**3GPP TSG-CT WG6 Meeting #112eC6-22xxxx**

**E-Meeting, 23th – 26th August 2022**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **31.102** | **CR** | **0958** | **rev** | **1** | **Current version:** | **17.6.0** |  |
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| *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:*** | EF for 5G ProSe usage information reporting | | | | | | | | | |
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| ***Source to WG:*** | OPPO | | | | | | | | | |
| ***Source to TSG:*** | CT6 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5G\_ProSe | | | | |  | ***Date:*** | | | 2022-6-27 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | B |  | | | | | ***Release:*** | | | Rel-17 |
|  | *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-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | The EF for 5G ProSe usage information reporting is missing based on TS 24.554 and TS 24.555. | | | | | | | | |
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| ***Summary of change:*** | | Add the EF for 5G ProSe usage information reporting. | | | | | | | | |
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| ***Consequences if not approved:*** | | The stage 2 requirements cannot be satisfied. | | | | | | | | |
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| ***Clauses affected:*** | | 4.7, 4.4.11.16.2, 4.4.11.16.x(new), 5.17.y(new), Annex A, Annex D, Annex E, H.10 | | | | | | | | |
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|  | | **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 ... | | |
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| ***Other comments:*** | |  | | | | | | | | |
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| ***This CR's revision history:*** | |  | | | | | | | | |

\* \* \* First Change \* \* \* \*

## 4.7 Files of USIM

This clause contains two figures depicting the file structure of the UICC and the ADFUSIM. ADFUSIM shall be selected using the AID and information in EFDIR.

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|  |  |  |  |  |  | |  | '2F00' | |  | '2F05' | |  | '2F06' | |  | '2FE2' | |  | '2F08' | |
|  |  | DFGSM | |  | see TS | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | '7F20' | |  | 51.011 [18] | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  | DFCD | |  | see TS | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | '7F11' | |  | 31.101 [11] | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  | DFTELECOM | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | '7F10' | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  | |  | '6F06' | |  | '6F3A' | |  | '6F3B' | |  | '6F3C' | |  | '6F40' | |
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|  |  |  |  |  | '5F3C' | |  | C.S0074-A[53] | |  |  | |  |  | |  |  | |  |  | |
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|  |  |  |  |  | DFV2X | |  |  | |  |  | |  |  | |  |  | |  |  | |
|  |  |  |  |  | '5F3E' | |  |  | |  |  | |  |  | |  |  | |  |  | |
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|  |  |  |  |  |  |  |  | '4F01' | |  | '4F02' | |  | '4F03' | |  | '4F04' | |  |  | |

NOTE 1: Files under DFTELECOM with shaded background are defined in 3GPP TS 51.011 [18].

NOTE 2: Void.

NOTE 3: Files under DFMMSS are defined in C.S0074-A [53].

NOTE 4: The values '4F03', '4F04' and '4F05' under DFMCS were used in earlier versions of this specification, and should not be re-assigned in future versions.

**Figure 4.1: File identifiers and directory structures of UICC**

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|  | ADFUSIM | | | | |  |  | | | | | |  | |  | | | | | |  | | |  | | | | | | | |  | | |  | | | | | |  | |  | | | | | |  | |  | | | | |
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|  |  | |  | | |  |  | | | | | |  | | '6F05' | | | | | |  | | | '6F06' | | | | | | | | |  | | '6F07' | | | | | |  | | '6F08' | | | | | |  | | '6F09' | | | | |
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|  |  | |  | | |  |  | | | | | |  | | '6F2C' | | | | | |  | | | '6F31' | | | | | | | |  | | | '6F32' | | | | | |  | | '6F37' | | | | | |  | | '6F38' | | | | |
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|  |  | |  | | |  |  | | | | | |  | | '6F39' | | | | | |  | | | '6F3B' | | | | | | | |  | | | '6F3C' | | | | | |  | | '6F3E' | | | | | |  | | '6F3F' | | | | |
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|  |  | |  | | |  |  | | | | | |  | | '6F40' | | | | | |  | | | '6F41' | | | | | | | |  | | | '6F42' | | | | | |  | | '6F43' | | | | | |  | | '6F45' | | | | |
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|  |  | |  | | |  |  | | | | | |  | | '6F46' | | | | | |  | | | '6F47' | | | | | | | |  | | | '6F48' | | | | | |  | | '6F49' | | | | | |  | | '6F4B' | | | | |
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|  |  | |  | | |  |  | | | | | |  | | '6F55' | | | | | |  | | | '6F56' | | | | | | | |  | | | '6F57' | | | | | |  | | '6F58' | | | | | |  | | '6F5B' | | | | |
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|  | |  | |  |  |  | | |  | | |  | | EF5GSEDRX | | | | | |  | | EF5GNSWO\_CONF | | | | | | | |  | | | | EFMCHPPLMN | | | | | |  | |  | | | | | |  | |  | | | | | |
|  | |  | |  |  |  | | |  | | |  | | ‘4F10' | | | | | |  | | '4F11' | | | | | | | |  | | | | '4F15' | | | | | |  | |  | | | | | |  | |  | | | | | |
|  | |  | |  |  |  | | |  | | |  | |  | | | | | |  | |  | | | | | | | |  | | | |  | | | | | |  | |  | | | | | |  | |  | | | | | |
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|  | |  | |  |  |  | | | DF5GProSe  '5FD0' | | | | | | | |  | | |  | |  | | | | | | | |  | | | |  | | | | | |  | |  | | | | | |  | |  | | | | | |
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|  | |  | |  |  |  | | |  | | |  | | EF5G\_PROSE\_ST  '4F01' | | | | | |  | | EF5G\_PROSE\_DD '4F02' | | | | | | | |  | | | | EF5G\_PROSE\_DC '4F03' | | | | | |  | | EF5G\_PROSE\_U2NRU '4F04' | | | | | |  | | EF5G\_PROSE\_RU '4F05' | | | | | |
|  | |  | |  |  |  | |  |  | |  |  | |  | | | | | |  | |  | | | | | | | |  | | | |  | | | | | |  | |  | | | | | |  | |  | | | | | |
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|  | |  | |  |  |  | | |  | | |  | | EF5G\_PROSE\_UIR  '4F0Y' | | | | | |  | |  | | | | | | | |  | | | |  | | | | | |  | |  | | | | | |  | |  | | | | | |
|  | |  | |  |  |  | |  |  | |  |  | |  | | | | | |  | |  | | | | | | | |  | | | |  | | | | | |  | |  | | | | | |  | |  | | | | | |
|  | |  | |  |  |  | | DFSNPN  '5FE0' | | | | | |  | | | | | |  | |  | | | | | | | |  | | | |  | | | | | |  | |  | | | | | |  | |  | | | | | |
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|  |  |  | |  |  |  | |  |  | |  |  | | EFPWS\_SNPN '4F01' | | | | | |  | |  | | |  |  | | |  |  | | | |  | |  |  | |  |  | |  | |  |  | |  |  | |  | |  | |  |  |
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**Figure 4.2: File identifiers and directory structures of USIM**

NOTE 5: The value '6F65' under ADFUSIM was used in earlier versions of this specification, and should not be re-assigned in future versions.

\* \* \* Next Change \* \* \* \*

##### 4.4.11.16.2 EF5G\_PROSE\_ST (5G ProSe Service Table)

If service n°139 is "available" in the USIM Service Table, this file shall be present. This EF indicates which 5G ProSe services are available. If a service is not indicated as available in the 5G ProSe Service Table, the ME shall not select this service.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Identifier: '4F01' | | Structure: transparent | | | Optional | |
| SFI: '01' | | |  | | | |
| 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 n°1 to n°8 | | | M | | 1 byte |
| 2 | Services n°9 to n°16 | | | O | | 1 byte |
| etc. |  | | |  | |  |
| X | Services n°(8X‑7) to n°(8X) | | | O | | 1 byte |

|  |  |  |
| --- | --- | --- |
| Services |  |  |
| Contents: | Service n°1: | 5G ProSe configuration data for direct discovery |
|  | Service n°2: | 5G ProSe configuration data for direct communication |
|  | Service n°3: | 5G ProSe configuration data for UE-to-network relay UE |
|  | Service n°4: | 5G ProSe configuration data for remote UE |
|  | Service n°x: | 5G ProSe configuration data for usage information reporting |

The EF shall contain at least one byte for services. 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.

Coding:

Same as coding of USIM Service Table.

\* \* \* Next Change \* \* \* \*

##### 4.4.11.16.x EF5G\_PROSE\_UIR (5G ProSe configuration data for usage information reporting)

If service n°139 is "available" in the USIM Service Table and service n°x is "available" in EF5G\_PROSE\_ST, this file shall be present. This EF contains 5G ProSe policy for usage information reporting. The format of the 5G ProSe policy for usage information reporting are specified in 3GPP TS 24.555 [115].

