# 4 Default values for UICC

All tests defined in the subsequent clauses apply to Terminals using card types specified in ETSI TS 102 221 [5], unless otherwise stated.

The following sequence of tests confirms:

a) the correct interpretation of data read from the USIM (Universal Subscriber Identification Module) by the Terminal;

b) the correct writing of data to the USIM by the Terminal;

c) the initiation of appropriate procedures by the Terminal;

d) High level protocols.

All tests apply to the USIM application on the UICC.

A USIM simulator will be required as part of the USS. Alternatively, to perform the logical tests, USIMs programmed with specific data may be used. The USIM data is not defined within the initial conditions of the tests unless it differs from the default values defined below.

## 4.1 Definition of default values for USIM-Terminal interface testing (Default UICC)

A USIM containing the following default values is used for all tests of this present document unless otherwise stated.

USIM AID value shall follows the PIX coding for '3GPP USIM' from ETSI TS 101 220 [54] annex E.

The service "Non-Access Stratum configuration by USIM" shall not be available unless otherwise specified.

For each data item, the logical default values and the coding within the elementary files (EF) of the USIM follow.

NOTE 1: Bx represents byte x of the coding.

NOTE 2: Unless otherwise defined, the coding values are hexadecimal.

### 4.1.1 Values of the EF's (Default UICC)

#### 4.1.1.1 EFIMSI (IMSI)

Logically: 2460813579

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Coding: | B1 | B2 | B3 | B4 | B5 | B6 | B7 | B8 | B9 |
| Hex | 06 | 21 | 64 | 80 | 31 | 75 | F9 | FF | FF |

4.1.1.2 EFAD (Administrative Data)

Logically:

Mode of operation: normal operation

Additional information: ciphering indicator feature disabled

Length of MNC in the IMSI: 3 digit

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Coding: | B1 | B2 | B3 | B4 |
| Hex | 00 | 00 | 00 | 03 |

#### 4.1.1.3 EFLOCI (Location Information)

Logically: LAI-MCC: 246

LAI-MNC: 081

LAI-LAC: 0001

TMSI: "FF .. FF"

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Coding: | B1 | B2 | B3 | B4 | B5 | B6 | B7 | B8 | B9 | B10 | B11 |
| Hex | FF | FF | FF | FF | 42 | 16 | 80 | 00 | 01 | FF | 00 |

#### 4.1.1.4 EFKeys (Ciphering and Integrity Keys)

Logically: Key Set Identifier KSI: 0x

Ciphering Keys CK: xx

Integrity Keys IK: xx

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Coding: | B1 | B2 | B3 | … | B16 | B17 | B18 | … | B30 | B31 | B32 | B33 |
| Hex | 0x | xx | xx | … | xx | xx | xx | … | xx | xx | xx | xx |

#### 4.1.1.5 EFKeysPS (Ciphering and Integrity Keys for Packet Switched domain)

Logically: Key Set Identifier KSI: 0x

Ciphering Keys CK: xx

Integrity Keys IK: xx

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Coding: | B1 | B2 | B3 | … | B16 | B17 | B18 | … | B31 | B32 | B33 |
| Hex | 0x | xx | xx | … | xx | xx | xx | … | xx | xx | xx |

#### 4.1.1.6 EFACC (Access Control Class)

Logically: One and one access class from 0 – 9, e.g. class 7 for which the coding is "00 80".

#### 4.1.1.7 EFFPLMN (Forbidden PLMNs)

Besides of the 4 mandatory EFFPLMN 2 optional EFFPLMN are defined according to TS 31.102 [4], clause 4.2.16.

Logically: PLMN1: 234 001 (MCC MNC)

PLMN2: 234 002

PLMN3: 234 003

PLMN4: 234 004

PLMN5: 234 005

PLMN6: 234 006

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Coding: | B1 | B2 | B3 | B4 | B5 | B6 | B7 | B8 | B9 | B10 | B11 | B12 |
| Hex | 32 | 14 | 00 | 32 | 24 | 00 | 32 | 34 | 00 | 32 | 44 | 00 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | B13 | B14 | B15 | B16 | B17 | B18 |  |  |  |  |  |  |
|  | 32 | 54 | 00 | 32 | 64 | 00 |  |  |  |  |  |  |

#### 4.1.1.8 EFUST (USIM Service Table)

Logically:

|  |  |  |  |
| --- | --- | --- | --- |
| Service n°1: |  | Local Phone Book | available |
| Service n°2: |  | Fixed Dialling Numbers (FDN) | available |
| Service n°6: |  | Barred Dialling Numbers (BDN) | available |
| Service n°17: |  | Group Identifier Level 1 | not available |
| Service n°18: |  | Group Identifier Level 2 | not available |
| Service n°20: |  | User controlled PLMN selector with Access Technology | available |
| Service n°27: |  | GSM Access | available |
| Service n°33: |  | shall be set to '1' | available |
| Service n°34: |  | Enabled Services Table | available |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Coding:** | **B1** | **B2** | **B3** | **B4** | **B5** |
| Binary | xx1x xx11 | xxxx xxxx | xxxx 1x00 | xxxx x1xx | xxxx xx11 |

The coding of EFUST shall conform with the capabilities of the USIM used.

#### 4.1.1.9 EFEST (Enable Service Table)

1.1.9 EFEST (Enable Service Table)

Logically:

|  |  |  |  |
| --- | --- | --- | --- |
| Service n°1: |  | Fixed Dialling Numbers (FDN) | deactivated |
| Service n°2: |  | Barred Dialling Numbers (BDN | deactivated |
| Service n°3: |  | APN Control List (ACL) | deactivated |

|  |  |
| --- | --- |
| **Coding:** | **B1** |
| Binary | xxxx x000 |

…

The coding of EFEST shall conform with the capabilities of the USIM, unused Bits are set to '0'.

#### 4.1.1.10 EFADN (Abbreviated Dialling Number)

Logically:

At least 10 records, each non empty record unique.

Record 1: Length of alpha identifier: 32 characters;

Alpha identifier: "ABCDEFGHIJKLMNOPQRSTUVWXYZABCDEF";

Length of BCD number: "03";

TON and NPI: Telephony and Unknown;

Dialled number: 123;

CCI: None;

Ext1: None.

Record 1:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Coding: | B1 | B2 | B3 | … | B32 | B33 | B34 | B35 | B36 | B37 | B38 | B39 | … | B46 |
| Hex | 41 | 42 | 43 | … | 46 | 03 | 81 | 21 | F3 | FF | FF | FF | … | FF |

#### 4.1.1.11 EFPLMNwACT (User Controlled PLMN Selector with Access Technology)

Besides of the 8 mandatory PLMNwACT entries 4 optional PLMNwACT entries are defined according to TS 31.102 [4], clause 4.2.5. The Radio Access Technology identifier for the first two PLMN (1st PLMN and 2nd PLMN) are set to both UTRAN and GSM, all other PLMN to UTRAN only.

Logically: 1st PLMN: 244 081 (MCC MNC)

1st ACT: UTRAN

2nd PLMN: 244 081

2nd ACT: GSM

3rd PLMN: 244 082

3rd ACT: UTRAN

4th PLMN: 244 082

4th ACT: GSM

5th PLMN: 244 003

5th ACT: UTRAN

6th PLMN: 244 004

6th ACT: UTRAN

7th PLMN: 244 005

7th ACT: UTRAN

8th PLMN: 244 006

8th ACT: UTRAN

9th PLMN: 244 007

9th ACT: UTRAN

10th PLMN: 244 008

10th ACT: UTRAN

11th PLMN: 244 009

11th ACT: UTRAN

12th PLMN: 244 010

12th ACT: UTRAN

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Coding: | B1 | B2 | B3 | B4 | B5 | B6 | B7 | B8 | B9 | B10 | B11 | B12 | B13 | B14 | B15 |
| Hex | 42 | 14 | 80 | 80 | 00 | 42 | 14 | 80 | 00 | 80 | 42 | 24 | 80 | 80 | 00 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | B16 | B17 | B18 | B19 | B20 | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 42 | 24 | 80 | 00 | 80 | 42 | 34 | 00 | 80 | 00 | 42 | 44 | 00 | 80 | 00 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | B31 | B32 | B33 | B34 | B35 | B36 | B37 | B38 | B39 | B40 | B41 | B42 | B43 | B44 | B45 |
|  | 42 | 54 | 00 | 80 | 00 | 42 | 64 | 00 | 80 | 00 | 42 | 74 | 00 | 80 | 00 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | B46 | B47 | B48 | B49 | B50 | B51 | B52 | B53 | B54 | B55 | B56 | B57 | B58 | B59 | B60 |
|  | 42 | 84 | 00 | 80 | 00 | 42 | 94 | 00 | 80 | 00 | 42 | 04 | 10 | 80 | 00 |

#### 4.1.1.12 EFOPLMNwACT (Operator Controlled PLMN Selector with Access Technology)

The Radio Access Technology identifier for the first PLMN is set to both UTRAN and GSM, the other remaining PLMNs to UTRAN only.

Logically: 1st PLMN: 254 001 (MCC MNC)

1st ACT: UTRAN

2nd PLMN: 254 001

2nd ACT: GSM

3rd PLMN: 254 002

3rd ACT: UTRAN

4th PLMN: 254 003

4th ACT: UTRAN

5th PLMN: 254 004

5th ACT: UTRAN

6th PLMN: 254 005

6th ACT: UTRAN

7th PLMN: 254 006

7th ACT: UTRAN

8th PLMN: 254 007

8th ACT: UTRAN

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Coding: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Hex | 52 | 14 | 00 | 80 | 00 | 52 | 14 | 00 | 00 | 80 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 52 | 24 | 00 | 80 | 00 | 52 | 34 | 00 | 80 | 00 |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 52 | 44 | 00 | 80 | 00 | 52 | 54 | 00 | 80 | 00 |
|  | B31 | B32 | B33 | B34 | B35 | B36 | B37 | B38 | B39 | B40 |
|  | 52 | 64 | 00 | 80 | 00 | 52 | 74 | 00 | 80 | 00 |

#### 4.1.1.13 Void

#### 4.1.1.14 PIN

Key reference: 01

Logically: 2468

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Coding: | B1 | B2 | B3 | B4 | B5 | B6 | B7 | B8 |
| Hex | 32 | 34 | 36 | 38 | FF | FF | FF | FF |

#### 4.1.1.15 PIN2

Key reference: 81

Logically: 3579

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Coding: | B1 | B2 | B3 | B4 | B5 | B6 | B7 | B8 |
| Hex | 33 | 35 | 37 | 39 | FF | FF | FF | FF |

#### 4.1.1.16 Unblock PIN

Key reference: 01

Logically: 13243546

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Coding: | B1 | B2 | B3 | B4 | B5 | B6 | B7 | B8 |
| Hex | 31 | 33 | 32 | 34 | 33 | 35 | 34 | 36 |

#### 4.1.1.17 Unblock PIN2

Key reference: 81

Logically: 08978675

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Coding: | B1 | B2 | B3 | B4 | B5 | B6 | B7 | B8 |
| Hex | 30 | 38 | 39 | 37 | 38 | 36 | 37 | 35 |

#### 4.1.1.18 Other Values of the USIM

All other values of EFs provided by the USIM shall be set to the default values defined in the annex E of TS 31.102 [4]. Some EFs (like the GSM Access files) may necessary for some tests and apply only to those test cases.

#### 4.1.1.19 EFPSLOCI (Packet Switch Location Information)

Logically: RAI-MCC: 246

RAI-MNC: 081

RAI-LAC: 0001

RAI-RAC: 05

P-TMSI: "FF….FF"

P-TMSI signature value: "FF…FF"

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Coding: | B1 | B2 | B3 | B4 | B5 | B6 | B7 | B8 | B9 | B10 | B11 |
| Hex | FF | FF | FF | FF | FF | FF | FF | 42 | 16 | 80 | 00 |
|  |  |  |  |  |  |  |  |  |  |  |  |
| Coding: | B12 | B13 | B14 |  |  |  |  |  |  |  |  |
| Hex | 01 | 05 | 00 |  |  |  |  |  |  |  |  |

#### 4.1.1.20 Universal PIN

Key reference: 11

Logically: 2839

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Coding: | B1 | B2 | B3 | B4 | B5 | B6 | B7 | B8 |
| Hex | 32 | 38 | 33 | 39 | FF | FF | FF | FF |

#### 4.1.1.21 Unblock Universal PIN

Key reference: 11

Logically: 02030405

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Coding: | B1 | B2 | B3 | B4 | B5 | B6 | B7 | B8 |
| Hex | 30 | 32 | 30 | 33 | 30 | 34 | 30 | 35 |

## 4.2 Definition of FDN UICC

The FDN test cases require a different configuration than the one described in clause 4.1. For that purpose a default FDN UICC is defined. In general the values of the FDN UICC are identical to the default UICC, with the following exceptions.

