4-1: LI provisioning for 5G MS

Within the figure, GPSI collectively represents GPSIMSISDN and GPSINAI.

The table 5.4.3.x.4-1 provides the scope of NF domain providing the LI functions for 5G MS.

Table 5.4.3.x.4-1: Scope of NF domain providing the LI functions for 5G MS

|  |  |  |  |
| --- | --- | --- | --- |
| NF with the LI function |  | Not-roaming | Roaming |
|  | VPLMN | HPLMN |
| 5G MS AF |  | IRI-POI | IRI-POI | n/a |

NOTE 1: The use of "n/a" in the above table implies that the LI function is not applicable to the 5G MS AF for the indicated scenario.

NOTE-2: The LIPF is not aware of the roaming situation of the target.

NOTE 3: MDF2 which is also involved in providing the LI function is not shown in the tables above.

### \*\* End of all changes \*\*