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Identifier: '4F0Y' | | Structure: Transparent | | | Optional | |
| SFI: '06' | | |  | | | |
| File size: X bytes bytes, (X ≥ 32) | | | Update activity: low | | | |
| Access Conditions:  READ PIN  UPDATE ADM  DEACTIVATE ADM  ACTIVATE ADM | | | | | | |
| Bytes | Description | | | M/O | | Length |
| 1 to X | 5G ProSe configuration data for usage information reporting TLV objects | | | M | | X bytes |

The 5G ProSe configuration data for usage information reporting data object parameters tags:

|  |  |
| --- | --- |
| Description | Tag Value |
| 5G ProSe configuration data for UE-to-network relay UE Tag | 'A0' |
| Validity timer Tag | '85' |
| Collection period Tag | '94' |
| Reporting window Tag | '95' |
| Reporting indicators Tag | '96' |
| 5G DDNMF CTF address for uploading the usage information reports Tag | '97' |

The 5G ProSe configuration data for usage information reporting contents:

|  |  |  |  |
| --- | --- | --- | --- |
| Description | Value | M/O | Length (bytes) |
| 5G ProSe configuration data for usage information reporting Tag | 'A0' | M | 1 |
| Length | Note 1 | M | Note 2 |
| Validity timer Tag | '85' | M | 1 |
| Length | 5 | M | Note 2 |
| Validity timer information | -- | M | 5 |
| Collection period Tag | '94' | M | 1 |
| Length | 3 | M | Note 2 |
| Collection period information | -- | M | 3 |
| Reporting window Tag | '95' | M | 1 |
| Length | 3 | M | Note 2 |
| Reporting window information | -- | M | 3 |
| Reporting indicators Tag | '96' | M | 1 |
| Length | 2 | M | Note 2 |
| Reporting indicators information | -- | M | 2 |
| 5G DDNMF CTF address for uploading the usage information reports Tag | '97' | M | 1 |
| Length | X1 | M | Note 2 |
| 5G DDNMF CTF address for uploading the usage information reports information | -- | M | X1 |
| Note 1: This is the total size of the constructed TLV object.  Note 2: The length is coded according to ISO/IEC 8825-1 [35]. | | | |

- Validity timer Tag '85'

Contents:

The Validity timer information contains the timer for controlling the validity of 5G ProSe configuration data for usage information reporting.

Coding:

The Validity timer information is encoded as shown in figure 5.7.2.1 and table 5.7.2.1 of 3GPP TS 24.555 [115].

- Collection period Tag '94'

Contents:

The Collection period information contains the time interval, in unit of minutes, at which the UE shall generate the usage information reports.

Coding:

The Collection period information is encoded as shown in figures 5.7.2.1 and tables 5.7.2.1 of 3GPP TS 24.555 [115].

- Reporting window Tag '95'

Contents:

The Reporting window information contains the time window, in units of minutes, during which the UE shall upload the usage information report.

Coding:

The Reporting window information is encoded as shown in figures 5.7.2.1 and tables 5.7.2.1 of 3GPP TS 24.555 [115].

- Reporting indicators Tag '96'

Contents:

The Reporting indicators information contains the status of several reporting indicators.

Coding:

The reporting indicator is set as follows:  
bit = 1: Set indication active  
bit = 0: Set indication inactive.

Byte 1:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | b8 | | b7 | | B6 | | b5 | | b4 | | b3 | | | | b2 | | b1 | | |
|  |  | |  | |  | |  | |  | |  | | |  | | |  | | |  | | Data received reporting indicator, as defined in tables 5.7.2.1 of 3GPP TS 24.555 [115]. |
|  |  | |  | |  | |  | |  | |  | |  | | | Data transmitted reporting indicator, as defined in tables 5.7.2.1 of 3GPP TS 24.555 [115]. |
|  |  | |  | |  | |  | |  | | | |  | |  | |  | |  | | | Time stamps of the first transmission/reception reporting indicator, as defined in tables 5.7.2.1 of 3GPP TS 24.555 [115]. |
|  |  | |  | |  | |  | |  | | | |  | |  | |  | |  | | | Time stamps in and out of NG-RAN coverage reporting indicator, as defined in tables 5.7.2.1 of 3GPP TS 24.555 [115]. |
|  |  | |  | |  | |  | |  | | | |  | |  | |  | |  | | | Group parameters reporting indicator, as defined in tables 5.7.2.1 of 3GPP TS 24.555 [115]. |
|  |  | |  | |  | |  | |  | | | |  | |  | |  | |  | | | UE locations reporting indicator, as defined in tables 5.7.2.1 of 3GPP TS 24.555 [115]. |

Byte 2:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | B8 | | b7 | | b6 | | b5 | | b4 | | b3 | | b2 | | | b1 | | |
|  |  | |  | |  | |  | |  | |  | |  | |  | | |  | | | Address type, as defined in tables 5.7.2.1 of 3GPP TS 24.555 [115]. | |
|  |  | |  | |  | |  | |  | |  | | | |  |  | | |  | | | QoS flow reporting indicator, as defined in tables 5.7.2.1 of 3GPP TS 24.555 [115]. | |
|  |  | |  | |  | |  | |  | |  | | | |  |  | | |  | | | Radio parameters reporting indicator, as defined in tables 5.7.2.1 of 3GPP TS 24.555 [115]. | |
|  |  | |  | |  | |  | |  | |  | | | |  |  | | |  | | | RFU | |

- 5G DDNMF CTF address for uploading the usage information reports Tag '97'

Contents:

The 5G DDNMF CTF address for uploading the usage information reports information contains a list of ProSe identifier to ProSe application server address mapping rules.

Coding:

The 5G DDNMF CTF address for uploading the usage information reports information is encoded as shown in figures 5.7.2.1 and tables 5.7.2.1 of 3GPP TS 24.555 [115].

\* \* \* Next Change \* \* \* \*

### 5.17.y 5G ProSe configuration data for usage information reporting

Requirement: service n°139 is "available" in the USIM Service Table and service n°x is "available" in the 5G ProSe Service Table.

Request: The ME performs the reading procedure with EF5G\_PROSE\_UIR.

\* \* \* Next Change \* \* \* \*

Annex A (informative):  
EF changes via Data Download or USAT applications

This annex defines if changing the content of an EF by the network (e.g. by sending an SMS), or by a USAT Application, is advisable. Updating of certain EFs "over the air" such as EFACC could result in unpredictable behaviour of the UE; these are marked "Caution" in the table below. Certain EFs are marked "No"; under no circumstances should "over the air" changes of these EFs be considered.