### 4.2.1 Values of the EF's (FDN UICC)

4.2.1.1 EFUST (USIM Service Table)

Settings from clause 4.1 (Default UICC) of the present document apply.

4.2.1.2 EFEST (Enable Service Table)

Logically:

Settings from clause 4.1 (Default UICC) of the present document apply with the following changes:

|  |  |  |  |
| --- | --- | --- | --- |
| Service n°1: |  | Fixed Dialling Numbers (FDN) | activated |

|  |  |
| --- | --- |
| **Coding:** | **B1** |
| Binary | xxxx x001 |

The coding of EFEST shall conform with the capabilities of the USIM, unused Bits are set to '0'..

#### 4.2.1.3 EFFDN (Fixed Dialling Numbers)

Logically:

Record 1: Length of alpha identifier: 6 characters;

Alpha identifier: "FDN111";

Length of BCD number: "06";

TON and NPI: Telephony and International;

Dialled number: +1357924680;

CCI2: None;

Ext2: None.

Coding for record 1:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | B1 | B2 | B3 | B4 | B5 | B6 | B7 | B8 | B9 | B10 | B11 | B12 | B13 |
| Hex | 46 | 44 | 4E | 31 | 31 | 31 | 06 | 91 | 31 | 75 | 29 | 64 | 08 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | B14 | B15 | B16 | B17 | B18 | B19 | B20 |  |  |  |  |  |  |
|  | FF | FF | FF | FF | FF | FF | FF |  |  |  |  |  |  |

Record 2: Length of alpha identifier: 6 characters;

Alpha identifier: "FDN222";

Length of BCD number: "04";

TON and NPI: Telephony and Unknown;

Dialled number: 24680;

CCI2: None;

Ext2: None.

Coding for record 2:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | B1 | B2 | B3 | B4 | B5 | B6 | B7 | B8 | B9 | B10 | B11 | B12 | B13 |
| Hex | 46 | 44 | 4E | 32 | 32 | 32 | 04 | 81 | 42 | 86 | F0 | FF | FF |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | B14 | B15 | B16 | B17 | B18 | B19 | B20 |  |  |  |  |  |  |
|  | FF | FF | FF | FF | FF | FF | FF |  |  |  |  |  |  |

Record 3: Length of alpha identifier: 6 characters;

Alpha identifier: "FDN333";

Length of BCD number: "0B";

TON and NPI: Telephony and International;

Dialled number: +12345678901234567890;

CCI2: None;

Ext2: None.

Coding for record 3:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | B1 | B2 | B3 | B4 | B5 | B6 | B7 | B8 | B9 | B10 | B11 | B12 | B13 |
| Hex | 46 | 44 | 4E | 33 | 33 | 33 | 0B | 91 | 21 | 43 | 65 | 87 | 09 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | B14 | B15 | B16 | B17 | B18 | B19 | B20 |  |  |  |  |  |  |
|  | 21 | 43 | 65 | 87 | 09 | FF | FF |  |  |  |  |  |  |

#### 4.2.1.4 EFECC (Emergency Call Codes)

Logically: Emergency call code: "122";

Emergency call code alpha identifier: "TEST";

Emergency call Service Category: Mountain Rescue.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Coding: | B1 | B2 | B3 | B4 | B5 | B6 | B7 | B8 |
| Hex | 21 | F2 | FF | 54 | 45 | 53 | 54 | 10 |

#### 4.2.1.5 Other Values of the USIM

All other values of EFs provided by the USIM shall be set to the default values defined in the annex E of TS 31.102 [4]. Some EFs (like the GSM Access files) may necessary for some tests and apply only to those test cases.

## 4.3 Void

## 4.4 Definition of E-UTRAN/EPC UICC

The E-UTRAN/EPC test cases require a different configuration than the one described in clause 4.1. For that purpose a default E-UTRAN/EPC UICC is defined. In general the values of the E-UTRAN/EPC UICC are identical to the default UICC, with the following exceptions:

### 4.4.1 EFUST (USIM Service Table)

Logically:

Settings from clause 4.1 (Default UICC) of the present document apply with the following changes:

|  |  |  |  |
| --- | --- | --- | --- |
| Service n°85: |  | EPS Mobility Management Information | available |
| Service n°86: |  | Allowed CSG Lists and corresponding indications | available |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Coding:** | **B1** | **B2** | **B3** | **B4** | **B5** | **B6** | **B7** | **B8** |
| Binary: | xx1x xx11 | xxxx xxxx | xxxx 1x00 | xxxx x1xx | xxxx xx11 | xxxx xxxx | xxxx xxxx | xxxx xxxx |
|  | **B9** | **B10** | **B11** |  |  |  |  |  |
|  | xxxx xxxx | xxxx xxxx | xx11 xxxx |  |  |  |  |  |

The coding of EFUST shall conform with the capabilities of the USIM used.

### 4.4.2 EFEPSLOCI (EPS Information)

Logically: GUTI: 24608100010266431122

Last visited registered TAI: 246/081/0001

EPS update status: not updated

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B1 | B2 | B3 | B4 | B5 | B6 | B7 | B8 | B9 | B10 | B11 |
| Hex: | 0B | F6 | 42 | 16 | 80 | 00 | 01 | 02 | 66 | 43 | 11 |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  | B12 | B13 | B14 | B15 | B16 | B17 | B18 |  |  |  |  |
|  | 22 | 42 | 16 | 80 | 00 | 01 | 01 |  |  |  |  |

### 4.4.3 EFPLMNwACT (User Controlled PLMN Selector with Access Technology)

Besides of the 8 mandatory PLMNwACT entries 4 optional PLMNwACT entries are defined according to TS 31.102 [4], clause 4.2.5. The Radio Access Technology identifiers are set either to E-UTRAN only, UTRAN only or GSM only.

Logically: 1st PLMN: 244 081 (MCC MNC)

1st ACT: E-UTRAN

2nd PLMN: 244 081

2nd ACT: GSM

3rd PLMN: 244 083

3rd ACT: E-UTRAN

4th PLMN: 244 082

4th ACT: GSM

5th PLMN: 244 003

5th ACT: E-UTRAN

6th PLMN: 244 004

6th ACT: UTRAN

7th PLMN: 244 005

7th ACT: UTRAN

8th PLMN: 244 081

8th ACT: UTRAN

9th PLMN: 244 007

9th ACT: UTRAN

10th PLMN: 244 008

10th ACT: E-UTRAN

11th PLMN: 244 009

11th ACT: UTRAN

12th PLMN: 244 010

12th ACT: E-UTRAN

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Coding: | B1 | B2 | B3 | B4 | B5 | B6 | B7 | B8 | B9 | B10 | B11 | B12 | B13 | B14 | B15 |
| Hex | 42 | 14 | 80 | 40 | 00 | 42 | 14 | 80 | 00 | 80 | 42 | 34 | 80 | 40 | 00 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | B16 | B17 | B18 | B19 | B20 | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 42 | 24 | 80 | 00 | 80 | 42 | 34 | 00 | 40 | 00 | 42 | 44 | 00 | 80 | 00 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | B31 | B32 | B33 | B34 | B35 | B36 | B37 | B38 | B39 | B40 | B41 | B42 | B43 | B44 | B45 |
|  | 42 | 54 | 00 | 80 | 00 | 42 | 14 | 80 | 80 | 00 | 42 | 74 | 00 | 80 | 00 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | B46 | B47 | B48 | B49 | B50 | B51 | B52 | B53 | B54 | B55 | B56 | B57 | B58 | B59 | B60 |
|  | 42 | 84 | 00 | 40 | 00 | 42 | 94 | 00 | 80 | 00 | 42 | 04 | 10 | 40 | 00 |

### 4.4.4 EFOPLMNwACT (Operator Controlled PLMN Selector with Access Technology)

The Radio Access Technology identifier for the first PLMN is set to both UTRAN and GSM, the other remaining PLMNs to UTRAN only or E-UTRAN only.

Logically: 1st PLMN: 254 001 (MCC MNC)

1st ACT: E-UTRAN

2nd PLMN: 254 001

2nd ACT: GSM

3rd PLMN: 254 002

3rd ACT: E-UTRAN

4th PLMN: 254 003

4th ACT: E-UTRAN

5th PLMN: 254 004

5th ACT: UTRAN

6th PLMN: 254 005

6th ACT: UTRAN

7th PLMN: 254 006

7th ACT: UTRAN

8th PLMN: 254 007

8th ACT: UTRAN

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Coding: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Hex | 52 | 14 | 00 | 40 | 00 | 52 | 14 | 00 | 00 | 80 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 52 | 24 | 00 | 40 | 00 | 52 | 34 | 00 | 40 | 00 |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 52 | 44 | 00 | 80 | 00 | 52 | 54 | 00 | 80 | 00 |
|  | B31 | B32 | B33 | B34 | B35 | B36 | B37 | B38 | B39 | B40 |
|  | 52 | 64 | 00 | 80 | 00 | 52 | 74 | 00 | 80 | 00 |

### 4.4.5 EFACSGL (Allowed CSG Lists)

For testing 2 CSG lists are defined and stored together in record one.

Logically:

1st CSG list

PLMN: 246 081 (MCC MNC)

1st CSG list 1st CSG Type indication 02

1st CSG list 1st CSG HNB Name indication 02

1st CSG list 1st CSG CSG ID: 02 (27bit)

1st CSG list 2nd CSG Type indication 03

1st CSG list 2nd CSG HNB Name indication 03

1st CSG list 2nd CSG CSG ID: 03 (27bit)

2nd CSG list

PLMN: 244 081 (MCC MNC)

2nd CSG list 1st CSG Type indication 08

2nd CSG list 1st CSG HNB Name indication 08

2nd CSG list 1st CSG CSG ID: 08 (27bit)

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | A0 | 15 | 80 | 03 | 42 | 16 | 80 | 81 | 06 | 02 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 02 | 00 | 00 | 00 | 5F | 81 | 06 | 03 | 03 | 00 |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 00 | 00 | 7F | A0 | 0D | 80 | 03 | 42 | 14 | 80 |
|  | B31 | B32 | B33 | B34 | B35 | B36 | B37 | B38 | B39 | .. |
|  | 81 | 06 | 08 | 08 | 00 | 00 | 01 | 1F | FF | FF |
|  | Bxx |  |  |  |  |  |  |  |  |  |
|  | FF |  |  |  |  |  |  |  |  |  |

All other records are empty.

### 4.4.6 EFCSGT (CSG Type)

Record 1:

Logically: Group ONE

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 89 | 13 | 80 | 00 | 47 | 00 | 72 | 00 | 6F | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 75 | 00 | 70 | 00 | 20 | 00 | 4F | 00 | 4E | 00 |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 45 | FF | FF | FF | FF | FF | FF | FF | FF | FF |

Record 2:

Logically: Group TWO

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 89 | 13 | 80 | 00 | 47 | 00 | 72 | 00 | 6F | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 75 | 00 | 70 | 00 | 20 | 00 | 54 | 00 | 57 | 00 |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 4F | FF | FF | FF | FF | FF | FF | FF | FF | FF |

Record 3:

Logically: Group THREE

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 89 | 17 | 80 | 00 | 47 | 00 | 72 | 00 | 6F | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 75 | 00 | 70 | 00 | 20 | 00 | 54 | 00 | 48 | 00 |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 52 | 00 | 45 | 00 | 45 | FF | FF | FF | FF | FF |

Record 4:

Logically: Group FOUR

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 89 | 15 | 80 | 00 | 47 | 00 | 72 | 00 | 6F | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 75 | 00 | 70 | 00 | 20 | 00 | 46 | 00 | 4F | 00 |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 55 | 00 | 52 | FF | FF | FF | FF | FF | FF | FF |

Record 5:

Logically: Group FIVE

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 89 | 15 | 80 | 00 | 47 | 00 | 72 | 00 | 6F | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 75 | 00 | 70 | 00 | 20 | 00 | 46 | 00 | 49 | 00 |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 56 | 00 | 45 | FF | FF | FF | FF | FF | FF | FF |

Record 6:

Logically: Group SIX

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 89 | 13 | 80 | 00 | 47 | 00 | 72 | 00 | 6F | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 75 | 00 | 70 | 00 | 20 | 00 | 53 | 00 | 49 | 00 |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 58 | FF | FF | FF | FF | FF | FF | FF | FF | FF |

Record 7:

Logically: Group SEVEN

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 89 | 17 | 80 | 00 | 47 | 00 | 72 | 00 | 6F | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 75 | 00 | 70 | 00 | 20 | 00 | 53 | 00 | 45 | 00 |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 56 | 00 | 45 | 00 | 4E | FF | FF | FF | FF | FF |

Record 8:

Logically: Group EIGHT

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 89 | 17 | 80 | 00 | 47 | 00 | 72 | 00 | 6F | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 75 | 00 | 70 | 00 | 20 | 00 | 45 | 00 | 49 | 00 |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 47 | 00 | 48 | 00 | 54 | FF | FF | FF | FF | FF |

### 4.4.7 EFHNBN (Home (e)NodeB Name)

Record 1:

Logically: Home ONE

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 80 | 11 | 80 | 00 | 48 | 00 | 6F | 00 | 6D | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 65 | 00 | 20 | 00 | 4F | 00 | 4E | 00 | 45 | FF |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF |

Record 2:

Logically: Home TWO

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 80 | 11 | 80 | 00 | 48 | 00 | 6F | 00 | 6D | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 65 | 00 | 20 | 00 | 54 | 00 | 57 | 00 | 4F | FF |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF |

Record 3:

Logically: Home THREE

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 80 | 15 | 80 | 00 | 48 | 00 | 6F | 00 | 6D | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 65 | 00 | 20 | 00 | 54 | 00 | 48 | 00 | 52 | 00 |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 45 | 00 | 45 | FF | FF | FF | FF | FF | FF | FF |

Record 4:

Logically: Home FOUR

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 80 | 13 | 80 | 00 | 48 | 00 | 6F | 00 | 6D | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 65 | 00 | 20 | 00 | 46 | 00 | 4F | 00 | 55 | 00 |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 52 | FF | FF | FF | FF | FF | FF | FF | FF | FF |

Record 5:

Logically: Home FIVE

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 80 | 13 | 80 | 00 | 48 | 00 | 6F | 00 | 6D | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 65 | 00 | 20 | 00 | 46 | 00 | 49 | 00 | 56 | 00 |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 45 | FF | FF | FF | FF | FF | FF | FF | FF | FF |

Record 6:

Logically: Home SIX

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 80 | 11 | 80 | 00 | 48 | 00 | 6F | 00 | 6D | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 65 | 00 | 20 | 00 | 53 | 00 | 49 | 00 | 58 | FF |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF |

Record 7:

Logically: Home SEVEN

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 80 | 15 | 80 | 00 | 48 | 00 | 6F | 00 | 6D | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 65 | 00 | 20 | 00 | 53 | 00 | 45 | 00 | 56 | 00 |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 45 | 00 | 4E | FF | FF | FF | FF | FF | FF | FF |

Record 8:

Logically: Home EIGHT

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 80 | 15 | 80 | 00 | 48 | 00 | 6F | 00 | 6D | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 65 | 00 | 20 | 00 | 45 | 00 | 49 | 00 | 47 | 00 |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 48 | 00 | 54 | FF | FF | FF | FF | FF | FF | FF |

### 4.4.8 EFEPSNSC (EPS NAS Security Context)

Logically: Key Set Identifier KSIASME: '07' (no key available)

ASME Key (KSIASME): 32 byte key, any value

Uplink NAS count: '00'

Downlink NAS count: '01'

Identifiers of selected NAS  
integrity and encryption algorithm: '01'

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Byte:** | **B1** | **B2** | **B3** | **B4** | **B5** | **B6** | **B7** | **B8** | **…** | **B39** |
| Coding: | A0 | 34 | 80 | 01 | 07 | 81 | 20 | xx | **…** | xx |
|  | **B40** | **B41** | **B42** | **B43** | **B44** | **B45** | **B46** | **B47** | **B48** | **B49** |
| 82 | 04 | 00 | 00 | 00 | 00 | 83 | 04 | 00 | 00 |
| **B50** | **B51** | **B52** | **B53** | **B54** |
| 00 | 01 | 84 | 01 | 01 |

## 4.5 Definition of E-UTRAN/EPC ISIM-UICC

### 4.5.1 Applications on the E-UTRAN/EPC ISIM-UICC

The E-UTRAN/EPC ISIM-UICC shall contain a USIM as defined in clause 4.5.2 and an ISIM as defined in clause 4.5.3.

### 4.5.2 Default USIM values on E-UTRAN/EPC ISIM-UICC

The E-UTRAN/EPC ISIM-UICC related test cases require a USIM to access the E-UTRAN/EPC. For this purpose the USIM shall be configured as defined in clause 4.4.

### 4.5.3 Default ISIM values on E-UTRAN/EPC ISIM-UICC

The E-UTRAN/EPC ISIM-UICC shall contain an ISIM for IMS access with the following values:

#### 4.5.3.1 EFAD (Administrative Data**)**

Logically: Normal Operation

|  |  |  |  |
| --- | --- | --- | --- |
| **Byte:** | **B1** | **B2** | **B3** |
| Coding: | 00 | 00 | 00 |

4.5.3.2 EFIST (ISIM Service Table**)**

Logically:

|  |  |  |  |
| --- | --- | --- | --- |
| Service n°1: |  | P-CSCF address | available |
| Service n°2: |  | Generic Bootstrapping Architecture (GBA) | not available |
| Service n°3: |  | HTTP Digest | not available |
| Service n°4: |  | GBA-based Local Key Establishment Mechanism | not available |
| Service n°5: |  | Support of P-CSCF discovery for IMS Local Break Out | not available |
| Service n°6: |  | Short Message Storage (SMS) | available |
| Service n°7: |  | Short Message Status Reports (SMSR) | available |
| Service n°8: |  | Support for SM-over-IP including data download via SMS-PP as defined in TS 31.111 | available |

|  |  |
| --- | --- |
| **Coding:** | **B1** |
| Binary: | 1110 0001 |

#### 4.5.3.3 EFIMPI (IMS private user identity)

Logically: 001010123456789@test.3gpp.com

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Byte:** | **B01** | **B02** | **B03** | **B04** | **B05** | **B06** | **B07** | **B08** | **B09** | **B10** |
| Coding: | 80 | 1D | 30 | 30 | 31 | 30 | 31 | 30 | 31 | 32 |
|  | **B11** | **B12** | **B13** | **B14** | **B15** | **B16** | **B17** | **B18** | **B19** | **B20** |
|  | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 74 | 65 |
|  | **B21** | **B22** | **B23** | **B24** | **B25** | **B26** | **B27** | **B28** | **B29** | **B30** |
|  | 73 | 74 | 2E | 33 | 67 | 70 | 70 | 2E | 63 | 6F |
|  | **B31** | **B32** | **B33** | **B34** | **B35** | **B36** | **B37** | **B38** | **B39** | **B40** |
|  | 6D | FF | FF | FF | FF | FF | FF | FF | FF | FF |

#### 4.5.3.4 EFDOMAIN (Home Network Domain Name)

Logically: test.3gpp.com

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Byte:** | **B01** | **B02** | **B03** | **B04** | **B05** | **B06** | **B07** | **B08** | **B09** | **B10** |
| Coding: | 80 | 0D | 74 | 65 | 73 | 74 | 2E | 33 | 67 | 70 |
|  | **B11** | **B12** | **B13** | **B14** | **B15** | **B16** | **B17** | **B18** | **B19** | **B20** |
|  | 70 | 2E | 63 | 6F | 6D | FF | FF | FF | FF | FF |

#### 4.5.3.5 EFIMPU (IMS public user identity)

Record 1 :

Logically: <sip:001010123456789@ims.mnc246.mcc081.3gppnetwork.org>

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Byte:** | **B01** | **B02** | **B03** | **B04** | **B05** | **B06** | **B07** | **B08** | **B09** | **B10** |
| Coding: | 80 | 35 | 73 | 69 | 70 | 3A | 30 | 30 | 31 | 30 |
|  | **B11** | **B12** | **B13** | **B14** | **B15** | **B16** | **B17** | **B18** | **B19** | **B20** |
|  | 31 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |
|  | **B21** | **B22** | **B23** | **B24** | **B25** | **B26** | **B27** | **B28** | **B29** | **B30** |
|  | 39 | 40 | 69 | 6D | 73 | 2E | 6D | 6E | 63 | 32 |
|  | **B31** | **B32** | **B33** | **B34** | **B35** | **B36** | **B37** | **B38** | **B39** | **B40** |
|  | 34 | 36 | 2E | 6D | 63 | 63 | 30 | 38 | 31 | 2E |
|  | **B41** | **B42** | **B43** | **B44** | **B45** | **B46** | **B47** | **B48** | **B49** | **B50** |
|  | 33 | 67 | 70 | 70 | 6E | 65 | 74 | 77 | 6F | 72 |
|  | **B51** | **B52** | **B53** | **B54** | **B55** | **B56** | **B57** | **B58** | **B59** | **B60** |
|  | 6B | 2E | 6F | 72 | 67 | FF | FF | FF | FF | FF |

Record 2:

Logically: sip:+11234567890@test.3gpp.com

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Byte:** | **B01** | **B02** | **B03** | **B04** | **B05** | **B06** | **B07** | **B08** | **B09** | **B10** |
| Coding: | 80 | 1E | 73 | 69 | 70 | 3A | 2B | 31 | 31 | 32 |
|  | **B11** | **B12** | **B13** | **B14** | **B15** | **B16** | **B17** | **B18** | **B19** | **B20** |
|  | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 30 | 40 | 74 |
|  | **B21** | **B22** | **B23** | **B24** | **B25** | **B26** | **B27** | **B28** | **B29** | **B30** |
|  | 65 | 73 | 74 | 2E | 33 | 67 | 70 | 70 | 2E | 63 |
|  | **B31** | **B32** | **B33** | **B34** | **B35** | **B36** | **B37** | **B38** | **B39** | **B40** |
|  | 6F | 6D | FF | FF | FF | FF | FF | FF | FF | FF |
|  | **B41** | **B42** | **B43** | **B44** | **B45** | **B46** | **B47** | **B48** | **B49** | **B50** |
|  | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF |
|  | **B51** | **B52** | **B53** | **B54** | **B55** | **B56** | **B57** | **B58** | **B59** | **B60** |
|  | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF |

Record 3:

Logically: sip: [user@test.3gpp.com](mailto:user@test.3gpp.com)

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Byte:** | **B01** | **B02** | **B03** | **B04** | **B05** | **B06** | **B07** | **B08** | **B09** | **B10** |
| Coding: | 80 | 16 | 73 | 69 | 70 | 3A | 75 | 73 | 65 | 72 |
|  | **B11** | **B12** | **B13** | **B14** | **B15** | **B16** | **B17** | **B18** | **B19** | **B20** |
|  | 40 | 74 | 65 | 73 | 74 | 2E | 33 | 67 | 70 | 70 |
|  | **B21** | **B22** | **B23** | **B24** | **B25** | **B26** | **B27** | **B28** | **B29** | **B30** |
|  | 2E | 63 | 6F | 6D | FF | FF | FF | FF | FF | FF |
|  | **B31** | **B32** | **B33** | **B34** | **B35** | **B36** | **B37** | **B38** | **B39** | **B40** |
|  | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF |
|  | **B41** | **B42** | **B43** | **B44** | **B45** | **B46** | **B47** | **B48** | **B49** | **B50** |
|  | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF |
|  | **B51** | **B52** | **B53** | **B54** | **B55** | **B56** | **B57** | **B58** | **B59** | **B60** |
|  | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF |

#### 4.5.3.6 EFP-CSCF (P-CSCF ADDRESS)

Logically:

Address Type: FQDN

P-CSCF Address: pcscf1.anyims.test.3gpp.com

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Byte:** | **B01** | **B02** | **B03** | **B04** | **B05** | **B06** | **B07** | **B08** | **B09** | **B10** |
| Coding: | 80 | 1C | 00 | 70 | 63 | 73 | 63 | 66 | 31 | 2E |
|  | **B11** | **B12** | **B13** | **B14** | **B15** | **B16** | **B17** | **B18** | **B19** | **B20** |
|  | 61 | 6E | 79 | 69 | 6D | 73 | 2E | 74 | 65 | 73 |
|  | **B21** | **B22** | **B23** | **B24** | **B25** | **B26** | **B27** | **B28** | **B29** | **B30** |
|  | 74 | 2E | 33 | 67 | 70 | 70 | 2E | 63 | 6F | 6D |
|  | **B31** | **B32** | **B33** | **B34** | **B35** | **B36** | **B37** | **B38** | **B39** | **B40** |
|  | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF |

Note: This EF does not apply for 3GPP and shall not be used by a terminal using a 3GPP access network or a 3GPP Interworking WLAN.

#### 4.5.3.7 EFSMS (Short Message Service)

At least 10 records.

