**3GPP TSG-CT WG6 Meeting #103-eC6-200840**

**Online; 17th November 2020 – 20th November 2020**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **31.121** | **CR** | **0439** | **rev** | **2** | **Current version:** | **16.1.0** |  |
|  | | | | | | | | |
| *For* [***HE******LP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* | | | | | | | | |
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| ***Proposed change affects:*** | UICC apps | **X** | ME | **X** | Radio Access Network |  | Core Network |  |

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|  | | | | | | | | | | |
| ***Title:*** | Test case covering Support for URSP by USIM | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Thales DIS | | | | | | | | | |
| ***Source to TSG:*** | CT6 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI16, 5GS\_Ph1\_UEConTest | | | | |  | ***Date:*** | | | 2020-11-16 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **A** |  | | | | | ***Release:*** | | | Rel-16 |
|  | *Use one of the following categories:* ***F*** *(correction)* ***A*** *(mirror corresponding to a change in an earlier release)* ***B*** *(addition of feature),* ***C*** *(functional modification of feature)* ***D*** *(editorial modification)*  Detailed explanations of the above categories can be found in 3GPP [TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). | | | | | | | | *Use one of the following releases: Rel-8 (Release 8) Rel-9 (Release 9) Rel-10 (Release 10) Rel-11 (Release 11) … Rel-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Introduction a new Test Case dedicated to ‘Support for URSP by USIM’ | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | New test section AA added to cover URSP procedure and specifically the EFURSP reading and corresponding rules applied by ME if service n° 132 ‘Support for URSP by USIM’ is available in EFUST, as specified in 3GPP TS 31.102 and 3GPP TS 24.526. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | No test case available to confirm ME behavior on the EFURSP in USIM as specified in 3GPP TS 31.102 and 3GPP TS 24.526 | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 2, 3.3, 3.7, 3.8, X (new added section and sub-sections). | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **X** | Other core specifications | | | |  | | |
| ***affected:*** | |  | **X** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
|  | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | | was C6-200807 | | | | | | | | |

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

# 2 References

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

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

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

 For a non-specific reference, the latest version in same release as the implementation release of the terminal under test applies.

[1] Void

[2] Void

[3] 3GPP TS 23.038: "Alphabets and language-specific information".

[4] 3GPP TS 31.102: "Characteristics of the USIM application".

[5] If the device under test is a

- R99 ME: ETSI TS 102 221 v3.18.0: "UICC-Terminal interface; Physical and logical characteristics",

- Rel-4 ME: ETSI TS 102 221 v4.16.0: "UICC-Terminal interface; Physical and logical characteristics",

- Rel-5 ME: ETSI TS 102 221 v5.10.0: "UICC-Terminal interface; Physical and logical characteristics",

- Rel-6 ME: ETSI TS 102 221 v6.15.0: "UICC-Terminal interface; Physical and logical characteristics",

- Rel-7 ME: ETSI TS 102 221 v7.17.0: "UICC-Terminal interface; Physical and logical characteristics",

- Rel-8 ME: ETSI TS 102 221 v8.5.0: "UICC-Terminal interface; Physical and logical characteristics",

- Rel-9 ME: ETSI TS 102 221 v9.2.0: "UICC-Terminal interface; Physical and logical characteristics"",

- Rel-10 ME: ETSI TS 102 221 v10.0.0: "UICC-Terminal interface; Physical and logical characteristics",

- Rel-11 ME: ETSI TS 102 221 v11.1.0: "UICC-Terminal interface; Physical and logical characteristics",

- Rel-12 ME: ETSI TS 102 221 v12.1.0: "UICC-Terminal interface; Physical and logical characteristics".

- Rel-13 ME: ETSI TS 102 221 v13.2.0: "UICC-Terminal interface; Physical and logical characteristics".

- Rel-14 ME: ETSI TS 102 221 v14.1.0: "UICC-Terminal interface; Physical and logical characteristics".

- Rel-15 ME: ETSI TS 102 221 v15.0.0: "UICC-Terminal interface; Physical and logical characteristics".