| File identification | | Description | | Change advised | | |
| --- | --- | --- | --- | --- | --- | --- |
| '2F00' | | Application directory | | Caution | | |
| '2F05' | | Preferred languages | | Yes | | |
| '2F06' | | Access rule reference | | Caution | | |
| '2F08' | | UICC Maximum Power Consumption | | No | | |
| '2FE2' | | ICC identification | | No | | |
| '4F01' | | ProSe Monitoring Parameters | | Yes | | |
| '4F01' | | ACDC List | | Yes | | |
| '4F01' | | MCS Service Table | | Yes | | |
| '4F01' | | V2X Service Table | | Yes | | |
| '4F01' | | 5GS 3GPP location information | | Caution (Note 1) | | |
| '4F01' | | 5G ProSe Service Table | | Yes | | |
| ‘4F01’ | | PWS configuration in SNPN. | | Yes | | |
| '4F02' | | V2X configuration data | | Yes | | |
| '4F02' | | ProSe Announcing Parameters | | Yes | | |
| '4F02' | | MCS configuration data | | Yes | | |
| '4F02' | | 5GS non-3GPP location information | | Caution (Note 1) | | |
| '4F02' | | 5G ProSe configuration data for direct discovery | | Yes | | |
| '4F03' | | HPLMN ProSe Function | | Yes | | |
| '4F03' | | 5GS 3GPP Access NAS Security Context | | Caution | | |
| '4F03' | | V2X data policy over PC5 | | Yes | | |
| '4F03' | | 5G ProSe configuration data for direct communication | | Yes | | |
| '4F04' | | ProSe Direct Communication Radio Parameters | | Yes | | |
| '4F04' | | 5GS non-3GPP Access NAS Security Context | | Caution | | |
| '4F04' | | V2X data policy over Uu | | Yes | | |
| '4F04' | | 5G ProSe configuration data for UE-to-network relay UE | | Yes | | |
| '4F05' | | ProSe Direct Discovery Monitoring Radio Parameters | | Yes | | |
| '4F05' | | 5G authentication keys | | No | | |
| '4F05' | | 5G ProSe configuration data for remote UE | | Yes | | |
| '4F06' | | ProSe Direct Discovery Announcing Radio Parameters | | Yes | | |
| '4F06' | | UAC Access Identities Configuration | | Caution | | |
| '4F0Y' | | 5G ProSe configuration data for usage reporting information | | Yes | | |
| '4F07' | | ProSe Policy Parameters | | Yes | | |
| '4F07' | | Subscriber Concealed Identifier Calculation Information | | Yes | | |
| '4F09' | | SUPI as Network Access Identifier | | Caution | | |
| '4F09' | | ProSe Group Counter | | No | | |
| '4F0A' | | Routing Indicator | | Yes (Note 5) | | |
| '4F0B' | | UE Route Selection Policies | | Yes | | |
| '4F0C' | | Trusted non-3GPP Serving network name list | | Yes | | |
| '4F0D' | | Pre-configured CAG information list | | Caution | | |
| '4F0E' | | Steering of roaming connected mode control information | | Yes | | |
| '4F0F' | | Disaster roaming information | | Yes | | |
| '4F10' | | ProSe Service Table | | Caution | | |
| ‘4F10' | | 5GS eDRX Parameters | | Yes | | |
| '4F11' | | ProSe UsageInformationReportingConfiguration | | Caution (Note 4) | | |
| '4F11 | | 5G Non-Seamless WLAN Offload configuration | | Yes | | |
| '4F12' | | ProSe Group Member Discovery Parameters | | Yes | | |
| '4F13' | | ProSe Relay Parameters | | Yes | | |
| '4F14' | | ProSe Relay Discovery Parameters | | Yes | | |
| '4F15' | | Multiplier coefficient for Higher Priority PLMN search period via NG-RAN satellite access | | Yes | | |
| '4F20' | | Image data | | Yes | | |
| '4F20' | | GSM Ciphering key Kc | | No | | |
| '4FXX' | | Image Instance data Files | | Yes | | |
| '4FXX' | | ACDC OS Configuration | | Yes | | |
| '4F21' | | ICE graphics | | Yes | | |
| '4FXX' | | Unique identifier | | Yes | | |
| '4F22' | | Phone book synchronisation counter | | Yes | | |
| '4F23' | | Change counter | | Yes | | |
| '4F24' | | Previous unique identifier | | Yes | | |
| '4F30' | | Phone book reference file | | Yes | | |
| '4FXX' | | Capability configuration parameters 1 | | Yes | | |
| '4F30' | | SoLSA Access Indicator | | Caution | | |
| '4F31' | | SoLSA LSA List | | Caution | | |
| '4FXX' | | LSA Descriptor files | | Caution | | |
| '4F52' | | GPRS Ciphring key KcGPRS | | No | | |
| '4F63' | | CPBCCH Information | | No | | |
| '4F64' | | Investigation Scan | | Caution | | |
| '4FXX' | | Additional number alpha string | | Yes | | |
| '4FXX' | | Additional number | | Yes | | |
| '4FXX' | | Second name entry | | Yes | | |
| '4FXX' | | Grouping information alpha string | | Yes | | |
| '4FXX' | | Phone book control | | Yes | | |
| '4FXX' | | E-mail addresses | | Yes | | |
| '4FXX' | | Index administration phone book | | Yes | | |
| '4FXX' | | Extension 1 | | Yes | | |
| '4FXX' | | Abbreviated dialling numbers | | Yes | | |
| '4FXX' | | Grouping file | | Yes | | |
| '4FXX' | | TV User Service Description | | Yes | | |
| '4F41' | | Pseudonym | | Caution | | |
| '4F42' | | User controlled PLMN selector for I-WLAN | | No | | |
| '4F43' | | Operator controlled PLMN selector for I-WLAN | | Caution | | |
| '4F44' | | User controlled WSID List | | No | | |
| '4F45' | | Operator controlled WSID List | | Caution | | |
| '4F46' | | WLAN Reauthentication Identity | | No | | |
| 4F47' | | Home I-WLAN Specific Identifier List | | Yes | | |
| '4F47' | | Multimedia Messages List | | Yes | | |
| '4F48' | | I-WLAN Equivalent HPLMN Presentation Indication | | Yes | | |
| '4F48' | | Multimedia Messages Data File | | Yes | | |
| '4F49' | | I-WLAN HPLMN Priority Indication | | Yes | | |
| '4F4A' | | I-WLAN Last Registered PLMN | | Caution | | |
| '4F4B' | | HPLMN Direct Access Indicator | | Yes | | |
| '4F81' | | Allowed CSG lists | | Yes | | |
| '4F82' | | CSG Type | | Yes | | |
| '4F83' | | HNB name | | Yes | | |
| '4F84' | | Operator CSG lists | | Yes | | |
| '4F85' | | Operator CSG Type | | Yes | | |
| '4F86' | | Operator HNB name | | Yes | | |
| '6F01' | | enhanced AKA support | | Caution | | |
| '6F05' | | Language indication | | Yes | | |
| '6F06' | | Access rule reference (under ADFUSIM and DFTELECOM) | | Caution | | |
| '6F07' | | IMSI | | Caution (Note 1) | | |
| '6F08' | | Ciphering and integrity keys | | No | | |
| '6F09' | | Ciphering and integrity keys for packet switched domain | | No | | |
| '6F2C' | | De-personalization Control Keys | | Caution | | |
| '6F31' | | Higher Priority PLMN search period | | Caution | | |
| '6F32' | | Co-operative network list | | Caution | | |
| '6F37' | | ACM maximum value | | Yes | | |
| '6F38' | | USIM service table | | Caution | | |
| '6F39' | | Accumulated call meter | | Yes | | |
| '6F3B' | | Fixed dialling numbers | | Yes (Note 2) | | |