All records shall be empty.

Logically: Status byte set to empty.

Record 1-x (x ≥10):

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Byte:** | **B1** | **B2** | **B3** | **B4** | **B5** | **B6** | **B7** | **B8** | **B9** | **B10** | **B11** | **B12** | **…** | **B176** |
| Coding: | 00 | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | … | FF |

#### 4.5.3.8 EFSMSR (Short message status reports)

This EF shall contain as many records as EFSMS.

All records shall be empty.

Logically: Status byte set to empty.

Record 1-x (x ≥10):

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Byte:** | **B01** | **B02** | **B03** | **B04** | **B05** | **B06** | **B07** | **B08** | **B09** | **B10** |
| Coding: | 00 | FF | FF | FF | FF | FF | FF | FF | FF | FF |
|  | **B11** | **B12** | **B13** | **B14** | **B15** | **B16** | **B17** | **B18** | **B19** | **B20** |
|  | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF |
|  | **B21** | **B22** | **B23** | **B24** | **B25** | **B26** | **B27** | **B28** | **B29** | **B30** |
|  | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF |

#### 4.5.3.9 EFSMSP (Short message service parameters)

Logically:

Record 1:

Record length: 28 bytes

Parameter Indicators:

TP-Destination Address: Parameter absent

TS-Service Centre Address: Parameter present

TP-Protocol Identifier: Parameter absent

TP-Data Coding Scheme: Parameter absent

TP-Validity Period: Parameter absent

TS-Service Centre Address:

TON: International Number

NPI: "ISDN / telephone numbering plan"

Dialled number string: "112233445566778"

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B1 | B2 | B3 | ... | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 | B21 | B22 | B23 |
| Coding: | FD | FF | FF | ... | FF | 09 | 91 | 11 | 22 | 33 | 44 | 55 | 66 | 77 | F8 |
|  | B24 | B25 | B26 | B27 | B28 |  |  |  |  |  |  |  |  |  |  |
|  | FF | FF | FF | FF | FF |  |  |  |  |  |  |  |  |  |  |

All other records shall be empty.

#### 4.5.3.10 EFSMSS (SMS Status)

Logically: Last used TP-MR set to"00".

Memory capacity available (flag unset b1="1").

|  |  |  |
| --- | --- | --- |
| Byte: | B1 | B2 |
| Coding: | 00 | FF |

### 4.5.4 Default values at DF\_TELECOM

#### 4.5.4.1 EFPSISMSC (Public Service Identity of the SM-SC)

1 record only.

Logically:

Record 1:

Public Service Identity of the SM-SC: <tel:+112233445566778>

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Byte:** | **B01** | **B02** | **B03** | **B04** | **B05** | **B06** | **B07** | **B08** | **B09** | **B10** |
| Coding: | 80 | 14 | 74 | 65 | 6C | 3A | 2B | 31 | 31 | 32 |
|  | **B11** | **B12** | **B13** | **B14** | **B15** | **B16** | **B17** | **B18** | **B19** | **B20** |
|  | 32 | 33 | 33 | 34 | 34 | 35 | 35 | 36 | 36 | 37 |
|  | **B21** | **B22** | **B23** | **B24** | **B25** | **B26** | **B27** | **B28** | **…** | **Bxx** |
|  | 37 | 38 | FF | FF | FF | FF | FF | FF | … | FF |

## 4.6 Definition of ACSGL/OCSGL E-UTRAN/EPC UICC

The ACSGL/OCSGL E-UTRAN/EPC test cases require a different configuration than the one described in clause 4.4. For that purpose a default ACSGL/OCSGL E-UTRAN/EPC UICC is defined. In general the values of the ACSGL/OCSGL E-UTRAN/EPC UICC are identical to the E-UTRAN/EPC UICC, with the following exceptions:

### 4.6.1 EFUST (USIM Service Table)

Logically:

Settings from clause 4.1 (Default UICC) of the present document apply with the following changes:

|  |  |  |  |
| --- | --- | --- | --- |
| Service n°85: |  | EPS Mobility Management Information | available |
| Service n°86: |  | Allowed CSG Lists and corresponding indications | available |
| Service n°90: |  | Operator CSG Lists and corresponding indications | available |
| Service n°92: |  | Support of CSG Display Control | available |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Coding:** | **B1** | **B2** | **B3** | **B4** | **B5** | **B6** | **B7** | **B8** |
| Binary: | xx1x xx11 | xxxx xxxx | xxxx 1x00 | xxxx x1xx | xxxx xx11 | xxxx xxxx | xxxx xxxx | xxxx xxxx |
|  | **B9** | **B10** | **B11** | **B12** |  |  |  |  |
|  | xxxx xxxx | xxxx xxxx | xx11 xxxx | xxxx 1x1x |  |  |  |  |

The coding of EFUST shall conform to the capabilities of the USIM used.

### 4.6.2 EFAD (Administrative Data)

Logically:

Mode of operation: normal operation

Additional information: ciphering indicator feature disabled

all available CSGs can be displayed without any restriction (b2)

Length of MNC in the IMSI: 3 digit

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Coding: | B1 | B2 | B3 | B4 |
| Hex | 00 | 00 | 00 | 03 |

### 4.6.3 EFOCSGL (Operator CSG Lists)

For testing 2 CSG lists are defined and stored together in record one.

Logically:

1st CSG list

PLMN: 246 081 (MCC MNC)

1st CSG list 1st CSG Type indication 01

1st CSG list 1st CSG HNB Name indication 01

1st CSG list 1st CSG CSG ID: 01 (27bit)

1st CSG list 2nd CSG Type indication 05

1st CSG list 2nd CSG HNB Name indication 05

1st CSG list 2nd CSG CSG ID: 05 (27bit)

CSG display indicator: All available CSG Ids can be displayed during a manual CSGselection 00

2nd CSG list

PLMN: 244 081 (MCC MNC)

2nd CSG list 1st CSG Type indication 07

2nd CSG list 1st CSG HNB Name indication 07

2nd CSG list 1st CSG CSG ID: 07 (27bit)

CSG display indicator: All available CSG Ids can be displayed during a manual CSGselection 00

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | A0 | 18 | 80 | 03 | 42 | 16 | 80 | 81 | 06 | 01 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 01 | 00 | 00 | 00 | 3F | 81 | 06 | 05 | 05 | 00 |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 00 | 00 | BF | 82 | 01 | 00 | A0 | 10 | 80 | 03 |
|  | B31 | B32 | B33 | B34 | B35 | B36 | B37 | B38 | B39 | B40 |
|  | 42 | 14 | 80 | 81 | 06 | 07 | 07 | 00 | 00 | 00 |
|  | B41 | B42 | B43 | B44 |  |  |  |  |  |  |
|  | FF | 82 | 01 | 00 |  |  |  |  |  |  |

All other records are empty.

### 4.6.4 EFOCSGT (Operator CSG Type)

Record 1:

Logically: OMode ONE

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 89 | 13 | 80 | 00 | 4F | 00 | 4D | 00 | 6F | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 64 | 00 | 65 | 00 | 20 | 00 | 4F | 00 | 4E | 00 |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 45 | FF | FF | FF | FF | FF | FF | FF | FF | FF |

Record 2:

Logically: OMode TWO

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 89 | 13 | 80 | 00 | 4F | 00 | 4D | 00 | 6F | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 64 | 00 | 65 | 00 | 20 | 00 | 54 | 00 | 57 | 00 |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 4F | FF | FF | FF | FF | FF | FF | FF | FF | FF |

Record 3:

Logically: OMode THREE

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 89 | 17 | 80 | 00 | 4F | 00 | 4D | 00 | 6F | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 64 | 00 | 65 | 00 | 20 | 00 | 54 | 00 | 48 | 00 |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 52 | 00 | 45 | 00 | 45 | FF | FF | FF | FF | FF |

Record 4:

Logically: OMode FOUR

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 89 | 15 | 80 | 00 | 4F | 00 | 4D | 00 | 6F | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 64 | 00 | 65 | 00 | 20 | 00 | 46 | 00 | 4F | 00 |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 55 | 00 | 52 | FF | FF | FF | FF | FF | FF | FF |

Record 5:

Logically: Group FIVE

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 89 | 15 | 80 | 00 | 47 | 00 | 72 | 00 | 6F | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 75 | 00 | 70 | 00 | 20 | 00 | 46 | 00 | 49 | 00 |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 56 | 00 | 45 | FF | FF | FF | FF | FF | FF | FF |

Record 6:

Logically: Group SIX

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 89 | 13 | 80 | 00 | 47 | 00 | 72 | 00 | 6F | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 75 | 00 | 70 | 00 | 20 | 00 | 53 | 00 | 49 | 00 |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 58 | FF | FF | FF | FF | FF | FF | FF | FF | FF |

Record 7:

Logically: Group SEVEN

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 89 | 17 | 80 | 00 | 47 | 00 | 72 | 00 | 6F | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 75 | 00 | 70 | 00 | 20 | 00 | 53 | 00 | 45 | 00 |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 56 | 00 | 45 | 00 | 4E | FF | FF | FF | FF | FF |

Record 8:

Logically: Group EIGHT

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 89 | 17 | 80 | 00 | 47 | 00 | 72 | 00 | 6F | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 75 | 00 | 70 | 00 | 20 | 00 | 45 | 00 | 49 | 00 |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 47 | 00 | 48 | 00 | 54 | FF | FF | FF | FF | FF |

### 4.6.5 EFOHNBN (Operator Home (e)NodeB Name)

Record 1:

Logically: Home ONE

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 80 | 11 | 80 | 00 | 48 | 00 | 6F | 00 | 6D | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 65 | 00 | 20 | 00 | 4F | 00 | 4E | 00 | 45 | FF |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF |

Record 2:

Logically: Home TWO

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 80 | 11 | 80 | 00 | 48 | 00 | 6F | 00 | 6D | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 65 | 00 | 20 | 00 | 54 | 00 | 57 | 00 | 4F | FF |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF |

Record 3:

Logically: Home THREE

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 80 | 15 | 80 | 00 | 48 | 00 | 6F | 00 | 6D | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 65 | 00 | 20 | 00 | 54 | 00 | 48 | 00 | 52 | 00 |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 45 | 00 | 45 | FF | FF | FF | FF | FF | FF | FF |

Record 4:

Logically: Home FOUR

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 80 | 13 | 80 | 00 | 48 | 00 | 6F | 00 | 6D | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 65 | 00 | 20 | 00 | 46 | 00 | 4F | 00 | 55 | 00 |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 52 | FF | FF | FF | FF | FF | FF | FF | FF | FF |

Record 5:

Logically: Home FIVE

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 80 | 13 | 80 | 00 | 48 | 00 | 6F | 00 | 6D | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 65 | 00 | 20 | 00 | 46 | 00 | 49 | 00 | 56 | 00 |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 45 | FF | FF | FF | FF | FF | FF | FF | FF | FF |

Record 6:

Logically: Home SIX

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 80 | 11 | 80 | 00 | 48 | 00 | 6F | 00 | 6D | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 65 | 00 | 20 | 00 | 53 | 00 | 49 | 00 | 58 | FF |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF |

Record 7:

Logically: Home SEVEN

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 80 | 15 | 80 | 00 | 48 | 00 | 6F | 00 | 6D | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 65 | 00 | 20 | 00 | 53 | 00 | 45 | 00 | 56 | 00 |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 45 | 00 | 4E | FF | FF | FF | FF | FF | FF | FF |

Record 8:

Logically: Home EIGHT

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 80 | 15 | 80 | 00 | 48 | 00 | 6F | 00 | 6D | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 65 | 00 | 20 | 00 | 45 | 00 | 49 | 00 | 47 | 00 |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 48 | 00 | 54 | FF | FF | FF | FF | FF | FF | FF |

## 4.7 Definition of Non Access Stratum Configuration UICC

In general the values of the UICC configuration are identical to the default UICC, with the following exceptions:

### 4.7.1 Values of the EFs

4.7.1.1 EFUST (USIM Service Table)

Logically:

Settings from clause 4.1 (Default UICC) of the present document apply with the following changes:

|  |  |  |  |
| --- | --- | --- | --- |
| Service n°96: |  | Non-Access Stratum configuration by USIM | available |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Coding:** | **B1** | **B2** | **B3** | **B4** | **B5** | **B6** | **B7** | **B8** |
| Binary: | xx1x xx11 | xxxx xxxx | xxxx 1x00 | xxxx x1xx | xxxx xx11 | xxxx xxxx | xxxx xxxx | xxxx xxxx |
|  | **B9** | **B10** | **B11** | **B12** |  |  |  |  |
|  | xxxx xxxx | xxxx xxxx | xxxx xxxx | 1xxx xxxx |  |  |  |  |

The coding of EFUST shall conform to the capabilities of the USIM used.

