## 3.4 Applicability table

NOTE: It is possible that the applicability of some tests indicated in table B.1 does not match with the value in the Release column, due to late definition of the test sequences. Tests should be performed without considering the Release column, but only based on the conditions indicated for each release.

Table B.1: Applicability of tests

| Test | Test sequence | Description | from Rel. | up to Rel. (see note 1) | Applicability | Terminal Profile | Network Dependency | Support | Additional test case execution parameter |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 27.22.1 |  | **PROFILE DOWNLOAD** |  |  |  |  |  |  |  |
|  | 1 | **PROFILE DOWNLOAD** | R99 |  | M | E.1/1 | No |  |  |
| 27.22.2 |  | **Contents of the TERMINAL PROFILE command** |  |  |  |  |  |  |  |
|  |  | **Contents of the TERMINAL PROFILE command** | R99 |  | M | E.1/1 | No |  |  |
| 27.22.3 |  | **Servicing of Proactive UICC Commands** |  |  |  |  |  |  |  |
|  |  | **Servicing of Proactive UICC Commands** | R99 |  | M |  | No |  |  |
| 27.22.4.1 |  | **DISPLAY TEXT** |  |  |  |  |  |  |  |
|  | 1.1 | Unpacked | R99 |  | C177 | E.1/17 AND  E.1/110 | No |  |  |
|  | 1.2 | Screen busy | R99 |  | C177 | E.1/17 AND  E.1/110 | No |  |  |
|  | 1.3 | high priority | R99 |  | C177 | E.1/17 AND  E.1/110 | No |  |  |
|  | 1.4 | Packed | R99 |  | C177 | E.1/17 AND  E.1/110 | No |  |  |
|  | 1.5 | clear after delay | R99 |  | C177 | E.1/17 AND  E.1/110 | No |  |  |
|  | 1.6 | long text up to 160 bytes | R99 |  | C177 | E.1/17 AND  E.1/110 | No |  |  |
|  | 1.7 | Backwards move in USIM session | R99 |  | C177 AND  C178 | E.1/17 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 1.8 | Session terminated by user | R99 |  | C177 AND  C178 | E.1/17 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 1.9 | Command not understood by ME | R99 |  | C177 | E.1/17 AND  E.1/110 | No |  |  |
|  | 2.1 | no response from user | R99 |  | C120 AND  C177 AND  C178 | E.1/17 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 3.1 | Extension Text | R99 |  | C177 | E.1/17 AND  E.1/16 AND  E.1/110 | No |  |  |
|  | 4.1, 4.2 | sustained text | R99 |  | C177 | E.1/17 AND  E.1/65 AND  E.1/110 | No |  |  |
|  | 4.3 | sustained text | R99 |  | C177 AND  C178 | E.1/17 AND  E.1/65 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 4.4 | sustained text | R99 | Rel-7 | C177 AND  C180 | E.1/17 AND  E.1/65 AND  E.1/110 | USS or  SS only |  |  |
|  | Rel-8 |  | C177 AND  C180 AND  C183 | E.1/17 AND  E.1/65 AND  E.1/110 | USS or  SS only |  |  |
|  | 5.1, 5.3 | Icons – basic icon | R99 |  | C108 AND C177 | E.1/17 AND  E.1/110 | No |  |  |
|  | 5.2 | Icons – colour icon | R99 |  | C171 AND C177 | E.1/17 AND  E.1/110 | No |  |  |
|  | 6.1 | UCS2 display in Cyrillic | R99 |  | C118 AND C177 | E.1/17 AND  E.1/15 AND  E.1/110 | No |  |  |
|  | 7.1 | Variable Timeout | Rel-4 |  | C126 AND  C177 AND  C178 | E.1/17 AND  E.1/137 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 8.1 | Text attribute – left alignment | Rel-5 |  | C153 AND  C177 | E.1/17 AND  E.1/124 AND  E.1/217 AND  E.1/110 | No |  |  |
|  | 8.2 | Text attribute – center alignment | Rel-5 |  | C154 AND  C177 | E.1/17 AND  E.1/124 AND  E.1/218 AND  E.1/110 | No |  |  |
|  | 8.3 | Text attribute – right alignment | Rel-5 |  | C155 AND  C177 | E.1/17 AND  E.1/124 AND  E.1/219 AND  E.1/110 | No |  |  |
|  | 8.4 | Text attribute – large font size | Rel-5 |  | C157 AND  C156 AND  C177 | E.1/17 AND  E.1/124 AND  E.1/221 AND  E.1/220 AND  E.1/110 | No |  |  |
|  | 8.5 | Text attribute – small font size | Rel-5 |  | C158 AND  C156 AND  C177 | E.1/17 AND  E.1/124 AND  E.1/222 AND  E.1/220 AND  E.1/110 | No |  |  |
|  | 8.6 | Text attribute – bold on | Rel-5 |  | C160 AND  C159 AND  C177 | E.1/17 AND  E.1/124 AND  E.1/225 AND  E.1/226 AND  E.1/110 | No |  |  |
|  | 8.7 | Text attribute – italic on | Rel-5 |  | C161 AND  C159 AND  C177 | E.1/17 AND  E.1/124 AND  E.1/225 AND  E.1/227 AND E.1/110 | No |  |  |
|  | 8.8 | Text attribute – underlined on | Rel-5 |  | C162 AND  C159 AND  C177 | E.1/17 AND  E.1/124 AND  E.1/225 AND  E.1/228 AND E.1/110 | No |  |  |
|  | 8.9 | Text attribute – strikethrough on | Rel-5 |  | C163 AND  C159 AND  C177 | E.1/17 AND  E.1/124 AND  E.1/225 AND  E.1/229 AND  E.1/110 | No |  |  |
|  | 8.10 | Text attribute – foreground and background colours | Rel-5 |  | C164 AND  C165 AND  C177 | E.1/17 AND  E.1/124 AND  E.1/230 AND  E.1/231 AND  E.1/110 | No |  |  |
|  | 9.1 | UCS2 display in Chinese | R99 | Rel-4 |  | E.1/17 AND  E.1/15 AND  E.1/110 | No |  |  |
|  | Rel-5 |  | C143 AND  C177 | E.1/17 AND  E.1/15 AND  E.1/110 | No |  |  |
|  | 10.1 | UCS2 display in Katakana | R99 | Rel-4 |  | E.1/17 AND  E.1/15 AND  E.1/110 | No |  |  |
|  | Rel-5 |  | C145 AND  C177 | E.1/17 AND  E.1/15 AND  E.1/110 | No |  |  |
|  | TBD | Frames | Rel-6 |  |  | E.1/17 AND  E.1/177 AND  E.1/178 AND  E.1/110 | TBD |  |  |
| 27.22.4.2 |  | **GET INKEY** |  |  |  |  |  |  |  |
|  | 1.1 | prompt unpacked | R99 |  | C177 AND  C178 | E.1/18 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 1.2 | prompt packed | R99 |  | C177 AND  C178 | E.1/18 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 1.3 | Backwards move in UICC session | R99 |  | C177 AND  C178 | E.1/18 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 1.4 | Session terminated by user | R99 |  | C177 AND  C178 | E.1/18 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 1.5 | SMS alphabet | R99 |  | C177 AND  C178 | E.1/18 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 1.6 | Long text up to 160 bytes | R99 |  | C177 AND  C178 | E.1/18 AND E.1/110 AND  E.1/111 | No |  |  |
|  | 2.1 | no response from user | R99 |  | C120 AND  C177 AND  C178 | E.1/18 AND E.1/110 AND  E.1/111 | No |  |  |
|  | 3.1 | UCS2 display in Cyrillic | R99 |  | C118 AND  C177 AND  C178 | E.1/18 AND  E.1/15 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 3.2 | UCS2 display, Long text up to 70 chars in Cyrillic | R99 |  | C118 AND  C177 AND  C178 | E.1/18 AND  E.1/15 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 4.1 | UCS2 entry in Cyrillic | R99 |  | C105 AND  C177 AND  C178 | E.1/18 AND  E.1/14 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 5.1 | "Yes/No" response | R99 |  | C177 AND  C178 | E.1/18 AND  E.1/60 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 6.1, 6.2 | Icons – basic icon | R99 |  | C108 AND  C177 AND  C178 | E.1/18 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 6.3, 6.4 | Icons – colour icon | R99 |  | C171 AND  C177 AND  C178 | E.1/18 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 7.1 | Help information | R99 |  | C107 AND  C177 AND  C178 | E.1/18 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 8.1 | Variable Timeout | Rel-4 |  | C126 AND  C177 AND  C178 | E.1/18 AND  E.1/140 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 9.1 | Text attribute – left alignment | Rel-5 |  | C153 AND  C177 AND  C178 | E.1/18 AND  E.1/124 AND  E.1/217 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 9.2 | Text attribute – center alignment | Rel-5 |  | C154 AND  C177 AND  C178 | E.1/18 AND  E.1/124 AND  E.1/218 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 9.3 | Text attribute – right alignment | Rel-5 |  | C155 AND  C177 AND  C178 | E.1/18 AND  E.1/124 AND  E.1/219 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 9.4 | Text attribute – large font size | Rel-5 |  | C157 AND  C156 AND  C177 AND  C178 | E.1/18 AND  E.1/124 AND  E.1/221 AND  E.1/220 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 9.5 | Text attribute – small font size | Rel-5 |  | C158 AND  C156 AND  C177 AND  C178 | E.1/18 AND  E.1/124 AND  E.1/222 AND  E.1/220 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 9.6 | Text attribute – bold on | Rel-5 |  | C160 AND  C159 AND  C177 AND  C178 | E.1/18 AND  E.1/124 E.1/221 AND  E.1/220 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 9.7 | Text attribute – italic on | Rel-5 |  | C161 AND  C159 AND  C177 AND  C178 | E.1/18 AND  E.1/124 E.1/225 AND  E.1/227 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 9.8 | Text attribute – underlined on | Rel-5 |  | C162 AND  C159 AND  C177 AND  C178 | E.1/18 AND  E.1/124 E.1/225 AND  E.1/228 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 9.9 | Text attribute – strikethough on | Rel-5 |  | C163 AND  C159 AND  C177 AND  C178 | E.1/18 AND  E.1/124 E.1/225 AND  E.1/229 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 9.10 | Text attribute – foreground and background colours | Rel-5 |  | C164 AND  C165 AND  C177 AND  C178 | E.1/18 AND  E.1/124 AND  E.1/230 AND  E.1/231 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 10.1 | UCS2 display in Chinese | R99 | Rel-4 |  | E.1/18 AND  E.1/15 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | Rel-5 |  | C143 AND  C177 AND  C178 | E.1/18 AND  E.1/15 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 10.2 | UCS2 display in Chinese, Long text up to 70 chars | R99 | Rel-4 |  | E.1/18 AND  E.1/15 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | Rel-5 |  | C143 AND  C177 AND  C178 | E.1/18 AND  E.1/15 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 11.1 | UCS2 entry in Chinese | R99 | Rel-4 |  | E.1/18 AND  E.1/14 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | Rel-5 |  | C142 AND  C177 AND  C178 | E.1/18 AND  E.1/14 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 12.1 | UCS2 display in Katakana | R99 | Rel-4 |  | E.1/18 AND  E.1/15 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | Rel-5 |  | C145 AND  C177 AND  C178 | E.1/18 AND  E.1/15 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 12.2 | UCS2 display in Katakana, Long text up to 70 chars | R99 | Rel-4 |  | E.1/18 AND  E.1/15 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | Rel-5 |  | C145 AND  C177 AND  C178 | E.1/18 AND  E.1/15 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 13.1 | UCS2 entry in Katakana | R99 | Rel-4 |  | E.1/18 AND  E.1/14 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | Rel-5 |  | C144 AND  C177 AND  C178 | E.1/18 AND  E.1/14 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | TBD | Frames | Rel-6 |  |  | E.1/18 AND  E.1/177 AND  E.1/178 AND  E.1/110 AND  E.1/111 | TBD |  |  |
| 27.22.4.3 |  | **GET INPUT** |  |  |  |  |  |  |  |
|  | 1.1 | input unpacked | R99 |  | C177 AND  C178 | E.1/19 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 1.2 | input packed | R99 |  | C177 AND  C178 | E.1/19 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 1.1 | digits only | R99 |  | C177 AND  C178 | E.1/19 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 1.3 | SMS alphabet | R99 |  | C177 AND  C178 | E.1/19 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 1.4 | hidden input | R99 |  | C177 AND  C178 | E.1/19 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 1.5 | min / max acceptable length | R99 |  | C177 AND  C178 | E.1/19 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 1.6 | Backwards move in UICC session | R99 |  | C177 AND  C178 | E.1/19 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 1.7 | Session terminated by user | R99 |  | C177 AND  C178 | E.1/19 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 1.8 | Prompt text up to 160 bytes | R99 |  | C177 AND  C178 | E.1/19 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 1.9 | SMS default alphabet, ME to echo text, packing not required | R99 |  | C177 AND  C178 | E.1/19 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 1.10 | Null length for the text string | R99 |  | C177 AND  C178 | E.1/19 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 2.1 | no response from user | R99 |  | C120 AND  C177 AND  C178 | E.1/19 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 3.1, 3.2 | UCS2 display in Cyrillic | R99 |  | C118 AND  C177 AND  C178 | E.1/19 AND  E.1/15 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 4.1, 4.2 | UCS2 entry in Cyrillic | R99 |  | C105 AND  C177 AND  C178 | E.1/19 AND  E.1/14 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 5.1, 5.2 | default text for the input | R99 |  | C177 AND  C178 | E.1/19 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 6.1, 6.2 | Icons – basic icon | R99 |  | C108 AND  C177 AND  C178 | E.1/19 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 6.3, 6.4 | Icons – colour icon | R99 |  | C171 AND  C177 AND  C178 | E.1/19 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 7.1 | help information | R99 |  | C107 AND  C177 AND  C178 | E.1/19 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 8.1 | Text attribute– left alignment | Rel-5 |  |  | E.1/19 AND  E.1/124 AND  E.1/217 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 8.2 | Text attribute – center alignment | Rel-5 |  |  | E.1/19 AND  E.1/124 AND  E.1/218 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 8.3 | Text attribute – right alignment | Rel-5 |  |  | E.1/19 AND  E.1/124 AND  E.1/219 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 8.4 | Text attribute – large font size | Rel-5 |  |  | E.1/19 AND  E.1/124 AND  E.1/221 AND  E.1/220 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 8.5 | Text attribute – small font size | Rel-5 |  |  | E.1/19 AND  E.1/124 AND  E.1/222 AND  E.1/220 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 8.6 | Text attribute – bold on | Rel-5 |  |  | E.1/19 AND  E.1/124 AND  E.1/225 AND  E.1/226 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 8.7 | Text attribute – italic on | Rel-5 |  |  | E.1/19 AND  E.1/124 AND  E.1/225 AND  E.1/227 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 8.8 | Text attribute – underlined on | Rel-5 |  |  | E.1/19 AND  E.1/124 AND  E.1/225 AND  E.1/228 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 8.9 | Text attribute – strikethrough on | Rel-5 |  |  | E.1/19 AND  E.1/124 AND  E.1/225 AND  E.1/229 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 8.10 | Text attribute – foreground and background colours | Rel-5 |  |  | E.1/19 AND  E.1/124 AND  E.1/230 AND  E.1/231 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 9.1, 9.2 | UCS2 display in Chinese | R99 | Rel-4 |  | E.1/19 AND  E.1/15 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | Rel-5 |  | C143 AND  C177 AND  C178 | E.1/19 AND  E.1/15 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 10.1, 10.2 | UCS2 entry in Chinese | R99 | Rel-4 |  | E.1/19 AND  E.1/14 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | Rel-5 |  | C142 AND  C177 AND  C178 | E.1/19 AND  E.1/14 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 11.1, 11.2 | UCS2 display in Katakana | R99 | Rel-4 |  | E.1/19 AND  E.1/15 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | Rel-5 |  | C145 AND  C177 AND  C178 | E.1/19 AND  E.1/15 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 12.1, 12.2 | UCS2 entry in Katakana | R99 | Rel-4 |  | E.1/19 AND  E.1/14 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | Rel-5 |  | C144 AND  C177 AND  C178 | E.1/19 AND  E.1/14 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | TBD | Frames | Rel-6 |  |  | E.1/19 AND  E.1/177 AND  E.1/178 AND  E.1/110 AND  E.1/111 | TBD |  |  |