[6] 3GPP TS 22.011: "Service accessibility".

[7] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".

[8] 3GPP TS 22.024: "Description of Charge Advice Information (CAI)".

[9] 3GPP TS 23.086: "Advice of Charge (AoC) Supplementary Service – Stage 2".

[10] 3GPP TS 24.086: "Advice of Charge (AoC) Supplementary Service – Stage 3".

[11] 3GPP TS 22.101: "Service aspects; Service principles".

[12] 3GPP TS 22.030: "Man-Machine Interface (MMI) of the User Equipment (UE)".

[13] 3GPP TS 23.040: "Technical realization of the Short Message Service (SMS)".

[14] 3GPP TS 23.003: "Numbering, Addressing and Identification".

[15] 3GPP TS 44.018: "Mobile radio interface layer 3 specification; Radio Resource Control Protocol".

[16] 3GPP TS 24.008: "Mobile radio interface Layer 3 specification; Core Network protocols; Stage 3".

[17] 3GPP TS 24.080: "Mobile radio Layer 3 supplementary service specification; Formats and coding".

[18] 3GPP TS 22.086: "Advice of Charge (AoC) supplementary services; Stage 1".

[19] 3GPP TS 21.111: "USIM and IC card requirements".

[20] 3GPP TS 25.331 "Radio Resource Control (RRC); Protocol Specification".

[21] 3GPP TS 34.108 "Common test environments for User Equipment (UE) conformance testing".

[22] 3GPP TS 51.010‑1 "Mobile Station (MS) conformance specification; Part1: Conformance specification".

[23] 3GPP TS 23.140 Release 6 "Multimedia Messaging Service (MMS); Functional description; Stage 2".

[24] 3GPP TS 24.002 "GSM – UMTS Public Land Mobile Network (PLMN) Access Reference Configuration".

[25] 3GPP TS 23.060 "General Packet Radio Service (GPRS); Service description; Stage 2".

[26] 3GPP TS 24.301: "Technical Specification Group Core Network and Terminals; Non-Access-Stratum (NAS) protocol for Evolved Packet Systems (EPS): Stage 3".

[27] 3GPP TS 33.401: "3GPP System Architecture Evolution (SAE); Security architecture".

[28] 3GPP TS 36.331: "Evolved Universal Terrestrial Radio Access (E-UTRA) Radio Resource Control (RRC); Protocol specification".

[29] 3GPP TS 36.508: "Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC); Common test environments for User Equipment (UE) conformance testing"

[30] 3GPP TS 36.523-2 " Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC);User Equipment (UE) conformance specification;Part 2: Implementation Conformance Statement (ICS) proforma specification"

[31] 3GPP TS 23.122: "Non-Access-Stratum functions related to Mobile Station (MS) in idle mode".

[32] 3GPP TS 31.103: "Characteristics of the IP Multimedia Services Identity Module (ISIM) application".

[33] 3GPP TS 34.229-1: "Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); User Equipment (UE) conformance specification; Part 1: Protocol conformance specification".

[34] 3GPP TS 22.220: "Universal Mobile Telecommunications System (UMTS); Service requirements for Home Node B (HNB) and Home eNode B (HeNB)".

[35] 3GPP TS 36.304: "Evolved Universal Terrestrial Radio Access (E-UTRA) User Equipment (UE); Procedures in idle mode ".

[36] 3GPP TS 24.368: "Non-Access Stratum (NAS) configuration Management Object (MO)"

[37] 3GPP TS 23.401: "General Packet Radio Service (GPRS) enhancements for Evolved Universal Terrestrial Radio Access Network (E-UTRAN) access".

[38] 3GPP 34.123-1: "User Equipment (UE) conformance specification; Part 1: Protocol conformance specification".3 Definitions, symbols, abbreviations and coding

[39] 3GPP TS 31.101: " UICC-terminal interface; Physical and logical characteristics".

[40] 3GPP TS 38.508-1: "5GS; User Equipment (UE) conformance specification; Part 1: Common test environment".

