**3GPP TSG-RAN5 Meeting #94-e *R5-22xxxx***

**Electronic Meeting, 21st February – 4th March 2022**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **51.010-2** | **CR** | **4408** | **rev** | **-** | **Current version:** | **13.12.0** |  |
|  | | | | | | | | |
| *For* [***HE******LP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* | | | | | | | | |
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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | Update to GEA2 Encryption applicability | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Bureau Veritas | | | | | | | | | |
| ***Source to TSG:*** | R5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI11\_Test | | | | |  | ***Date:*** | | | 2022-02-28 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | F |  | | | | | ***Release:*** | | | Rel-13 |
|  | *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) Rel-19 (Release 19)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | According to approved SP-210448, the GEA2 capability is changes and the corresponding RAN5 spec shall be aligned accordingly. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Update applicability table related to GEA2 feature that:   * Mandate support from Rel-16 to Rel-10; * Optional support from Rel-11 to Rel-13 with Note 3 (It is strongly discouraged to support GEA2 in mobile stations);   Update Table A.1b: MS Feature Release Supported for GPRS and EGPRS allowed value extend to Release 13 for UE declaration. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The PICS information will not aligned with core requirement. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | A.4.2, A.4.3 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **X** | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | |  | **X** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

## {Start of changes}

<Unchanged Sections Skipped>

# A.4 PICS proforma tables

An explicit answer shall be entered, in each of the support column boxes provided, using the notation described in subclause A.1.2.

<Unchanged Sections Skipped>

## A.4.2 Types of Mobile Stations

The supplier of the implementation shall state the support of the implementation for each of the questions concerning the types of a mobile station given in the table below.

<Unchanged Sections Skipped>

Table A.1b: MS Feature Release Supported

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Item | MS Feature Release Supported | | Reference | Release | Status | Support | | Mnemonic | Value | |
|  |  | |  |  |  |  | |  | Allowed | Supported |
| 1 | Release of GPRS supported | | 3GPP TS  02.60  3GPP TS 22.060 | R97 | C.1b01 |  | | TSPC\_MS\_GPRS\_RELEASE | R97, R98, R99, Release 4, Release 5,  Release 6,  Release 7,  Release 8,  Release 9,  Release 10,  Release 11,  Release 12,  Release 13 |  |
| 2 | Release of AMR supported | | 3GPP TS 05.09, 3.4  3GPP TS 45.009, 3.4 | R98 | C.1b02 |  | | TSPC\_MS\_AMR\_RELEASE | R98, R99, Release 4, Release 5,  Release 6,  Release 7,  Release 8,  Release 9,  Release 10,  Release 11 |  |
| 3 | Release of EGPRS supported | | 3GPP TS 02.60  3GPP TS 22.060 | R99 | C.1b03 |  | | TSPC\_MS\_EGPRS\_RELEASE | R99, Release 4, Release 5,  Release 6,  Release 7,  Release 8,  Release 9,  Release 10,  Release 11,  Release 12,  Release 13 |  |
| 4 | Release of RRLP supported | | 3GPP TS 44.031 | R98 | C.1b04 |  | | TSPC\_MS\_RRLP\_RELEASE | R98, R99, Release 4, Release 5,  Release 6,  Release 7,  Release 8,  Release 9,  Release 10,  Release 11 |  |
| 5 | Release of Higher Layer supported | | 3GPP TS 04.08,  3GPP TS 24.008 | R97 | M |  | | TSPC\_MS\_HIGHER\_LAYER\_RELEASE | R97, R98, R99, Release 4, Release 5,  Release 6,  Release 7,  Release 8,  Release 9,  Release 10,  Release 11 |  |
| 6 | Release of Acoustic implementation supported | | 3GPP TS 26.131, 3GPP TS 26.132 | R4 | C.1b05 |  | | TSPC\_MS\_AUDIO\_RELEASE | Release 4, Release 5,  Release 6,  Release 7,  Release 8,  Release 9,  Release 10,  Release 11 |  |
| C.1b01 | | IF A.2/41 THEN M ELSE N/A | | | | | -- TSPC\_GPRS | | | |
| C.1b02 | | IF A.25/79 THEN M ELSE N/A | | | | | -- TSPC\_AddInfo\_Full\_rate\_version\_3 | | | |
| C.1b03 | | IF A.2/42 THEN M ELSE N/A | | | | | -- TSPC\_EGPRS | | | |
| C.1b04 | | IF A.2/59 OR A.2/60 THEN M ELSE N/A | | | | | -- TSPC\_A-GPS\_Based OR TSPC\_A-GPS\_Assist | | | |
| C.1b05 | | IF A.25/57 THEN M ELSE N/A | | | | | -- TSPC\_AddInfo\_SpeechHandset | | | |

## A.4.3 Mobile Station Features

The supplier of the implementation shall state the support of the implementation for each of the questions concerning the mobile station features given in the table below.

Table A.2: Mobile Station Features

| Item | Mobile Station Feature | | Ref. | Release | Status | Support | Mnemonic |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | Display of Called Number. | | 3GPP TS 02.07 B.1.1 | Phase 2 | C.202 |  | TSPC\_Feat\_DCN |
| 2 | Indication of Call Progress Signals. | | 3GPP TS 02.07 B.1.2 | Phase 2 | C.204 |  | TSPC\_Feat\_CPSind |
|  | <Unchanged Sections Skipped> | |  |  |  |  |  |
| 74 | Support of Fine Time Assistance | | 3GPP TS 44.031 A.4.2.4 | Rel-4 | C.215 |  | TSPC\_Fine\_Time\_Assist |
| 75 | Support of Encryption GEA2 | | 3GPP TS 43.020 | Rel-6 to Rel-10 | M |  | TSPC\_Feat\_GEA2 |
|  |  | |  | Rel-11 to Rel-13 | O  Note 3 |  |  |
| 76 | Support of Encryption GEA3 | | 3GPP TS 43.020 | Rel-6 | M |  | TSPC\_Feat\_GEA3 |
| 77 | Use of R99 Emergency numbers | | 3GPP TS 22.101 8 | Phase2  up to R98 | O |  | TSPC\_R99\_Emerg |
|  | <Unchanged Sections Skipped> | |  |  |  |  |  |
| 134 | Support of IPA capability | | 3GPP TS 44.018 | Rel-11 | O |  | TSPC\_IMMEDIATE\_PACKET\_ASSIGNMENT |
| 135 | Support of Encryption GEA1 | | 3GPP TS 43.020 | R97 to Rel-10 | O  Note 1 |  | TSPC\_Feat\_GEA1 |
| Rel-11 | X |
| 136 | Support of Low Access Priority and Extended Access Barring | | 3GPP TS 24.008 1.8  TS 22.011 4.3.4 | Rel-10 | O |  | TSPC\_LAP\_EAB |
|  | <Unchanged Sections Skipped> | |  |  |  |  |  |
| C.219 | | IF A.2/91 THEN A ELSE IF A.2/125 THEN O ELSE N/A | | | -- TSPC\_eCallOnly\_Equipment OR TSPC\_eCallCapableMS | | |
| C.220 | | IF A.2/151 THEN M ELSE O | | | -- TSPC\_Feat\_Alphanum\_Display | | |
| Note 1: The removal of GEA1 in mobile stations has been agreed from Release 11 onwards.  Note 2: The support of handling NAS reject messages without Integrity protection is a mandatory feature from Rel-13 onwards and can be optionaly implemented since Rel-10.  Note 3: It is strongly discouraged to support GEA2 in mobile stations. | | | | | | | |

## {End of changes}