| 27.22.4.4 |  | **MORE TIME** |  |  |  |  |  |  |  |
|  | 1.1 | **MORE TIME** | R99 |  | M | E.1/20 | No |  |  |
| 27.22.4.5 |  | **PLAY TONE** |  |  |  |  |  |  |  |
|  | 1.1 | play all tones, display alpha, user termination, superimpose | R99 | Rel-7 | C178 AND  C179 AND  C180 | E.1/21 AND  E.1/110 AND  E.1/111 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C178 AND  C179 AND  C180 AND  C183 | E.1/21 AND  E.1/110 AND  E.1/111 | USS or  SS only |  | TCEP001 |
|  | 2.1 | UCS2 display in Cyrillic | R99 |  | C118 AND  C179 | E.1/21 AND  E.1/15 AND  E.1/110 | No |  | TCEP001 |
|  | 3.1, 3.2 | Icons – basic icon | R99 |  | C108 AND  C179 | E.1/21 AND  E.1/110 | No |  | TCEP001 |
|  | 3.3, 3.4 | Icons – colour icon | R99 |  | C171 AND  C179 | E.1/21 AND  E.1/110 | No |  | TCEP001 |
|  | 4.1 | Text attribute – left alignment | Rel-5 |  |  | E.1/21 AND  E.1/124 AND  E.1/217 AND  E.1/110 | No |  | TCEP001 |
|  | 4.2 | Text attribute – center alignment | Rel-5 |  |  | E.1/21 AND  E.1/124 AND  E.1/218 AND  E.1/110 | No |  | TCEP001 |
|  | 4.3 | Text attribute – right alignment | Rel-5 |  |  | E.1/21 AND  E.1/124 AND  E.1/219 AND  E.1/110 | No |  | TCEP001 |
|  | 4.4 | Text attribute – large font size | Rel-5 |  |  | E.1/21 AND  E.1/124 AND  E.1/221 AND  E.1/220 AND  E.1/110 | No |  | TCEP001 |
|  | 4.5 | Text attribute – small font size | Rel-5 |  |  | E.1/21 AND  E.1/124 AND  E.1/222 AND  E.1/220 AND  E.1/110 | No |  | TCEP001 |
|  | 4.6 | Text attribute – bold on | Rel-5 |  |  | E.1/21 AND  E.1/124 AND  E.1/225 AND  E.1/226 AND  E.1/110 | No |  | TCEP001 |
|  | 4.7 | Text attribute – italic on | Rel-5 |  |  | E.1/21 AND  E.1/124 AND  E.1/225 AND  E.1/227 AND  E.1/110 | No |  | TCEP001 |
|  | 4.8 | Text attribute – underlined on | Rel-5 |  |  | E.1/21 AND  E.1/124 AND  E.1/225 AND  E.1/228 AND  E.1/110 | No |  | TCEP001 |
|  | 4.9 | Text attribute – strikethrough on | Rel-5 |  |  | E.1/21 AND  E.1/124 AND  E.1/225 AND  E.1/229 AND  E.1/110 | No |  | TCEP001 |
|  | 4.10 | Text attribute– foreground and background colours | Rel-5 |  |  | E.1/21 AND  E.1/124 AND  E.1/230 AND  E.1/231 AND  E.1/110 | No |  | TCEP001 |
|  | 5.1 | UCS2 display in Chinese | R99 | Rel-4 |  | E.1/21 AND  E.1/15 AND  E.1/110 | No |  | TCEP001 |
|  | Rel-5 |  |  | E.1/21 AND  E.1/15 AND  E.1/110 | No |  | TCEP001 |
|  | 6.1 | UCS2 display in Katakana | R99 | Rel-4 |  | E.1/21 AND  E.1/15 AND  E.1/110 | No |  | TCEP001 |
|  | Rel-5 |  |  | E.1/21 AND  E.1/15 AND  E.1/110 | No |  | TCEP001 |
|  | TBD | Frames | Rel-6 |  |  | E.1/21 AND  E.1/177 AND  E.1/178 AND  E.1/110 | TBD |  |  |
|  | TBD | Themed and Melody tones | Rel-6 |  |  | E.1/21 AND  E.1/171 AND  E.1/110 | TBD |  |  |
| 27.22.4.6 |  | **POLL INTERVAL** |  |  |  |  |  |  |  |
|  | 1.1 | duration | R99 |  | M | E.1/22 | No |  |  |
| 27.22.4.7 |  | **REFRESH** |  |  |  |  |  |  |  |
|  | 1.1 | USIM initialization, enabling FDN mode | R99 | Rel-7 | C146 AND  C177 AND  C178 AND  C180 | E.1/24 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | Rel-8 |  | C146 AND  C177 AND  C178 AND  C180 AND  C183 | E.1/24 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | 1.2 | file change notification of FDN file | R99 | Rel-7 | C146 AND  C177 AND  C178 AND  C180 | E.1/24 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | Rel-8 |  | C146 AND  C177 AND  C178 AND  C180 AND  C183 | E.1/24 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | 1.3 | USIM initialization and file change notification of ADN | R99 | Rel-5 | C168 AND  C177 AND  C178 | E.1/24 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | Rel-6 |  | C177 AND  C178 | E.1/24 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 1.4 | USIM initialization and full file change notification, enabling FDN mode | R99 | Rel-7 | C146 AND  C177 AND  C178 AND  C180 | E.1/24 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | Rel-8 |  | C146 AND  C177 AND  C178 AND  C180 AND  C183 | E.1/24 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | 1.5 | UICC reset | R99 |  |  | E.1/24 | No |  |  |
|  | 1.6 | USIM Initialization after SMS-PP data download | R99 | Rel-7 | C146 AND  C177 AND  C178 AND  C180 | E.1/24 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | Rel-8 |  | C146 AND  C177 AND  C178 AND  C180 AND  C183 | E.1/24 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | 1.7 | USIM Application Reset | R99 | Rel-5 |  | E.1/24 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | Rel-6 | Rel-7 | C146 AND  C177 AND  C178 AND  C180 | E.1/24 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | Rel-8 |  | C146 AND  C177 AND  C178 AND  C180 AND  C183 | E.1/24 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | 2.1 | UICC Reset for IMSI Changing procedure | R99 | Rel-7 |  | E.1/24 | USS or  SS only |  |  |
|  | Rel-8 |  | M | E.1/24 | USS or  SS only |  |  |
|  | 2.2 | USIM Application Reset for IMSI Changing procedure | R99 | Rel-5 |  | E.1/24 | Yes |  |  |
|  | Rel-6 |  | M | E.1/24 | Yes |  |  |
|  | 2.3 | 3G Session Reset for IMSI Changing procedure | R99 | Rel-7 |  | E.1/24 | USS or  SS only |  |  |
|  | Rel-8 |  | M | E.1/24 | USS or  SS only |  |  |
|  | 2.4 | reject 3G Session Reset for IMSI Changing procedure during CScall | R99 | Rel-5 |  | E.1/24 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | Rel-6 | Rel-7 | C177 AND  C178 AND  C180 | E.1/24 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | Rel-8 |  | C177 AND  C178 AND  C180 AND  C183 | E.1/24 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | 2.5 | reject UICC Reset for IMSI Changing procedure during CS call | R99 | Rel-7 |  | E.1/24 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | Rel-8 |  | C177 AND  C178 AND  C180 AND  C183 | E.1/24 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | 2.6 | UICC Reset for IMSI Changing procedure during active PDP context | R99 | Rel-7 |  | E.1/24 | USS or  SS only |  |  |
|  | Rel-8 |  | C215 | E.1/24 | USS or  SS only |  |  |
|  | 2.7 | 3G Session Reset for IMSI Change procedure during active PDP context | R99 | Rel-7 |  | E.1/24 | USS or  SS only |  |  |
|  | Rel-8 |  | C215 | E.1/24 | USS or  SS only |  |  |
|  | 3.1 | Steering of roaming, UTRAN | Rel-7 | Rel-7 | M | E.1/24 AND  E.1/236 | USS only |  |  |
|  | Rel-8 |  | C184 | E.1/24 AND  E.1/236 | USS only |  |  |
|  | 3.2 | Steering of roaming, InterRAT | Rel-7 | Rel-7 | C167 | E.1/24 AND  E.1/236 | USS and  SS |  |  |
|  | Rel-8 |  | C167 AND  C184 | E.1/24 AND  E.1/236 | USS and  SS |  |  |
|  | 3.3 | Steering of roaming, E-UTRAN | Rel-8 | Rel-12 | C190 | E.1/24 AND  E.1/135 AND  E.1/236 | E-USS or  NB-SS  (See NOTE) |  |  |
|  | Rel-13 |  | C222 | E.1/24 AND  E.1/135 AND  E.1/236 | E-USS or  NB-SS  (See NOTE) |  |  |
|  | 3.4 | Steering of roaming, NG-RAN | Rel-16 |  | C231 | E.1/24 AND  E.1/236 | NG-SS only |  |  |
|  | 4.1 | Refresh with AID, E-UTRAN or UTRAN | Rel-7 | Rel-7 | C203 | E.1/24 | E-USS only or  USS |  |  |
|  | Rel-8 |  | C202 OR  C203 | E.1/24 | E-USS only or  USS |  |  |
|  | 5.1 | UICC Reset for IMSI Changing procedure, E-UTRAN | Rel-8 |  | C190 | E.1/24 | E-USS or  NB-SS  (See NOTE) |  |  |
|  | 5.2 | 3G Session Reset for IMSI Changing procedure, E-UTRAN | Rel-8 |  | C190 | E.1/24 | E-USS or  NB-SS  (See NOTE) |  |  |
|  | 6.1 | REFRESH, UICC Reset for IMSI Changing procedure, NG-RAN | Rel-16 |  | C231 | E.1/24 OR  (E.1/24 AND  E.1/256) | NG-SS only |  |  |
|  | 6.2 | REFRESH, 3G Session Reset for IMSI Changing procedure, NG-RAN | Rel-16 |  | C231 | E.1/24 OR  (E.1/24 AND  E.1/256) | NG-SS only |  |  |
|  | 7.1 | REFRESH, UICC Reset for SUPI\_NAI Changing procedure, NG-RAN | Rel-16 |  | C231 AND  C233 | E.1/24 | NG-SS only |  |  |
|  | 7.2 | REFRESH, 3G Session Reset for SUPI\_NAI Changing procedure, NG-RAN | Rel-16 |  | C231 AND  C233 | E.1/24 | NG-SS only |  |  |
| 27.22.4.8 |  | **SET UP MENU** |  |  |  |  |  |  |  |
|  | 1.1 | Set up, menu selection, replace and remove menu | R99 |  | C177 AND  C178 | E.1/30 AND  E.1/4 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 1.2 | Large menu | R99 |  | C177 AND  C178 | E.1/30 AND  E.1/4 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 2.1 | help information | R99 |  | C107 AND  C177 AND  C178 | E.1/30 AND  E.1/4 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 3.1 | next action indicator | R99 |  | C177 AND  C178 | E.1/30 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 4.1, 4.2 | Icons | R99 |  | C172 AND  C177 AND  C178 | E.1/30 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 5.1 | soft key access | R99 |  | C112 AND  C177 AND  C178 | E.1/30 AND  E.1/74 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 6.1 | Text attribute – left alignment | Rel-5 |  | C153 AND  C177 AND  C178 | E.1/30 AND  E.1/124 AND  E.1/217 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 6.2 | Text attribute – center alignment | Rel-5 |  | C154 AND  C177 AND  C178 | E.1/30 AND  E.1/124 AND  E.1/218 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 6.3 | Text attribute – right alignment | Rel-5 |  | C155 AND  C177 AND  C178 | E.1/30 AND  E.1/124 AND  E.1/219 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 6.4 | Text attribute – large font size | Rel-5 |  | C157 AND  C156 AND  C177 AND  C178 | E.1/30 AND  E.1/124 AND  E.1/221 AND  E.1/220 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 6.5 | Text attribute – small font size | Rel-5 |  | C158 AND  C156 AND  C177 AND  C178 | E.1/30 AND  E.1/124 AND  E.1/222 AND  E.1/220 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 6.6 | Text attribute – bold on | Rel-5 |  | C160 AND  C159 AND  C177 AND  C178 | E.1/30 AND  E.1/124 AND  E.1/225 AND  E.1/226 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 6.7 | Text attribute – italic on | Rel-5 |  | C161 AND  C159 AND  C177 AND  C178 | E.1/30 AND  E.1/124 AND  E.1/225 AND  E.1/227 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 6.8 | Text attribute – underlined on | Rel-5 |  | C162 AND  C159 AND  C177 AND  C178 | E.1/30 AND  E.1/124 AND  E.1/225 AND  E.1/228 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 6.9 | Text attribute – strikethrough on | Rel-5 |  | C163 AND  C159 AND  C177 AND  C178 | E.1/30 AND  E.1/124 AND  E.1/225 AND  E.1/229 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 6.10 | Text attribute – foreground and background colours | Rel-5 |  | C164 AND  C165 AND  C177 AND  C178 | E.1/30 AND  E.1/124 AND  E.1/230 AND  E.1/231 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 7.1 | UCS2 display in Cyrillic | R99 | Rel-4 |  | E.1/39 AND  E.1/15 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | Rel-5 |  | C118 AND  C177 AND  C178 | E.1/39 AND  E.1/15 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 8.1 | UCS2 display in Chinese | R99 | Rel-4 |  | E.1/39 AND  E.1/15 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | Rel-5 |  | C143 AND  C177 AND  C178 | E.1/39 AND  E.1/15 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 9.1 | UCS2 display in Katakana | R99 | Rel-4 |  | E.1/39 AND  E.1/15 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | Rel-5 |  | C145 AND  C177 AND  C178 | E.1/39 AND  E.1/15 AND  E.1/110 AND  E.1/111 | No |  |  |
| 27.22.4.9 |  | **SELECT ITEM** |  |  |  |  |  |  |  |
|  | 1.1 | Mandatory features | R99 |  | C177 AND  C178 | E.1/25 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 1.2, 1.3, 1.5,1.6 | Large menu | R99 |  | C177 AND  C178 | E.1/25 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 1.4 | Backwards move | R99 |  | C177 AND  C178 | E.1/25 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 1.5 | user termination | R99 |  | C177 AND  C178 | E.1/25 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 2.1 | next action indicator | R99 |  | C177 AND  C178 | E.1/25 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 3.1 | default selected item | R99 |  | C177 AND  C178 AND  C194 | E.1/25 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 4.1 | help information | R99 |  | C107 AND  C177 AND  C178 | E.1/25 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 5.1, 5.2 | Icons | R99 |  | C172 AND  C177 AND  C178 | E.1/25 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 6.1, 6.2 | Presentation style | R99 |  | C177 AND  C178 | E.1/25 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 7.1 | Soft keys | R99 |  | C112 AND  C177 AND  C178 | E.1/25 AND  E.1/73 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 8.1 | No Response from user | R99 |  | C120 AND  C177 AND  C178 | E.1/25 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 9.1 | Text attribute – left alignment | Rel-5 |  | C153 AND  C177 AND  C178 | E.1/25 AND  E.1/124 AND  E.1/217 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 9.2 | Text attribute – center alignment | Rel-5 |  | C154 AND  C177 AND  C178 | E.1/25 AND  E.1/124 AND  E.1/218 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 9.3 | Text attribute – right alignment | Rel-5 |  | C155 AND  C177 AND  C178 | E.1/25 AND  E.1/124 AND  E.1/219 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 9.4 | Text attribute – large font size | Rel-5 |  | C157 AND  C156 AND  C177 AND  C178 | E.1/25 AND  E.1/124 AND  E.1/221 AND  E.1/220 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 9.5 | Text attribute – small font size | Rel-5 |  | C158 AND  C156 AND  C177 AND  C178 | E.1/25 AND  E.1/124 AND  E.1/222 AND  E.1/220 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 9.6 | Text attribute – bold on | Rel-5 |  | C160 AND  C159 AND  C177 AND  C178 | E.1/25 AND  E.1/124 AND  E.1/225 AND  E.1/226 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 9.7 | Text attribute – italic on | Rel-5 |  | C161 AND  C159 AND  C177 AND  C178 | E.1/25 AND  E.1/124 AND  E.1/225 AND  E.1/227 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 9.8 | Text attribute – underline on | Rel-5 |  | C162 AND  C159 AND  C177 AND  C178 | E.1/25 AND  E.1/124 AND  E.1/225 AND  E.1/228 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 9.9 | Text attribute – strikethrough on | Rel-5 |  | C163 AND  C159 AND  C177 AND  C178 | E.1/25 AND  E.1/124 AND  E.1/225 AND  E.1/229 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 9.10 | Text attribute – foreground and background colours | Rel-5 |  | C164 AND  C165 AND  C177 AND  C178 | E.1/25 AND  E.1/124 AND  E.1/230 AND  E.1/231 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 10.1, 10.2, 10.3 | UCS2 display in Cyrillic | R99 | Rel-4 |  | E.1/39 AND  E.1/15 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | Rel-5 |  | C118 AND  C177 AND  C178 | E.1/39 AND  E.1/15 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 11.1 | UCS2 display in Chinese | R99 | Rel-4 |  | E.1/25 AND  E.1/15 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | Rel-5 |  | C143 AND  C177 AND  C178 | E.1/25 AND  E.1/15 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | 12.1, 12.2, 12.3 | UCS2 display in Katakana | R99 | Rel-4 |  | E.1/25 AND  E.1/15 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | Rel-5 |  | C145 AND  C177 AND  C178 | E.1/25 AND  E.1/15 AND  E.1/110 AND  E.1/111 | No |  |  |