[41] 3GPP TS 33.501: "Security architecture and procedures for 5G System".

[42] 3GPP TS 24.501: "Non-Access-Stratum (NAS) protocol for 5G System (5GS); Stage 3".

[43] 3GPP TS 22.261: "Service requirements for the 5G system".

[44] 3GPP TS 38.331: "NR Radio Resource Control (RRC) protocol specification".

[45] 3GPP TS 33.102: "3G security; Security architecture".

[46] RFC 5480; "Elliptic Curve Cryptography Subject Public Key Information".

[47] RFC 4187; "Extensible Authentication Protocol Method for 3rd Generation Authentication and Key Agreement (EAP-AKA)".

[xx] 3GPP TS 24.526: "User Equipment (UE) policies for 5G System (5GS)"

[yy] 3GPP TS 23.501: "System architecture for the 5G System (5GS)"

[zz] 3GPP TS 23.503: "Policy and charging control framework for the 5G System (5GS)"

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

## 3.3 Abbreviations

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

2G 2nd Generation

3G 3rd Generation

3GPP 3rd Generation Partnership Project

5G 5th Generation

ACC Access Class

ACL APN Control List

ACM Accumulated Call Meter

ACMmax ACM maximal value

ACT Access Technology

ADF Application Dedicated File

AoC Advice of Charge

AoCC Advice of Charge Charging

APN Access Point Name

ASME Access Security Management Entity

ATR Answer To Reset

BCCH Broadcast Control Channel

BCD Binary Coded Decimal

BDN Barred Dialling Number

CCI Capability / Configuration1 Identifier

CCI2 Capability / Configuration(2) Identifier

CCM Current Call Meter

CK Cipher key

CN Core Network

CS Circuit switched

CSG Closed Subscriber Group

DF Dedicated File

EPC Evolved Packet Core

E-USS Evolved Universal System Simulator

E-UTRA Evolved UTRA

EF Elementary File

eFDD evolved Frequency Division Duplex

EMM EPS Mobility Management

EMMI Electrical Man Machine Interface

EPS Evolved Packet System

eTDD evolved Time Division Duplex

Ext n Extension n

FDD Frequency Division Duplex

FDN Fixed Dialling Number

FPLMN Forbidden PLMN

GSM Global System for Mobile communications

HNB Home NodeB

HeNB Home eNodeB

HPLMN Home PLMN

ICC Integrated Circuit Card

ID Identifier

IEC International Electrotechnical Commission

IK Integrity key

IMSI International Mobile Subscriber Identity

ISO International Organization for Standardization

KSI Key Set Identifier

LAC Location Area Code

LAI Location Area Information

LSB Least Significant Bit

MCC Mobile Country Code

MCS Mission Critical Services

MF Master File

MM Multimedia Message

MMI Man Machine Interface

MMS Multimedia Messaging Service

MNC Mobile Network Code

MPS Multimedia Priority Service

MS Mobile Station

MSB Most Significant Bit

NAS Non Access Stratum

NB-IoT Narrow Band Internet of Things

NB-SS Narrow Band System Simulator

NG-RAN Next Generation Radio Access Network

NG-SS Next Generation System Simulator

NPI Numbering Plan Identifier

OFM Operational Feature Monitor

OSI Open System Interconnection

P1 Parameter 1

P2 Parameter 2

P3 Parameter 3

PIN Personal Identification Number

PLMN Public Land Mobile Network

PS Packet switched

RACH Random Access Channel

RFU Reserved for Future Use

RRC Radio Resource Control

SFI Short File Identifier

SIB System Information Block

SM Short Message

SMS Short Message Service

SS System Simulator (GSM)

TDD Time Division Duplex

TE Terminal Equipment

TLV Tag Length Value

TMSI Temporary Mobile Subscriber Identity

TON Type Of Number

UAC Unified Access Control

UE User Equipment

URSP UE Route Selection Policy

USIM Universal Subscriber Identity Module

USS UMTS System Simulator

UTRA Universal Terrestrial Radio Access

UTRAN UMTS Terrestrial Radio Access Network

VPLMN Visitor PLMN

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

## 3.7 Table of optional features

Support of several features is optional or release dependent for the terminal equipment. However, if an ME states conformance with a specific 3GPP release, it is mandatory for the ME to support all mandatory functions of that release, as stated in table A.1 with the exception of the functions:

- "Support of ACL"; and

- "Support of local phonebook";

The supplier of the implementation shall state the support of possible options in table A.1.