#### 4.7.1.2 EFNASCONFIG (Non Access Stratum Configuration)

Logically: NAS signalling priority value: 00

NMO I Behaviour value: 00

Attach with IMSI value: 00

Minimum Periodic Search Timer value: 00

Extended access barring value: 00

Timer T3245 Behaviour value: 00

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Byte:** | **B01** | **B02** | **B03** | **B04** | **B05** | **B06** | **B07** | **B08** | **B09** | **B10** |
| Coding: | 80 | 01 | 00 | 81 | 01 | 00 | 82 | 01 | 00 | 83 |
|  | **B11** | **B12** | **B13** | **B14** | **B15** | **B16** | **B17** | **B18** |  |  |
|  | 01 | 00 | 84 | 01 | 00 | 85 | 01 | 00 |  |  |

## 4.8 Definition of Non Access Stratum Configuration of E**‑**UTRAN/EPC UICC

In general the values of the UICC configuration are identical to the default UICC, with the following exceptions:

### 4.8.1 EFUST (USIM Service Table)

Logically:

Settings from clause 4.1 (Default UICC) of the present document apply with the following changes:

|  |  |  |  |
| --- | --- | --- | --- |
| Service n°85: |  | EPS Mobility Management Information | available |
| Service n°86: |  | Allowed CSG Lists and corresponding indications | available |
| Service n°96: |  | Non-Access Stratum configuration by USIM | available |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Coding:** | **B1** | **B2** | **B3** | **B4** | **B5** | **B6** | **B7** | **B8** |
| Binary: | xx1x xx11 | xxxx xxxx | xxxx 1x00 | xxxx x1xx | xxxx xx11 | xxxx xxxx | xxxx xxxx | xxxx xxxx |
|  | **B9** | **B10** | **B11** | **B12** |  |  |  |  |
|  | xxxx xxxx | xxxx xxxx | xx11 xxxx | 1xxx xxxx |  |  |  |  |

The coding of EFUST shall conform with the capabilities of the USIM used.

### 4.8.2 EFEPSLOCI (EPS Information)

Logically: GUTI: 24608100010266431122

Last visited registered TAI: 246/081/0001

EPS update status: not updated

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B1 | B2 | B3 | B4 | B5 | B6 | B7 | B8 | B9 | B10 | B11 |
| Hex: | 0B | F6 | 42 | 16 | 80 | 00 | 01 | 02 | 66 | 43 | 11 |
|  | B12 | B13 | B14 | B15 | B16 | B17 | B18 |  |  |  |  |
|  | 22 | 42 | 16 | 80 | 00 | 01 | 01 |  |  |  |  |

### 4.8.3 EFPLMNwACT (User Controlled PLMN Selector with Access Technology)

Besides of the 8 mandatory PLMNwACT entries 4 optional PLMNwACT entries are defined according to TS 31.102 [4], clause 4.2.5. The Radio Access Technology identifiers are set either to E-UTRAN only, UTRAN only or GSM only.

Logically: 1st PLMN: 244 081 (MCC MNC)

1st ACT: E-UTRAN

2nd PLMN: 244 081

2nd ACT: GSM

3rd PLMN: 244 083

3rd ACT: E-UTRAN

4th PLMN: 244 082

4th ACT: GSM

5th PLMN: 244 003

5th ACT: E-UTRAN

6th PLMN: 244 004

6th ACT: UTRAN

7th PLMN: 244 005

7th ACT: UTRAN

8th PLMN: 244 081

8th ACT: UTRAN

9th PLMN: 244 007

9th ACT: UTRAN

10th PLMN: 244 008

10th ACT: E-UTRAN

11th PLMN: 244 009

11th ACT: UTRAN

12th PLMN: 244 010

12th ACT: E-UTRAN

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Coding: | B1 | B2 | B3 | B4 | B5 | B6 | B7 | B8 | B9 | B10 | B11 | B12 | B13 | B14 | B15 |
| Hex | 42 | 14 | 80 | 40 | 00 | 42 | 14 | 80 | 00 | 80 | 42 | 34 | 80 | 40 | 00 |
|  | B16 | B17 | B18 | B19 | B20 | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 42 | 24 | 80 | 00 | 80 | 42 | 34 | 00 | 40 | 00 | 42 | 44 | 00 | 80 | 00 |
|  | B31 | B32 | B33 | B34 | B35 | B36 | B37 | B38 | B39 | B40 | B41 | B42 | B43 | B44 | B45 |
|  | 42 | 54 | 00 | 80 | 00 | 42 | 14 | 80 | 80 | 00 | 42 | 74 | 00 | 80 | 00 |
|  | B46 | B47 | B48 | B49 | B50 | B51 | B52 | B53 | B54 | B55 | B56 | B57 | B58 | B59 | B60 |
|  | 42 | 84 | 00 | 40 | 00 | 42 | 94 | 00 | 80 | 00 | 42 | 04 | 10 | 40 | 00 |

### 4.8.4 EFOPLMNwACT (Operator Controlled PLMN Selector with Access Technology)

The Radio Access Technology identifier for the first PLMN is set to both UTRAN and GSM, the other remaining PLMNs to UTRAN only or E-UTRAN only.

Logically: 1st PLMN: 254 001 (MCC MNC)

1st ACT: E-UTRAN

2nd PLMN: 254 001

2nd ACT: GSM

3rd PLMN: 254 002

3rd ACT: E-UTRAN

4th PLMN: 254 003

4th ACT: E-UTRAN

5th PLMN: 254 004

5th ACT: UTRAN

6th PLMN: 254 005

6th ACT: UTRAN

7th PLMN: 254 006

7th ACT: UTRAN

8th PLMN: 254 007

8th ACT: UTRAN

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Coding: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Hex | 52 | 14 | 00 | 40 | 00 | 52 | 14 | 00 | 00 | 80 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 52 | 24 | 00 | 40 | 00 | 52 | 34 | 00 | 40 | 00 |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 52 | 44 | 00 | 80 | 00 | 52 | 54 | 00 | 80 | 00 |
|  | B31 | B32 | B33 | B34 | B35 | B36 | B37 | B38 | B39 | B40 |
|  | 52 | 64 | 00 | 80 | 00 | 52 | 74 | 00 | 80 | 00 |

### 4.8.5 EFACSGL (Allowed CSG Lists)

For testing 2 CSG lists are defined and stored together in record one.

Logically:

1st CSG list

PLMN: 246 081 (MCC MNC)

1st CSG list 1st CSG Type indication 02

1st CSG list 1st CSG HNB Name indication 02

1st CSG list 1st CSG CSG ID: 02 (27bit)

1st CSG list 2nd CSG Type indication 03

1st CSG list 2nd CSG HNB Name indication 03

1st CSG list 2nd CSG CSG ID: 03 (27bit)

2nd CSG list

PLMN: 244 081 (MCC MNC)

2nd CSG list 1st CSG Type indication 08

2nd CSG list 1st CSG HNB Name indication 08

2nd CSG list 1st CSG CSG ID: 08 (27bit)

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | A0 | 15 | 80 | 03 | 42 | 16 | 80 | 81 | 06 | 02 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 02 | 00 | 00 | 00 | 5F | 81 | 06 | 03 | 03 | 00 |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 00 | 00 | 7F | A0 | 0D | 80 | 03 | 42 | 14 | 80 |
|  | B31 | B32 | B33 | B34 | B35 | B36 | B37 | B38 | B39 | .. |
|  | 81 | 06 | 08 | 08 | 00 | 00 | 01 | 1F | FF | FF |
|  | Bxx |  |  |  |  |  |  |  |  |  |
|  | FF |  |  |  |  |  |  |  |  |  |

All other records are empty.

### 4.8.6 EFCSGT (CSG Type)

Record 1:

Logically: Group ONE

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 89 | 13 | 80 | 00 | 47 | 00 | 72 | 00 | 6F | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 75 | 00 | 70 | 00 | 20 | 00 | 4F | 00 | 4E | 00 |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 45 | FF | FF | FF | FF | FF | FF | FF | FF | FF |

Record 2:

Logically: Group TWO

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 89 | 13 | 80 | 00 | 47 | 00 | 72 | 00 | 6F | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 75 | 00 | 70 | 00 | 20 | 00 | 54 | 00 | 57 | 00 |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 4F | FF | FF | FF | FF | FF | FF | FF | FF | FF |

Record 3:

Logically: Group THREE

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 89 | 17 | 80 | 00 | 47 | 00 | 72 | 00 | 6F | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 75 | 00 | 70 | 00 | 20 | 00 | 54 | 00 | 48 | 00 |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 52 | 00 | 45 | 00 | 45 | FF | FF | FF | FF | FF |

Record 4:

Logically: Group FOUR

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 89 | 15 | 80 | 00 | 47 | 00 | 72 | 00 | 6F | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 75 | 00 | 70 | 00 | 20 | 00 | 46 | 00 | 4F | 00 |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 55 | 00 | 52 | FF | FF | FF | FF | FF | FF | FF |

Record 5:

Logically: Group FIVE

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 89 | 15 | 80 | 00 | 47 | 00 | 72 | 00 | 6F | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 75 | 00 | 70 | 00 | 20 | 00 | 46 | 00 | 49 | 00 |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 56 | 00 | 45 | FF | FF | FF | FF | FF | FF | FF |

Record 6:

Logically: Group SIX

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 89 | 13 | 80 | 00 | 47 | 00 | 72 | 00 | 6F | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 75 | 00 | 70 | 00 | 20 | 00 | 53 | 00 | 49 | 00 |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 58 | FF | FF | FF | FF | FF | FF | FF | FF | FF |

Record 7:

Logically: Group SEVEN

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 89 | 17 | 80 | 00 | 47 | 00 | 72 | 00 | 6F | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 75 | 00 | 70 | 00 | 20 | 00 | 53 | 00 | 45 | 00 |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 56 | 00 | 45 | 00 | 4E | FF | FF | FF | FF | FF |

Record 8:

Logically: Group EIGHT

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 89 | 17 | 80 | 00 | 47 | 00 | 72 | 00 | 6F | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 75 | 00 | 70 | 00 | 20 | 00 | 45 | 00 | 49 | 00 |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 47 | 00 | 48 | 00 | 54 | FF | FF | FF | FF | FF |

### 4.8.7 EFHNBN (Home (e)NodeB Name)

Record 1:

Logically: Home ONE

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 80 | 11 | 80 | 00 | 48 | 00 | 6F | 00 | 6D | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 65 | 00 | 20 | 00 | 4F | 00 | 4E | 00 | 45 | FF |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF |

Record 2:

Logically: Home TWO

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 80 | 11 | 80 | 00 | 48 | 00 | 6F | 00 | 6D | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 65 | 00 | 20 | 00 | 54 | 00 | 57 | 00 | 4F | FF |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF |

Record 3:

Logically: Home THREE

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 80 | 15 | 80 | 00 | 48 | 00 | 6F | 00 | 6D | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 65 | 00 | 20 | 00 | 54 | 00 | 48 | 00 | 52 | 00 |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 45 | 00 | 45 | FF | FF | FF | FF | FF | FF | FF |

Record 4:

Logically: Home FOUR

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 80 | 13 | 80 | 00 | 48 | 00 | 6F | 00 | 6D | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 65 | 00 | 20 | 00 | 46 | 00 | 4F | 00 | 55 | 00 |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 52 | FF | FF | FF | FF | FF | FF | FF | FF | FF |

Record 5:

Logically: Home FIVE

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 80 | 13 | 80 | 00 | 48 | 00 | 6F | 00 | 6D | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 65 | 00 | 20 | 00 | 46 | 00 | 49 | 00 | 56 | 00 |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 45 | FF | FF | FF | FF | FF | FF | FF | FF | FF |

Record 6:

Logically: Home SIX

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 80 | 11 | 80 | 00 | 48 | 00 | 6F | 00 | 6D | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 65 | 00 | 20 | 00 | 53 | 00 | 49 | 00 | 58 | FF |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF |

Record 7:

Logically: Home SEVEN

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 80 | 15 | 80 | 00 | 48 | 00 | 6F | 00 | 6D | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 65 | 00 | 20 | 00 | 53 | 00 | 45 | 00 | 56 | 00 |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 45 | 00 | 4E | FF | FF | FF | FF | FF | FF | FF |

Record 8:

Logically: Home EIGHT

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 80 | 15 | 80 | 00 | 48 | 00 | 6F | 00 | 6D | 00 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 65 | 00 | 20 | 00 | 45 | 00 | 49 | 00 | 47 | 00 |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 48 | 00 | 54 | FF | FF | FF | FF | FF | FF | FF |