|  | TBD | Frames | Rel-6 |  |  | E.1/25 AND  E.1/177 AND  E.1/178 AND  E.1/110 AND  E.1/111 | TBD |  |  |
| 27.22.4.10 |  | **SEND SMS** |  |  |  |  |  |  |  |
|  | 1.1 - 1.8 | Void | R99 |  |  |  |  |  |  |
|  | 1.9 | Send Short Message over CS/PS, UTRAN/GERAN | R99 | Rel-7 | C209 | E.1/26 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C210 | E.1/26 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 2.1 | UCS2 SMS in Cyrillic | R99 | Rel-6 | C118 | E.1/26 AND  E.1/15 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-7 |  | NA | E.1/26 AND  E.1/15 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 3.1, 3.2 | Icons – basic icon | R99 | Rel-6 | C108 | E.1/26 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-7 |  | NA | E.1/26 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 4.1 | Text attribute– left alignment | Rel-5 | Rel-6 | C153 | E.1/26 AND  E.1/124 AND  E.1/217 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-7 |  | NA | E.1/26 AND  E.1/124 AND  E.1/217 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 4.2 | Text attribute – center alignment | Rel-5 | Rel-6 | C154 | E.1/26 AND  E.1/124 AND  E.1/218 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-7 |  | NA | E.1/26 AND  E.1/124 AND  E.1/218 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 4.3 | Text attribute – right alignment | Rel-5 | Rel-6 | C155 | E.1/26 AND  E.1/124 AND  E.1/219 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-7 |  | NA | E.1/26 AND  E.1/124 AND  E.1/219 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 4.4 | Text attribute – large font size | Rel-5 | Rel-6 | C157 AND  C156 | E.1/26 AND  E.1/124 AND  E.1/221 AND  E.1/220 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-7 |  | NA | E.1/26 AND  E.1/124 AND  E.1/221 AND  E.1/220 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 4.5 | Text attribute – small font size | Rel-5 |  | C158 AND  C156 | E.1/26 AND  E.1/124 AND  E.1/222 AND  E.1/220 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-5 | Rel-6 | NA | E.1/26 AND  E.1/124 AND  E.1/222 AND  E.1/220 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 4.6 | Text attribute – bold on | Rel-7 |  | C160 AND  C159 | E.1/26 AND  E.1/124 AND  E.1/225 AND  E.1/226 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-5 |  | NA | E.1/26 AND  E.1/124 AND  E.1/225 AND  E.1/227 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 4.8 | Text attribute – underline on | Rel-5 | Rel-6 | C162 AND  C159 | E.1/26 AND  E.1/124 AND  E.1/225 AND  E.1/228 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-7 |  | NA | E.1/26 AND  E.1/124 AND  E.1/225 AND  E.1/228 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 4.9 | Text attribute– strikethrough on | Rel-5 | Rel-6 | C163 AND  C159 | E.1/26 AND  E.1/124 AND  E.1/225 AND  E.1/229 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-7 |  | NA | E.1/26 AND  E.1/124 AND  E.1/225 AND  E.1/229 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 4.10 | Text attribute – foreground and background colours | Rel-5 | Rel-6 | C164 AND  C165 | E.1/26 AND  E.1/124 AND  E.1/230 AND  E.1/231 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-7 |  | NA | E.1/26 AND  E.1/124 AND  E.1/230 AND  E.1/231 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 5.1 | UCS2 display in Chinese | R99 | Rel-4 |  | E.1/26 AND  E.1/15 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-5 | Rel-6 | C143 | E.1/26 AND  E.1/15 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-7 |  | NA | E.1/26 AND  E.1/15 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 6.1 | UCS2 display in Katakana | R99 | Rel-4 |  | E.1/26 AND  E.1/15 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-5 | Rel-6 | C145 | E.1/26 AND  E.1/15 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-7 |  | NA | E.1/26 AND  E.1/15 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 7.1 | SMS-over-IP, E-UTRAN | Rel-8 |  | C196 | E.1/26 AND  E.1/110 | E-USS only |  | TCEP001 |
|  | 7.2 | SMS-over-IP, UTRAN | Rel-7 |  | C197 | E.1/26 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 8.1 | Send Short Message over SGs, E-UTRAN | Rel-8 | Rel-12 | C206 | E.1/26 AND  E.1/110 | E-USS or  NB-SS  (See NOTE) |  | TCEP001 |
|  | Rel-13 |  | C220 | E.1/26 AND  E.1/110 | E-USS or  NB-SS  (See NOTE) |  | TCEP001 |
|  | TBD | Frames | Rel-6 |  |  | E.1/26 AND  E.1/177 AND  E.1/178 AND  E.1/110 | TBD |  | TCEP001 |
| 27.22.4.11 |  | **SEND SS** |  |  |  |  |  |  |  |
|  | 1.1 | call forward unconditional, all bearers, successful | R99 | Rel-7 | C166 AND  C174 AND  C204 | E.1/27 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C166 AND  C174 AND  C183 AND  C204 | E.1/27 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 1.2 | call forward unconditional, all bearers, Return Error | R99 | Rel-8 | C174 AND  C204 | E.1/27 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C174 AND  C183 AND  C204 | E.1/27 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 1.3 | call forward unconditional, all bearers, Reject | R99 | Rel-7 | C174 AND  C204 | E.1/27 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C174 AND  C183 AND  C204 | E.1/27 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 1.4 | call forward unconditional, all bearers, successful, SS request size limit | R99 | Rel-7 | C166 AND  C174 AND  C204 | E.1/27 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C166 AND  C174 AND  C183 AND  C204 | E.1/27 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 1.5 | interrogate CLIR status, successful, alpha identifier limits | R99 | Rel-7 | C175 AND  C204 | E.1/27 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C175 AND  C183 AND  C204 | E.1/27 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 1.6 | call forward unconditional, all bearers, successful, null data alpha identifier | R99 | Rel-7 | C166 AND  C174 AND  C204 | E.1/27 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C166 AND  C174 AND  C183 AND  C204 | E.1/27 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 2.1, 2.3 | call forward unconditional, all bearers, successful, basic icon support | R99 | Rel-7 | C108 AND  C174 AND  C204 | E.1/27 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C108 AND  C174 AND  C183 AND  C204 | E.1/27 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 2.2 | call forward unconditional, all bearers, successful, colour icon support | R99 | Rel-7 | C171 AND  C174 AND  C204 | E.1/27 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C171 AND  C174 AND  C183 AND  C204 | E.1/27 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 2.4 | call forward unconditional, all bearers, successful, basic icon non self-explanatory, no alpha identifier presented | R99 | Rel-7 | C185 AND  C174 AND  C204 | E.1/27 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C185 AND  C174 AND  C183 AND  C204 | E.1/27 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 3.1 | UCS2 display in Cyrillic | R99 | Rel-7 | C118 AND  C174 AND  C204 | E.1/27 AND  E.1/15 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C118 AND  C174 AND  C183 AND  C204 | E.1/27 AND  E.1/15 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 4.1 | Text attribute – left alignment | Rel-5 | Rel-7 | C153 AND  C166 AND  C174 AND  C204 | E.1/27 AND  E.1/124 AND  E.1/217 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C153 AND  C166 AND  C174 AND  C183 AND  C204 | E.1/27 AND  E.1/124 AND  E.1/217 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 4.2 | Text attribute – center alignment | Rel-5 | Rel-7 | C154 AND  C166 AND  C174 AND  C204 | E.1/27 AND  E.1/124 AND  E.1/218 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C154 AND  C166 AND  C174 AND  C183 AND  C204 | E.1/27 AND  E.1/124 AND  E.1/218 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 4.3 | Text attribute – right alignment | Rel-5 | Rel-7 | C155 AND  C166 AND  C174 AND  C204 | E.1/27 AND  E.1/124 AND  E.1/219 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C155 AND  C166 AND  C174 AND  C183 AND  C204 | E.1/27 AND  E.1/124 AND  E.1/219 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 4.4 | Text attribute – large font size | Rel-5 | Rel-7 | C157 AND  C156 AND  C166 AND  C174 AND  C204 | E.1/27 AND  E.1/124 AND  E.1/221 AND  E.1/220 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C157 AND  C156 AND  C166 AND  C174 AND  C183 AND  C204 | E.1/27 AND  E.1/124 AND  E.1/221 AND  E.1/220 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 4.5 | Text attribute – small font size | Rel-5 | Rel-7 | C158 AND  C156 AND  C166 AND  C174 AND  C204 | E.1/27 AND  E.1/124 AND  E.1/222 AND  E.1/220 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C158 AND  C156 AND  C166 AND  C174 AND  C183 AND  C204 | E.1/27 AND  E.1/124 AND  E.1/222 AND  E.1/220 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 4.6 | Text attribute – bold on | Rel-5 | Rel-7 | C160 AND  C159 AND  C166 AND  C174 AND  C204 | E.1/27 AND  E.1/124 AND  E.1/225 AND  E.1/226 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C160 AND  C159 AND  C166 AND  C174 AND  C183 AND  C204 | E.1/27 AND  E.1/124 AND  E.1/225 AND  E.1/226 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 4.7 | Text attribute – italic on | Rel-5 | Rel-7 | C161 AND  C159 AND  C166 AND  C174 AND  C204 | E.1/27 AND  E.1/124 AND  E.1/225 AND  E.1/227 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C161 AND  C159 AND  C166 AND  C174 AND  C183 AND  C204 | E.1/27 AND  E.1/124 AND  E.1/225 AND  E.1/227 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 4.8 | Text attribute – underline on | Rel-5 | Rel-7 | C162 AND  C159 AND  C166 AND  C174 AND  C204 | E.1/27 AND  E.1/124 AND  E.1/225 AND  E.1/228 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C162 AND  C159 AND  C166 AND  C174 AND  C183 AND  C204 | E.1/27 AND  E.1/124 AND  E.1/225 AND  E.1/228 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 4.9 | Text attribute – strikethrough on | Rel-5 | Rel-7 | C163 AND  C159 AND  C166 AND  C174 AND  C204 | E.1/27 AND  E.1/124 AND  E.1/225 AND  E.1/229 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C163 AND  C159 AND  C166 AND  C174 AND  C183 AND  C204 | E.1/27 AND  E.1/124 AND  E.1/225 AND  E.1/229 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 4.10 | Text attribute – foreground and background colours | Rel-5 | Rel-7 | C164 AND  C165 AND  C166 AND  C174 AND  C204 | E.1/27 AND  E.1/124 AND  E.1/230 AND  E.1/231 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C164 AND  C165 AND  C166 AND  C174 AND  C183 AND  C204 | E.1/27 AND  E.1/124 AND  E.1/230 AND  E.1/231 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 5.1 | UCS2 display in Chinese | R99 | Rel-4 |  | E.1/27 AND  E.1/15 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-5 | Rel-7 | C143 AND  C166 AND  C174 AND  C204 | E.1/27 AND  E.1/15 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C143 AND  C166 AND  C174 AND  C183 AND  C204 | E.1/27 AND  E.1/15 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 6.1 | UCS2 display in Katakana | R99 | Rel-4 |  | E.1/27 AND  E.1/15 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-5 | Rel-7 | C145 AND  C166 AND  C174 AND  C204 | E.1/27 AND  E.1/15 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C145 AND  C166 AND  C174 AND  C183 AND  C204 | E.1/27 AND  E.1/15 AND  E.1/110 | USS or  SS only |  | TCEP001 |
| 27.22.4.12 |  | **SEND USSD** |  |  |  |  |  |  |  |
|  | 1.1 | 7-bit data, successful | R99 | Rel-7 | C204 | E.1/28 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C183 AND  C204 | E.1/28 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 1.2 | 8-bit data, successful | R99 | Rel-7 | C204 | E.1/28 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C183 AND  C204 | E.1/28 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 1.3 | UCS2 data, successful | R99 | Rel-7 | C204 | E.1/28 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C183 AND  C204 | E.1/28 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 1.4 | 7-bit data, unsuccessful | R99 | Rel-7 | C204 | E.1/28 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C183 AND  C204 | E.1/28 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 1.5 | 7-bit data, unsuccessful | R99 | Rel-7 | C204 | E.1/28 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C183 AND  C204 | E.1/28 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 1.6 | 256 octets, 7-bit data, successful, long alpha identifier | R99 | Rel-7 | C204 | E.1/28 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C183 AND  C204 | E.1/28 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 1.7 | 7-bit data, successful, no alpha identifier | R99 | Rel-7 | C204 | E.1/28 AND  E.1/110 | USS or  SS only |  |  |
|  | Rel-8 |  | C183 AND  C204 | E.1/28 AND  E.1/110 | USS or  SS only |  |  |