Table A.1: Options

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Item | Option | Status | Support | Mnemonic |
| 1 | Support of CS | O |  | O\_CS |
| … |  |  |  |  |
| 44 | Support of NR access | O |  | pc\_NR |
| xx | Support of URSP rules | O |  | O\_URSP |
| C001 If terminal is 3G terminal then M else N/A  C002 If terminal is 2G terminal then M else O  C003 If Higher priority PLMN selector with Access Technology service is implemented according to Rel-6 or later then O else M  C004 If (A.1/18 is supported) AND (A.1/31 is supported) AND (A.1/32 is supported) AND (terminal is implemented according to Rel-6 or later) then M, else O  C005 If ((A.1/11 is NOT supported) OR (terminal is implemented according to R99)) then N/A else if terminal is implemented according to Rel-4 then O else M  C006 void  NOTE 1: The support of this feature was made optional by CR#0214. See conditions in TS 31.102 [4]  NOTE 2: The support of this feature was made optional by CR#0200. | | | | |

## 3.8 Applicability table

Table B.1: Applicability of tests

| Item | Description | Tested feature defined in Release | Test sequence(s) | R99 ME | Rel-4 ME | Rel-5 ME | Rel-6 ME | Rel-7 ME | Rel-8 ME | Rel-9 ME | Rel-10 ME | Rel-11 ME | Rel-12 ME | Rel-13 ME | Rel-14-ME | Rel-15 ME | Rel-16 ME | Network Dependency | Support | Additional test case execution recommendation |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | UE identification by short IMSI | R99 | 5.1.1 | M | M | M | M | M | C049 | C049 | C049 | C049 | C049 | C049 | C049 | C049 | C049 | UMTS System Simulator or System Simulator only |  | AER005 |
| … |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 166 | Display of 5G Operator PLMN name from USIM | Rel-15 | 5.5.1 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | C057 | C057 | NG-SS |  |  |
| 167 | Display of 5G Operator PLMN name from ME. | Rel-15 | 5.5.2 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | C057 | C057 | NG-SS |  |  |
| 168 | Unified Access Control Access with Operator-defined Access Categories –SUPI change | Rel-15 | 5.4.12 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | C056 | C056 | NG-SS |  |  |
| xxx | Support for URSP by USIM | Rel-16 | X.1.1 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | C0zz | NG-SS |  |  |

Table B.1: Applicability of tests (continued)

