**3GPP TSG-SA3 Meeting #96-LI *s3i250065***

**Sophia-Antipolis, France, 28th Jan 2025 - 31st Jan 2025**

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **33.127** | **CR** | **0277** | **rev** | **-** | **Current version:** | **18.10.0** |  |
|  | | | | | | | | |
| *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:*** | IMS Data Channel Start of Interception | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | SA3-LI (OTD\_US) | | | | | | | | | |
| ***Source to TSG:*** | SA3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | LI18 | | | | |  | ***Date:*** | | | 2025-01-28 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | F |  | | | | | ***Release:*** | | | Rel-19 |
|  | *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-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)  Rel-20 (Release 20)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Currently start of interception with already established IMS Data Channel LI reporting is not supported in the specification. This CR adds such a capability as the feature would be incomplete and unable to report IMS Data Channel sessions completely. | | | | | | | | |
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| ***Summary of change:*** | | Add text descriptoin of new xIRI | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Specification and reporting capabilities will remain incomplete. Without this additional capability, the baseline requirements related to LI reporting completeness cannot be met and the LI solution for IMS Data Channel will be insufficient for CSPs to meet their obligations. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 7.4.3.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |

**\*\*START OF CHANGES\*\***

**\*\*START OF FIRST CHANGE\*\***

#### 7.4.3.2 IRI events

The IRI-POI present in the IMS Signalling Function generates the following xIRI:

- Encapsulated SIP message.

- CC unavailable in serving PLMN.

- Start of interception with an established IMS session.

- Data channel setup message.

- Data channel termination message.

- Start of interception with an established IMS data channel.

- IRI Only RTP Packet.

The encapsulated SIP message xIRI is generated and delivered to the MDF2 when the IRI-POI in the IMS Signalling Function detects that a SIP message is received from, or sent to, a target or processed on behalf of a target at the IMS Signalling Function.

The CC unavailable in PLMN xIRI is generated and delivered to the MDF2 for the session scenarios where access to the target media is not available to the CSP (see clause 7.4.7.1).

The start of interception with an established IMS session xIRI is generated when an interception is activated on an established IMS session. To support the possibility of generating such an xIRI, the IMS Signalling Function shall store and maintain the session related information including the media information for the life of all IMS sessions.

The data channel setup message xIRI is generated and delivered to the MDF2 when the IRI-POI in the DCSF detects that the DCSF has received a DC call event from the IMS AS in the form of a DC control request and has responded with a media instruction set (see TS 23.228 [13], clause AC.7.1).

NOTE 1: Data channel setup invokes procedures within the HSS. The reporting of these events is defined in clause 7.2.3 of the present document.

The data channel termination message xIRI is generated and delivered to the MDF2 when the IRI-POI in the DCSF detects that either UE has triggered a SDP renegotiation to release the application data channel or the application has been closed (see TS 23.228 [13] clause AC.7.6).

NOTE 2: LI for IMS DC across international NNI is not considered in the present document.

NOTE 3: Roaming cases for IMS data channel are not considered in the present document.

The start of interception with established IMS data channel xIRI is generated and delivered to the MDF2 when the IRI-POI in the DCSF detects that an interception has been activated for a target with an already established IMS data channel session.

The IRI Only RTP Packet xIRI is generated and delivered when authorized IRI is present in the RTP Stream (e.g. when the delivery of Post Dialled Digits is required).

**\*\*END OF FIRST CHANGE\*\***

**\*\*END OF ALL CHANGES\*\***