|  | 1.8 | 7-bit data, successful, null length alpha identifier | R99 | Rel-7 | C204 | E.1/28 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C183 AND  C204 | E.1/28 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 2.1, 2.3 | Icons – basic icon | R99 | Rel-7 | C108 AND  C204 | E.1/28 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C108 AND  C183 AND  C204 | E.1/28 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 2.2 | Icons – colour icon | R99 | Rel-7 | C186 AND  C204 | E.1/28 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C186 AND  C183 AND  C204 | E.1/28 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 2.4 | 7-bit data, basic icon non self-explanatory, no alpha identifier presented | R99 | Rel-7 | C187 AND  C204 | E.1/28 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C187 AND  C183 AND  C204 | E.1/28 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 3.1 | UCS2 in Cyrillic | R99 | Rel-7 | C118 AND  C204 | E.1/28 AND  E.1/15 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C118 AND  C183 AND  C204 | E.1/28 AND  E.1/15 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 4.1 | Text attribute – left alignment | Rel-5 | Rel-7 | C153 AND  C204 | E.1/28 AND  E.1/124 AND  E.1/217 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C153 AND  C183 AND  C204 | E.1/28 AND  E.1/124 AND  E.1/217 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 4.2 | Text attribute – center alignment | Rel-5 | Rel-7 | C154 AND  C204 | E.1/28 AND  E.1/124 AND  E.1/218 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C154 AND  C183 AND  C204 | E.1/28 AND  E.1/124 AND  E.1/218 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 4.3 | Text attribute – right alignment | Rel-5 | Rel-7 | C155 AND  C204 | E.1/28 AND  E.1/124 AND  E.1/219 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C155 AND  C183 AND  C204 | E.1/28 AND  E.1/124 AND  E.1/219 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 4.4 | Text attribute – large font size | Rel-5 | Rel-7 | C157 AND  C156 AND  C204 | E.1/28 AND  E.1/124 AND  E.1/221 AND  E.1/220 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C157 AND  C156 AND  C183 AND  C204 | E.1/28 AND  E.1/124 AND  E.1/221 AND  E.1/220 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 4.5 | Text attribute – small font size | Rel-5 | Rel-7 | C158 AND  C156 AND  C204 | E.1/28 AND  E.1/124 AND  E.1/222 AND  E.1/220 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C158 AND  C156 AND  C183 AND  C204 | E.1/28 AND  E.1/124 AND  E.1/222 AND  E.1/220 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 4.6 | Text attribute – bold on | Rel-5 | Rel-7 | C160 AND  C159 AND  C204 | E.1/28 AND  E.1/124 AND  E.1/225 AND  E.1/226 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C160 AND  C159 AND  C183 AND  C204 | E.1/28 AND  E.1/124 AND  E.1/225 AND  E.1/226 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 4.7 | Text attribute – italic on | Rel-5 | Rel-7 | C161 AND  C159 AND  C204 | E.1/28 AND  E.1/124 AND  E.1/225 AND  E.1/227 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C161 AND  C159 AND  C183 AND  C204 | E.1/28 AND  E.1/124 AND  E.1/225 AND  E.1/227 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 4.8 | Text attribute – underline on | Rel-5 | Rel-7 | C162 AND  C159 AND  C204 | E.1/28 AND  E.1/124 AND  E.1/225 AND  E.1/228 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C162 AND  C159 AND  C183 AND  C204 | E.1/28 AND  E.1/124 AND  E.1/225 AND  E.1/228 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 4.9 | Text attribute – strikethrough on | Rel-5 | Rel-7 | C163 AND  C159 AND  C204 | E.1/28 AND  E.1/124 AND  E.1/225 AND  E.1/229 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C163 AND  C159 AND  C183 AND  C204 | E.1/28 AND  E.1/124 AND  E.1/225 AND  E.1/229 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 4.10 | Text attribute – foreground and background colours | Rel-5 | Rel-7 | C164 AND  C165 AND  C204 | E.1/28 AND  E.1/124 AND  E.1/230 AND  E.1/231 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C164 AND  C165 AND  C183 AND  C204 | E.1/28 AND  E.1/124 AND  E.1/230 AND  E.1/231 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 5.1 | UCS2 in Chinese | R99 | Rel-4 |  | E.1/28 AND  E.1/15 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-5 | Rel-7 | C143 AND  C204 | E.1/28 AND  E.1/15 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C143 AND  C183 AND  C204 | E.1/28 AND  E.1/15 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 6.1 | UCS2 in Katakana | R99 | Rel-4 |  | E.1/28 AND  E.1/15 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-5 | Rel-7 | C145 AND  C204 | E.1/28 AND  E.1/15 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C145 AND  C183 AND  C204 | E.1/28 AND  E.1/15 AND  E.1/110 | USS or  SS only |  | TCEP001 |
| 27.22.4.13 |  | **SET UP CALL** |  |  |  |  |  |  |  |
|  | 1.1 | Call confirmed by the user and connected | R99 | Rel-7 | C177 AND  C178 AND  C180 | E.1/29 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | Rel-8 |  | C177 AND  C178 AND  C180 AND  C183 | E.1/29 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | 1.2 | call rejected by the user | R99 | Rel-7 | C177 AND  C178 AND  C180 | E.1/29 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | Rel-8 |  | C177 AND  C178 AND  C180 AND  C183 | E.1/29 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | 1.3 | void |  |  |  |  |  |  |  |
|  | 1.4 | putting all other calls on hold, ME busy | R99 | Rel-7 | C170 AND  C177 AND  C178 AND  C180 | E.1/29 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | Rel-8 |  | C170 AND  C177 AND  C178 AND  C180 AND  C183 | E.1/29 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | 1.5 | disconnecting all other calls, ME busy | R99 | Rel-7 | C177 AND  C178 AND  C180 | E.1/29 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | Rel-8 |  | C177 AND  C178 AND  C180 AND  C183 | E.1/29 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | 1.6 | only if not currently busy on another call, ME busy | R99 | Rel-7 | C177 AND  C178 AND  C180 | E.1/29 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | Rel-8 |  | C177 AND  C178 AND  C180 AND  C183 | E.1/29 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | 1.7 | putting all other calls on hold, call hold is not allowed | R99 | Rel-7 | C170 AND  C177 AND  C178 AND  C180 | E.1/29 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | Rel-8 |  | C170 AND  C177 AND  C178 AND  C180 AND  C183 | E.1/29 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | 1.8 | Capability configuration | R99 | Rel-7 | C101 AND  C177 AND  C178 AND  C180 | E.1/29 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | Rel-8 |  | C101 AND  C177 AND  C178 AND  C180 AND  C183 | E.1/29 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | 1.9 | long dialling number string | R99 | Rel-7 | C177 AND  C178 AND  C180 | E.1/29 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | Rel-8 |  | C177 AND  C178 AND  C180 AND  C183 | E.1/29 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | 1.10 | long first alpha identifier | R99 | Rel-7 | C177 AND  C178 AND  C180 | E.1/29 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | Rel-8 |  | C177 AND  C178 AND  C180 AND  C183 | E.1/29 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | 1.11 | Called party subaddress | R99 | Rel-7 | C124 AND  C177 AND  C178 AND  C180 | E.1/29 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | Rel-8 |  | C124 AND  C177 AND  C178 AND  C180 AND  C183 | E.1/29 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | 1.12 | maximum duration for the redial mechanism | R99 | Rel-7 | C119 AND  C177 AND  C178 AND  C180 | E.1/29 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | Rel-8 |  | C119 AND  C177 AND  C178 AND  C180 AND  C183 | E.1/29 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | 2.1 | second alpha identifier | R99 | Rel-7 | C177 AND  C178 AND  C180 | E.1/29 AND  E.1/63 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | Rel-8 |  | C177 AND  C178 AND  C180 AND  C183 | E.1/29 AND  E.1/63 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | 3.1,3.2, 3.4 | Icons – basic icon | R99 | Rel-7 | C108 AND  C177 AND  C178 AND  C180 | E.1/29 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | Rel-8 |  | C108 AND  C177 AND  C178 AND  C180 AND  C183 | E.1/29 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | 3.3 | Icons – colour icon | R99 | Rel-7 | C171 AND  C177 AND  C178 AND  C180 | E.1/29 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | Rel-8 |  | C171 AND  C177 AND  C178 AND  C180 AND  C183 | E.1/29 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | 4.1 | Text attribute – left alignment | Rel-5 | Rel-7 | C153 AND  C177 AND  C178 AND  C180 | E.1/29 AND  E.1/124 AND  E.1/217 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | Rel-8 |  | C153 AND  C177 AND  C178 AND  C180 AND  C183 | E.1/29 AND  E.1/124 AND  E.1/217 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | 4.2 | Text attribute – center alignment | Rel-5 | Rel-7 | C154 AND  C177 AND  C178 AND  C180 | E.1/29 AND  E.1/124 AND  E.1/218 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | Rel-8 |  | C154 AND  C177 AND  C178 AND  C180 AND  C183 | E.1/29 AND  E.1/124 AND  E.1/218 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | 4.3 | Text attribute – right alignment | Rel-5 | Rel-7 | C155 AND  C177 AND  C178 AND  C180 | E.1/29 AND  E.1/124 AND  E.1/219 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | Rel-8 |  | C155 AND  C177 AND  C178 AND  C180 AND  C183 | E.1/29 AND  E.1/124 AND  E.1/219 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | 4.4 | Text attribute – large font size | Rel-5 | Rel-7 | C157 AND  C156 AND  C177 AND  C178 AND  C180 | E.1/29 AND  E.1/124 AND  E.1/221 AND  E.1/220 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | Rel-8 |  | C157 AND  C156 AND  C177 AND  C178 AND  C180 AND  C183 | E.1/29 AND  E.1/124 AND  E.1/221 AND  E.1/220 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | 4.5 | Text attribute – small font size | Rel-5 | Rel-7 | C158 AND  C156 AND  C177 AND  C178 AND  C180 | E.1/29 AND  E.1/124 AND  E.1/222 AND  E.1/220 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | Rel-8 |  | C158 AND  C156 AND  C177 AND  C178 AND  C180 AND  C183 | E.1/29 AND  E.1/124 AND  E.1/222 AND  E.1/220 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | 4.6 | Text attribute – bold on | Rel-5 | Rel-7 | C160 AND  C159 AND  C177 AND  C178 AND  C180 | E.1/29 AND  E.1/124 AND  E.1/225 AND  E.1/226 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | Rel-8 |  | C160 AND  C159 AND  C177 AND  C178 AND  C180 AND  C183 | E.1/29 AND  E.1/124 AND  E.1/225 AND  E.1/226 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | 4.7 | Text attribute – italic on | Rel-5 | Rel-7 | C161 AND  C159 AND  C177 AND  C178 AND  C180 | E.1/29 AND  E.1/124 AND  E.1/225 AND  E.1/227 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | Rel-8 |  | C161 AND  C159 AND  C177 AND  C178 AND  C180 AND  C183 | E.1/29 AND  E.1/124 AND  E.1/225 AND  E.1/227 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | 4.8 | Text attribute – underline on | Rel-5 | Rel-7 | C162 AND  C159 AND  C177 AND  C178 AND  C180 | E.1/29 AND  E.1/124 AND  E.1/225 AND  E.1/228 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | Rel-8 |  | C162 AND  C159 AND  C177 AND  C178 AND  C180 AND  C183 | E.1/29 AND  E.1/124 AND  E.1/225 AND  E.1/228 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | 4.9 | Text attribute – strikethrough on | Rel-5 | Rel-7 | C163 AND  C159 AND  C177 AND  C178 AND  C180 | E.1/29 AND  E.1/124 AND  E.1/225 AND  E.1/229 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | Rel-8 |  | C163 AND  C159 AND  C177 AND  C178 AND  C180 AND  C183 | E.1/29 AND  E.1/124 AND  E.1/225 AND  E.1/229 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | 4.10 | Text attribute – foreground and background colours | Rel-5 | Rel-7 | C164 AND  C165 AND  C177 AND  C178 AND  C180 | E.1/29 AND  E.1/124 AND  E.1/230 AND  E.1/231 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | Rel-8 |  | C164 AND  C165 AND  C177 AND  C178 AND  C180 AND  C183 | E.1/29 AND  E.1/124 AND  E.1/230 AND  E.1/231 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | 5.1, 5.2 | UCS2 Display in Cyrillic | R99 | Rel-4 |  | E.1/29 AND  E.1/15 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | Rel-5 | Rel-7 | C118 AND  C177 AND  C178 AND  C180 | E.1/29 AND  E.1/15 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | Rel-8 |  | C118 AND  C177 AND  C178 AND  C180 AND  C183 | E.1/29 AND  E.1/15 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | 6.1, 6.2 | UCS2 display in Chinese | R99 | Rel-4 |  | E.1/29 AND  E.1/15 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | Rel-5 | Rel-7 | C143 AND  C177 AND  C178 AND  C180 | E.1/29 AND  E.1/15 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | Rel-8 |  | C143 AND  C177 AND  C178 AND  C180 AND  C183 | E.1/29 AND  E.1/15 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | 7.1, 7.2 | UCS2 display in Katakana | R99 | Rel-4 |  | E.1/29 AND  E.1/15 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | Rel-5 | Rel-7 | C145 AND  C177 AND  C178 AND  C180 | E.1/29 AND  E.1/15 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | Rel-8 |  | C145 AND  C177 AND  C178 AND  C180 AND  C183 | E.1/29 AND  E.1/15 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | TBD | Frames | Rel-6 |  |  | E.1/29 AND  E.1/177 AND  E.1/178 AND  E.1/110 AND  E.1/111 | TBD |  |  |
| 27.22.4.14 |  | **POLLING OFF** |  |  |  |  |  |  |  |
|  | 1.1 | POLLING OFF | R99 |  | C180 | E.1/23 | USS or  SS only |  |  |
|  | R99 | Rel-7 | C180 | E.1/23 | USS or  SS only |  |  |
|  | Rel-8 | Rel-11 | C180 AND  C183 | E.1/23 | USS or  SS only |  |  |
|  | Rel-12 |  | C183 | E.1/23 | USS or  SS only |  |  |
|  | 1.2 | POLLING OFF, E-UTRAN | Rel-8 | Rel-12 | C190 | E.1/23 | E-USS or  NB-SS  (See NOTE) |  |  |
|  | Rel-12 |  | C222 | E.1/23 | E-USS or  NB-SS  (See NOTE) |  |  |
| 27.22.4.15 |  | **PROVIDE LOCAL INFORMATION** |  |  |  |  |  |  |  |
|  | 1.1 | location information | R99 |  | M | E.1/31 | Yes |  | AER003 |
|  | 1.2 | IMEI | R99 |  | M | E.1/31 | No |  |  |
|  | 1.3 | network measurement results and BCCH channel list | R99 |  | C167 | E.1/32 AND  E.1/67 | SS only |  |  |
|  | 1.4 | Date, time and time zone | R99 |  | M | E.1/59 | No |  |  |
|  | 1.5 | language setting | R99 |  | C217 | E.1/68 | No |  |  |
|  | 1.6 | Timing advance | R99 |  | C167 | E.1/69 | SS only |  |  |
|  | 1.7 | Access Technology | Rel-4 | Rel-5 |  | E.1/72 | USS only |  | AER004 |
|  | Rel-6 | Rel-7 | M | E.1/72 | USS only |  | AER004 |
|  | Rel-8 |  | C184 | E.1/72 | USS only |  | AER004 |
|  | 1.8 | Void |  |  |  |  |  |  |  |
|  | 1.9 | IMEISV | Rel-6 |  | M | E.1/143 | No |  |  |
