**3GPP TSG-CT WG6 Meeting #89-Bis *C6-180395***

**Sophia Antipolis, France, 10th July – 13th July 2018**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v11.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **31.103** | **CR** | **0126** | **rev** | **1** | **Current version:** | **15.2.0** |  |
|  | | | | | | | | |
| *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 | **X** | ME | **X** | Radio Access Network |  | Core Network |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | Mission Critical Services configuration data update to ISIM | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Gemalto, G+D MS | | | | | | | | | |
| ***Source to TSG:*** | C6 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI15 | | | | |  | | ***Date:*** | | 2018-07-12 |
|  |  | | | |  | | |  | |  |
| ***Category:*** | **B** |  | | | | | | ***Release:*** | | Rel-15 |
|  | *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)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | New Management Object has been defined for Mission Critical Services in TS 24.483, that need be stored whether in the ME or the USIM.  TS 31.103 has not been updated to support the new Mission Critical Service configuration data. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Correct the name of the DF to MCS (Mission Critical Services) to be aligned with TS 24.483  Change MCPTT to MCS when applicable.  Add new configuration data to store the new MO in the USIM:  - MCS UE initial configuration  - MCData UE configuration  - MCData user profile  - MCData service configuration  - MCVideo UE configuration  - MCVideo user profile  - MCVideo service configuration | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The procedure as defined in MCS specifications cannot be fully implemented. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 2, 3.3, 4.2.7, 4.5, 5.4, | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | |  | | | |
| ***Other specs*** | | **X** |  | Other core specifications | | | TS 31.102 CR 0808 | | | |
| ***affected:*** | |  | **x** | Test specifications | | |  | | | |
| ***(show related CRs)*** | |  | **x** | O&M Specifications | | |  | | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |

\*\*\*\*\* First change \*\*\*\*\*

# 2 References

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

1. References are either specific (identified by date of publication and/or edition number or version number) or non‑specific.
2. For a specific reference, subsequent revisions do not apply.
3. 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 TS 21.111: "USIM and IC Card Requirements".

[…]

[40] 3GPP TS 24.623: "Extensible Markup Language (XML) Configuration Access Protocol (XCAP) over the Ut interface for Manipulating Supplementary Services".

[41] OMA OMA-TS-XDM\_MO-V1\_1-20080627-A: "OMA Management Object for XML Document Management".

[42] Void.

[43] 3GPP TS 24.483: "Mission Critical Services(MCS) Management Object (MO)".

\*\*\*\*\* Next change \*\*\*\*\*

## 3.3 Abbreviations

For the purposes of the present document, the following abbreviations apply:

3GPP 3rd Generation Partnership Project

[…]

MAC Message Authentication Code

MCData Mission Critical Data

MCPTT Mission Critical Push To Talk

MCS Mission Critical Services

MCVideo Mission Critical Video

MF Master File

[…]

\*\*\*\*\* Next change \*\*\*\*\*

### 4.2.7 EFIST (ISIM Service Table)

This EF indicates which optional services are available. If a service is not indicated as available in the ISIM, the ME shall not select this service. The presence of this file is mandatory if optional services are provided in the ISIM.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Identifier: '6F07' | | Structure: transparent | | | Optional | |
| SFI: '07' | | |  | | | |
| File size: X bytes, X > 1 | | | Update activity: low | | | |
| Access Conditions:  READ PIN  UPDATE ADM  DEACTIVATE ADM  ACTIVATE ADM | | | | | | |
| Bytes | Description | | | M/O | | Length |
| 1 | Services n1 to n8 | | | M | | 1 byte |
| 2 | Services n9 to n16 | | | O | | 1 byte |
| 3 | Services n17 to n24 | | | O | | 1 byte |
| 4 | Services n25 to n32 | | | O | | 1 byte |
| etc. |  | | |  | |  |
| X | Services n(8X‑7) to n(8X) | | | O | | 1 byte |

|  |  |  |
| --- | --- | --- |
| ‑Services |  |  |
| Contents: | Service n°1: | P-CSCF address |
|  | Service n°2 | Generic Bootstrapping Architecture (GBA) |
|  | Service n°3 | HTTP Digest |
|  | Service n°4 | GBA-based Local Key Establishment Mechanism |
|  | Service n°5 | Support of P-CSCF discovery for IMS Local Break Out |
|  | Service n°6 | Short Message Storage (SMS) |
|  | Service n°7 | Short Message Status Reports (SMSR) |
|  | Service n°8 | Support for SM-over-IP including data download via SMS-PP as defined in TS 31.111 [31] |
|  | Service n°9 | Communication Control for IMS by ISIM |
|  | Service n°10 | Support of UICC access to IMS |
|  | Service n°11 | URI support by UICC |
|  | Service n°12 | Media Type support |
|  | Service n°13 | IMS call disconnection cause |
|  | Service n°14 | URI support for MO SHORT MESSAGE CONTROL |
|  | Service nº15 | Mission Critical Services |
|  | Service n°16 | URI support for SMS-PP DOWNLOAD as defined in 3GPP TS 31.111 [31] |
|  | Service n°17 | From Preferred |
|  | Service n°18 | IMS configuration data |
|  | Service n°19 | XCAP Configuration Data |
|  | Service n°20 | WebRTC URI |
|  | Service n 21 | In-session handover WLAN and EPS when roaming |

The EF shall contain at least one byte. Further bytes may be included, but if the EF includes an optional byte, then it is mandatory for the EF to also contain all bytes before that byte. Other services are possible in the future and will be coded on further bytes in the EF. The coding falls under the responsibility of the 3GPP.

Coding:

1 bit is used to code each service:  
bit = 1: service available;  
bit = 0: service not available.

- Service available means that the ISIM has the capability to support the service and that the service is available for the user of the ISIM.  
Service not available means that the service shall not be used by the ISIM user, even if the ISIM has the capability to support the service.

First byte:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | b8 | | b7 | | b6 | | B5 | | b4 | | b3 | | b2 | | b1 | |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | | Service n°1 |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | | Service n°2 |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | | Service n°3 |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | | Service n°4 |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | | Service n°5 |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | | Service n°6 |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | | Service n°7 |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | | Service n°8 |

Second byte:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | b8 | | b7 | | b6 | | B5 | | b4 | | b3 | | b2 | | b1 | |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | | Service n°9 |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | | Service n°10 |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | | Service n°11 |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | | Service n°12 |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | | Service n°13 |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | | Service n°14 |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | | Service n°15 |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | | Service n°16 |

etc.

\*\*\*\*\* Next change \*\*\*\*\*

## 4.5 Contents of DFs at the TELECOM level

DFs may be present as child directories of DFTELECOM as defined in 3GPP TS 31.102 [2].

If service nº15 is “available”, DFMCS as defined in 3GPP TS 31.102 [2] shall be present.

### 4.5.1 Contents of files at the DFMCS level

The EFs in the Dedicated File DFMCS contain management objects related to Mission Critical Services, as specified in 3GPP TS 24.483 [43].

The coding, usage and conditions for presence for these EFs are defined in 3GPP TS 31.102 [2].

\*\*\*\*\* Next change \*\*\*\*\*

## 5.4 MCS related procedures

Requirement: ISIM Service n°15 "available".

The MCS related procedures by ISIM are the same as MCS related procedures by USIM defined in 3GPP TS 31.102 [2].

\*\*\*\*\* End of change \*\*\*\*\*