| '6F3C' | | Short messages | | Yes | | |
| '6F3E' | | Group identifier level 1 | | Yes | | |
| '6F3F' | | Group identifier level 2 | | Yes | | |
| '6F40' | | MSISDN storage | | Yes | | |
| '6F41' | | PUCT | | Yes | | |
| '6F42' | | SMS parameters | | Yes | | |
| '6F43' | | SMS status | | Yes | | |
| '6F45' | | CBMI | | Caution | | |
| '6F46' | | Service provider name | | Yes | | |
| '6F47' | | Short message status reports | | Yes | | |
| '6F48' | | CBMID | | Yes | | |
| '6F49' | | Service Dialling Numbers | | Yes (Note 2) | | |
| '6F4B' | | Extension 2 | | Yes | | |
| '6F4C' | | Extension 3 | | Yes | | |
| '6F4D' | | Barred dialling numbers | | Yes | | |
| '6F4E' | | Extension 5 | | Yes | | |
| '6F4F' | | Capability configuration parameters 2 | | Yes | | |
| '6F50' | | CBMIR | | Yes | | |
| '6F54' | | SetUp Menu Elements | | Yes | | |
| '6F55' | | Extension 4 | | Yes | | |
| '6F56' | | Enabled services table | | Caution | | |
| '6F57' | | Access point name control list | | Yes | | |
| '6F58' | | Comparison method information | | Yes | | |
| '6F5B' | | Initialisation value for Hyperframe number | | Caution | | |
| '6F5C' | | Maximum value of START | | Yes | | |
| '6F60' | | User controlled PLMN selector with Access Technology | | No | | |
| '6F61' | | Operator controlled PLMN selector with Access Technology | | Caution | | |
| '6F62' | | HPLMN selector with Access Technology | | Caution | | |
| '6F73' | | Packet switched location information | | Caution (Note 1) | | |
| '6F78' | | Access control class | | Caution | | |
| '6F7B' | | Forbidden PLMNs | | Caution | | |
| '6F7E' | | Location information | | No (Note 1) | | |
| '6F80' | | Incoming call information | | Yes | | |
| '6F81' | | Outgoing call information | | Yes | | |
| '6F82' | | Incoming call timer | | Yes | | |
| '6F83' | | Outgoing call timer | | Yes | | |
| '6FAD' | | Administrative data | | Caution | | |
| '6FB1' | | Voice Group Call Service | | Yes | | |
| '6FB2' | | Voice Group Call Service Status | | Yes | | |
| '6FB3' | | Voice Broadcast Service | | Yes | | |
| '6FB4' | | Voice Broadcast Service Status | | Yes | | |
| '6FB5' | | Enhanced Multi Level Pre-emption and Priority | | Yes | | |
| '6FB6' | | Automatic Answer for eMLPP Service | | Yes | | |
| '6FB7' | | Emergency Call Codes | | Caution | | |
| '6FC3' | | Key for hidden phone book entries | | No | | |
| '6FC4' | | Network Parameters | | No | | |
| '6FC5' | | PLMN Network Name | | Yes | | |
| '6FC6' | | Operator Network List | | Yes | | |
| '6FC7' | | Mailbox Dialling Numbers | | Yes | | |
| '6FC8' | | Extension 6 | | Yes | | |
| '6FC9' | | Mailbox Identifier | | Caution | | |
| '6FCA' | | Message Waiting Indication Status | | Caution | | |
| '6FCB' | | Call Forwarding Indication Status | | Caution | | |
| '6FCC' | | Extension 7 | | Yes | | |
| '6FCD' | | Service Provider Display Information | | Yes | | |
| '6FCE' | | MMS Notification | | Yes | | |
| '6FCF' | | Extension 8 | | Yes | | |
| '6FD0' | | MMS Issuer Connectivity Parameters | | Yes | | |
| '6FD1' | | MMS User Preferences | | Yes | | |
| '6FD2' | | MMS User Connectivity Parameters | | Yes | | |
| '6FD3' | | Network's indication of alerting (NIA) | | Caution | | |
| '6FD4' | | Voice Group Call Service Ciphering Algorithm | | Yes | | |
| '6FD5' | | Voice Broadcast Service Ciphering Algorithm | | Yes | | |
| '6FD6' | | GBA Bootstrapping parameters | | Caution | | |
| '6FD7' | | MBMS Service Keys List | | Caution | | |
| '6FD8' | | MBMS User Key | | Caution | | |
| '6FD9' | | EHPLMN | | Caution | | |
| '6FDA' | | GBA NAF List | | Caution | | |
| '6FDB' | | EHPLMN Presentation Indication | | Caution | | |
| '6FDC' | | Last RPLMN Selection Indication | | Caution | | |
| '6FDD' | | NAF Key Centre Address | | Caution | | |
| '6FDE' | | Service Provider Name Icon | | Yes | | |
| '6FDF' | | PLMN Network Name Icon | | Yes | | |
| '6FE0' | | In Case of Emergency – Dialling Number | | Yes | | |
| '6FE1' | | In Case of Emergency – Free Format | | Yes | | |
| '6FE2' | | Network Connectivity Parameters for UICC IP connections | | Yes | | |
| '6FE3' | | EPS location information | | Caution (Note 1) | | |
| '6FE4' | | EPS NAS Security Context | | Caution | | |
| '6FE5' | | Public Service Identity of the SM-SC | | Yes | |
| '6FE6' | | USAT Facility Control | | Caution | |
| '6FE7' | | UICC IARI | | Caution (Note 3) | |
| '6FE8' | | Non Access Stratum Configuration | | Yes | |
| '6FE9' | | UICC certificate | | Yes | |
| '6FEA' | | Relay Node ID | | Yes | |
| '6FEB' | | Max value of Secure Channel counter | | Caution | |
| '6FEC' | | Public Warning System | | Yes | |
| '6FED' | | FDN URI | | Yes (Note 2) | |
| '6FEE' | | BDN URI | | Yes | |
| '6FEF' | | SDN URI | | Yes (Note 2) | |
| '6FF0' | | IMEI(SV) Allowed List | | Yes | |
| '6FF1' | | IMEI(SV) Pairing Status | | Caution | |
| '6FF2' | | IMEI(SV) Pairing Devices | | Caution | |
| '6FF3' | | Home ePDG Identifier | | Yes | |
| '6FF4' | | ePDG Selection Information | | Yes | |
| '6FF5' | | Emergency ePDG Identifier | | Yes | |
| '6FF6' | | ePDG Selection Information for Emergency Services | | Yes | |
| '6FF7' | | From Preferred | | Yes | |
| '6FF8' | | IMSConfigData | | Caution | |
| '6FF9' | | 3GPPPSDATAOFF | | Caution | |
| '6FFA' | | 3GPPPSDATAOFFservicelist | | Caution | |
| '6FFB' | | TV Configuration | | Yes | |
| '6FFC' | | XCAP Configuration Data | | Yes | |
| '6FFD' | | EARFCN List for MTC/NB-IOT UEs | | Yes | |
| '6FFE' | | MuD and MiD configuration data | | Yes | |
| NOTE1: If EFIMSI is changed, the UICC should issue REFRESH as defined in 3GPP TS 31.111 [12] and update EFLOCI, EFPSLOCI, EFEPSLOCI, EF5GS3GPPLOCI and EF5GSN3GPPLOCI accordingly.  NOTE2: This file may contain eCALL related test and reconfiguration numbers or URIs.  NOTE3: If EFUICCIARI is changed, the UICC shall issue a REFRESH command as defined in TS 31.111. The ME shall read the updated list of IARIs associated with active applications installed on the UICC.  NOTE4: Updating EFProSe\_UIRC Over-The-Air, especially adding more parameters to the report, may cause a reduction of number of reports to be able to be stored in the UE.  NOTE5: If EFRouting\_Indicator is changed, the UICC shall issue File Change Notification REFRESH, as defined in 3GPP TS 31.111 [12]. | | | | | | |