|  | 1.10 | Network Search Mode | Rel-6 | Rel-8 |  | E.1/144 | E-USS, USS or  SS |  |  |
|  | Rel-9 |  | M | E.1/144 | E-USS, USS or  SS |  |  |
|  | 1.11 | Charge State of the Battery | Rel-6 |  | C139 | E.1/170 | No |  |  |
|  | 1.12 | Intra-frequency UTRAN measurements | Rel-6 | Rel-7 | M | E.1/183 | USS only |  |  |
|  | Rel-8 |  | C184 | E.1/183 | USS only |  |  |
|  | 1.13 | Inter-frequency UTRAN measurements | Rel-6 | Rel-7 | M | E.1/183 | USS only |  |  |
|  | Rel-8 |  | M | E.1/183 | USS only |  |  |
|  | 1.14 | Access Technology, E-UTRAN | Rel-8 | Rel-12 | C190 | E.1/72 | E-USS or  NB-SS  (See NOTE) |  |  |
|  | Rel-13 |  | C222 | E.1/72 | E-USS or  NB-SS  (See NOTE) |  |  |
|  | 1.15 | E-UTRAN Intra-Frequency Measurements | Rel-8 |  | C190 | E.1/183 | E-USS only |  |  |
|  | 1.16 | E-UTRAN Intrer-Frequency Measurements | Rel-8 |  | C190 | E.1/183 | E-USS only |  |  |
|  | 1.17 | E-UTRAN Local Info (MCC, MNC, TAC & E-UTRAN Cell ID) | Rel-8 | Rel-12 | C190 | E.1/31 AND  E.1/135 | E-USS or  NB-SS  (See NOTE) |  |  |
|  | Rel-13 |  | C222 | E.1/31 AND  E.1/135 | E-USS or  NB-SS  (See NOTE) |  |  |
|  | 1.18 | Discovery of surrounding CSG cells | Rel-9 |  | C195 | E.1/242 | E-USS only |  |  |
|  | 1.19 | Location Information for multiple Access Technologies | Rel-8 |  |  | TBD | TBD |  |  |
|  | 1.20 | NMR for multiple Access Technologies | Rel-8 |  |  | TBD | TBD |  |  |
|  | 1.21 | Current access technologies, multiple Access Technologies | Rel-8 |  |  | TBD | TBD |  |  |
|  | 1.22 | NG-RAN Local Info (MCC, MNC, TAC & NG-RAN Cell ID) | Rel-15 |  | C231 | E.1/31 | NG-SS only |  |  |
|  | 1.23 | Access Technology, NG-RAN | Rel-15 |  | C231 | E.1/72 | NG-SS only |  |  |
|  | 1.24 | Slices Information | Rel-16 |  | C231 | E.1/284 | NG-SS only |  |  |
|  | 1.25 | Slices Information, no served Slice | Rel-16 |  | C231 | E.1/284 | NG-SS only |  |  |
|  | 1.26 | Slices Information, several served Slices | Rel-16 |  | C231 | E.1/284 | NG-SS only |  |  |
|  | 1.27 | NG-RAN Timing advance | Rel-16 |  | C231 | E.1/305 | NG-SS only |  |  |
|  | 1.28 | PROVIDE LOCAL INFORMATION, NG-RAN Intra-Frequency Measurements | Rel-16 |  | C231 | E.1/305 | NG-SS only |  |  |
|  | 1.29 | PROVIDE LOCAL INFORMATION, NG-RAN Inter-Frequency Measurements | Rel-16 |  | C231 | E.1/305 | NG-SS only |  |  |
|  | 1.30 | PROVIDE LOCAL INFORMATION, CAG information list | Rel-17 |  | C235 | E.1/287 | NG-SS only |  |  |
| 27.22.4.16 |  | **SET UP EVENT LIST** |  |  |  |  |  |  |  |
|  | 1.1 | Set up call connected event | R99 | Rel-7 | C180 | E.1/33 AND  E.1/35 | USS or  SS only |  |  |
|  | Rel-8 |  | C180 AND  C183 | E.1/33 AND  E.1/35 | USS or  SS only |  |  |
|  | 1.2 | Replace by new event list | R99 | Rel-7 | C180 | E.1/33 AND  E.1/35 AND  E.1/36 | USS or  SS only |  |  |
|  | Rel-8 |  | C180 AND  C183 | E.1/33 AND  E.1/35 AND  E.1/36 | USS or  SS only |  |  |
|  | 1.3 | Remove event | R99 | Rel-7 | C180 | E.1/33 AND  E.1/35 | USS or  SS only |  |  |
|  | Rel-8 |  | C180 AND  C183 | E.1/33 AND  E.1/35 | USS or  SS only |  |  |
|  | 1.4 | Remove Event on ME Power Cycle | R99 | Rel-7 | C180 | E.1/33 AND  E.1/35 | USS or  SS only |  |  |
|  | Rel-8 |  | C180 AND  C183 | E.1/33 AND  E.1/35 | USS or  SS only |  |  |
| 27.22.4.17 |  | **PERFORM CARD APDU** |  |  |  |  |  |  |  |
|  | 1.1 | Additional card inserted, Select MF and Get Response | R99 |  | C109 | E.1/51 | No |  |  |
|  | 1.2 | Additional card inserted, Select DF GSM, Select EF PLMN , Update Binary, Read Binary on EF PLMN | R99 |  | C109 | E.1/51 | No |  |  |
|  | 1.3 | Additional card inserted, card powered off | R99 |  | C109 | E.1/51 | No |  |  |
|  | 1.4 | No card inserted, card powered off | R99 |  | C109 | E.1/51 | No |  |  |
|  | 1.5 | Invalid card reader identifier | R99 |  | C109 | E.1/51 | No |  |  |
|  | 2.1 | Detachable reader | R99 |  | C116 | E.1/51 | No |  |  |
| 27.22.4.18 |  | **POWER OFF CARD** |  |  |  |  |  |  |  |
|  | 1.1 | Additional card inserted | R99 |  | C109 | E.1/50 | No |  |  |
|  | 1.2 | No card inserted | R99 |  | C109 | E.1/50 | No |  |  |
|  | 2.1 | Detachable reader | R99 |  | C116 | E.1/50 | No |  |  |
| 27.22.4.19 |  | **POWER ON CARD** |  |  |  |  |  |  |  |
|  | 1.1 | Additional card inserted | R99 |  | C109 | E.1/49 | No |  |  |
|  | 1.2 | No ATR | R99 |  | C109 | E.1/49 | No |  |  |
|  | 1.3 | No card inserted | R99 |  | C109 | E.1/49 | No |  |  |
|  | 2.1 | Detachable reader | R99 |  | C116 | E.1/49 | No |  |  |
| 27.22.4.20 |  | **GET READER STATUS** |  |  |  |  |  |  |  |
|  | 1.1 | Additional card inserted, card powered | R99 |  | C109 | E.1/52 | No |  |  |
|  | 1.2 | Additional card inserted, card not powered | R99 |  | C109 | E.1/52 | No |  |  |
|  | 1.3 | Additional card inserted, card not present | R99 |  | C109 | E.1/52 | No |  |  |
|  | 2.1 | Detachable reader | R99 |  | C116 | E.1/52 | No |  |  |
| 27.22.4.21.1 |  | **TIMER MANAGEMENT** |  |  |  |  |  |  |  |
|  | 1.1 | Start timer 1 several times, get the current value of the timer and deactivate the timer successfully | R99 |  | M | E.1/57 AND  E.1/58 | No |  |  |
|  | 1.2 | Start timer 2 several times, get the current value of the timer and deactivate the timer successfully | R99 |  | M | E.1/57 AND  E.1/58 | No |  |  |
|  | 1.3 | Start timer 8 several times, get the current value of the timer and deactivate the timer successfully | R99 |  | M | E.1/57 AND  E.1/58 | No |  |  |
|  | 1.4 | Try to get the current value of a timer which is not started: action in contradiction with the current timer state | R99 |  | M | E.1/57 AND  E.1/58 | No |  |  |
|  | 1.5 | Try to deactivate a timer which is not started: action in contradiction with the current timer state | R99 |  | M | E.1/57 AND  E.1/58 | No |  |  |
|  | 1.6 | Start 8 timers successfully | R99 |  | M | E.1/57 AND  E.1/58 | No |  |  |
| 27.22.4.21.2 |  | **ENVELOPE TIMER EXPIRATION** |  |  |  |  |  |  |  |
|  | 2.1 | Pending proactive UICC command | R99 |  | M | E.1/6 AND  E.1/57 | No |  |  |
|  | 2.2 | USIM application toolkit busy | R99 |  | M | E.1/6 AND  E.1/57 AND  E.1/20 | No |  |  |
| 27.22.4.22 |  | **SET UP IDLE MODE TEXT** |  |  |  |  |  |  |  |
|  | 1.1 | Display idle mode text | R99 |  | C177 | E.1/61 AND  E.1/33 AND  E.1/39 AND  E.1/110 | Yes |  |  |
|  | 1.2 | Replace idle mode text | R99 |  | C177 | E.1/61 AND  E.1/33 AND  E.1/39 AND  E.1/110 | Yes |  |  |
|  | 1.3 | Remove idle mode test | R99 |  | C177 | E.1/61 AND  E.1/33 AND  E.1/39 AND  E.1/110 | Yes |  |  |
|  | 1.4 | Competing information on ME display | R99 | Rel-7 | C177 AND  C179 AND  C180 | E.1/61 AND  E.1/33 AND  E.1/39 AND  E.1/110 | USS or  SS only |  |  |
|  | Rel-8 |  | C177 AND  C179 AND  C180 AND  C183 | E.1/61 AND  E.1/33 AND  E.1/39 AND  E.1/110 | USS or  SS only |  |  |
|  | 1.5 | ME powered cycled | R99 |  | C177 | E.1/61 AND  E.1/33 AND  E.1/39 AND  E.1/110 | Yes |  |  |
|  | 1.6 | Refresh with USIM initialization | R99 |  | C177 | E.1/61 AND  E.1/24 AND  E.1/33 AND  E.1/39 AND  E.1/110 | Yes |  |  |
|  | 1.7 | Large text string | R99 |  | C177 | E.1/61 AND  E.1/33 AND  E.1/39 AND  E.1/110 | Yes |  |  |
|  | 2.1, 2.2 | Icons – basic icon | R99 |  | C108 AND  C177 | E.1/61 AND  E.1/39 AND  E.1/110 | Yes |  |  |
|  | 2.3 | Icons – colour icon | R99 |  | C171 AND  C177 | E.1/61 AND  E.1/39 AND  E.1/110 | Yes |  |  |
|  | 2.4 | Icon is not self-explanatory, empty text string | R99 |  | C188 AND  C177 | E.1/61 AND  E.1/39 AND  E.1/110 | Yes |  |  |
|  | 3.1 | UCS2 display in Cyrillic | R99 |  | C118 AND  C177 | E.1/61 AND  E.1/15 AND  E.1/39 AND  E.1/110 | Yes |  |  |
|  | 4.1 | Text attribute – left alignment | Rel-5 |  | C153 AND  C177 | E.1/61 AND  E.1/33 AND  E.1/39 AND  E.1/124 AND  E.1/217 AND  E.1/110 | Yes |  |  |
|  | 4.2 | Text attribute – center alignment | Rel-5 |  | C154 AND  C177 | E.1/61 AND  E.1/33 AND  E.1/39 AND  E.1/124 AND  E.1/218 AND  E.1/110 | Yes |  |  |
|  | 4.3 | Text attribute – right alignment | Rel-5 |  | C155 AND  C177 | E.1/61 AND  E.1/33 AND  E.1/39 AND  E.1/124 AND  E.1/219 AND  E.1/110 | Yes |  |  |
|  | 4.4 | Text attribute – large font size | Rel-5 |  | C157 AND  C156 AND  C177 | E.1/61 AND  E.1/33 AND  E.1/39 AND  E.1/124 AND  E.1/221 AND  E.1/220 AND  E.1/110 | Yes |  |  |
|  | 4.5 | Text attribute – small font size | Rel-5 |  | C158 AND  C156 AND  C177 | E.1/61 AND  E.1/33 AND  E.1/39 AND  E.1/124 AND  E.1/222 AND  E.1/220 AND  E.1/110 | Yes |  |  |
|  | 4.6 | Text attribute – bold on | Rel-5 |  | C160 AND  C159 AND  C177 | E.1/61 AND  E.1/33 AND  E.1/39 AND  E.1/124 AND  E.1/225 AND  E.1/226 AND  E.1/110 | Yes |  |  |
|  | 4.7 | Text attribute – italic on | Rel-5 |  | C161 AND  C159 AND  C177 | E.1/61 AND  E.1/33 AND  E.1/39 AND  E.1/124 AND  E.1/225 AND  E.1/227 AND  E.1/110 | Yes |  |  |
|  | 4.8 | Text attribute – underline on | Rel-5 |  | C162 AND  C159 AND  C177 | E.1/61 AND  E.1/33 AND  E.1/39 AND  E.1/124 AND  E.1/225 AND  E.1/228 AND  E.1/110 | Yes |  |  |
|  | 4.9 | Text attribute – strikethrough on | Rel-5 |  | C163 AND  C159 AND  C177 | E.1/61 AND  E.1/33 AND  E.1/39 AND  E.1/124 AND  E.1/225 AND  E.1/229 AND  E.1/110 | Yes |  |  |
|  | 4.10 | Text attribute – foreground and background colours | Rel-5 |  | C164 AND  C165 AND  C177 | E.1/61 AND  E.1/33 AND  E.1/39 AND  E.1/124 AND  E.1/230 AND  E.1/231 AND  E.1/110 | Yes |  |  |
|  | 5.1 | UCS2 display in Chinese | R99 | Rel-4 |  | E.1/61 AND  E.1/15 AND  E.1/39 AND  E.1/110 | Yes |  |  |
|  | Rel-5 |  | C143 AND  C177 | E.1/61 AND  E.1/15 AND  E.1/39 AND  E.1/110 | Yes |  |  |
|  | 6.1 | UCS2 display in Katakana | R99 | Rel-4 |  | E.1/61 AND  E.1/15 AND  E.1/39 AND  E.1/110 | Yes |  |  |
|  | Rel-5 |  | C145 AND  C177 | E.1/61 AND  E.1/15 AND  E.1/39 AND  E.1/110 | Yes |  |  |
|  | TBD | Frames | Rel-6 |  |  | E.1/61 AND  E.1/177 AND  E.1/178 AND  E.1/110 | TBD |  |  |
| 27.22.4.23 |  | **RUN AT COMMAND** |  |  |  |  |  |  |  |
|  | 1.1 | No alpha Identifier | R99 |  | C110 | E.1/62 | No |  |  |
|  | 1.2 | null data alpha identifier presented | R99 |  | C110 | E.1/62 | No |  |  |
|  | 1.3 | alpha identifier presented | R99 |  | C110 AND  C177 | E.1/62 AND  E.1/110 | No |  |  |
|  | 2.1, 2.3 | Icons – basic icon | R99 |  | C114 AND  C177 | E.1/62 AND  E.1/110 | No |  |  |
|  | 2.2, 2.4, | Icons – colour icon | R99 |  | C173 AND  C177 | E.1/62 AND  E.1/110 | No |  |  |
|  | 2.5 | basic icon non self-explanatory, no alpha identifier presented | R99 |  | C189 AND  C177 | E.1/62 AND  E.1/110 | No |  |  |
|  | 3.1 | Text attribute – left alignment | Rel-5 |  | C110 AND  C153 AND  C177 | E.1/62 AND  E.1/124 AND  E.1/217 AND  E.1/110 | No |  |  |
|  | 3.2 | Text attribute – center alignment | Rel-5 |  | C110 AND  C154 AND  C177 | E.1/62 AND  E.1/124 AND  E.1/218 AND  E.1/110 | No |  |  |
|  | 3.3 | Text attribute – right alignment | Rel-5 |  | C110 AND  C155 AND  C177 | E.1/62 AND  E.1/124 AND  E.1/219 AND  E.1/110 | No |  |  |
|  | 3.4 | Text attribute – large font size | Rel-5 |  | C110 AND  C157 AND  C156 AND  C177 | E.1/62 AND  E.1/124 AND  E.1/221 AND  E.1/220 AND  E.1/110 | No |  |  |
|  | 3.5 | Text attribute – small font size | Rel-5 |  | C110 AND  C158 AND  C156 AND  C177 | E.1/62 AND  E.1/124 AND  E.1/222 AND  E.1/220 AND  E.1/110 | No |  |  |
|  | 3.6 | Text attribute – bold on | Rel-5 |  | C110 AND  C160 AND  C159 AND  C177 | E.1/62 AND  E.1/124 AND  E.1/225 AND  E.1/226 AND  E.1/110 | No |  |  |
|  | 3.7 | Text attribute – italic on | Rel-5 |  | C110 AND  C161 AND  C159 AND  C177 | E.1/62 AND  E.1/124 AND  E.1/225 AND  E.1/227 AND  E.1/110 | No |  |  |
|  | 3.8 | Text attribute – underline on | Rel-5 |  | C110 AND  C162 AND  C159 AND  C177 | E.1/62 AND  E.1/124 AND  E.1/225 AND  E.1/228 AND  E.1/110 | No |  |  |
|  | 3.9 | Text attribute – strikethrough on | Rel-5 |  | C110 AND  C163 AND  C159 AND  C177 | E.1/62 AND  E.1/124 AND  E.1/225 AND  E.1/229 AND  E.1/110 | No |  |  |
|  | 3.10 | Text attribute – foreground and background colours | Rel-5 |  | C110 AND  C164 AND  C165 AND  C177 | E.1/62 AND  E.1/124 AND  E.1/230 AND  E.1/231 AND  E.1/110 | No |  |  |
|  | 4.1 | UCS2 Display in Cyrillic | R99 | Rel-4 |  | E.1/62 AND  E.1/15 AND  E.1/110 | No |  |  |
|  | Rel-5 |  | C149 AND  C177 | E.1/62 AND  E.1/15 AND  E.1/110 | No |  |  |
|  | 5.1 | UCS2 display in Chinese | R99 | Rel-4 |  | E.1/62 AND  E.1/15 AND  E.1/110 | No |  |  |
|  | Rel-5 |  | C150 AND  C177 | E.1/62 AND  E.1/15 AND  E.1/110 | No |  |  |
|  | 6.1 | UCS2 display in Katakana | R99 | Rel-4 |  | E.1/62 AND  E.1/15 AND  E.1/110 | No |  |  |
|  | Rel-5 |  | C151 AND  C177 | E.1/62 AND  E.1/15 AND  E.1/110 | No |  |  |
|  | TBD | Frames | Rel-6 |  |  | E.1/62 AND  E.1/177 AND  E.1/178 AND  E.1/110 | TBD |  |  |
| 27.22.4.24 |  | **SEND DTMF** |  |  |  |  |  |  |  |
|  | 1.1 | Normal | R99 | Rel-7 | C180 | E.1/66 | USS or  SS only |  |  |
|  | Rel-8 |  | C180 AND  C183 | E.1/66 | USS or  SS only |  |  |
|  | 1.2, 1.3 | alpha identifier | R99 | Rel-7 | C180 | E.1/66 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C180 AND  C183 | E.1/66 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 1.4 | Mobile is not in a speech call | R99 | Rel-7 | C180 | E.1/66 | USS or  SS only |  |  |
|  | Rel-8 |  | C180 AND  C183 | E.1/66 | USS or  SS only |  |  |
