**3GPP TSG-SA3 Meeting #78-LI-e-b *s3i200412***

**Online, , 28th Jul 2020 - 29th Jul 2020**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **33.127** | **CR** | **0083** | **rev** | **1** | **Current version:** | **16.4.0** |  |
|  | | | | | | | | |
| *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)*.* | | | | | | | | |
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| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network |  |

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| ***Title:*** | MA-PDU LI at the SMF | | | | | | | | | |
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| ***Source to WG:*** | SA3-LI (OTD) | | | | | | | | | |
| ***Source to TSG:*** | SA3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | LI16 | | | | |  | ***Date:*** | | | 2020-07-22 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-16 |
|  | *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-12 (Release 12)* *Rel-13 (Release 13) Rel-14 (Release 14) Rel-15 (Release 15) Rel-16 (Release 16)* | |
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| ***Reason for change:*** | | There is currently no Stage 2 text in TS 33.127 for Multiple-Access PDU session intercept at the SMF. This contribution clarifies Stage 2 requirements for CCDelivery when UE establishes MA-PDU session. | | | | | | | | |
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| ***Summary of change:*** | | Modification of clause 6.2.3.6 to define the Stage 2 requirement for MA-PDU xCC delivery. | | | | | | | | |
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| ***Consequences if not approved:*** | | CSPs will not be able to meet their regulatory obligations. | | | | | | | | |
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| ***Clauses affected:*** | | 6.2.3.6 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |

#### 6.2.3.6 Network topologies

The SMF shall provide the IRI-POI functions in the following network topology cases:

* Non-roaming case.
* Roaming case, in VPLMN.
* Roaming case, in HPLMN.
* Non-3GPP access case, in the PLMN where N3IWF resides.

When the target UE has multiple PDU sessions active, the generation and delivery of xCC for each PDU session shall be done independently, each with separate correlation information.

When the target UE is accessing the 5GS via a Multi-Access (MA) PDU Session, the generation and delivery of xCC shall be done in such a way that:

* Allows for the identification and reporting of each UP data flow associated with a specific PDU session access type
* Allows for correlation to the MA PDU session and to PDU session access type information.

When a target UE's PDU session (or MA PDU session) involves multiple Data Network (DN) connections, the generation and delivery of xCC shall be done in such a way that:

* All applicable user plane packets are captured and delivered.
* Duplicate delivery of CC is suppressed to the extent possible.

A PDU session (or MA PDU session) may involve more than one UPF. In that case, the CC-TF present in the SMF shall determine which UPF(s) is (are) more suitable to provide the CC-POI functions adhering to the above two requirements. Furthermore, independent of which UPF(s) is (are) used to generate the xCC, the CC delivered from the MDF3 shall be correlated to the IRI messages related to the PDU session.