Editor's Note: The REFRESH for SUPI\_NAI update needs to be further specified.

\* \* \* Next Change \* \* \* \*

Annex D (informative):  
Tags defined in 31.102

|  |  |  |
| --- | --- | --- |
| Tag | Name of Data Element | Usage |
| '43' | Full name for network IEI | PLMN Network Name (EFPNN) |
| '45' | Short name for network IEI | PLMN Network Name (EFPNN) |
| '53' | MBMS Data Object | AUTHENTICATE command parameter, in MBMS security context |
| '53' | MBMS operation response Data Object  The following tags are encapsulated within '53'  'DB' successful MBMS operation tag | Response to AUTHENTICATE command, in MBMS security context |
| '73' | Key Derivation Data Object  The following tags are encapsulated within '73'  '80' Local Key Establishment Control tag  '81' Counter limit tag  '82' Request MAC tag  '83' NAF\_ID tag  '84' Terminal\_ID tag  '85' Terminal\_appli\_ID\_tag  '86' UICC\_appli\_ID tag  '87' RANDx tag  'A0' Key Identifier tag | AUTHENTICATE command parameter, in Local Key Establishment security context |
| '73' | Key Derivation Operation Response Object  The following tags are encapsulated within '73'  '80' Local Key Establishment Control tag  '82' Request MAC tag | Response to AUTHENTICATE command, in Local Key Establishment security context |
| '73' | Key Availability Check Data Object  The following tags are encapsulated within '73'  '80' Local Key Establishment Control tag  'A0' Key Identifier tag | AUTHENTICATE command parameter in Local Key Establishment security context |
| '80' | NAF\_ID tag | GBA NAF List (EFGBANL) |
| '80' | NAF Key Centre address tag | NAF Key Centre Address (EFNAFKCA) |
| '80' | Icon Tag (Icon link is URI) | Service Provider Name Icon (EFSPNI) |
| '80' | Reauthentication Identity tag | WLAN Reauthentication Identity (EFWRI) |
| '80' | NAS signalling priority Tag | Non Access Stratum Configuration (EFNASCONFIG) |
| '80' | MMS Implementation tag | MMS User Preference (EFMMSUP)  Multimedia Messages List (EFMML) |
| '80' | IARI TLV TAG | UICC IARI (EFUICCIARI) |
| '80' | Graphics CSG Type tag (Icon link is URI) | CSG Type (EFCSGT) |
| '80' | HNB Name tag | Home NodeB Name (EFHNBN) |
| '80' | PLMN Additional information tag | PLMN Network Name (EFPNN) |
| '80' | ICE Free Format Label tag | In Case of Emergency – Free Format (EFICE-FF) |
| '80' | HPLMN ProSe Function tag | Address of the HPLMN ProSe Function (EFPROSEFUNC) |
| '80' | ProSe Group Counter | Counter for ProSe group (EFPROSE\_GC) |
| '80' | ProSe ServerAddress tag | Server address for usage information reports (EFPROSE\_UIRC) |
| '80' | Home ePDG Identifier TLV | Home ePDG Identifier (EFePDGId) |
| '80' | ePDG Selection Information TLV | ePDG Selection Information (EFePDGSelection) |
| '80' | Emergency ePDG Identifier TLV | Emergency ePDG Identifier (EFePDGIdEm) |
| '80' | ePDG Selection Information for Emergency Services TLV | ePDG Selection Information for Emergency Services (EFePDGSelectionEm) |
| '80' | XCAP\_conn\_params\_policy TLV TAG | EFXCAPConfigData |
| '80' | Serving network name TLV tag | EFTN3GPPSNN |
| '80' | IMS configuration data encoding | EFIMSConfigData |
| '81' | IMS configuration data | EFIMSConfigData |
| '80' | KAUSF tag | EF5GAUTHKEYS |
| '80' | Protection Scheme Identifier List data object tag | Protection Scheme Identifier List (EFSUCI\_Calc\_Info) |
| '80' | Network Specific Identifier TLV data object tag | SUPI as Network Access Identifier (EFSUPI\_NAI) |
| '80' | SOR-CMCI data object tag | EFSOR-CMCI |
| '81' | Global Line Identifier Tag TLV data object tag | SUPI as Network Access Identifier (EFSUPI\_NAI) |
| '82' | Global Cable Identifier TLV data object tag | SUPI as Network Access Identifier (EFSUPI\_NAI) |
| '80' | MuD\_and\_MiD\_configuration\_data encoding | EFMuDMiDConfigData |
| '81' | MuD\_and\_MiD\_configuration\_data | EFMuDMiDConfigData |
| '81' | B-TID tag | GBA NAF List (EFGBANL) |
| '81' | Icon Tag (Icon link is record number) | Service Provider Name Icon (EFSPNI) |
| '81' | Master key tag | WLAN Reauthentication Identity (EFWRI) |
| '81' | Time Stamp counter tag | MBMS User Key (EFMUK) |
| '81' | MMS User preference profile name tag | MMS User Preference (EFMMSUP) |
| '81' | Login Tag | Network Connectivity Parameters for USIM IP connections (EFNCP-IP) |
| '81' | NMO I Behaviour Tag | Non Access Stratum Configuration (EFNASCONFIG) |
| '81' | Graphics CSG Type tag (Icon link is record number) | CSG Type (EFCSGT) |
| '81' | ICE Free Format Content tag | In Case of Emergency – Free Format (EFICE-FF) |
| '81' | MM File Identifier / SFI tag | Multimedia Messages List (EFMML) |
| '81' | ProSe CollectionPeriod tag | Collection Period Parameter (EFPROSE\_UIRC) |
| '82' | Counter tag | WLAN Reauthentication Identity (EFWRI) |
| '82' | MMS User Preference information tag | MMS User Preference (EFMMSUP) |
| '82' | Password Tag | Network Connectivity Parameters for USIM IP connections (EFNCP-IP) |
| '82' | Attach with IMSI Tag | Non Access Stratum Configuration (EFNASCONFIG) |
| '82' | MM Content Data Object Tag | Multimedia Messages List (EFMML) |
| '82' | ProSe ReportingWindow tag | Reporting Window Parameter (EFPROSE\_UIRC) |
| '82' | KSEAF for non-3GPP access tag | EF5GAUTHKEYS |
| '80' | Home Network Public Key Identifier tag | Home Network Public Key Identifier (EFSUCI\_Calc\_Info) |
| '81' | KSEAF for 3GPP access tag | EF5GAUTHKEYS |
| '83' | Data Destination Address Range Tag | Network Connectivity Parameters for USIM IP connections (EFNCP-IP) |
| '83' | Minimum Periodic Search Timer Tag | Non Access Stratum Configuration (EFNASCONFIG) |
| '83' | MM Size tag | Multimedia Messages List (EFMML) |
| '83' | SOR counter tag | EF5GAUTHKEYS |
| '84' | UE parameter update counter tag | EF5GAUTHKEYS |
| '83' | ProSe ReportGroupParameters tag | Reporting Parameter for Goups (EFPROSE\_UIRC) |
| '81' | Home Network Public Key tag | Home Network Public Key  (EFSUCI\_Calc\_Info) |
| '84' | Bearer Description Tag | Network Connectivity Parameters for USIM IP connections (EFNCP-IP) |
| '84' | Extended access barring Tag | Non Access Stratum Configuration (EFNASCONFIG) |
| '84' | MM Status tag | Multimedia Messages List (EFMML) |
| '84' | ProSe ReportTimeStampsFirstTransmissionAndReception tag | Reporting Parameter (EFPROSE\_UIRC) |
| '85' | Timer T3245 Behaviour Tag | Non Access Stratum Configuration (EFNASCONFIG) |
| '85' | MM Alpha Identifier tag | Multimedia Messages List (EFMML) |
| '85' | ProSe ReportDataTransmitted tag | Reporting Parameter for transmitted Data (EFPROSE\_UIRC) |
| '86' | Override NAS signalling low priority Tag | Non Access Stratum Configuration (EFNASCONFIG) |
| '86' | ProSe ReportDataReceived tag | Reporting Parameter for received Data (EFPROSE\_UIRC) |
| '86' | PLMN-ID tag | PLMN-ID (EF5GS 3GPP Access NAS Security Context) |
| '87' | Override Extended access barring Tag | Non Access Stratum Configuration (EFNASCONFIG) |
| '87' | ProSe ReportTimeStampsOutOfCoverage tag | Reporting Parameter (EFPROSE\_UIRC) |
| '88' | Fast First Higher Priority PLMN Search Tag | Non Access Stratum Configuration (EFNASCONFIG) |
| '88' | ProSe ReportLocationInCoverage tag | Reporting Parameter (EFPROSE\_UIRC) |
| '89' | Text CSG Type tag | CSG Type (EFCSGT) |
| '89' | E-UTRA Disabling Allowed for EMM cause #15 Tag | Non Access Stratum Configuration (EFNASCONFIG) |
| '89' | ProSe ReportRadioParameters tag | Reporting Parameter for Radio Parameters (EFPROSE\_UIRC) |
| '8A' | SM RetryWaitTime Tag | Non Access Stratum Configuration (EFNASCONFIG) |
| '8B' | SM RetryAtRATChange Tag | Non Access Stratum Configuration (EFNASCONFIG) |
| '8C' | Default\_DCN\_ID Tag | Non Access Stratum Configuration (EFNASCONFIG) |
| '8D' | Exception Data Reporting Allowed Tag | Non Access Stratum Configuration (EFNASCONFIG) |
| '8E' | RLOSPreferredPLMNList Tag | Non Access Stratum Configuration (EFNASCONFIG) |
| '8F' | RLOSAllowedMCCList Tag | Non Access Stratum Configuration (EFNASCONFIG) |
| '90' | No E-UTRA Disabling In 5GS Tag | Non Access Stratum Configuration (EFNASCONFIG) |
| 'A0' | MUK ID tag  The following tags are encapsulated within 'A0'  '80' MUk IDr tag  '82' MUk IDi tag | MBMS User Key (EFMUK) |
| 'A0' | EPS NAS security Context tag  The following tags are encapsulated within 'A0'  '80' Key set identifier KSIASME Tag  '81' ASME key (KASME) Tag  '82' Uplink NAS count Tag  '83' Downlink NAS count Tag  '84' Identifiers of selected NAS integrity and encryption algorithms Tag | EPS NAS Security Context (EFEPSPSC) |
| 'A0' | CSG List TLV object tag  The following tags are encapsulated within 'A0'  '80' PLMN tag  '81' CSG Information tag | Allowed CSG List (EFACSGL) |
| 'A0' | GSM cell information  The following tags are encapsulated within 'A0':  '80' GSM Camping Frequency Information data object  '81' GSM Neighbour Frequency Information data object | Network Parameters (EFNETPAR) |
| 'A0' | Operator CSG List TLV object Tag  The following tags are encapsulated within 'A0'  '80' PLMN Tag  '81' CSG Information Tag  '82' CSG Display indicator tag | Operator CSG Lists (EFOCSGL) |
| 'A0' | ProSe Discovery monitoring parameters  The following tags are encapsulated within 'A0':  '80' PLMN tag  '81' RFU  '82' Model tag | ProSe Monitoring Parameters (EFPROSE\_MON) |
| 'A0' | ProSe Discovery announcing parameters  The following tags are encapsulated within 'A0':  '80' PLMN tag  '81' Range tag  '82' Model tag | ProSe Announcing Parameters (EFPROSE\_ANN) |
| 'A0' | ProSe Policy parameters  The following tags are encapsulated within 'A0':  '80' ProSe Layer-2 Group ID tag  '81' ProSe UE ID tag  '82' ProSe Group IP multicast address tag  '83' Address type tag  '84' Ipv4 address as source tag  '85' Group related security tag  '86' Application Layer Group ID tag | ProSe Policy Parameters (EFPROSE\_POLICY) |
