**3GPP TSG-SA3 Meeting #95-LI *s3i240718***

**Las Vegas, United States, 29th Oct 2024 - 1st Nov 2024**

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **33.127** | **CR** | **0270** | **rev** | **-** | **Current version:** | **19.0.0** |  |
|  | | | | | | | | |
| *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:*** | Solution for email to MMS translation interception | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | SA3-LI (OTD\_US) | | | | | | | | | |
| ***Source to TSG:*** | SA3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | LI19 | | | | |  | ***Date:*** | | | 2024-10-30 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **A** |  | | | | | ***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:*** | | Current specification version of MMS IRI events does not include the translation to or from Email to MMS. This CR clarifies the language in the MMS IRI events and adds the missing transformed message type. | | | | | | | | |
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| ***Summary of change:*** | | Updated the IRI Events for the MMS Proxy-Relay to include the type of messages that are translated by the MMS Proxy-Relay to and from an external email server. Added the corresponding specification to the references for clarity. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The intercept solution will continue to fail to intercept the messages which are to or from the external interface of the Proxy-Relay (MM3). | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 2, 7.5.2.3 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 is a mirror of s3i240715 (CR0267). | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

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

# 2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non‑specific.

- For a specific reference, subsequent revisions do not apply.

- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

[1] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".

[2] 3GPP TS 23.501: "System Architecture for the 5G System".

[3] 3GPP TS 33.126: "Lawful interception requirements".

[4] 3GPP TS 23.502: "Procedures for the 5G System; Stage 2".

[5] 3GPP TS 23.271: "Functional stage 2 description of Location Services (LCS)".

[6] OMA-TS-MLP-V3\_5-20181211-C: "Open Mobile Alliance; Mobile Location Protocol, Candidate Version 3.5", <https://www.openmobilealliance.org/release/MLS/V1_4-20181211-C/OMA-TS-MLP-V3_5-20181211-C.pdf>".

[7] ETSI TS 103 120: "Lawful Interception (LI); Interface for warrant information".

[8] ETSI TS 103 221-1: "Lawful Interception (LI); Internal Network Interfaces; Part 1: X1 ".

[9] 3GPP TS 33.501: "Security Architecture and Procedures for the 5G System".

[10] ETSI GR NFV-SEC 011: "Network Functions Virtualisation (NFV); Security; Report on NFV LI Architecture".

[11] 3GPP TS 33.107: "3G Security; Lawful interception architecture and functions".

[12] 3GPP TS 23.214: "Architecture enhancements for control and user plane separation of EPC nodes; Stage 2".

[13] 3GPP TS 23.228: "IP Multimedia Subsystem (IMS); Stage 2".

[14] 3GPP TS 38.413: "NG-RAN; NG Application Protocol (NGAP)".

[15] 3GPP TS 33.128: "Protocol and Procedures for Lawful Interception; Stage 3".

[16] ETSI TS 103 221-2: " Lawful Interception (LI); Internal Network Interfaces; Part 2: X2/X3".

[17] MMS Architecture OMA-AD-MMS-V1\_3-20110913-A.

[18] Multimedia Messaging Service Encapsulation Protocol OMA-TS-MMS\_ENC-V1\_3-20110913-A.

[19] 3GPP TS 22.140: "Multimedia Messaging Service (MMS); Stage 1".

[20] ETSI GS NFV-IFA 026: "Network Functions Virtualisation (NFV) Release 3; Management and Orchestration; Architecture enhancement for Security Management Specification".

[21] 3GPP TS 33.108: "Handover Interface for Lawful Interception (LI)".

[22] 3GPP TS 23.401: "General Packet Radio Service (GPRS) enhancements for   
Evolved Universal Terrestrial Radio Access Network (E-UTRAN) access".

[23] 3GPP TS 23.402: "Architecture enhancements for non-3GPP accesses".

[24] 3GPP TS 23.280: "Common functional architecture to support mission critical services; Stage 2".

[25] OMA-AD-PoC-V2\_1-20110802-A: "Push to talk over Cellular (PoC) Architecture".

[26] GSMA IR.92: "IMS Profile for Voice and SMS".

[27] GSMA NG.114: "IMS Profile for Voice, Video and Messaging over 5GS".