### 4.8.8 EFEPSNSC (EPS NAS Security Context)

Logically: Key Set Identifier KSIASME: '07' (no key available)

ASME Key (KSIASME): 32 byte key, any value

Uplink NAS count: '00'

Downlink NAS count: '01'

Identifiers of selected NAS  
integrity and encryption algorithm: '01'

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Byte:** | **B1** | **B2** | **B3** | **B4** | **B5** | **B6** | **B7** | **B8** | **…** | **B39** |
| Coding: | A0 | 34 | 80 | 01 | 07 | 81 | 20 | xx | … | xx |
|  | **B40** | **B41** | **B42** | **B43** | **B44** | **B45** | **B46** | **B47** | **B48** | **B49** |
|  | 82 | 04 | 00 | 00 | 00 | 00 | 83 | 04 | 00 | 00 |
|  | **B50** | **B51** | **B52** | **B53** | **B54** |
|  | 00 | 01 | 84 | 01 | 01 |

### 4.8.9 EFNASCONFIG (Non Access Stratum Configuration)

Logically:

NAS signalling priority value: Reserved (NAS signalling low priority is not used)

NMO I Behaviour value: "NMO I, Network Mode of Operation I" indication is not used

Attach with IMSI value: normal behaviour is applied

Minimum Periodic Search Timer value: 00

Extended access barring value: extended access barring is not applied for the UE

Timer T3245 Behaviour value: T3245 not used

Override NAS signalling low priority: Indicates that the UE cannot override the NAS signalling low priority indicator

Override Extended access barring: Indicates that the UE cannot override extended access barring

Fast First Higher Priority PLMN Search: Indicates that the Fast First Higher Priority PLMN Search is not enabled

EUTRA Disabling Allowed For EMM Cause15: disabled

SM\_RetryWaitTime: 00

SM\_RetryAtRATChange: UE is allowed to retry the corresponding ESM procedure in S1 mode if an SM procedure was rejected in A/Gb or Iu mode, and to retry the corresponding SM procedure in A/Gb or Iu mode if an ESM procedure was rejected in S1 mode.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Byte:** | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Coding: | 80 | 01 | 00 | 81 | 01 | 00 | 82 | 01 | 00 | 83 |
|  | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
|  | 01 | 00 | 84 | 01 | 00 | 85 | 01 | 00 | 86 | 01 |
|  | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 00 | 87 | 01 | 00 | 88 | 01 | 00 | 89 | 01 | 00 |
|  | B31 | B32 | B33 | B34 | B35 | B36 |  |  |  |  |
|  | 8A | 01 | 00 | 8B | 01 | 00 |  |  |  |  |

## 4.9 Definition of 5G-NR UICC

### 4.9.0 Introduction

The 5G-NR test cases require a different configuration than the one described in clause 4.1. For that purpose, a default 5G-NR UICC is defined. In general, the values of the 5G-NR UICC are identical to the default UICC, with the following exceptions:

4.9.1 EFUST (USIM Service Table)

Logically:

Settings from clause 4.1 (Default UICC) of the present document apply with the following changes:

|  |  |  |  |
| --- | --- | --- | --- |
| Service n°85: |  | EPS Mobility Management Information | available |
| Service n°86: |  | Allowed CSG Lists and corresponding indications | available |
| Service n°122: |  | 5GS Mobility Management Information | available |
| Service n°123: |  | 5G Security Parameters | available |
| Service n°124: |  | Subscription identifier privacy support | available |
| Service n°125: |  | SUCI calculation by the USIM | not available |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Coding:** | **B1** | **B2** | **B3** | **B4** | **B5** | **B6** | **B7** | **B8** |
| Binary: | xxxx xx1x | xxxx xxxx | xxxx 1x00 | xxxx x1xx | xxxx xx11 | xxxx xxxx | xxxx xxxx | xxxx xxxx |
|  | **B9** | **B10** | **B11** | **…** | **B16** |  |  |  |
|  | xxxx xxxx | xxxx xxxx | xx11 xxxx | ... | xxx0 111x |  |  |  |

### 4.9.2 EFIMSI (IMSI)

Logically: 246081357935793

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Coding:** | **B1** | **B2** | **B3** | **B4** | **B5** | **B6** | **B7** | **B8** | **B9** |
| Hex | 08 | 29 | 64 | 80 | 31 | 75 | 39 | 75 | 39 |

### 4.9.3 EF5GS3GPPLOCI (5GS 3GPP location information)

Logically:

5G-GUTI: FF FF FF FF FF FF FF FF FF FF

TAI: 246 081 000000

5GS update status: 5U2 NOT UPDATED

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Coding:** | **B1** | **B2** | **B3** | **B4** | **B5** | **B6** | **B7** | **B8** |
| Hex | FF | FF | FF | FF | FF | FF | FF | FF |
|  | **B9** | **B10** | **B11** | **B12** | **B13** | **B14** | **B15** | **B16** |
|  | FF | FF | FF | FF | FF | 42 | 16 | 80 |
|  | **B17** | **B18** | **B19** | **B20** |  |  |  |  |
|  | 00 | 00 | 00 | 01 |  |  |  |  |

### 4.9.4 EFSUCI\_Calc\_Info (Subscription Concealed Identifier Calculation Information EF)

Logically:

Protection Scheme Identifier List data object

Protection Scheme Identifier 1 – ECIES scheme profile B

Key Index 1: 1

Protection Scheme Identifier 2 – ECIES scheme profile A

Key Index 2: 2

Protection Scheme Identifier 3 – null-scheme

Key Index 3: 0

Home Network Public Key List data object

Home Network Public Key 1 Identifier: 27

Home Network Public Key 1:

- 04 72 DA 71 97 62 34 CE 83 3A 69 07 42 58 67 B8 2E 07 4D 44 EF 90 7D FB 4B 3E 21 C1 C2 25 6E BC D1 5A 7D ED 52 FC BB 09 7A 4E D2 50 E0 36 C7 B9 C8 C7 00 4C 4E ED C4 F0 68 CD 7B F8 D3 F9 00 E3 B4

Home Network Public Key 2 Identifier: 30

Home Network Public Key 2:

- 5A 8D 38 86 48 20 19 7C 33 94 B9 26 13 B2 0B 91 63 3C BD 89 71 19 27 3B F8 E4 A6 F4 EE C0 A6 50

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Coding:** | **B1** | **B2** | **B3** | **B4** | **B5** | **B6** | **B7** | **B8** |
| Hex | A0 | 06 | 02 | 01 | 01 | 02 | 00 | 00 |
|  | **B9** | **B10** | **B11** | **B12** | **B13** | **B14** | **B15** | **B16** |
| A1 | 6B | 80 | 01 | 1B | 81 | 41 | 04 |
| **B17** | **B18** | **B19** | **B20** | **B21** | **B22** | **B23** | **B24** |
| 72 | DA | 71 | 97 | 62 | 34 | CE | 83 |
| **B25** | **B26** | **B27** | **B28** | **B29** | **B30** | **B31** | **B32** |
| 3A | 69 | 07 | 42 | 58 | 67 | B8 | 2E |
| **B33** | **B34** | **B35** | **B36** | **B37** | **B38** | **B39** | **B40** |
| 07 | 4D | 44 | EF | 90 | 7D | FB | 4B |
| **B41** | **B42** | **B43** | **B44** | **B45** | **B46** | **B47** | **B48** |
| 3E | 21 | C1 | C2 | 25 | 6E | BC | D1 |
| **B49** | **B50** | **B51** | **B52** | **B53** | **B54** | **B55** | **B56** |
| 5A | 7D | ED | 52 | FC | BB | 09 | 7A |
| **B57** | **B58** | **B59** | **B60** | **B61** | **B62** | **B63** | **B64** |
| 4E | D2 | 50 | E0 | 36 | C7 | B9 | C8 |
| **B65** | **B66** | **B67** | **B68** | **B69** | **B70** | **B71** | **B72** |
| C7 | 00 | 4C | 4E | ED | C4 | F0 | 68 |
| **B73** | **B74** | **B75** | **B76** | **B77** | **B78** | **B79** | **B80** |
| CD | 7B | F8 | D3 | F9 | 00 | E3 | B4 |
| **B81** | **B82** | **B83** | **B84** | **B85** | **B86** | **B87** | **B88** |
| 80 | 01 | 1E | 81 | 20 | 5A | 8D | 38 |
| **B89** | **B90** | **B91** | **B92** | **B93** | **B94** | **B95** | **B96** |
| 86 | 48 | 20 | 19 | 7C | 33 | 94 | B9 |
| **B97** | **B98** | **B99** | **B100** | **B101** | **B102** | **B103** | **B104** |
| 26 | 13 | B2 | 0B | 91 | 63 | 3C | BD |
| **B105** | **B106** | **B107** | **B108** | **B109** | **B110** | **B111** | **B112** |
| 89 | 71 | 19 | 27 | 3B | F8 | E4 | A6 |
| **B113** | **B114** | **B115** | **B116** | **B117** |
| F4 | EE | C0 | A6 | 50 |

### 4.9.5 EFRouting\_Indicator (Routing Indicator EF)

Logically:

Routing Indicator: 17

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Coding:** | **B1** | **B2** | **B3** | **B4** |
| Hex | 71 | FF | 00 | 00 |

### 4.9.6 EF5GS3GPPNSC (5GS 3GPP Access NAS Security Context)

This file shall be available.

Logically:

Key Set Identifier KSIASME: '07' (no key available)

KAMF: 32 byte key, any value

Uplink NAS count: '00'

Downlink NAS count: '01'

Identifiers of selected NAS integrity  
and encryption algorithms: '01'

Identifiers of selected EPS NAS  
integrity and encryption algorithms  
for use after mobility to EPS: '01'

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Byte:** | **B1** | **B2** | **B3** | **B4** | **B5** | **B6** | **B7** | **B8** | **…** | **B39** |
| Coding: Hex | A0 | 37 | 80 | 01 | 07 | 81 | 20 | xx | … | xx |
|  | **B40** | **B41** | **B42** | **B43** | **B44** | **B45** | **B46** | **B47** | **B48** | **B49** |
|  | 82 | 04 | 00 | 00 | 00 | 00 | 83 | 04 | 00 | 00 |
|  | **B50** | **B51** | **B52** | **B53** | **B54** | **B55** | **B56** | **B57** |
|  | 00 | 01 | 84 | 01 | 01 | 85 | 01 | 01 |

### 4.9.7 EF5GSN3GPPNSC (5GS non-3GPP Access NAS Security Context)

This file shall be available.

Logically:

Key Set Identifier KSIASME: '07' (no key available)

KAMF: 32 byte key, any value

Uplink NAS count: '00'

Downlink NAS count: '01'

Identifiers of selected NAS integrity  
and encryption algorithms: '01'

Identifiers of selected EPS NAS  
integrity and encryption algorithms  
for use after mobility to EPS: '01'

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Byte:** | **B1** | **B2** | **B3** | **B4** | **B5** | **B6** | **B7** | **B8** | **…** | **B39** |
| Coding: Hex | A0 | 37 | 80 | 01 | 07 | 81 | 20 | xx | … | xx |
|  | **B40** | **B41** | **B42** | **B43** | **B44** | **B45** | **B46** | **B47** | **B48** | **B49** |
|  | 82 | 04 | 00 | 00 | 00 | 00 | 83 | 04 | 00 | 00 |
|  | **B50** | **B51** | **B52** | **B53** | **B54** | **B55** | **B56** | **B57** |
|  | 00 | 01 | 84 | 01 | 01 | 85 | 01 | 01 |

### 4.9.8 EFPLMNwACT (User Controlled PLMN Selector with Access Technology)

Besides of the 8 mandatory PLMNwACT entries 4 optional PLMNwACT entries are defined according to TS 31.102 [4], clause 4.2.5. The Radio Access Technology identifiers are set either to satellite NG-RAN only, E-UTRAN only, UTRAN only or GSM only.