| 'A0' | ProSe PLMN Parameters tag  The following tags are encapsulated within 'A0'  '80' PLMN tag  '81' Direct communication authorisation tag | ProSe PLMN Parameters (EFPROSE\_PRMN) |
| 'A0' | ProSe Direct Communication parameters tag  The following tags are encapsulated within 'A0'  '80' Geographical Area – Polygon tag  '81' Radio parameters tag | ProSe Direct Communication Radio Parameters (EF PROSE\_RADIO\_COM) |
| 'A0' | ProSe Radio parameters tag  The following tags are encapsulated within 'A0'  '80' Geographical Area – Polygon tag  '81' Radio parameters tag | ProSe Direct Discovery Monitoring Radio Parameters (EFPROSE\_RADIO\_MON) |
| 'A0' | ProSe Radio parameters tag  The following tags are encapsulated within 'A0'  '80' Geographical Area – Polygon tag  '81' Radio parameters tag | ProSe Direct Discovery Announcing Radio Parameters (EFPROSE\_RADIO\_ANN) |
| 'A0' | ACDC OS tag | ACDC List (EFACDC\_LIST) |
| 'A0' | ACDC App Id tag  The following tags are encapsulated within 'A0'  '80' ACDC category tag  '81' OS App Id tag | ACDC OS Configuration (EFACDC\_OS\_CONFIG) |
| 'A0' | Group member discovery parameters tag  The following tags are encapsulated within 'A0'  '80' User Info ID tag  '81' Discovery Group ID tag  '82' Application Layer Group ID tag | ProSe Group Member Discovery Parameters (EFPROSE\_GM\_DISCOVERY) |
| 'A0' | ProSe Relay Parameters tag  The following tags are encapsulated within 'A0'  '80' PLMN tag  '81' Relay type tag | ProSe Relay Parameters (EFPROSE\_RELAY) |
| 'A0' | Remote UE parameters tag  The following tags are encapsulated within 'A0'  '80' Relay Service Code tag  '81' User Info ID of Relay tag  '82' IP Versions tag  '83' Security content tag | ProSe Relay Discovery Parameters (EFPROSE\_RELAY\_DISCOVERY) |
| 'A0' | TMGI List Tag | TV Configuration (EFTVCONFIG) |
| 'A0' | USD Tag | TV User Service Description (EFTVUSD) |
| 'A0' | XCAP\_conn\_params\_policy part tag  The following tags are encapsulated within 'A0'  '81' AccessForXCAPTag  '82' Number of XCAP connection parameters policy part TLV's Tag  'A1' XCAP connection parameters policy part tag | EFXCAPConfigData |
| 'A0' | EARFCN List tag  The following tags are encapsulated within 'A0'  '80' EARFCN tag  '81' Geographical Area – Polygon tag | EARFCN list for MTC/NB-IOT UEs (EFEARFCNList) |
| 'A0' | 5GS 3GPP access NAS security Context tag or 5GS non-3GPP access NAS security Context tag  The following tags are encapsulated within 'A0'  '80' ngKSITag  '81' KAMF Tag  '82' Uplink NAS count Tag  '83' Downlink NAS count Tag  '84' Identifiers of selected NAS integrity and encryption algorithms Tag  '85' Identifiers of selected EPS NAS integrity and encryption algorithms for use after mobility to EPS Tag | 5GS 3GPP Access NAS Security Context (EF5GS3GPPSNSC) or  5GS non-3GPP Access NAS Security Context (EF5GSN3GPPSNSC) |
| 'A0' | Protection Scheme Identifier List data object tag | Protection Scheme Identifier List (EFSUCI\_Calc\_Info) |
| 'A0' | V2X data policy over PC5 data object tag  The following tags are encapsulated within 'A0'  '80' Served by E-UTRA or served by NR Tag  '81' Not Served by E-UTRA or not served by NR Tag  '82' V2X service identifier to Tx profiles mapping rules Tag  '83' Privacy config Tag  '84' V2X communication over PC5 in E-UTRA Tag  '85' V2X communication over PC5 in NR Tag | V2X data policy over PC5 (EFV2XP\_PC5) |
| 'A0' | V2X data policy over Uu\_data object tag  The following tags are encapsulated within 'A0'  '80' V2X service identifier to PDU session parameters mapping rules Tag  '81' PLMN infos Tag | V2X data policy over PC5 (EFV2XP\_Uu) |
| 'A0' | 5G ProSe configuration data for direct discovery Tag  The following tags are encapsulated within 'A0'  '80' Served by NG-RAN Tag  '81' Not served by NG-RAN Tag  '82' ProSe identifiers Tag  '83' ProSe identifier to default destination layer-2 ID for initial discovery signalling mapping rules Tag  '84' Group member discovery parameters Tag  '85' Validity timer Tag  '86' ProSe direct discovery UE ID Tag | 5G ProSe configuration data for direct discovery (EF5G\_PROSE\_DD) |
| 'A0' | 5G ProSe configuration data for direct communication Tag  The following tags are encapsulated within 'A0'  '80' Served by NG-RAN Tag  '81' Not served by NG-RAN Tag  '87' Privacy config Tag  '88' 5G ProSe direct communication in NR-PC5 Tag  '89' ProSe application to path preference mapping rules Tag  '85' Validity timer Tag  '91'….ProSe identifiers to NR Tx profile for broadcast and groupcast mapping rules Tag | 5G ProSe configuration data for direct communication (EF5G\_PROSE\_DC) |
| 'A0' | 5G ProSe configuration data for UE-to-network relay UE Tag  The following tags are encapsulated within 'A0'  '80' Served by NG-RAN Tag  '81' Not served by NG-RAN Tag  '8A' Default destination layer-2 IDs for sending the discovery signalling for announcement and additional information and for receiving the discovery signalling for solicitation Tag  '8B' RSC info list Tag  '8C' 5QI to PC5 QoS parameters mapping rules Tag  '8D' ProSe identifier to ProSe application server address mapping rules Tag  '85' Validity timer Tag  '8E' User info ID for discovery Tag  '92' Privacy timer Tag  '93' 5G PKMF addressing information Tag | 5G ProSe configuration data for UE-to-network relay UE (EF5G\_PROSE\_U2NRU) |
| 'A0' | 5G ProSe configuration data for remote UE Tag  The following tags are encapsulated within 'A0'  '80' Served by NG-RAN Tag  '81' Not served by NG-RAN Tag  '8F' Default destination layer-2 IDs for sending the discovery signalling for solicitation and for receiving the discovery signalling for announcement and additional information Tag  '8B' RSC info list Tag  '90' N3IWF selection information for 5G ProSe layer-3 remote UE Tag  '85' Validity timer Tag  '8E' User info ID for discovery Tag | 5G ProSe configuration data for remote UE (EF5G\_PROSE\_RU) |
| 'A0' | 5G ProSe configuration data for usage reporting information Tag  The following tags are encapsulated within 'A0'  '85' Validity timer Tag  '94' Collection period Tag  '95' Reporting window Tag  '96' Reporting indicators Tag  '97' 5G DDNMF CTF address for uploading the usage information reports Tag | 5G ProSe configuration data for usage reporting information (EF5G\_PROSE\_UIR) |
| 'A1' | XCAP connection parameters policy part tag  The following tags are encapsulated within 'A0'  '81' AccessTag  '82' Application nameTag  '83' Provider ID Tag  '84' URI Tag  '85' XCAP Aithentication User Name Tag  '86' XCAP Authentication password Tag  '87'…XCAP Authentication type Tag  '88'…Address type Tag  '89'…Address Tag  '8A'…PDP Authentication type Tag  '8B'…PDP Authentication Name Tag | EFXCAPConfigData |
| 'A1' | FDD cell information  The following tags are encapsulated within 'A1':  '80' FDD Intra Frequency Information data object  '81' FDD Inter Frequency Information data object | Network Parameters (EFNETPAR) |
| 'A1' | Relay parameters tag  The following tags are encapsulated within 'A0'  '80' Relay Service Code tag  '81' PDN type tag  '82' APN tag  '83' ProSe Relay UE ID tag  '84' Security content tag | ProSe Relay Discovery Parameters (EFPROSE\_RELAY\_DISCOVERY) |
| 'A1' | EARFCN List Tag | TV Configuration (EFTVCONFIG) |
| 'A1' | SUCI TLV data object tag | Response to GET IDENTITY |
| 'A1' | Home Network Public Key List data object  The following tags are encapsulated under 'A1'  '80' Home Network Public Key Identifier tag  '81' Home Network Public Key tag | Home Network Public Key List  (EFSUCI\_Calc\_Info) |
| 'A2' | TDD frequency information  The following tags are encapsulated within 'A2':  '80' TDD Intra Frequency Information data object  '81' TDD Inter Frequency Information data object | Network Parameters (EFNETPAR) |
| 'A3' | Service provider display information  The following tags are encapsulated within 'A3':  '80' Service provider PLMN list | Service Provider Display Information (EFSPDI) |
| 'A8' | Indicator for type 1 EFs (amount of records equal to master EF)  The following tags are encapsulated within 'A8':  'C0' EFADN data object  'C1' EFIAP data object  'C3' EFSNE data object  'C4' EFANR data object  'C5' EFPBC data object  'C6' EFGRP data object  'C9' EFUID data object  'CA' EFEMAIL data object  'CC' EFPURI data object | Phone Book Reference File (EFPBR) |
| 'A9' | Indicator for type 2 EFs (EFs linked via the index administration file)  The following tags are encapsulated within 'A9':  'C3' EFSNE data object  'C4' EFANR data object  'CA' EFEMAIL data object  'CC' EFPURI data object | Phone Book Reference File (EFPBR) |
| 'AA' | Indicator for type 3 EFs (EFs addressed inside an object using a record identifier as a pointer)  The following tags are encapsulated within 'AA':  'C2' EFEXT1 data object  'C7' EFAAS data object  'C8' EFGAS data object  'CB' EFCCP1 data object | Phone Book Reference File (EFPBR) |
| 'AB' | MMS Connectivity Parameters:  The following are encapsulated under 'AB':  '80' MMS Implementation Tag  '81' MMS Relay/Server Tag  '82' Interface to core network and bearer Tag  '83' Gateway Tag  '84' Reserved for 3GPP2: MMS Authentication Mechanism Tag  '85' Reserved for 3GPP2: MMS Authentication User Name Tag | MMS Connectivity Parameters (EFMMSICP / EFMMSUCP) |
| 'DB' | Successful 3G authentication | Response to AUTHENTICATE |
| 'DB' | Successful VGCS/VBS operation authentication tag | Response to AUTHENTICATE |
| 'DB' | Successful GBA operation tag | Response to AUTHENTICATE |
| 'DC' | Synchronisation failure | Response to AUTHENTICATE |
| 'DD' | Access Point Name | APN Control List (EFACL) |
| 'DD' | GBA Security Context Bootstrapping Mode tag | AUTHENTICATE command parameter, in GBA security context |
| 'DE' | GBA Security Context NAF Derivation Mode tag | Response to AUTHENTICATE |