[28] 3GPP TS 24.147: "Conferencing using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3".

[29] ETSI GS NFV-SEC 012: "Network Functions Virtualisation (NFV) Release 3; Security; System architecture specification for execution of sensitive NFV components".

[30] 3GPP TS 23.273: "5G System (5GS) Location Services (LCS); Stage 2".

[31] 3GPP TS 29.522: "5G System; Network Exposure Function Northbound APIs; Stage3".

[32] 3GPP TS 29.122: "T8 reference point for Northbound APIs".

[33] 3GPP TS 23.682: "Architecture enhancements to facilitate communications with packet data networks and applications".

[34] OMA-AD-CPM-V2\_2-20170926-C: "Open Mobile Alliance, OMA Converged IP Messaging System Description", <http://www.openmobilealliance.org/release/CPM/V2_2-20200907-C/OMA-AD-CPM-V2_2-20170926-C.pdf>.

[35] GSMA RCC.07: "Rich Communication Suite – Advanced Communications Services and Client Specification".

[36] IETF RFC 4975: "The Message Session Relay Protocol (MSRP)".

[37] IETF RFC 6714: "Connection Establishment for Media Anchoring (CEMA) for the Message Session Relay Protocol (MSRP)".

[38] IETF RFC 3862: "Common Presence and Instant Messaging (CPIM): Message Format".

[39] 3GPP TS 24.229: "IP Multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3".

[40] IETF RFC 8224: "Authenticated Identity Management in the Session Initiation Protocol (SIP)".

[41] IETF RFC 8946: "Personal Assertion Token (PASSporT) Extension for Diverted Calls".

[42] IETF draft-ietf-stir-passport-rcd-26, "PASSporT Extension for Rich Call Data".

NOTE: The above document cannot be formally referenced until it is published as an RFC.

[43] IETF RFC 7095: "jCard: The JSON Format for vCard".

[44] 3GPP TS 24.196: "Enhanced Calling Name (eCNAM)".

[45] IETF RFC 8816: "Secure Telephone Identity Revisited (STIR) Out-of-Band Architecture and Use Cases".

[46] IETF RFC 9475: "Messaging Use Cases and Extensions for Secure Telephone Identity Revisited (STIR)".

[47] 3GPP TS 33.535: "Authentication and Key Management for Applications (AKMA) based on 3GPP credentials in the 5G System (5GS)".

[48] 3GPP TS 33.220: "Generic Authentication Architecture (GAA); Generic Bootstrapping Architecture (GBA)".

[49] 3GPP TS 33.222: "Generic Authentication Architecture (GAA); Access to network application functions using Hypertext Transfer Protocol over Transport Layer Security (HTTPS)".

[50] 3GPP TS 23.040: "Technical realization of the Short Message Service (SMS)".

[51] 3GPP TS 23.558: "Architecture for enabling Edge Applications".

[52] 3GPP TS 29.518: "5G System; Access and Mobility Management Services; Stage 3".

[53] 3GPP TS 26.501: "5G Media Streaming (5GMS); General description and architecture".

[54] 3GPP TS 29.272: "Evolved Packet System (EPS); Mobility Management Entity (MME) and Serving GPRS Support Node (SGSN) related interfaces based on Diameter protocol".

[55] 3GPP TS 23.288: "Architecture enhancements for 5G System (5GS) to support network data analytics services".

[56] 3GPP TS 38.455: "NR Positioning Protocol A (NRPPa)".

[57] 3GPP TS 36.455: "LTE Positioning Protocol A (LPPa)".

[XX] 3GPP TS 23.140: "Multimedia Messaging Protocol. Functional Description. Stage 2".

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

## \*\*\*\* START OF SECOND CHANGE \*\*\*\*

#### 7.5.2.3 IRI Events

The IRI-POI present in the MMS Proxy-Relay shall generate xIRI, when it detects the following specific events or information:

- The target is a sender or recipient of an MMS message.

- The target is a sender or recipient of a transformed email message (as defined in TS 23.140 [XX] Annex D and Annex D1).

NOTE: In this definition there is no distinction made between addresses on the "TO:" line and addresses on the "CC:" or "BCC:" line. They are all recipients of the message.

## \*\*\*\* END OF SECOND CHANGE \*\*\*\*

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