|  |  |  |
| --- | --- | --- |
| C001 | (NOT A.1/3) AND A.1/4 | -- (NOT O\_UTRAN) AND O\_GERAN |
| C002 | A.1/1 AND A.1/3 | -- O\_CS AND O\_UTRAN |
| … |  |  |
| C057 | IF A.1/44 AND A.1/31 THEN M ELSE N/A | -- pc\_NG\_RAN\_NR AND O\_Display |
| C057 | IF A.1/44 AND A.1/31 THEN M ELSE N/A | -- pc\_NG\_RAN\_NR AND O\_Display |
| C0zz | IF A.1/44 AND A.1/xx THEN M ELSE N/A | -- pc\_NG\_RAN\_NR AND O\_URSP |
| O.1 | IF C002 THEN "Expected Sequence A" M ELSE IF C001 THEN "Expected Sequence B" M |  |
| AER001 | IF (A.1/20 OR A.1/21) AND ((A.1/3 OR A.1/4) AND (NOT A.1/18) THEN R ELSE A | -- (pc\_eFDD OR pc\_eTDD) AND (O\_UTRAN OR O\_GERAN) AND (NOT O\_Speech\_Calls) |
| AER002 | IF (A.1/20 OR A.1/21) AND (A.1/3 OR A.1/4) THEN R ELSE A | -- (pc\_eFDD OR pc\_eTDD) AND (O\_UTRAN OR O\_GERAN) |
| AER003 | IF (test 8.2.3 has been PASSED) THEN R ELSE A |  |
| AER004 | IF (test 8.2.5 has been PASSED) THEN R ELSE A |  |
| AER005 | IF (NOT A.1/3) AND A.1/4 AND (NOT A.1/1) THEN R ELSE A | -- (NOT O\_UTRAN) AND ((O\_GERAN AND (NOT O\_CS)) |
| AER006 | If A.1/38 is supported set the implementation specific counter to small value to reduce the test execution time. |  |
| AER007 | If A.1/39 is supported, in addition to the test case initial conditions, any specific information or particular UE configurations required to ensure that the UE performs UICC deactivation in PSM shall be provided by the UE manufacturer. |  |
| AER008 | If A.1/40 is supported, in addition to the test case initial conditions, any specific information or particular UE configurations required to ensure that the UE performs UICC deactivation in eDRX shall be provided by the UE manufacturer |  |
| AER009 | The value of timers T3324 (T3324\_V) and T3412 (T3412\_V) shall be provided by the UE manufacturer and shall be set to a value suitable for executing the test cases. |  |
| AER010 | The value of eDRX (eDRX\_V) and PTW (PTW\_V) parameters shall be provided by the UE manufacturer and shall be set to a value suitable for executing the test cases. |  |
|  |  |  |
| NOTE 1: Definition of applicability for this test case is FFS.  NOTE 2: For Rel‑13, if the UE supports NB-IoT, this test case shall be verified by accessing the NB System Simulator (NB-SS). | | |

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

# 15 Authentication procedure and NAS security context handling for 5G

## 15.1 Authentication procedure for EAP-AKA'

…

## 15.2 Authentication procedure for 5G AKA

15.2.1 Authentication procedure for 5G AKA - Authentication is successful

15.2.1.1 Definition and applicability

…

### 15.2.4 Authentication procedure for 5G AKA - after SUPI is changed

#### 15.2.4.1 Definition and applicability

…

#### 15.2.4.5 Acceptance criteria

1) In step h) the UE sends a SECURITY MODE COMPLETE message.

2) In step m) the UE shall not use the 5G-GUTI or the Last visited registered TAI parameters in the REGISTRATION REQUEST message, instead it shall use SUCI as 5GS mobile identity IE.

3) During step m) the UE shall indicate within the REGISTRATION REQUEST for the NAS key set identifier that no key is available.

4) After step m) the UE sends SECURITY MODE REJECT message.

# X UE Route Selection Policy (URSP) procedure

## X.1 Pre-configured URSP rules

## X.1.1 Support for URSP by USIM

#### X.1.1.1 Definition and applicability

As specified in 3GPP TS 24.526 [xx], if the UE has no signalled URSP, and the UE has pre-configured URSPs configured in both the USIM and the ME, then the UE shall use the pre-configured URSP in the USIM.

As specified in 3GPP TS 31.102 [4], the EFURSP in the USIM contains UE Route Selection Policies per PLMN and shall be taken into account by ME if EFUST service ° 132 “Support for URSP by USIM” is available.

#### X.1.1.2 Conformance requirement

1) The UE shall support the URSP procedure.

1) The URSP rules shall be read from USIM if service n°132 is "available".

2) The ME shall use the URSP rules from USIM instead of any pre-configured USRP rules in ME if service n°132 is "available".

Reference:

- 3GPP TS 31.102 [4], subclauses 5.2.34 and 4.4.11.12;

- 3GPP TS 24.526 [xx], subclause 4.2.2.2 and 5.2;

- 3GPP TS 23.501 [yy], clauses 5.15.5.2 and 5.15.5.3,

- 3GPP TS 23.503 [zz], subclause 6.6.2.