NOTE: the value 'FF' is an invalid tag value. For ASN.1 tag assignment rules see ISO/IEC 8825-1 [35]

\* \* \* Next Change \* \* \* \*

Annex E (informative):  
Suggested contents of the EFs at pre‑personalization

If EFs have an unassigned value, it may not be clear from the main text what this value should be. This annex suggests values in these cases.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| File Identification | | | Description | | | Value | | |
| '2F00' | | | Application directory | | | Card issuer/operator dependent | | |
| '2F05' | | | Preferred languages | | | 'FF…FF' | | |
| '2F06' | | | Access rule reference | | | Card issuer/operator dependent | | |
| '2F08' | | | UICC Maximum Power Consumption | | | Card issuer/operator dependent | | |
| '2FE2' | | | ICC identification | | | operator dependent | | |
| '4F01' | | | ProSe Monitoring Parameters | | | Operator dependent | | |
| '4F01' | | | ACDC List | | | Operator dependent | | |
| '4F01' | | | MCS Service Table | | | '0000' | | |
| '4F01' | | | V2X Service Table | | | Operator dependent | | |
| '4F01' | | | 5GS 3GPP location information | | | 'FFFFFFFFFFFFFFFFFFFFFFFFFF xxxxxx 000000 01' (see NOTE 2) | | |
| '4F01' | | | 5G ProSe Service Table | | | Operator dependent | | |
| ‘4F01’ | | | PWS configuration in SNPN | | | Operator dependent | | |
| '4F02' | | | V2X configuration data | | | Operator dependent | | |
| '4F02' | | | ProSe Announcing Parameters | | | Operator dependent | | |
| '4F02' | | | MCS configuration data | | | Operator dependent | | |
| '4F02' | | | 5GS non-3GPP location information | | | 'FFFFFFFFFFFFFFFFFFFFFFFFFF xxxxxx 000000 01' (see NOTE 2) | | |
| '4F02' | | | 5G ProSe configuration data for direct discovery | | | Operator dependent | | |
| '4F03' | | | HPLMN ProSe Function | | | Operator dependent | | |
| '4F03' | | | 5GS 3GPP Access NAS Security Context | | | 'FF…FF' | | |
| '4F03' | | | V2X data policy over PC5 | | | Operator dependent | | |
| '4F03' | | | 5G ProSe configuration data for direct communication | | | Operator dependent | | |
| '4F04' | | | ProSe Direct Communication Radio Parameters | | | Operator dependent | | |
| '4F04' | | | 5GS non-3GPP Access NAS Security Context | | | 'FF…FF' | | |
| '4F04' | | | V2X data policy over Uu | | | Operator dependent | | |
| '4F04' | | | 5G ProSe configuration data for UE-to-network relay UE | | | Operator dependent | | |
| '4F05' | | | ProSe Direct Discovery Monitoring Radio Parameters | | | Operator dependent | | |
| '4F05' | | | 5G authentication keys | | | 'FF…FF' | | |
| '4F05' | | | 5G ProSe configuration data for remote UE | | | Operator dependent | | |
| '4F06' | | | ProSe Direct Discovery Announcing Radio Parameters | | | Operator dependent | | |
| '4F06' | | | UAC Access Identities Configuration | | | Operator dependent | | |
| '4F0Y' | | | 5G ProSe configuration data for usage reporting information | | | Operator dependent | | |
| '4F07' | | | ProSe Policy Parameters | | | Operator dependent | | |
| '4F07' | | | Subscriber Concealed Identifier Calculation Information | | | Operator dependent | | |
| '4F08' | | | 5GS Operator PLMN List | | | Operator dependent | | |
| '4F08' | | | ProSe PLMN Parameters | | | Operator dependent | | |
| '4F09' | | | SUPI as Network Access Identifier | | | Operator dependent | | |
| '4F09' | | | ProSe Group Counter | | | 'FF…FF' | | |
| '4F0A' | | | Routing Indicator | | | 'F0FFFFFF' | | |
| '4F0B' | | | UE Route Selection Policies | | | Operator dependent | | |
| '4F0C' | | | Trusted non-3GPP Serving network name list | | | Operator dependent | | |
| '4F0D' | | | Pre-configured CAG information list | | | Operator dependent | | |
| '4F0E' | | | Steering of roaming connected mode control information | | | Operator dependent | | |
| '4F0F' | | | Disaster roaming information | | | Operator dependent | | |
| '4F10' | | | ProSe Service Table | | | Operator dependent | | |
| ‘4F10' | | | 5GS eDRX Parameters | | | Operator dependent | | |
| '4F11' | | | ProSe UsageInformationReportingConfiguration | | | Operator dependent | | |
| '4F11' | | | 5G Non-Seamless WLAN Offload configuration | | | Operator dependent | | |
| '4F12' | | | ProSe Group Member Discovery Parameters | | | Operator dependent | | |
| '4F13' | | | ProSe Relay Parameters | | | Operator dependent | | |
| '4F14' | | | ProSe Relay Discovery Parameters | | | Operator dependent | | |
| '4F15' | | | Multiplier coefficient for Higher Priority PLMN search via NG-RAN satellite access | | | Operator dependent | | |
| '4F20' | | | Image data | | | '00FF...FF' | | |
| '4F20' | | | GSM Ciphering key Kc | | | 'FF...FF07' | | |
| '4FXX' | | | Image instance data files | | | 'FF…FF' | | |
| '4FXX' | | | ACDC OS Configuration | | | Operator dependent | | |
| '4FXX' | | | TV User Service Description | | | Operator dependent | | |
| '4F21' | | | ICE graphics | | | 'FF…FF' | | |
| '4FXX' | | | Unique identifier | | | '0000' | | |
| '4F22' | | | Phone book synchronisation counter | | | '00000000' | | |
| '4F23' | | | Change counter | | | '0000' | | |
| '4F24' | | | Previous unique identifier | | | '0000' | | |
| '4F30' | | | Phone book reference file | | | Operator dependent | | |
| '4F30' | | | SoLSA Access Indicator | | | '00FF...FF' | | |
| '4F31' | | | SoLSA LSA List | | | 'FF...FF' | | |
| '4FXX' | | | LSA Descriptor files | | | 'FF…FF' | | |
| '4FXX' | | | Capability configuration parameters 1 | | | 'FF…FF' | | |
| '4F52' | | | GPRS Ciphring key KcGPRS | | | 'FF...FF07' | | |
| '4F63' | | | CPBCCH Information | | | 'FF..FF' | | |
| '4F64' | | | Investigation PLMN scan | | | '00' | | |
| '4FXX' | | | E-mail addresses | | | 'FF…FF' | | |
| '4FXX' | | | Additional number alpha string | | | 'FF…FF' | | |
| '4FXX' | | | Second name entry | | | 'FF…FF' | | |
| '4FXX' | | | Abbreviated dialling numbers | | | 'FF...FF' | | |
| '4FXX' | | | Grouping file | | | '00…00' | | |
| '4FXX' | | | Grouping information alpha string | | | 'FF…FF' | | |
| '4FXX' | | | Phone book control | | | '0000' | | |
| '4FXX' | | | Index administration phone book | | | 'FF…FF' | | |
| '4FXX' | | | Additional number | | | 'FF…FF' | | |
| '4FXX' | | | Extension 1 | | | '00FF...FF' | | |
| '4F41' | | | Pseudonym | | | '0000FF…FF' | | |
| '4F42' | | | User Controlled PLMN selector for I-WLAN | | | 'FF…FF' | | |
| '4F43' | | | Operator Controlled PLMN selector for I-WLAN | | | Operator dependent | | |
| '4F44' | | | User Controlled WSID list | | | '00FF…FF' | | |
| '4F45' | | | Operator controlled WSID list | | | Operator dependent | | |
| '4F46' | | | WLAN Reauthentication Identity | | | 'FF…FF' | | |
| '4F47' | | | Home I-WLAN Specific Identifier List | | | Operator dependent | | |
| '4F47' | | | Multimedia Messages List | | | 'FF…FF' | | |
| '4F48' | | | I-WLAN Equivalent HPLMN Presentation Indication | | | Operator dependent | | |
| '4F48' | | | Multimedia Messages Data File | | | 'FF…FF' | | |
| '4F49' | | | I-WLAN HPLMN Indication | | | Operator dependent | | |
| '4F4A' | | | I-WLAN Last Registered PLMN | | | 'FFFFFF' | | |
| '4F4B' | | | HPLMN Direct Access Indicator | | | Operator dependent | | |
| '4F81' | | | Allowed CSG lists | | | Operator dependent | | |
| '4F82' | | | CSG Type | | | Operator dependent | | |
| '4F83' | | | HNB name | | | Operator dependent | | |
| '4F84' | | | Operator CSG lists | | | Operator dependent | | |
| '4F85' | | | Operator CSG Type | | | Operator dependent | | |
| '4F86' | | | Operator HNB name | | | Operator dependent | | |
| '6F01' | | | enhanced AKA support | | | Operator dependent | | |
| '6F05' | | | Language indication | | | 'FF…FF' | | |
| '6F06' | | | Access rule reference (under ADFUSIM and DFTELECOM) | | | Card issuer/operator dependent | | |
| '6F07' | | | IMSI | | | Operator dependent | | |
| '6F08' | | | Ciphering and integrity keys | | | '07FF…FF' | | |
| '6F09' | | | Ciphering and integrity keys for packet switched domain | | | '07FF…FF' | | |
| '6F2C' | | | De-personalization control keys | | | 'FF…FF' | | |
| '6F31' | | | Higher Priority PLMN search period | | | 'FF' | | |
| '6F32' | | | Co-operative network list | | | 'FF…FF' | | |
| '6F37' | | | ACM maximum value | | | '000000' (see note 1) | | |
| '6F38' | | | USIM service table | | | Operator dependent | | |