|  | 2.1, 2.3 | Icons – basic icon | R99 | Rel-7 | C108 AND  C180 | E.1/66 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C108 AND  C180 AND  C183 | E.1/66 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 2.2 | Icons – colour icon | R99 | Rel-7 | C171 AND  C180 | E.1/66 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C171 AND  C180 AND  C183 | E.1/66 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 3.1 | UCS2 display in Cyrillic | R99 | Rel-7 | C118 AND  C180 | E.1/66 AND  E.1/15 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C118 AND  C180 AND  C183 | E.1/66 AND  E.1/15 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 4.1 | Text attribute – left alignment | Rel-5 | Rel-7 | C153 AND  C180 | E.1/66 AND  E.1/124 AND  E.1/217 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C153 AND  C180 AND  C183 | E.1/66 AND  E.1/124 AND  E.1/217 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 4.2 | Text attribute – center alignment | Rel-5 | Rel-7 | C154 AND  C180 | E.1/66 AND  E.1/124 AND  E.1/218 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C154 AND  C180 AND  C183 | E.1/66 AND  E.1/124 AND  E.1/218 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 4.3 | Text attribute – right alignment | Rel-5 | Rel-7 | C155 AND  C180 | E.1/66 AND  E.1/124 AND  E.1/219 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C155 AND  C180 AND  C183 | E.1/66 AND  E.1/124 AND  E.1/219 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 4.4 | Text attribute – large font size | Rel-5 | Rel-7 | C157 AND  C156 AND  C180 | E.1/66 AND  E.1/124 AND  E.1/221 AND  E.1/220 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C157 AND  C156 AND  C180 AND  C183 | E.1/66 AND  E.1/124 AND  E.1/221 AND  E.1/220 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 4.5 | Text attribute – small font size | Rel-5 | Rel-7 | C158 AND  C156 AND  C180 | E.1/66 AND  E.1/124 AND  E.1/222 AND  E.1/220 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C158 AND  C156 AND  C180 AND  C183 | E.1/66 AND  E.1/124 AND  E.1/222 AND  E.1/220 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 4.6 | Text attribute – bold on | Rel-5 | Rel-7 | C160 AND  C159 AND  C180 | E.1/66 AND  E.1/124 AND  E.1/225 AND  E.1/226 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C160 AND  C159 AND  C180 AND  C183 | E.1/66 AND  E.1/124 AND  E.1/225 AND  E.1/226 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 4.7 | Text attribute – italic on | Rel-5 | Rel-7 | C161 AND  C159 AND  C180 | E.1/66 AND  E.1/124 AND  E.1/225 AND  E.1/227 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C161 AND  C159 AND  C180 AND  C183 | E.1/66 AND  E.1/124 AND  E.1/225 AND  E.1/227 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 4.8 | Text attribute – underline on | Rel-5 | Rel-7 | C162 AND  C159 AND  C180 | E.1/66 AND  E.1/124 AND  E.1/225 AND  E.1/228 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C162 AND  C159 AND  C180 AND  C183 | E.1/66 AND  E.1/124 AND  E.1/225 AND  E.1/228 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 4.9 | Text attribute – strikethrough on | Rel-5 | Rel-7 | C163 AND  C159 AND  C180 | E.1/66 AND  E.1/124 AND  E.1/225 AND  E.1/229 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C163 AND  C159 AND  C180 AND  C183 | E.1/66 AND  E.1/124 AND  E.1/225 AND  E.1/229 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 4.10 | Text attribute – foreground and background colours | Rel-5 | Rel-7 | C164 AND  C165 AND  C180 | E.1/66 AND  E.1/124 AND  E.1/230 AND  E.1/231 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C164 AND  C165 AND  C180 AND  C183 | E.1/66 AND  E.1/124 AND  E.1/230 AND  E.1/231 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 5.1 | UCS2 display in Chinese | R99 | Rel-4 |  | E.1/66 AND  E.1/15 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-5 | Rel-7 | C143 AND  C180 | E.1/66 AND  E.1/15 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C143 AND  C180 AND  C183 | E.1/66 AND  E.1/15 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 6.1 | UCS2 display in Katakana | R99 | Rel-4 |  | E.1/66 AND  E.1/15 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-5 | Rel-7 | C145 AND  C180 | E.1/66 AND  E.1/15 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C145 AND  C180 AND  C183 | E.1/66 AND  E.1/15 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | TBD | Frames | Rel-6 |  |  | E.1/66 AND  E.1/177 AND  E.1/178 AND  E.1/110 | TBD |  |  |
| 27.22.4.25 |  | **LANGUAGE NOTIFICATION** |  |  |  |  |  |  |  |
|  | 1.1 | Specific language notification | R99 |  | C181 AND  C218 | E.1/70 | No |  |  |
|  | 1.2 | Non specific language notification | R99 |  | C181 AND  C218 | E.1/70 | No |  |  |
| 27.22.4.26 |  | **LAUNCH BROWSER** |  |  |  |  |  |  |  |
|  | 1.1 | No session already launched: Connect to the default URL | R99 |  | C111 AND  C177 AND  C178 AND  C213 | E.1/71 AND  E.1/110 AND  E.1/111 | Yes |  |  |
|  | 1.2 | connect to the specified URL, alpha identifier length=0 | R99 |  | C111 AND  C177 AND  C178 | E.1/71 AND  E.1/110 AND  E.1/111 | Yes |  |  |
|  | 1.3 | Browser identity, no alpha identifier | R99 |  | C111 AND  C177 AND  C178 | E.1/71 AND  E.1/110 AND  E.1/111 | Yes |  |  |
|  | 1.4 | one bearer specified and gateway/proxy identity | R99 |  | C122 AND  C177 AND  C178 | E.1/71 AND  E.1/98 AND  E.1/110 AND  E.1/111 | Yes |  |  |
|  | 1.5 | void | R99 |  | Void | void |  |  |  |
|  | 1.6 | ME does not support Launch Browser with Default URL | R99 |  | C111 AND  C177 AND  C178 AND  C214 | E.1/71 AND  E.1/110 AND  E.1/111 | Yes |  |  |
|  | 2.1, 2.2, 2.3 | Interaction with current session | R99 |  | C111 AND  C177 AND  C178 | E.1/71 AND  E.1/110 AND  E.1/111 | Yes |  |  |
|  | 3.1 | UCS2 display in Cyrillic | R99 |  | C111 AND  C118 AND  C177 AND  C178 | E.1/71 AND  E.1/15 AND  E.1/110 AND  E.1/111 | Yes |  |  |
|  | 4.1, 4.2 | Icons – basic icon | R99 |  | C115 AND  C177 AND  C178 | E.1/71 AND  E.1/110 AND  E.1/111 | Yes |  |  |
|  | 5.1 | Text attribute – left alignment | Rel-5 |  | C111 AND  C153 AND  C177 AND  C178 | E.1/71 AND  E.1/124 AND  E.1/217 AND  E.1/110 AND  E.1/111 | Yes |  |  |
|  | 5.2 | Text attribute – center alignment | Rel-5 |  | C111 AND  C154 AND  C177 AND  C178 | E.1/71 AND  E.1/124 AND  E.1/218 AND  E.1/110 AND  E.1/111 | Yes |  |  |
|  | 5.3 | Text attribute – right alignment | Rel-5 |  | C111 AND  C155 AND  C177 AND  C178 | E.1/71 AND  E.1/124 AND  E.1/219 AND  E.1/110 AND  E.1/111 | Yes |  |  |
|  | 5.4 | Text attribute – large font size | Rel-5 |  | C111 AND  C157 AND  C156 AND  C177 AND  C178 | E.1/71 AND  E.1/124 AND  E.1/221 AND  E.1/220 AND  E.1/110 AND  E.1/111 | Yes |  |  |
|  | 5.5 | Text attribute – small font size | Rel-5 |  | C111 AND  C158 AND  C156 AND  C177 AND  C178 | E.1/71 AND  E.1/124 AND  E.1/222 AND  E.1/220 AND  E.1/110 AND  E.1/111 | Yes |  |  |
|  | 5.6 | Text attribute – bold on | Rel-5 |  | C111 AND  C160 AND  C159 AND  C177 AND  C178 | E.1/71 AND  E.1/124 AND  E.1/225 AND  E.1/226 AND  E.1/110 AND  E.1/111 | Yes |  |  |
|  | 5.7 | Text attribute – italic on | Rel-5 |  | C111 AND  C161 AND  C159 AND  C177 AND  C178 | E.1/71 AND  E.1/124 AND  E.1/225 AND  E.1/227 AND  E.1/110 AND  E.1/111 | Yes |  |  |
|  | 5.8 | Text attribute – underline on | Rel-5 |  | C111 AND  C162 AND  C159 AND  C177 AND  C178 | E.1/71 AND  E.1/124 AND  E.1/225 AND  E.1/228 AND  E.1/110 AND  E.1/111 | Yes |  |  |
|  | 5.9 | Text attribute – strikethrough on | Rel-5 |  | C111 AND  C163 AND  C159 AND  C177 AND  C178 | E.1/71 AND  E.1/124 AND  E.1/225 AND  E.1/229 AND  E.1/110 AND  E.1/111 | Yes |  |  |
|  | 5.10 | Text attribute – foreground and background colours | Rel-5 |  | C111 AND  C164 AND  C165 AND  C177 AND  C178 | E.1/71 AND  E.1/124 AND  E.1/230 AND  E.1/231 AND  E.1/110 AND  E.1/111 | Yes |  |  |
|  | 6.1 | UCS2 display in Chinese | R99 | Rel-4 |  | E.1/71 AND  E.1/15 AND  E.1/110 AND  E.1/111 | Yes |  |  |
|  | Rel-5 |  | C111 AND  C143 AND  C177 AND  C178 | E.1/71 AND  E.1/15 AND  E.1/110 AND  E.1/111 | Yes |  |  |
|  | 7.1 | UCS2 display in Katakana | R99 | Rel-4 |  | E.1/71 AND  E.1/15 AND  E.1/110 AND  E.1/111 | Yes |  |  |
|  | Rel-5 |  | C111 AND  C145 AND  C177 AND  C178 | E.1/71 AND  E.1/15 AND  E.1/110 AND  E.1/111 | Yes |  |  |
|  | TBD | Frames | Rel-6 |  |  | E.1/71 AND  E.1/177 AND  E.1/178 AND  E.1/110 AND  E.1/111 | TBD |  |  |
|  | 8.1 | only NG-RAN bearer specified and gateway proxy identity | Rel-16 |  | C111 AND C231 | E.1/71 AND  E.1/98 AND  E.1/110 AND  E.1/111 | NG-SS only |  |  |
|  | 8.2 | Trigger LAUNCH BROWSER by CALL CONTROL | Rel-16 |  | C111 AND C231 | E.1/71 AND  E.1/110 AND  E.1/111 | NG-SS only |  |  |
|  | 8.3 | Trigger LAUNCH BROWSER by MT Call event | Rel-16 |  | C111 AND C231 | E.1/71 AND  E.1/110 AND  E.1/111 | NG-SS only |  |  |
|  | 8.4 | Trigger LAUNCH BROWSER during mobile originated call | Rel-16 |  | C111 AND C231 | E.1/71 AND  E.1/110 AND  E.1/111 | NG-SS only |  |  |
|  | 8.5 | Trigger LAUNCH BROWSER during mobile terminated call | Rel-16 |  | C111 AND C231 | E.1/71 AND  E.1/110 AND  E.1/111 | NG-SS only |  |  |
| 27.22.4.27 |  | **OPEN CHANNEL** |  |  |  |  |  |  |  |
|  | 1 | void | R99 |  | void | void |  |  |  |
|  | 2.1 | void | R99 |  | void | void |  |  |  |
|  | 2.2 | immediate link establishment GPRS, no alpha identifier, with network access name | R99 | Rel-7 | C121 | E.1/89 AND  E.1/98 | USS or  SS only |  | AER006 |
|  | Rel-8 |  | C121 AND  C183 | E.1/89 AND  E.1/98 | USS or  SS only |  | AER006 |
|  | 2.3 | immediate link establishment, GPRS, with alpha identifier | R99 | Rel-7 | C121 | E.1/89 AND  E.1/98 AND  E.1/110 AND  E.1/111 | USS or  SS only |  | TCEP001, TCEP002, AER005 |
|  | Rel-8 |  | C121 AND  C183 | E.1/89 AND  E.1/98 AND  E.1/110 AND  E.1/111 | USS or  SS only |  | TCEP001, TCEP002, AER005 |
|  | 2.4 | immediate link establishment, GPRS, with null alpha identifier | R99 | Rel-7 | C121 | E.1/89 AND  E.1/98 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C121 AND  C183 | E.1/89 AND  E.1/98 | USS or  SS only |  | TCEP001 |
|  | 2.5 | immediate link establishment, GPRS, command performed with modifications (buffer size) | R99 | Rel-7 | C152 | E.1/89 AND  E.1/98 | USS or  SS only |  |  |
|  | Rel-8 |  | C152 AND  C183 | E.1/89 AND  E.1/98 | USS or  SS only |  |  |
|  | 2.6 | void | void |  | Void | void |  |  |  |
|  | 2.7 | immediate link establishment, GPRS, open command with alpha identifier, User did not accept the proactive command | R99 | Rel-7 | C169 AND  C177 | E.1/89 AND  E.1/98 AND  E.1/110 AND  E.1/111 | USS or  SS only |  | TCEP001, TCEP002, AER007 |
|  | Rel-8 |  | C169 AND  C183 AND  C177 | E.1/89 AND  E.1/98 AND  E.1/110 AND  E.1/111 | USS or  SS only |  | TCEP001, TCEP002, AER007 |
|  | 2.8 | void | void |  | Void | void |  |  |  |
|  | 2.9 | OPEN CHANNEL, immediate link establishment, no alpha identifier, with network access name | R99 | Rel-8 |  | E.1/89 AND  E.1/98 AND  E.1/129 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | Rel-9 |  | C191 AND  C183 | E.1/89 AND  E.1/98 AND  E.1/129 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | 2.10 | Multi OPEN CHANNEL, one in TCP Server mode and one in TCP Client mode. | Rel-7 | Rel-8 |  | E.1/89 AND  E.1/98 AND  E.1/129 AND  E.1/131 | USS or  SS only |  |  |
|  | Rel-9 |  | C192 AND  C183 | E.1/89 AND  E.1/98 AND  E.1/129 AND  E.1/131 | USS or  SS only |  |  |
|  | 3.1 | OPEN CHANNEL, Default Bearer, GPRS, with null alpha identifier) | R99 | Rel-7 | C191 | E.1/89 AND  E.1/98 AND  C129 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C191 AND  C183 | E.1/89 AND  E.1/98 AND  C129 | USS or  SS only |  | TCEP001 |
|  | TBD | Local Bearer | Rel-4 |  |  | E.1/89 AND  E.1/98 AND  C132 | TBD |  |  |
|  | 5.1 | Text attribute – left alignment | Rel-5 | Rel-7 | C121 AND  C153 | E.1/89 AND  E.1/98 AND  E.1/124 AND  E.1/217 AND  E.1/110 AND  E.1/111 | USS or  SS only |  | TCEP001, TCEP002 |
|  | Rel-8 |  | C121 AND  C153 AND  C183 | E.1/89 AND  E.1/98 AND  E.1/124 AND  E.1/217 AND  E.1/110 AND  E.1/111 | USS or  SS only |  | TCEP001, TCEP002 |
|  | 5.2 | Text attribute – center alignment | Rel-5 | Rel-7 | C121 AND  C154 | E.1/89 AND  E.1/98 AND  E.1/124 AND  E.1/218 AND  E.1/110 AND  E.1/111 | USS or  SS only |  | TCEP001, TCEP002 |
|  | Rel-8 |  | C121 AND  C154 AND  C183 | E.1/89 AND  E.1/98 AND  E.1/124 AND  E.1/218 AND  E.1/110 AND  E.1/111 | USS or  SS only |  | TCEP001, TCEP002 |
|  | 5.3 | Text attribute – right alignment | Rel-5 | Rel-7 | C121 AND  C155 | E.1/89 AND  E.1/98 AND  E.1/124 AND  E.1/219 AND  E.1/110 AND  E.1/111 | USS or  SS only |  | TCEP001, TCEP002 |
|  | Rel-8 |  | C121 AND  C155 AND  C183 | E.1/89 AND  E.1/98 AND  E.1/124 AND  E.1/219 AND  E.1/110 AND  E.1/111 | USS or  SS only |  | TCEP001, TCEP002 |
|  | 5.4 | Text attribute – large font size | Rel-5 | Rel-7 | C121 AND  C157 AND  C156 | E.1/89 AND  E.1/98 AND  E.1/124 AND  E.1/221 AND  E.1/220 AND  E.1/110 AND  E.1/111 | USS or  SS only |  | TCEP001, TCEP002 |
|  | Rel-8 |  | C121 AND  C157 AND  C156 AND  C183 | E.1/89 AND  E.1/98 AND  E.1/124 AND  E.1/221 AND  E.1/220 AND  E.1/110 AND  E.1/111 | USS or  SS only |  | TCEP001, TCEP002 |
|  | 5.5 | Text attribute – small font size | Rel-5 | Rel-7 | C121 AND  C158 AND  C156 | E.1/89 AND  E.1/98 AND  E.1/124 AND  E.1/222 AND  E.1/220 AND  E.1/110 AND  E.1/111 | USS or  SS only |  | TCEP001, TCEP002 |
|  | Rel-8 |  | C121 AND  C158 AND  C156 AND  C183 | E.1/89 AND  E.1/98 AND  E.1/124 AND  E.1/222 AND  E.1/220 AND  E.1/110 AND  E.1/111 | USS or  SS only |  | TCEP001, TCEP002 |
|  | 5.6 | Text attribute – bold on | Rel-5 | Rel-7 | C121 AND  C160 AND  C159 | E.1/89 AND  E.1/98 AND  E.1/124 AND  E.1/225 AND  E.1/226 AND  E.1/110 AND  E.1/111 | USS or  SS only |  | TCEP001, TCEP002 |
|  | Rel-8 |  | C121 AND  C160 AND  C159 AND  C183 | E.1/89 AND  E.1/98 AND  E.1/124 AND  E.1/225 AND  E.1/226 AND  E.1/110 AND  E.1/111 | USS or  SS only |  | TCEP001, TCEP002 |
|  | 5.7 | Text attribute – italic on | Rel-5 | Rel-7 | C121 AND  C161 AND  C159 | E.1/89 AND  E.1/98 AND  E.1/124 AND  E.1/225 AND  E.1/227 AND  E.1/110 AND  E.1/111 | USS or  SS only |  | TCEP001, TCEP002 |
|  | Rel-8 |  | C121 AND  C161 AND  C159 AND  C183 | E.1/89 AND  E.1/98 AND  E.1/124 AND  E.1/225 AND  E.1/227 AND  E.1/110 AND  E.1/111 | USS or  SS only |  | TCEP001, TCEP002 |
|  | 5.8 | Text attribute – underline on | Rel-5 | Rel-7 | C121 AND  C162 AND  C159 | E.1/89 AND  E.1/98 AND  E.1/124 AND  E.1/225 AND  E.1/228 AND  E.1/110 AND  E.1/111 | USS or  SS only |  | TCEP001, TCEP002 |
|  | Rel-8 |  | C121 AND  C162 AND  C159 AND  C183 | E.1/89 AND  E.1/98 AND  E.1/124 AND  E.1/225 AND  E.1/228 AND  E.1/110 AND  E.1/111 | USS or  SS only |  | TCEP001, TCEP002 |
|  | 5.9 | Text attribute – strikethrough on | Rel-5 | Rel-7 | C121 AND  C163 AND  C159 | E.1/89 AND  E.1/98 AND  E.1/124 AND  E.1/225 AND  E.1/229 AND  E.1/110 AND  E.1/111 | USS or  SS only |  | TCEP001, TCEP002 |
|  | Rel-8 |  | C121 AND  C163 AND  C159 AND  C183 | E.1/89 AND  E.1/98 AND  E.1/124 AND  E.1/225 AND  E.1/229 AND  E.1/110 AND  E.1/111 | USS or  SS only |  | TCEP001, TCEP002 |
|  | 5.10 | Text attribute – foreground and background colours | Rel-5 | Rel-7 | C121 AND  C164 AND  C165 | E.1/89 AND  E.1/98 AND  E.1/124 AND  E.1/230 AND  E.1/231 AND  E.1/110 AND  E.1/111 | USS or  SS only |  | TCEP001, TCEP002 |
|  | Rel-8 |  | C121 AND  C164 AND  C165 AND  C183 | E.1/89 AND  E.1/98 AND  E.1/124 AND  E.1/230 AND  E.1/231 AND  E.1/110 AND  E.1/111 | USS or  SS only |  | TCEP001, TCEP002 |
|  | TBD | Frames | Rel-6 |  |  | E.1/89 AND  E.1/98 AND  E.1/177 AND  E.1/178 AND  E.1/110 AND  E.1/111 | TBD |  |  |