- 3GPP TS 23.003 [14], clause 9A,

#### X.1.1.3 Test purpose

1) To verify that the ME reads the URSP rules from USIM if service n°132 is "available".

2) To verify that the ME uses the matching URSP rule from USIM to set the PDU session establishment parameters if service n°132 is "available".

#### X.1.1.4 Method of test

##### X.1.1.4.1 Initial conditions

The NG-RAN parameters of the system simulator are:

- Mobile Country Code (MCC) = 001;

- Mobile Network Code (MNC) = 01;

- Tracking Area Code (TAC) = 000001;

- NG-RAN Cell Id = 0001 (36 bits).

The Allowed S-NSSAI list is configured in NG-SS as ‘01 01 01 01’, ‘01 01 01 02’and ‘01 01 01 03’.

The ME is pre-configured with the following URSP rules:

USRP rules for one PLMN only

PLMN: 001 01

Rule Precedence =1

Traffic descriptor:

DNN=TestGp.rs

Route Selection Descriptor:

Precedence=1

Network Slice Selection, S-NSSAI: 01 01 01 02 (ST:MBB, SD: 010102)

SSC Mode Selection: SSC Mode 2

Access Type preference: 3GPP access

Rule Precedence = <lowest priority>

Traffic Descriptor: \*

Route Selection Descriptor:

Precedence =1

Network Slice Selection, S-NSSAI: 01 01 01 01 (ST: MBB, SD: 010101)

SSC Mode Selection: SSC Mode 3

DNN Selection: internet

The default 5G-NR UICC is used (with the following additions) and the UICC is installed into the ME.

**EFUST (USIM Service Table)**

Logically:

User controlled PLMN selector available

Fixed dialling numbers available

The GSM Access available

The Group Identifier level 1 and level 2 not available

Service n 33 (Packed Switched Domain) shall be set to '1'

Enabled Services Table available

EPS Mobility Management Information available

Allowed CSG Lists and corresponding indications available

5GS Mobility Management Information available

5G Security Parameters available

Subscription identifier privacy support available

SUCI calculation by USIM not available

Support for URSP by USIM

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 | xxxx 1xxx |  |  |

**EFURSP (URSP)**

URSP rules for one PLMN only

PLMN: 001 01

Rule Precedence =0

Traffic descriptor:

DNN=TestGp.rs

Route Selection Descriptor:

Precedence=0

Network Slice Selection, S-NSSAI: ‘01 01 01 03’ (ST: MBB, SD: 010103)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Coding:** | **B1** | **B2** | **B3** | **B4** | **B5** | **B6** | **B7** | **B8** |
| Hex | 80 | 1D | 00 | F1 | 10 | 19 | 18 | 00 |
|  | 0C | 04 | 0A | 06 | 54 | 65 | 73 | 74 |
|  | 47 | 70 | 02 | 72 | 73 | 09 | 08 | 00 |
|  | 06 | 02 | 04 | 01 | 01 | 01 | 03 |  |

##### X.1.1.4.2 Procedure

a) The UE is switched on.

b) The UE is successfull authenticated to PLMN 001 01 and the NG-SS indicates Allowed S-NSSAI list as ‘01 01 01 01’, ‘01 01 01 02’and ‘01 01 01 03’.

b) No URSP rules are provisioned by the PCF.

d) An application in the UE wants to connect to DNN=TestGp.rs

d) PDU SESSION ESTABLISH REQUEST is sent to the network

DNN: TestGp.rs

S-NSSAI: ‘01 01 01 03’

#### X.1.1.5 Acceptance criteria

1) After step a) the UE shall read EFUST and EFURSP

2) During step d) the UE checks URSP rules and select the matching one from USIM.

3) Parameters set in PDU SESSION ESTABLISH REQUEST is the one coming from matched URSP rules from USIM and not the one from pre-configured URSP rules in ME.

\*\*\*\*\* End of changes \*\*\*\*\*