**3GPP TSG-SA3 Meeting #88-LI-e-a *s3i230076***

**Online, , 23rd Jan 2023 - 27th Jan 2023**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **33.127** | **CR** | **0192** | **rev** | **2** | **Current version:** | **18.2.0** |  |
|  | | | | | | | | |
| *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:*** | LI for AF Session with QoS (Stage 2) | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | SA3LI (Ministère Economie et Finances) | | | | | | | | | |
| ***Source to TSG:*** | SA3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | LI18 | | | | |  | ***Date:*** | | | 2023-01-20 |
|  |  | | | |  | |  | | |  |
| ***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-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) Rel-19 (Release 19)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Define LI architecture for AF session with QoS at stage 2 | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | New xIRIs related to LI for AF session with QoS | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | LI will not benefit from valuable information when AF session with QoS service is invoked. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 7.9.1, 7.9.A. | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | | **\*** |  | Other core specifications | | | | TS 33.128 CR 0460 | | |
| ***affected:*** | |  | **\*** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **\*** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | | s3i230009, s3i230066 | | | | | | | | |

**\*\*\* Start of First Change \*\*\***

### 7.9.1 General

The present document specifies NEF as POI for:

- NIDD.

- Device triggering.

- MSISDN-less MO SMS.

- Parameter provisioning.

- AF session with QoS.

**\*\*\* End of First Change \*\*\***

**\*\*\* Start of Second Change \*\*\***

### 7.9.A LI for AF session with QoS

#### 7.9.A.1 Background

AF session with QoS is a capability exposed by NEF to AF (see TS 23.502 [4] clause 4.15.6.6 and TS 29.522 [31] clause 4.4.9). The AF can use this capability to request the network to provide QoS for an AF session (i.e., data session to a target UE that is served by a 3rd party service provider) based on the application and service requirements. The AF provides the required QoS for the AF session to NEF; NEF receives and transfers the request to provide QoS for an AF session to the PCF.



Figure 7.9-T: 5GS architecture for AF session with QoS

#### 7.9.A.2 Architecture

Figure 7.9-1 without the CC-POI in NEF provides the architecture for LI for AF session with QoS.

#### 7.9.A.3 Target identities

The LIPF present in the ADMF provisions the intercept information associated with the following target identities to the IRI-POI present in the NEF:

- GPSI.

#### 7.9.A.4 IRI events

The IRI-POI present in the NEF shall generate xIRI, when it detects the following specific events or information related to AF session with QoS:

- AF session with QoS provision.

- AF session with QoS notification.

The AF session with QoS provision xIRI is generated when the IRI-POI present in the NEF detects that a request to reserve/update/revoke QoS for an AF session associated with the target UE has been received from an AF.

The AF session with QoS notification xIRI is generated when the IRI-POI present in the NEF detects that the NEF notifies the AF about changes in the transmission resource status of an AF session associated with the target UE.

**\*\*\* End of Second Change \*\*\***