| '6F39' | | | Accumulated call meter | | | '000000' | | |
| '6F3B' | | | Fixed dialling numbers | | | 'FF...FF' | | |
| '6F3C' | | | Short messages | | | '00FF...FF' | | |
| '6F3E' | | | Group identifier level 1 | | | Operator dependent | | |
| '6F3F' | | | Group identifier level 2 | | | Operator dependent | | |
| '6F40' | | | MSISDN storage | | | 'FF...FF' | | |
| '6F41' | | | PUCT | | | 'FFFFFF0000' | | |
| '6F42' | | | SMS parameters | | | 'FF...FF' | | |
| '6F43' | | | SMS status | | | 'FF...FF' | | |
| '6F45' | | | CBMI | | | 'FF...FF' | | |
| '6F46' | | | Service provider name | | | Operator dependent | | |
| '6F47' | | | Short message status reports | | | '00FF…FF' | | |
| '6F48' | | | CBMID | | | 'FF...FF' | | |
| '6F49' | | | Service Dialling Numbers | | | 'FF...FF' | | |
| '6F4B' | | | Extension 2 | | | '00FF...FF' | | |
| '6F4C' | | | Extension 3 | | | '00FF...FF' | | |
| '6F4D' | | | Barred Dialling Numbers | | | 'FF...FF' | | |
| '6F4E' | | | Extension 5 | | | '00FF...FF' | | |
| '6F4F' | | | Capability configuration parameters 2 | | | 'FF...FF' | | |
| '6F50' | | | CBMIR | | | 'FF...FF' | | |
| '6F54' | | | SetUp Menu Elements | | | Operator dependent | | |
| '6F55' | | | Extension 4 | | | '00FF...FF' | | |
| '6F56' | | | Enabled services table | | | Operator dependent | | |
| '6F57' | | | Access point name control list | | | '00FF…FF' | | |
| '6F58' | | | Comparison method information | | | 'FF…FF' | | |
| '6F5B' | | | Initialisation value for Hyperframe number | | | 'F0 00 00 F0 00 00' | | |
| '6F5C' | | | Maximum value of START | | | Operator dependent | | |
| '6F60' | | | User controlled PLMN selector with Access Technology | | | 'FFFFFF0000..FFFFFF0000' | | |
| '6F61' | | | Operator controlled PLMN selector with Access Technology | | | 'FFFFFF0000..FFFFFF0000' | | |
| '6F62' | | | HPLMN selector with Access Technology | | | 'FFFFFF0000..FFFFFF0000' | | |
| '6F73' | | | Packet switched location information | | | 'FFFFFFFF FFFFFF xxxxxx 0000 FF 01' (see note 2) | | |
| '6F78' | | | Access control class | | | Operator dependent | | |
| '6F7B' | | | Forbidden PLMNs | | | 'FF...FF' | | |
| '6F7E | | | Location information | | | 'FFFFFFFF xxxxxx 0000 FF 01' (see note 2) | | |
| '6F80' | | | Incoming call information | | | 'FF…FF 000000 00 01FFFF' | | |
| '6F81' | | | Outgoing call information | | | 'FF…FF 000000 01FFFF' | | |
| '6F82' | | | Incoming call timer | | | '000000' | | |
| '6F83' | | | Outgoing call timer | | | '000000' | | |
| '6FAD' | | | Administrative data | | | Operator dependent | | |
| '6FB1' | | | Voice Group Call Service | | | Operator dependent | | |
| '6FB2' | | | Voice Group Call Service Status | | | Operator dependent | | |
| '6FB3' | | | Voice Broadcast Service | | | Operator dependent | | |
| '6FB4' | | | Voice Broadcast Service Status | | | Operator dependent | | |
| '6FB5' | | | EMLPP | | | Operator dependent | | |
| '6FB6' | | | AaeM | | | '00' | | |
| '6FB7' | | | Emergency call codes | | | Operator dependent | | |
| '6FC3' | | | Key for hidden phone book entries | | | 'FF…FF' | | |
| '6FC4' | | | Network Parameters | | | 'FF…FF' | | |
| '6FC5' | | | PLMN Network Name | | | Operator dependent | | |
| '6FC6' | | | Operator Network List | | | Operator dependent | | |
| '6FC7' | | | Mailbox Dialling Numbers | | | Operator dependent | | |
| '6FC8' | | | Extension 6 | | | '00 FF...FF' | | |
| '6FC9' | | | Mailbox Identifier | | | Operator dependent | | |
| '6FCA' | | | Message Waiting Indication Status | | | '00 00 00 00 00' | | |
| '6FCB' | | | Call Forwarding Indication Status | | | 'xx 00 FF...FF' | | |
| '6FCC' | | | Extension 7 | | | '00 FF...FF' | | |
| '6FCD' | | | Service Provider Display Information | | |  | | |
| '6FCE' | | | MMS Notification | | | '00 00 00 FF…FF' | | |
| '6FCF' | | | Extension 8 | | | '00FF...FF' | | |
| '6FD0' | | | MMS Issuer Connectivity Parameters | | | 'FF…FF' | | |
| '6FD1' | | | MMS User Preferences | | | 'FF…FF' | | |
| '6FD2' | | | MMS User Connectivity Parameters | | | 'FF…FF' | | |
| '6FD3' | | | Network's Indication of Alerting (NIA) | | | 'FF...FF' | | |
| '6FD4' | | | Voice Group Call Service Ciphering Algorithm | | | '00…00' | | |
| '6FD5' | | | Voice Broadcast Service Ciphering Algorithm | | | '00…00' | | |
| '6FD6' | | | GBA Bootstrapping parameters | | | 'FF…FF' | | |
| '6FD7' | | | MBMS Service Keys List | | | 'FF…FF' | | |
| '6FD8' | | | MBMS User Key | | | 'FF…FF' | | |
| '6FD9' | | | EHPLMN | | | 'FF…FF' or xxxxxx (see Note 2) | | |
| '6FDA' | | | GBA NAF List | | | 'FF…FF' | | |
| '6FDB' | | | EHPLMN Presentation Indication | | | '00' | | |
| '6FDC' | | | Last RPLMN Selection Indication | | | '00' | | |
| '6FDD' | | | NAF Key Centre Address | | | 'FF…FF' | | |
| '6FDE' | | | Service Provider Name Icon | | | '00 FF…FF' | | |
| '6FDF' | | | PLMN Network Name Icon | | | '00 FF…FF' | | |
| '6FE0' | | | In Case of Emergency – Dialling Number | | | Operator dependent | | |
| '6FE1' | | | In Case of Emergency – Free Format | | | Operator dependent | | |
| '6FE2' | | | Network Connectivity Parameters for UICC IP connections | | | Operator dependent | | |
| '6FE3' | | | EPS location information | | | 'FFFFFFFFFFFFFFFFFFFFFFFF xxxxxx0000 01' (see note 2) | | |
| '6FE4' | | | EPS NAS Security Context | | | 'FF…FF' | | |
| '6FE5' | | | Public Service Identity of the SM-SC | | | Operator dependent | | |
| '6FE6' | | | USAT Facility Control | | | '80 1E 60 C0 1E 90 00 80 04 00 00 00  00 00 00 00 00 F0 00 00 00 00 40 00  00 00 00 00 00 80' | | |
| '6FE7' | | | UICC IARI | | | Operator dependent | | |
| '6FE8' | | | Non Access Stratum Configuration | | | Operator dependent | | |
| '6FE9' | | | UICC certificate | | | Card Issuer / Operator dependent | | |
| '6FEA' | | | Relay Node ID | | | Operator dependent | | |
| '6FEB' | | | Max value of Secure Channel counter | | | FF..FF | | |
| '6FEC' | | | Public Warning System | | | Operator dependent | | |
| '6FED' | | | FDN URI | | | 'FF…FF' | | |
| '6FEE' | | | BDN URI | | | 'FF…FF' | | |
| '6FEF' | | | SDN URI | | | 'FF…FF' | | |
| '6FF0' | | | IMEI(SV) Allowed List | | | Operator dependent (at least 1 range of IMEI(SV) values) | | |
| '6FF1' | | | IMEI(SV) Pairing Status | | | 'FF…FF' | | |
| '6FF2' | | | IMEI(SV) Pairing Devices | | | 'FF…FF' | | |
| '6FF3' | | | Home ePDG Identifier | | | 'FF…FF' | | |
| '6FF4' | | | ePDG Selection Information | | | 'FF…FF' | | |
| '6FF5' | | | Emergency ePDG Identifier | | | 'FF…FF' | | |
| '6FF6' | | | ePDG Selection Information for Emergency Services | | | 'FF…FF' | | |
| '6FF7' | | | From Preferred | | | '00' | | |
| '6FF8' | | | IMSConfigData | | | Operator dependent | | |
| '6FF9' | | | 3GPPPSDATAOFF | | | Operator dependent | | |
| '6FFA' | | | 3GPPPSDATAOFFservicelist | | | Operator dependent | | |
| '6FFB' | | | TV Configuration | | | Operator dependent | | |
| '6FFC' | | | XCAP Configuration Data | | | Operator dependent | | |
| '6FFD' | | | EARFCN list for MTC/NB-IOT UEs | | | Operator dependent | | |
| '6FFE' | | | MuD and MiD Configuration Data | | | Operator dependent | | |

NOTE 1: The value '000000' means that ACMmax is not valid, i.e. there is no restriction on the ACM. When assigning a value to ACMmax, care should be taken not to use values too close to the maximum possible value 'FFFFFF', because the INCREASE command does not update EFACM if the units to be added would exceed 'FFFFFF'. This could affect the call termination procedure of the Advice of Charge function.

NOTE 2: xxxxxx stands for any valid MCC and MNC, coded according to TS 24.008 [9].

\* \* \* Next Change \* \* \* \*

# H.10 List of SFI Values at the DF 5G ProSe Level

|  |  |  |
| --- | --- | --- |
| File Identification | SFI | Description |
| '4F01' | '01' | 5G ProSe Service Table |
| '4F02' | '02' | 5G ProSe configuration data for direct discovery |
| '4F03' | '03' | 5G ProSe configuration data for direct communication |
| '4F04' | '04' | 5G ProSe configuration data for UE-to-network relay UE |
| '4F05' | '05' | 5G ProSe configuration data for remote UE |
| '4F0Y' | '06' | 5G ProSe configuration data for usage reporting information |

All other SFI values are reserved for future use.

\* \* \* End of Changes \* \* \* \*