Logically: 1st PLMN: 244 081 (MCC MNC)

1st ACT: E-UTRAN

2nd PLMN: 244 081

2nd ACT: GSM

3rd PLMN: 244 083

3rd ACT: satellite NG-RAN

4th PLMN: 244 082

4th ACT: GSM

5th PLMN: 244 003

5th ACT: satellite NG-RAN

6th PLMN: 244 004

6th ACT: UTRAN

7th PLMN: 244 005

7th ACT: NG-RAN

8th PLMN: 244 081

8th ACT: UTRAN

9th PLMN: 244 007

9th ACT: UTRAN

10th PLMN: 244 008

10th ACT: E-UTRAN

11th PLMN: 244 009

11th ACT: UTRAN

12th PLMN: 244 010

12th ACT: E-UTRAN

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Coding: | B1 | B2 | B3 | B4 | B5 | B6 | B7 | B8 | B9 | B10 | B11 | B12 | B13 | B14 | B15 |
| Hex | 42 | 14 | 80 | 40 | 00 | 42 | 14 | 80 | 00 | 80 | 42 | 34 | 80 | 04 | 00 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | B16 | B17 | B18 | B19 | B20 | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
|  | 42 | 24 | 80 | 00 | 80 | 42 | 34 | 00 | 04 | 00 | 42 | 44 | 00 | 80 | 00 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | B31 | B32 | B33 | B34 | B35 | B36 | B37 | B38 | B39 | B40 | B41 | B42 | B43 | B44 | B45 |
|  | 42 | 54 | 00 | 08 | 00 | 42 | 14 | 80 | 80 | 00 | 42 | 74 | 00 | 80 | 00 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | B46 | B47 | B48 | B49 | B50 | B51 | B52 | B53 | B54 | B55 | B56 | B57 | B58 | B59 | B60 |
|  | 42 | 84 | 00 | 40 | 00 | 42 | 94 | 00 | 80 | 00 | 42 | 04 | 10 | 40 | 00 |

4.10 Definition of 5G-NR UICC – non-IMSI SUPI Type

The 5G-NR non-IMSI SUPI Type test cases require a different configuration than the one described in clause 4.9. For that purpose, a default 5G-NR UICC - non-IMSI SUPI Type is defined. In general, the values of the 5G-NR UICC - non-IMSI SUPI Type are identical to the 5G-NR UICC, with the following exceptions:

USIM AID value shall follows the PIX coding for '3GPP USIM (non-IMSI SUPI Type)' from ETSI TS 101 220 [54] annex E.

### 4.10.1 EFUST (USIM Service Table)

Settings from clause 4.9 (Default 5G-NR UICC) of the present document apply with the following changes:

Logically:

|  |  |  |
| --- | --- | --- |
| Service n°130 | Support for SUPI of type NSI or GLI or GCI | available |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Coding:** | **B1** | **B2** | **B3** | **B4** | **B5** | **B6** | **B7** | **B8** |
| Binary: | xxxx xx1x | xxxx xxxx | xxxx 1x00 | xxxx x1xx | xxxx xx11 | xxxx xxxx | xxxx xxxx | xxxx xxxx |
|  | **B9** | **B10** | **B11** |  | **B16** | **B17** |  |  |
|  | xxxx xxxx | xxxx xxxx | xx11 xxxx | ..... | xxx0 111x | xxxx xx1x |  |  |

### 4.10.2 EFIMSI (IMSI)

This file shall not be available.

### 4.10.3 EFSUPI\_NAI (SUPI as Network Access Identifier)

This file shall be available.

Logically: 00-00-5E-00-53-00@5gc.mnc012.mcc345.3gppnetwork.org

SUPI Type: GCI

Username: 00-00-5E-00-53-00

Realm: 5gc.mnc012.mcc345.3gppnetwork.org

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Coding:** | **B1** | **B2** | **B3** | **B4** | **B5** | **B6** | **B7** | **B8** |
| Hex | 82 | 33 | 30 | 30 | 2D | 30 | 30 | 2D |
|  | **B9** | **B10** | **B11** | **B12** | **B13** | **B14** | **B15** | **B16** |
| 35 | 45 | 2D | 30 | 30 | 2D | 35 | 33 |
| **B17** | **B18** | **B19** | **B20** | **B21** | **B22** | **B23** | **B24** |
| 2D | 30 | 30 | 40 | 35 | 67 | 63 | 2E |
| **B25** | **B26** | **B27** | **B28** | **B29** | **B30** | **B31** | **B32** |
| 6D | 6E | 63 | 30 | 31 | 32 | 2E | 6D |
| **B33** | **B34** | **B35** | **B36** | **B37** | **B38** | **B39** | **B40** |
| 63 | 63 | 33 | 34 | 35 | 2E | 33 | 67 |
| **B41** | **B42** | **B43** | **B44** | **B45** | **B46** | **B47** | **B48** |
| 70 | 70 | 6E | 65 | 74 | 77 | 6F | 72 |
| **B49** | **B50** | **B51** | **B52** | **B53** |
| 6B | 2E | 6F | 72 | 67 |

### 4.10.4 EF5GS3GPPLOCI (5GS 3GPP location information)

Settings from clause 4.9.3 of the present document apply.

### 4.10.5 EFSUCI\_Calc\_Info (Subscription Concealed Identifier Calculation Information EF)

Logically:

Protection Scheme Identifier List data object

Protection Scheme Identifier 1 – ECIES scheme profile B

Key Index 1: 1

Protection Scheme Identifier 2 – ECIES scheme profile A

Key Index 2: 2

Protection Scheme Identifier 3 – null-scheme

Key Index 3: 0

Home Network Public Key List data object

Home Network Public Key 1 Identifier: 27

Home Network Public Key 1:

- 04 72 DA 71 97 62 34 CE 83 3A 69 07 42 58 67 B8 2E 07 4D 44 EF 90 7D FB 4B 3E 21 C1 C2 25 6E BC D1 5A 7D ED 52 FC BB 09 7A 4E D2 50 E0 36 C7 B9 C8 C7 00 4C 4E ED C4 F0 68 CD 7B F8 D3 F9 00 E3 B4

Home Network Public Key 2 Identifier: 30

Home Network Public Key 2:

- 5A 8D 38 86 48 20 19 7C 33 94 B9 26 13 B2 0B 91 63 3C BD 89 71 19 27 3B F8 E4 A6 F4 EE C0 A6 50

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Coding:** | **B1** | **B2** | **B3** | **B4** | **B5** | **B6** | **B7** | **B8** |
| Hex | A0 | 06 | 02 | 01 | 01 | 02 | 00 | 00 |
|  | **B9** | **B10** | **B11** | **B12** | **B13** | **B14** | **B15** | **B16** |
| A1 | 6B | 80 | 01 | 1B | 81 | 41 | 04 |
| **B17** | **B18** | **B19** | **B20** | **B21** | **B22** | **B23** | **B24** |
| 72 | DA | 71 | 97 | 62 | 34 | CE | 83 |
| **B25** | **B26** | **B27** | **B28** | **B29** | **B30** | **B31** | **B32** |
| 3A | 69 | 07 | 42 | 58 | 67 | B8 | 2E |
| **B33** | **B34** | **B35** | **B36** | **B37** | **B38** | **B39** | **B40** |
| 07 | 4D | 44 | EF | 90 | 7D | FB | 4B |
| **B41** | **B42** | **B43** | **B44** | **B45** | **B46** | **B47** | **B48** |
| 3E | 21 | C1 | C2 | 25 | 6E | BC | D1 |
| **B49** | **B50** | **B51** | **B52** | **B53** | **B54** | **B55** | **B56** |
| 5A | 7D | ED | 52 | FC | BB | 09 | 7A |
| **B57** | **B58** | **B59** | **B60** | **B61** | **B62** | **B63** | **B64** |
| 4E | D2 | 50 | E0 | 36 | C7 | B9 | C8 |
| **B65** | **B66** | **B67** | **B68** | **B69** | **B70** | **B71** | **B72** |
| C7 | 00 | 4C | 4E | ED | C4 | F0 | 68 |
| **B73** | **B74** | **B75** | **B76** | **B77** | **B78** | **B79** | **B80** |
| CD | 7B | F8 | D3 | F9 | 00 | E3 | B4 |
| **B81** | **B82** | **B83** | **B84** | **B85** | **B86** | **B87** | **B88** |
| 80 | 01 | 1E | 81 | 20 | 5A | 8D | 38 |
| **B89** | **B90** | **B91** | **B92** | **B93** | **B94** | **B95** | **B96** |
| 86 | 48 | 20 | 19 | 7C | 33 | 94 | B9 |
| **B97** | **B98** | **B99** | **B100** | **B101** | **B102** | **B103** | **B104** |
| 26 | 13 | B2 | 0B | 91 | 63 | 3C | BD |
| **B105** | **B106** | **B107** | **B108** | **B109** | **B110** | **B111** | **B112** |
| 89 | 71 | 19 | 27 | 3B | F8 | E4 | A6 |
| **B113** | **B114** | **B115** | **B116** | **B117** |
| F4 | EE | C0 | A6 | 50 |

### 4.10.6 EFRouting\_Indicator (Routing Indicator EF)

Settings from clause 4.9.5 of the present document apply.

### 4.10.7 EFAD (Administrative Data)

Logically:

Mode of operation: normal operation

Additional information: ciphering indicator feature disabled

Length of MNC in the IMSI: 0

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Coding: | B1 | B2 | B3 | B4 |
| Hex | 00 | 00 | 00 | 00 |

## 4.11 5G-NR UICC – support of Rel-16 features

### 4.11.1 Introduction

The 5G-NR test cases supporting Rel-16 features require to extend the 5G-NR UICC described in clause 4.9. In general, the values of the 5G-NR UICC apply with the following exceptions:

### 4.11.2 EFUST (USIM Service Table)

**EFUST** (USIM Service Table)

Logically:

Settings from clause 4.9.1 (5G-NR UICC) of the present document apply with the following changes:

|  |  |  |  |
| --- | --- | --- | --- |
| Service n°133 |  | 5G Security Parameters extended | available |
| Service n°136 |  | Support for multiple records of NAS security context storage for multiple registration | available |

Coding:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Byte:** | **B1** | **B2** | **B3** | **B4** | **B5** | **B6** | **B7** | **B8** |
| Binary: | xxxx xx1x | xxxx xxxx | xxxx 1x00 | xxxx x1xx | xxxx xx11 | xxxx xxxx | xxxx xxxx | xxxx xxxx |
|  | **B9** | **B10** | **B11** | **…** | **B16** | **B17** |  |  |
|  | xxxx xxxx | xxxx xxxx | xx11 xxxx | ... | xxx0 111x | 1xx1 xxxx |  |  |

### 4.11.3 EF5GS3GPPNSC (5GS 3GPP Access NAS Security Context)

This file shall be available and shall contain two records (see 3GPP TS 31.102 [4]).

Logically:

First record

Key Set Identifier KSIASME: '07' (no key available)

KAMF: 32 byte key, any value

Uplink NAS count: '00'

Downlink NAS count: '01'

Identifiers of selected NAS integrity  
and encryption algorithms: '01'

Identifiers of selected EPS NAS  
integrity and encryption algorithms  
for use after mobility to EPS: '01'

Coding:

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Byte** | **B1** | **B2** | **B3** | **B4** | **B5** | **B6** | **B7** | **B8** | **…** | **B39** |
| Hex | A0 | 37 | 80 | 01 | 07 | 81 | 20 | xx | … | xx |
|  | **B40** | **B41** | **B42** | **B43** | **B44** | **B45** | **B46** | **B47** | **B48** | **B49** |
|  | 82 | 04 | 00 | 00 | 00 | 00 | 83 | 04 | 00 | 00 |
|  | **B50** | **B51** | **B52** | **B53** | **B54** | **B55** | **B56** | **B57** |
|  | 00 | 01 | 84 | 01 | 01 | 85 | 01 | 01 |

Second record

Key Set Identifier KSIASME: '07' (no key available)

KAMF: 32 byte key, any value

Uplink NAS count: '00'

Downlink NAS count: '01'

Identifiers of selected NAS integrity  
and encryption algorithms: '01'

Identifiers of selected EPS NAS  
integrity and encryption algorithms  
for use after mobility to EPS: '01'

PLMN: '000000'

Coding:

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Byte** | **B1** | **B2** | **B3** | **B4** | **B5** | **B6** | **B7** | **B8** | **…** | **B39** |
| Hex | A0 | 37 | 80 | 01 | 07 | 81 | 20 | xx | … | xx |
|  | **B40** | **B41** | **B42** | **B43** | **B44** | **B45** | **B46** | **B47** | **B48** | **B49** |
|  | 82 | 04 | 00 | 00 | 00 | 00 | 83 | 04 | 00 | 00 |
|  | **B50** | **B51** | **B52** | **B53** | **B54** | **B55** | **B56** | **B57** | **B58** | **B59** |
|  | 00 | 01 | 84 | 01 | 01 | 85 | 01 | 01 | 86 | 03 |
|  | **B60** | **B61** | **B62** |
|  | 00 | 00 | 00 |

### 4.11.4 EF5GSN3GPPNSC (5GS non-3GPP Access NAS Security Context)

This file shall be available and shall contain two records (see 3GPP TS 31.102 [4]).