|  | 6.1 | Immediate link establishment, E-UTRAN, bearer type '02' | Rel-8 | Rel-12 | C182 | E.1/89 AND  E.1/135 | E-USS or  NB-SS  (See NOTE) |  |  |
|  | Rel-13 |  | C224 | E.1/89 AND  E.1/135 | E-USS or  NB-SS  (See NOTE) |  |  |
|  | 6.2 | Immediate link establishment, E-UTRAN, bearer type '0B' | Rel-8 |  | C182 | E.1/89 AND  E.1/135 | E-USS only |  |  |
|  | 6.3 | Immediate link establishment, E-UTRAN, bearer type '02', with Network Access Name, with alpha identifier | Rel-8 | Rel-12 | C182 | E.1/89 AND  E.1/110 AND  E.1/111 AND  E.1/135 | E-USS or  NB-SS  (See NOTE) |  | TCEP001, TCEP002 |
|  | Rel-13 |  | C224 | E.1/89 AND  E.1/110 AND  E.1/111 AND  E.1/135 | E-USS or  NB-SS  (See NOTE) |  | TCEP001, TCEP002 |
|  | 6.4 | Immediate link establishment, E-UTRAN, bearer type '03', with alpha identifier, user did not accept the proactive command | Rel-8 |  | C182 AND  C177 | E.1/89 AND  E.1/110 AND  E.1/111 AND  E.1/135 | E-USS or  NB-SS  (See NOTE) |  |  |
|  | 6.5 | Immediate link establishment, E-UTRAN, bearer type '03', default EPS bearer | Rel-8 |  | C182 | E.1/89 AND  E.1/135 | E-USS or  NB-SS  (See NOTE) |  |  |
|  | 6.6 | OPEN CHANNEL, BIP is not a 3GPP PS data off exempt service | Rel-14 |  | C228 | E.1/2 AND  E.1/89 AND  E.1/135 | E-USS |  |  |
|  | 6.7 | OPEN CHANNEL, BIP is a 3GPP PS data off exempt service | Rel-14 |  | C228 | E.1/2 AND  E.1/89 AND  E.1/135 | E-USS |  |  |
|  | 6.8 | OPEN CHANNEL,Maximum number of open channel requests | Rel-14 |  |  | E.1/89 AND  E.1/135 | E-USS or  NB-SS(See NOTE) |  |  |
|  | 7.1 | OPEN CHANNEL for IMS, IARI list stored on the USIM | Rel-10 |  | C207 | E.1/33 AND  E.1/89 AND  E.1/247 AND  E.1/249 | USS or  E-USS |  |  |
|  | 8.1 | OPEN CHANNEL, immediate link establishment, NG-RAN, bearer type '03' – Default PDU Session | Rel-15 |  | C232 | E.1/89 AND  E.1/281 | NG-SS only |  |  |
|  | 8.2 | OPEN CHANNEL, immediate link establishment, NG-RAN, bearer type '0C' | Rel-15 |  | C232 | E.1/89 AND  E.1/281 | NG-SS only |  |  |
|  | 8.3 | OPEN CHANNEL, NG-RAN, bearer type '0C', after receiving policy update for URSP from network | Rel-15 |  | C232 | E.1/89 AND  E.1/281 | NG-SS only |  |  |
|  | 8.4 | OPEN CHANNEL, NG-RAN, bearer type '0C', PDU Session is already available for the same DNN | Rel-15 |  | C232 | E.1/89 AND  E.1/281 | NG-SS only |  |  |
|  | 8.5 | OPEN CHANNEL, immediate link establishment, NG-RAN, bearer type '02' – Default PDU Session | Rel-15 |  | C232 | E.1/89 AND  E.1/281 | NG-SS only |  |  |
|  | 8.6 | OPEN CHANNEL, immediate link establishment, NG-RAN, bearer type '0B' – Default PDU Session | Rel-15 |  | C232 | E.1/89 AND  E.1/281 | NG-SS only |  |  |
| 27.22.4.28 |  | **CLOSE CHANNEL** |  |  |  |  |  |  |  |
|  | 1.1 | successful | R99 | Rel-7 | C121 | E.1/89 AND  E.1/90 | USS or  SS only |  |  |
|  | Rel-8 |  | C121 AND  C183 | E.1/89 AND  E.1/90 | USS or  SS only |  |  |
|  | 1.2 | with an invalid channel identifier | R99 | Rel-7 | C121 | E.1/89 AND  E.1/90 | USS or  SS only |  |  |
|  | Rel-8 |  | C121 AND  C183 | E.1/89 AND  E.1/90 | USS or  SS only |  |  |
|  | 1.3 | on an already closed channel | R99 | Rel-7 | C121 | E.1/90 | USS or  SS only |  |  |
|  | Rel-8 |  | C121 AND  C183 | E.1/90 | USS or  SS only |  |  |
|  | 2.1 | Text attribute – left alignment | Rel-5 | Rel-7 | C121 AND  C153 | E.1/89 AND  E.1/90 AND  E.1/124 AND  E.1/217 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C121 AND  C153 AND  C183 | E.1/89 AND  E.1/90 AND  E.1/124 AND  E.1/217 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 2.2 | Text attribute – center alignment | Rel-5 | Rel-7 | C121 AND  C154 | E.1/89 AND  E.1/90 AND  E.1/124 AND  E.1/218 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C121 AND  C154 AND  C183 | E.1/89 AND  E.1/90 AND  E.1/124 AND  E.1/218 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 2.3 | Text attribute – right alignment | Rel-5 | Rel-7 | C121 AND  C155 | E.1/89 AND  E.1/90 AND  E.1/124 AND  E.1/219 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C121 AND  C155 AND  C183 | E.1/89 AND  E.1/90 AND  E.1/124 AND  E.1/219 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 2.4 | Text attribute – large font size | Rel-5 | Rel-7 | C121 AND  C157 AND  C156 | E.1/89 AND  E.1/90 AND  E.1/124 AND  E.1/221 AND  E.1/220 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C121 AND  C157 AND  C156 AND  C183 | E.1/89 AND  E.1/90 AND  E.1/124 AND  E.1/221 AND  E.1/220 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 2.5 | Text attribute – small font size | Rel-5 | Rel-7 | C121 AND  C158 AND  C156 | E.1/89 AND  E.1/90 AND  E.1/124 AND  E.1/222 AND  E.1/220 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C121 AND  C158 AND  C156 AND  C183 | E.1/89 AND  E.1/90 AND  E.1/124 AND  E.1/222 AND  E.1/220 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 2.6 | Text attribute – bold on | Rel-5 | Rel-7 | C121 AND  C160 AND  C159 | E.1/89 AND  E.1/90 AND  E.1/124 AND  E.1/225 AND  E.1/226 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C121 AND  C160 AND  C159 AND  C183 | E.1/89 AND  E.1/90 AND  E.1/124 AND  E.1/225 AND  E.1/226 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 2.7 | Text attribute – italic on | Rel-5 | Rel-7 | C121 AND  C161 AND  C159 | E.1/89 AND  E.1/90 AND  E.1/124 AND  E.1/225 AND  E.1/227 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C121 AND  C161 AND  C159 AND  C183 | E.1/89 AND  E.1/90 AND  E.1/124 AND  E.1/225 AND  E.1/227 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 2.8 | Text attribute – underline on | Rel-5 | Rel-7 | C121 AND  C162 AND  C159 | E.1/89 AND  E.1/90 AND  E.1/124 AND  E.1/225 AND  E.1/228 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C121 AND  C162 AND  C159 AND  C183 | E.1/89 AND  E.1/90 AND  E.1/124 AND  E.1/225 AND  E.1/228 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 2.9 | Text attribute – strikethrough on | Rel-5 | Rel-7 | C121 AND  C163 AND  C159 | E.1/89 AND  E.1/90 AND  E.1/124 AND  E.1/225 AND  E.1/229 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C121 AND  C163 AND  C159 AND  C183 | E.1/89 AND  E.1/90 AND  E.1/124 AND  E.1/225 AND  E.1/229 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 2.10 | Text attribute – foreground and background colours | Rel-5 | Rel-7 | C121 AND  C164 AND  C165 | E.1/89 AND  E.1/90 AND  E.1/124 AND  E.1/230 AND  E.1/231 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C121 AND  C164 AND  C165 AND  C183 | E.1/89 AND  E.1/90 AND  E.1/124 AND  E.1/230 AND  E.1/231 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | TBD | Frames | Rel-6 |  |  | E.1/89 AND  E.1/98 AND  E.1/177 AND  E.1/178 AND  E.1/110 | TBD |  |  |
|  | 3.1 | Default EPS bearer, successful | Rel-8 | Rel-12 | C182 | E.1/89 AND  E.1/90 | E-USS or  NB-SS  (See NOTE) |  |  |
|  | Rel-13 |  | C224 | E.1/89 AND  E.1/90 | E-USS or  NB-SS  (See NOTE) |  |  |
|  | 3.2 | EPS bearer with APN different from default APN, successful | Rel-8 | Rel-12 | C182 | E.1/89 AND  E.1/90 | E-USS or  NB-SS  (See NOTE) |  | TCEP001, TCEP002 |
|  | Rel-13 |  | C224 | E.1/89 AND  E.1/90 | E-USS or  NB-SS  (See NOTE) |  | TCEP001, TCEP002 |
|  | 3.3 | CLOSE CHANNEL, Command qualifier set to 1 | Rel-8 |  | C230 | E.1/89 AND  E.1/90 | E-USS or  NB-SS  (See NOTE) |  |  |
|  | 4.1 | CLOSE CHANNEL, NG-RAN, bearer type '03' – Default PDU Session, successful. | Rel-15 |  | C232 | E.1/89 AND  E.1/281 | NG-SS only |  |  |
|  | 4.2 | CLOSE CHANNEL, NG-RAN, bearer type '0C',successful. | Rel-15 |  | C232 | E.1/89 AND  E.1/281 | NG-SS only |  |  |
| 27.22.4.29 |  | **RECEIVE DATA** |  |  |  |  |  |  |  |
|  | 1.1 | already opened channel | R99 | Rel-7 | C121 | E.1/89 AND  E.1/91 AND  E.1/92 | USS or  SS only |  | AER008 |
|  | Rel-8 |  | C121 AND  C183 | E.1/89 AND  E.1/91 AND  E.1/92 | USS or  SS only |  | AER008 |
|  | 1.2 | Already opened channel – E-UTRAN, APN different from default | Rel-8 |  | C182 | E.1/89 AND  E.1/91 AND  E.1/92 | E-USS or  NB-SS  (See NOTE) |  |  |
|  | 1.3 | the length of receive data exceeding the buffer size. | Rel-15 |  | C232 | E.1/89 AND  E.1/281 | NG-SS only |  |  |
|  | 1.4 | receiving 65535 Bytes of data. | Rel-16 |  | C232 | E.1/89 AND  E.1/281 | NG-SS only |  |  |
|  | 1.5 | send refresh after receiving data. | Rel-16 |  | C232 | E.1/89 AND  E.1/281 | NG-SS only |  |  |
|  | 1.6 | Void |  |  |  |  |  |  |  |
|  | 1.7 | 2 consecutive RECEIVE DATA | Rel-16 |  | C232 | E.1/89 AND  E.1/281 | NG-SS only |  |  |
|  | 2.1 | Text attribute – left alignment | Rel-5 | Rel-7 | C121 AND  C153 | E.1/89 AND  E.1/91 AND  E.1/92 AND  E.1/124 AND  E.1/217 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C121 AND  C153 AND  C183 | E.1/89 AND  E.1/91 AND  E.1/92 AND  E.1/124 AND  E.1/217 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 2.2 | Text attribute – center alignment | Rel-5 | Rel-7 | C121 AND  C154 | E.1/89 AND  E.1/91 AND  E.1/124 AND  E.1/218 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C121 AND  C154 AND  C183 | E.1/89 AND  E.1/91 AND  E.1/124 AND  E.1/218 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 2.3 | Text attribute – right alignment | Rel-5 | Rel-7 | C121 AND  C155 | E.1/89 AND  E.1/91 AND  E.1/124 AND  E.1/219 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C121 AND  C155 AND  C183 | E.1/89 AND  E.1/91 AND  E.1/124 AND  E.1/219 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 2.4 | Text attribute – large font size | Rel-5 | Rel-7 | C121 AND  C157 AND  C156 | E.1/89 AND  E.1/91 AND  E.1/124 AND  E.1/221 AND  E.1/220 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C121 AND  C157 AND  C156 AND  C183 | E.1/89 AND  E.1/91 AND  E.1/124 AND  E.1/221 AND  E.1/220 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 2.5 | Text attribute – small font size | Rel-5 | Rel-7 | C121 AND  C158 AND  C156 | E.1/89 AND  E.1/91 AND  E.1/124 AND  E.1/222 AND  E.1/220 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C121 AND  C158 AND  C156 AND  C183 | E.1/89 AND  E.1/91 AND  E.1/124 AND  E.1/222 AND  E.1/220 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 2.6 | Text attribute – bold on | Rel-5 | Rel-7 | C121 AND  C160 AND  C159 | E.1/89 AND  E.1/91 AND  E.1/124 AND  E.1/225 AND  E.1/226 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C121 AND  C160 AND  C159 AND  C183 | E.1/89 AND  E.1/91 AND  E.1/124 AND  E.1/225 AND  E.1/226 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 2.7 | Text attribute – italic on | Rel-5 | Rel-7 | C121 AND  C161 AND  C159 | E.1/89 AND  E.1/91 AND  E.1/124 AND  E.1/225 AND  E.1/227 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C121 AND  C161 AND  C159 AND  C183 | E.1/89 AND  E.1/91 AND  E.1/124 AND  E.1/225 AND  E.1/227 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 2.8 | Text attribute – underline on | Rel-5 | Rel-7 | C121 AND  C162 AND  C159 | E.1/89 AND  E.1/91 AND  E.1/124 AND  E.1/225 AND  E.1/228 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C121 AND  C162 AND  C159 AND  C183 | E.1/89 AND  E.1/91 AND  E.1/124 AND  E.1/225 AND  E.1/228 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 2.9 | Text attribute – strikethrough on | Rel-5 | Rel-7 | C121 AND  C163 AND  C159 | E.1/89 AND  E.1/91 AND  E.1/124 AND  E.1/225 AND  E.1/229 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C121 AND  C163 AND  C159 AND  C183 | E.1/89 AND  E.1/91 AND  E.1/124 AND  E.1/225 AND  E.1/229 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 2.10 | Text attribute– foreground and background colours | Rel-5 | Rel-7 | C121 AND  C164 AND  C165 | E.1/89 AND  E.1/91 AND  E.1/124 AND  E.1/230 AND  E.1/231 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C121 AND  C164 AND  C165 AND  C183 | E.1/89 AND  E.1/91 AND  E.1/124 AND  E.1/230 AND  E.1/231 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | TBD | Frames | Rel-6 |  |  | E.1/89 AND  E.1/91 AND  E.1/177 AND  E.1/178 AND  E.1/110 | TBD |  |  |
| 27.22.4.30 |  | **SEND DATA** |  |  |  |  |  |  |  |
|  | 1.1 | immediate mode | R99 | Rel-7 | C121 | E.1/89 AND  E.1/92 | USS or  SS only |  |  |
|  | Rel-8 |  | C121 AND  C183 | E.1/89 AND  E.1/92 | USS or  SS only |  |  |
|  | 1.2 | Store mode | R99 | Rel-7 | C121 | E.1/89 AND  E.1/92 | USS or  SS only |  |  |
|  | Rel-8 |  | C121 AND  C183 | E.1/89 AND  E.1/92 | USS or  SS only |  |  |
|  | 1.3 | Store mode, Tx buffer fully used | R99 | Rel-7 | C121 | E.1/89 AND  E.1/92 | USS or  SS only |  |  |
|  | Rel-8 |  | C121 AND  C183 | E.1/89 AND  E.1/92 | USS or  SS only |  |  |
|  | 1.4 | 2 consecutive SEND DATA Store mode | R99 | Rel-7 | C121 | E.1/89 AND  E.1/92 | USS or  SS only |  |  |
|  | Rel-8 |  | C121 AND  C183 | E.1/89 AND  E.1/92 | USS or  SS only |  |  |
|  | 1.5 | immediate mode with a bad channel identifier | R99 | Rel-7 | C121 | E.1/89 AND  E.1/92 | USS or  SS only |  |  |
|  | Rel-8 |  | C121 AND  C183 | E.1/89 AND  E.1/92 | USS or  SS only |  |  |
|  | 1.6 | void |  |  |  |  |  |  |  |