Logically:

First record

Key Set Identifier KSIASME: '07' (no key available)

KAMF: 32 byte key, any value

Uplink NAS count: '00'

Downlink NAS count: '01'

Identifiers of selected NAS integrity  
and encryption algorithms: '01'

Identifiers of selected EPS NAS  
integrity and encryption algorithms  
for use after mobility to EPS: '01'

Coding:

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Byte** | **B1** | **B2** | **B3** | **B4** | **B5** | **B6** | **B7** | **B8** | **…** | **B39** |
| Hex | A0 | 37 | 80 | 01 | 07 | 81 | 20 | xx | … | xx |
|  | **B40** | **B41** | **B42** | **B43** | **B44** | **B45** | **B46** | **B47** | **B48** | **B49** |
|  | 82 | 04 | 00 | 00 | 00 | 00 | 83 | 04 | 00 | 00 |
|  | **B50** | **B51** | **B52** | **B53** | **B54** | **B55** | **B56** | **B57** |
|  | 00 | 01 | 84 | 01 | 01 | 85 | 01 | 01 |

Second record

Key Set Identifier KSIASME: '07' (no key available)

KAMF: 32 byte key, any value

Uplink NAS count: '00'

Downlink NAS count: '01'

Identifiers of selected NAS integrity  
and encryption algorithms: '01'

Identifiers of selected EPS NAS  
integrity and encryption algorithms  
for use after mobility to EPS: '01'

PLMN: '000000'

Coding:

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Byte** | **B1** | **B2** | **B3** | **B4** | **B5** | **B6** | **B7** | **B8** | **…** | **B39** |
| Hex | A0 | 42 | 80 | 01 | 07 | 81 | 20 | xx | … | xx |
|  | **B40** | **B41** | **B42** | **B43** | **B44** | **B45** | **B46** | **B47** | **B48** | **B49** |
|  | 82 | 04 | 00 | 00 | 00 | 00 | 83 | 04 | 00 | 00 |
|  | **B50** | **B51** | **B52** | **B53** | **B54** | **B55** | **B56** | **B57** | **B58** | **B59** |
|  | 00 | 01 | 84 | 01 | 01 | 85 | 01 | 01 | 86 | 03 |
|  | **B60** | **B61** | **B62** |
|  | 00 | 00 | 00 |

### 4.11.5 EF5GAUTHKEYS (5G Authentication Keys)

Logically:

KAUSF: 32 bytes, invalid

KSEAF for 3GPP access:32 bytes, invalid

KSEAF for non-3GPP access:32 bytes, invalid

SOR counter: 2 bytes, invalid

UE parameter update counter: 2 bytes, invalid

Coding:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Byte** | **B1** | **B2** | **B3** | **..** | **B35** | **B36** | **B37** | **..** |
| Hex | 80 | 20 | FF | FF | 81 | 20 | FF | FF |
|  | **B69** | **B70** | **B71** | **..** | **B103** | **B104** | **B105** | **B106** |
|  | 82 | 20 | FF | FF | 83 | 02 | FF | FF |
|  | **B107** | **B108** | **B109** | **B110** |
|  | 84 | 02 | FF | FF |

## 4.12 Definition of CAG 5G-NR UICC

The 5G-NR CAG test cases require a different configuration than the one described in clause 4.9. For that purpose, a default CAG 5G-NR UICC is defined. In general, the values of the CAG 5G-NR UICC are identical to the default 5G-NR UICC, with the following exceptions:

### 4.12.1 EFUST (USIM Service Table)

Logically:

|  |  |  |  |
| --- | --- | --- | --- |
| Service n°137: |  | Preconfigured CAG information list | available |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Coding:** | **B1** | **B2** | **B3** | **B4** | **B5** | **B6** | **B7** | **B8** |
| Binary: | xxxx xx1x | xxxx xxxx | xxxx 1x00 | xxxx x1xx | xxxx xx11 | xxxx xxxx | xxxx xxxx | xxxx xxxx |
|  | **B9** | **B10** | **B11** | **…** | **B16** | **B17** | **B18** | **B19** |
|  | xxxx xxxx | xxxx xxxx | xx11 xxxx | ... | xxx0 111x | xxxx xxxx | xxxx xxx1 | 0000 00xx |

### 4.12.2 EFCAG (Pre-configured CAG information list)

**EFCAG** (Pre-configured CAG information list EF)

Logically:

PLMN: 244 083 (MCC MNC)

CAG only: 1

Range indication: 1

CAG-ID range: 00 00 00 01 – 00 00 00 07

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Coding:** | **B1** | **B2** | **B3** | **B4** | **B5** | **B6** | **B7** | **B8** | **B9** | **B10** |
| Hex | 00 | 0D | 0C | 42 | 34 | 80 | 03 | 00 | 00 | 00 |
|  | **B11** | **B12** | **B13** | **B14** | **B15** | **B16** | **B17** | **B18** | **B19** | **B20** |
|  | 01 | 00 | 00 | 00 | 07 |

## 4.13 Definition of 5G-NR ISIM-UICC

### 4.13.1 Applications on the 5G-NR ISIM-UICC

The 5G-NR ISIM-UICC shall contain a USIM as defined in clause 4.9 and an ISIM as defined in clause 4.5.3.

### 4.13.2 Default ISIM values on 5G-NR ISIM-UICC

The 5G-NR ISIM-UICC shall contain an ISIM for IMS access with the values as defined in clause 4.5.3.

## 4.14 Default WLAN AP and UE configuration for non-3GPP access

### 4.14.1 Default NG-SS WLAN AP configuration

Default parameters for the NG-SS WLAN AP Cell Aw below are defined for the test cases with non-3GPP access and NAS signaling over N3IWF is required.

WLAN AP cell frequency and other parameters are as defined in clause 4.4.1.3 of 3GPP 38.508-1[40], and clauses 4.4.2 and 4.4.8 of 36.508 [29].

### 4.14.1.1 WLAN AP frequency

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test frequency | RAT | Operating band | Range | Simulated cells |
| f20 | WLAN | Operating band for WLAN AP's | Mid | WLAN AP Cell Aw |

### 4.14.1.2 WLAN AP default parameters

|  |  |  |
| --- | --- | --- |
| Parameter | Value | Condition |
| SSID | 3GPP WLAN InterWorking |  |
| Security | [WPA2] |  |
| Hot Spot 2.0 Support | Yes |  |
| Trusted/Un-Trusted non 3GPP Access | Un-Trusted |  |
| EAP-AKA Procedure | CHAP |  |

### 4.14.2 Default WLAN configuration for the UE

### 4.14.2.1 N3IWF Identifier configuration

It contains the FQDN of the N3IWF in the HPLMN as defined in clause 28.3.2.2 of TS 23.003[14] and shall be same as the FQDN of the N3IWF within NG-SS.

### 4.14.2.2 Non-3GPP access node selection information

It contains, i) PLMN of WLAN Cell Aw as the highest priority PLMN, ii) the 'Preference' parameter indicates N3IWF is preferred in this PLMN.

## 4.15 Definition of 5G-NR UICC supporting Rel-17 features

### 4.15.0 Introduction

The 5G-NR UICC supporting Rel-17 features test cases require a different configuration than the one described in clause 4.9. For that purpose, a default 5G-NR UICC supporting Rel-17 features is defined. In general, the values of the 5G-NR UICC supporting Rel-17 features are identical to the 5G-NR UICC, with the following exceptions:

4.15.1 EFUST (USIM Service Table)

Logically:

Settings from clause 4.9 (5G-NR UICC) of the present document apply with the following changes:

|  |  |  |  |
| --- | --- | --- | --- |
| Service n°129: |  | 5GS Operator PLMN List | not available |
| Service n°130: |  | Support for SUPI of type NSI or GLI or GCI | not available |
| Service n°131: |  |  | not available |
| Service n°132: |  | Support for URSP by USIM | not available |
| Service n°133: |  | 5G Security Parameters extended | not available |
| Service n°134: |  | MuD and MiD configuration data | not available |
| Service n°135: |  | Support for Trusted non-3GPP access networks by USIM | not available |
| Service n°136: |  | Support for multiple records of NAS security context storage for multiple registration | not available |
| Service n°137: |  | Pre-configured CAG information list | not available |
| Service n°138: |  | SOR-CMCI storage in USIM | not available |
| Service n°139: |  |  | not available |
| Service n°140: |  | Storage of disaster roaming information in USIM | not available |
| Service n°141: |  | Pre-configured eDRX parameters | not available |
| Service n°142: |  | 5G NSWO support | not available |
| Service n°143: |  |  | not available |
| Service n°144: |  | Multiplier Coefficient for Higher Priority PLMN search via NG-RAN satellite access | not available |
| Service n°145: |  | KAUSF derivation configuration | not available |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Coding:** | **B1** | **B2** | **B3** | **B4** | **B5** | **B6** | **B7** | **B8** |
| Binary: | xxxx xx1x | xxxx xxxx | xxxx 1x00 | xxxx x1xx | xxxx xx11 | xxxx xxxx | xxxx xxxx | xxxx xxxx |
|  | **B9** | **B10** | **B11** | **…** | **B16** | **B17** | **B18** | **B19** |
|  | xxxx xxxx | xxxx xxxx | xx11 xxxx | ... | xxx0 111x | 0000 0000 | 0000 0000 | 0000 0000 |

### 4.15.2 EFMCHPPLMN (Multiplier Coefficient for Higher Priority PLMN search)

Logically:

Multiplier coefficient: 00

|  |  |
| --- | --- |
| **Coding:** | **B1** |
| Hex | 00 |

### 4.15.3 EFHPLMNwACT (HPLMN selector with Access Technology)

Logically: PLMN: MCC 244 and MNC 081

PLMN Access Technology Identifier: NG-RAN

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Coding:** | **B1** | **B2** | **B3** | **B4** | **B5** |
| Hex | 42 | 14 | 00 | 08 | 00 |

## 4A Default values for NG-SS and UE configurations

## 4A.1 Default NG-SS and UE configuration for different usage settings

For 'voice centric' usage, NG-SS shall support IMS voice over PS session over 3GPP access and the IMS SIP Registration procedure, in accordance with clauses 4A.2 and 4A.3. IMS specific configuration as defined in clause 4A.4 shall be used in the UE.

For 'data centric' usage, NG-SS may not support IMS voice over PS session over 3GPP access as in clause 4A.2.2 and only the clause 4A.2.1 may be applicable. UE may attempt to initiate a PDU Session establishment for IMS and it is up to NG-SS implementation to accept it and perform IMS registration procedure as in clause 4A.2 or reject the PDU Session establishment. IMS specific configuration as defined in clause 4A.4 may be used in the UE.

Depending on the optional feature pc\_ue\_usage\_voice\_centric as defined in clause 3.7 test system shall switch the test case behaviour to 'voice centric' or 'data centric'.

### 4A.2 Default NG-SS configuration for 3GPP access with IMS service

### 4A.2.1 Default NG-SS configuration for IMS Registration support

NG-SS is configured with the IMSI within the USIM application, the P-CSCF address, the home domain name, public and private user identities together with the shared secret key of IMS AKA algorithm, related to the IMS private user identity (IMPI) that is configured on the ISIM UICC.

* NG-SS is listening to SIP default port 5060 for both UDP and TCP protocols.
* NG-SS is able to perform IMS AKA authentication for the IMPI, according to 3GPP TS 33.203 [xx] clause 6.1.
* SIB 1 in NG-SS Cell shall not include uac-BarringInfo with UAC\_BarringInfo for AccessCategory 9, IMS Signalling.

### 4A.2.2 Default NG-SS configuration for PS voice support

Following parameters apply to all the 5G test cases in voice centric usage.

* 5GS network feature support element includes 'IMS voice over PS session over 3GPP access indicator' (IMS-VoPS-3GPP) in the REGISTRATION ACCEPT.

### 4A.3 Default NG-SS procedure for 5G Registration on 3GPP access with IMS service

The NG-SS and UE shall perform 5G Registration procedure and IMS SIP Registration procedure as per the generic procedure defined in this clause.

5G-NR generic procedure for 5G Registration on 3GPP access with IMS service defined in Annex Z.1 shall be the default procedure for 5G Registration on 3GPP access with IMS service.

Steps under the Procedure in each 5G test case may describe only the steps necessary for the Test Purpose. However, in voice centric usage, NG-SS and UE shall support additional steps defined in Annex B.

### 4A.4 Default UE configuration for IMS service

UE shall be configured with the DNN type as 'ims' and DNN as IMS.

IMS private user identity, Home Network Domain Name, IMS public user identity, and P-CSCF Address required for IMS SIP Registration shall be configured in the 5G-NR ISIM-UICC as defined in clause 4.13.