|  | 2.1 | Text attribute– left alignment | Rel-5 | Rel-7 | C121 AND  C153 | E.1/89 AND  E.1/92 AND  E.1/124 AND  E.1/217 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C121 AND  C153 AND  C183 | E.1/89 AND  E.1/92 AND  E.1/124 AND  E.1/217 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 2.2 | Text attribute – center alignment | Rel-5 | Rel-7 | C121 AND  C154 | E.1/89 AND  E.1/92 AND  E.1/124 AND  E.1/218 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C121 AND  C154 AND  C183 | E.1/89 AND  E.1/92 AND  E.1/124 AND  E.1/218 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 2.3 | Text attribute – right alignment | Rel-5 | Rel-7 | C121 AND  C155 | E.1/89 AND  E.1/92 AND  E.1/124 AND  E.1/219 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C121 AND  C155 AND  C183 | E.1/89 AND  E.1/92 AND  E.1/124 AND  E.1/219 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 2.4 | Text attribute – large font size | Rel-5 | Rel-7 | C121 AND  C157 AND  C156 | E.1/89 AND  E.1/92 AND  E.1/124 AND  E.1/221 AND  E.1/220 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C121 AND  C157 AND  C156 AND  C183 | E.1/89 AND  E.1/92 AND  E.1/124 AND  E.1/221 AND  E.1/220 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 2.5 | Text attribute – small font size | Rel-5 | Rel-7 | C121 AND  C158 AND  C156 | E.1/89 AND  E.1/92 AND  E.1/124 AND  E.1/222 AND  E.1/220 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C121 AND  C158 AND  C156 AND  C183 | E.1/89 AND  E.1/92 AND  E.1/124 AND  E.1/222 AND  E.1/220 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 2.6 | Text attribute – bold on | Rel-5 | Rel-7 | C121 AND  C160 AND  C159 | E.1/89 AND  E.1/92 AND  E.1/124 AND  E.1/225 AND  E.1/226 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C121 AND  C160 AND  C159 AND  C183 | E.1/89 AND  E.1/92 AND  E.1/124 AND  E.1/225 AND  E.1/226 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 2.7 | Text attribute – italic on | Rel-5 | Rel-7 | C121 AND  C161 AND  C159 | E.1/89 AND  E.1/92 AND  E.1/124 AND  E.1/225 AND  E.1/227 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C121 AND  C161 AND  C159 AND  C183 | E.1/89 AND  E.1/92 AND  E.1/124 AND  E.1/225 AND  E.1/227 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 2.8 | Text attribute – underline on | Rel-5 | Rel-7 | C121 AND  C162 AND  C159 | E.1/89 AND  E.1/92 AND  E.1/124 AND  E.1/225 AND  E.1/228 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C121 AND  C162 AND  C159 AND  C183 | E.1/89 AND  E.1/92 AND  E.1/124 AND  E.1/225 AND  E.1/228 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 2.9 | Text attribute – strikethrough on | Rel-5 | Rel-7 | C121 AND  C163 AND  C159 | E.1/89 AND  E.1/92 AND  E.1/124 AND  E.1/225 AND  E.1/229 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C121 AND  C163 AND  C159 AND  C183 | E.1/89 AND  E.1/92 AND  E.1/124 AND  E.1/225 AND  E.1/229 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 2.10 | Text attribute– foreground and background colours | Rel-5 | Rel-7 | C121 AND  C164 AND  C165 | E.1/89 AND  E.1/92 AND  E.1/124 AND  E.1/230 AND  E.1/231 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C121 AND  C164 AND  C165 AND  C183 | E.1/89 AND  E.1/92 AND  E.1/124 AND  E.1/230 AND  E.1/231 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | TBD | Frames | Rel-6 |  |  | E.1/89 AND  E.1/92 AND  E.1/177 AND  E.1/178 AND  E.1/110 | TBD |  |  |
|  | 3.1 | Immediate mode – E-UTRAN, Default EPS bearer | Rel-8 | Rel-12 | C182 | E.1/89 AND  E.1/92 | E-USS or  NB-SS  (See NOTE) |  |  |
|  | Rel-13 |  | C223 | E.1/89 AND  E.1/92 | E-USS or  NB-SS  (See NOTE) |  |  |
|  | 3.2 | Store mode – E-UTRAN, APN different from default APN | Rel-8 | Rel-12 | C182 | E.1/89 AND  E.1/92 | E-USS or  NB-SS  (See NOTE) |  |  |
|  | Rel-13 |  | C224 | E.1/89 AND  E.1/92 | E-USS or  NB-SS  (See NOTE) |  |  |
|  | 4.1 | NG-RAN, bearer type '03' – Default PDU Session, immediate mode | Rel-16 |  | C232 | E.1/89 AND  E.1/281 | NG-SS only |  |  |
|  | 4.2 | SEND DATA, NG-RAN, bearer type '0C', Store mode | Rel-16 |  | C232 | E.1/89 AND  E.1/281 | NG-SS only |  |  |
| 27.22.4.31 |  | **GET CHANNEL STATUS** |  |  |  |  |  |  |  |
|  | 1.1 | without any BIP channel opened | R99 | Rel-7 | C121 | E.1/93 | USS or  SS only |  |  |
|  | Rel-8 |  | C121 AND  C183 | E.1/93 | USS or  SS only |  |  |
|  | 1.2 | with a BIP channel currently opened | R99 | Rel-7 | C121 | E.1/89 AND  E.1/93 | USS or  SS only |  |  |
|  | Rel-8 |  | C121 AND  C183 | E.1/89 AND  E.1/93 | USS or  SS only |  |  |
|  | 1.3 | after a link dropped | R99 | Rel-7 | C121 | E.1/89 AND  E.1/93 | USS or  SS only |  |  |
|  | Rel-8 |  | C121 AND  C183 | E.1/89 AND  E.1/93 | USS or  SS only |  |  |
|  | 1.4 | EPS bearer with APN different from default APN | Rel-8 | Rel-12 | C182 | E.1/89 AND  E.1/93 | E-USS or  NB-SS  (See NOTE) |  |  |
|  | Rel-13 |  | C224 | E.1/89 AND  E.1/93 | E-USS or  NB-SS  (See NOTE) |  |  |
|  | 1.5 | EPS bearer with APN different from default APN, after a link dropped | Rel-8 | Rel-12 | C182 | E.1/89 AND  E.1/93 | E-USS or  NB-SS  (See NOTE) |  |  |
|  | Rel-13 |  | C224 | E.1/89 AND  E.1/93 | E-USS or  NB-SS  (See NOTE) |  |  |
|  | 1.6 | after a link dropped during receiving data | Rel-15 |  | C232 | E.1/89 AND  E.1/281 | NG-SS only |  |  |
| 27.22.5 |  | **DATA DOWNLOAD TO UICC** |  |  |  |  |  |  |  |
| 27.22.5.1 |  | **SMS-PP DATA DOWNLOAD** |  |  |  |  |  |  |  |
|  | 1.1 - 1.8 | void |  |  |  |  |  |  |  |
|  | 1.9 | SMS-PP Data Download over CS, UTRAN/GERAN | R99 | Rel-7 | C211 | E.1/2 | USS or  SS |  | TCEP001 |
|  | Rel-8 |  | C212 | E.1/2 | USS or  SS |  | TCEP001 |
| 27.22.5.2 |  | **CELL BROADCAST DATA DOWNLOAD** |  |  |  |  |  |  |  |
|  | 1.1 | Cell Broadcast(GSM) - ME does not display message | R99 |  | C201 | E.1/3 | SS only |  |  |
|  | 1.2 | void |  |  |  |  |  |  |  |
|  | 1.3 | Cell Broadcast(GSM) - ME displays message | R99 |  | C201 AND  C177 | E.1/3 AND  E.1/110 | SS only |  |  |
|  | 1.4 | Cell Broadcast(UTRAN) - ME does not display message | Rel-5 |  |  | E.1/3 | USS only |  |  |
|  | 1.5 | Cell Broadcast(UTRAN) -More time | Rel-5 |  |  | E.1/3 AND  E.1/20 | USS only |  |  |
|  | 1.6 | Cell Broadcast(UTRAN) - ME displays message | Rel-5 |  |  | E.1/3 | USS only |  |  |
|  | 1.7 | Cell Broadcast(GSM) - More time (UDH) | R99 |  | C201 | E.1/3 AND  E.1/20 | SS only |  |  |
| 27.22.5.3 |  | **SMS-PP DATA DOWNLOAD** |  |  |  |  |  |  |  |
|  | 3.1 | SMS-PP Data Download over IMS, E-UTRAN | Rel-8 |  | C198 | E.1/2 | E-USS only |  | TCEP001 |
|  | 3.2 | SMS-PP Data Download over IMS, UTRAN | Rel-7 |  | C199 | E.1/2 | USS only |  | TCEP001 |
| 27.22.5.4 |  | **SMS-PP DATA DOWNLOAD over SGs in E-UTRAN** |  |  |  |  |  |  |  |
|  | 4.1 | SMS-PP Data Download over SGs, E-UTRAN | Rel-8 |  | C205 | E.1/2 | E-USS or  NB-SS  (See NOTE) |  | TCEP001 |
| 27.22.6 |  | **CALL CONTROL BY USIM** |  |  |  |  |  |  |  |
|  | 1.1, 1.2, 1.4, 1.6, 1.8 to 1.14 | Procedure for MO calls (Cell identity in envelope call control) | R99 | Rel-7 | C180 | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/29 AND  E.1/64 | USS or  SS only |  |  |
|  | Rel-8 |  | C180 AND  C183 | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/29 AND  E.1/64 | USS or  SS only |  |  |
|  | 1.3A, 1.5A, 1.7A | Procedure for MO calls (Cell identity in envelope call control) | R99 | Rel-7 | C140 AND  C177 AND  C178 AND  C180 | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/29 AND  E.1/64 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | Rel-8 |  | C140 AND  C177 AND  C178 AND  C180 AND  C183 | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/29 AND  E.1/64 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | 1.3B, 1.7B | Procedure for MO calls (Cell identity in envelope call control) | R99 | Rel-7 | C141 AND  C177 AND  C178 AND  C180 | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/29 AND  E.1/64 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | Rel-8 |  | C141 AND  C177 AND  C178 AND  C180 AND  C183 | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/29 AND  E.1/64 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | 1.5B | Procedure for MO calls (Cell identity in envelope call control) | R99 | Rel-7 | C141 AND  C180 | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/29 AND  E.1/64 | USS or  SS only |  |  |
|  | Rel-8 |  | C141 AND  C180 AND  C183 | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/29 AND  E.1/64 | USS or  SS only |  |  |
|  | 2.1, 2.2, 2.3, 2.4 | Procedure for SS (Cell identity in envelope call control) | R99 | Rel-7 | C174 | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 | USS or  SS only |  |  |
|  | Rel-8 |  | C174 AND  C183 | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 | USS or  SS only |  |  |
|  | 3.1, 3.2, 3.3, 3.4, 3.5 | Interaction with FDN (Cell identity in envelope call control) | R99 | Rel-7 | C146 AND  C180 | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 | USS or  SS only |  |  |
|  | Rel-8 |  | C146 AND  C180 AND  C183 | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 | USS or  SS only |  |  |
|  | 4.1 | BDN service enabled | R99 | Rel-7 | C147 AND  C177 AND  C178 AND  C180 | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | Rel-8 |  | C147 AND  C177 AND  C178 AND  C180 AND  C183 | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
|  | 4.2A | BDN service enabled, interaction with emergency call codes, R99 only | R99 |  | C147 AND  C180 | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 | USS or  SS only |  |  |
|  | Rel-4 |  |  | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 | USS or  SS only |  |  |
|  | 4.2B | BDN service enabled, interaction with emergency call codes, Rel-4+ | Rel-4 | Rel-7 | C147 AND  C180 | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 ND E.1/64 | USS or  SS only |  |  |
|  | Rel-8 |  | C147 AND  C180 AND  C183 | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 ND E.1/64 | USS or  SS only |  |  |
|  | 4.3 | FDN and BDN enabled, set up a call in EFFDN, Allowed with modifications | R99 | Rel-7 | C146 AND  C147 AND  C177 AND  C180 | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 AND  E.1/110 | USS or  SS only |  |  |
|  | Rel-8 |  | C146 AND  C147 AND  C177 AND  C180 AND  C183 | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 AND  E.1/110 | USS or  SS only |  |  |
|  | TBD | Call control on GPRS | Rel-5 |  |  | E.1/98 AND  E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 | TBD |  |  |
|  | 5.1 | BDN service enabled, ME not supporting BDN | R99 | Rel-4 |  | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 | USS or  SS only |  |  |
|  | Rel-5 | Rel-7 | C176 AND  C180 | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 | USS or  SS only |  |  |
|  | Rel-8 |  | C176 AND  C180 AND  C183 | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 | USS or  SS only |  |  |
| 27.22.7 |  | **EVENT DOWNLOAD** |  |  |  |  |  |  |  |
| 27.22.7.1 | 1.1 | MT call event | R99 | Rel-7 | C180 | E.1/34 AND  E.1/33 | USS or  SS only |  |  |
|  |  |  | Rel-8 |  | C180 AND  C183 | E.1/34 AND  E.1/33 | USS or  SS only |  |  |
| 27.22.7.2.1 | 1.1 | call connected event | R99 | Rel-7 | C180 | E.1/35 AND  E.1/33 | USS or  SS only |  |  |
|  |  |  | Rel-8 |  | C180 AND  C183 | E.1/35 AND  E.1/33 | USS or  SS only |  |  |
| 27.22.7.2.1 | 1.2 | call connected event (simultaneous call MT-MO) | Rel-12 |  | C180 AND  C183 |  | USS or  SS only |  |  |
| 27.22.7.2.1 | 1.3 | call connected event (simultaneous call MO-MO) | Rel-12 |  | C180 AND  C183 |  | USS or  SS only |  |  |
| 27.22.7.2.1 | 1.4 | call connected event (simultaneous call MO-MT) | Rel-12 |  | C180 AND  C183 |  | USS or  SS only |  |  |
| 27.22.7.2.2 | 2.1 | ME supporting SET UP CALL | R99 | Rel-7 | C177 AND  C178 AND  C180 | E.1/35 AND  E.1/29 AND  E.1/33 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
| Rel-8 |  | C177 AND  C178 AND  C180 AND  C183 | E.1/35 AND  E.1/29 AND  E.1/33 AND  E.1/110 AND  E.1/111 | USS or  SS only |  |  |
| 27.22.7.3 | 1.1 | call disconnected event | R99 | Rel-7 | C180 | E.1/36 AND  E.1/33 | USS or  SS only |  |  |
| Rel-8 |  | C180 AND  C183 | E.1/36 AND  E.1/33 | USS or  SS only |  |  |
| 27.22.7.4 | 1.1 | location status event | R99 | Rel-7 | M | E.1/37 AND  E.1/33 | USS or  SS only |  | AER002 |
| Rel-8 |  | C183 | E.1/37 AND  E.1/33 | USS or  SS only |  | AER002 |
| 27.22.7.4 | 1.2 | location status event, E-UTRAN | Rel-8 | Rel-12 | C190 | E.1/37 AND  E.1/33 AND  E.1/135 | E-USS or  NB-SS  (See NOTE) |  |  |
| Rel-13 |  | C222 | E.1/37 AND  E.1/33 AND  E.1/135 | E-USS or  NB-SS  (See NOTE) |  |  |
| 27.22.7.4 | 1.3 | location status event, NG-RAN | Rel-15 |  | C231 | E.1/37 AND  E.1/33 | NG-SS only |  |  |
| 27.22.7.5 | 1.1 | user activity event | R99 |  | C178 | E.1/38 AND  E.1/33 AND  E.1/111 | No |  |  |
| 27.22.7.6 | 1.1 | idle screen available event | R99 |  | C177 AND  C178 | E.1/39 AND  E.1/33 AND  E.1/110 AND  E.1/111 | Yes |  |  |
| 27.22.7.7.1 | 1.1 | Card reader status normal | R99 |  | C109 | E.1/40 AND  E.1/33 | No |  |  |
| 27.22.7.7.2 | 2.1 | Detachable card reader | R99 |  | C116 | E.1/40 AND  E.1/33 | No |  |  |
| 27.22.7.8 | 1.1 | Language selection event | R99 |  | C177 AND  C178 AND  C181 AND  C216 | E.1/41 AND  E.1/33 AND  E.1/110 AND  E.1/111 | No |  |  |
| 27.22.7.9 | 1.1 | Browser termination event | R99 |  | C193 AND  C177 AND  C178 | E.1/42 AND  E.1/33 AND  E.1/110 AND  E.1/111 | Yes |  |  |
| 27.22.7.10 | 1.1 | Data available event | R99 | Rel-8 | C121 | E.1/43 AND  E.1/89 AND  E.1/92 AND  E.1/33 | USS or  SS only |  |  |
| Rel-9 |  | C121 AND  C183 | E.1/43 AND  E.1/89 AND  E.1/92 AND  E.1/33 | USS or  SS only |  |  |
| 27.22.7.10 | 1.2 | Data available event | Rel-8 | Rel-12 |  | E.1/43 AND  E.1/89 AND  E.1/92 AND  E.1/33 | E-USS or  NB-SS  (See NOTE) |  |  |
| Rel-13 |  | C223 | E.1/43 AND  E.1/89 AND  E.1/92 AND  E.1/33 | E-USS or  NB-SS  (See NOTE) |  |  |
| 27.22.7.10 | 1.3 | Data available event | Rel-8 | Rel-13 |  | E.1/43 AND  E.1/89 AND  E.1/92 AND  E.1/33 | E-USS or  NB-SS  (See NOTE) |  | TCEP003 |
| Rel-14 |  | C225 | E.1/43 AND  E.1/89 AND  E.1/92 AND  E.1/33 | E-USS or  NB-SS  (See NOTE) |  | TCEP003 |
| 27.22.7.10 | 1.4 | Data available event | Rel-8 | Rel-13 |  | E.1/43 AND  E.1/89 AND  E.1/92 AND  E.1/33 | E-USS or  NB-SS  (See NOTE) |  | TCEP003 |
| Rel-14 |  | C226 | E.1/43 AND  E.1/89 AND  E.1/92 AND  E.1/33 | E-USS or  NB-SS  (See NOTE) |  | TCEP003 |
| 27.22.7.10 | 1.5 | Data available event | Rel-8 | Rel-13 |  | E.1/43 AND  E.1/89 AND  E.1/92 AND  E.1/33 | E-USS or  NB-SS  (See NOTE) |  | TCEP004 |
| Rel-14 |  | C227 | E.1/43 AND  E.1/89 AND  E.1/92 AND  E.1/33 | E-USS or  NB-SS  (See NOTE) |  | TCEP004 |
| 27.22.7.11 | 1.1 | Channel status event | R99 | Rel-7 | C121 | E.1/44 AND  E.1/89 AND  E.1/33 | USS or  SS only |  |  |
| Rel-8 |  | C121 AND  C183 | E.1/44 AND  E.1/89 AND  E.1/33 | USS or  SS only |  |  |
| 27.22.7.11 | 1.2 | Channel status event | Rel-8 | Rel-12 |  | E.1/44 AND  E.1/89 AND  E.1/33 | E-USS or  NB-SS  (See NOTE) |  |  |
| Rel-13 |  | C223 | E.1/44 AND  E.1/89 AND  E.1/33 | E-USS or  NB-SS  (See NOTE) |  |  |
| 27.22.7.12 |  | Access Technology change event |  |  |  |  |  |  |  |
|  | 1.1 | Single access technology | Rel-8 |  | C184 AND  C190 | E.1/45 AND  E.1/33 | USS and  E-USS |  |  |
|  | 1.3 | Single access technology – WB-S1(Cat M1)/NB-S1 | Rel-13 |  | C167 AND  C222 | E.1/45 AND  E.1/33 | SS and  E-USS/NB-SS |  |  |
|  | 1.4 | Single access technology, NG-RAN | Rel-15 |  | C231 | E.1/45 AND  E.1/33 | NG-SS only |  |  |
|  | TBD | Multiple access technologies | Rel-8 |  | C184 AND  C190 | E.1/45 AND  E.1/33 AND  E.1/200 | TBD |  |  |
| 27.22.7.13 | TBD | Display parameter changed event | Rel-4 |  |  | E.1/46 AND  E.1/33 | TBD |  |  |
| 27.22.7.14 | TBD | Local connection event | Rel-4 |  |  | E.1/47 AND  E.1/33 | TBD |  |  |
| 27.22.7.15 | 1.1 | Network search mode change event | Rel-6 | Rel-8 |  | E.1/48 AND  E.1/33 | No |  |  |
| Rel-9 |  | M | E.1/48 AND  E.1/33 | No |  |  |
| 27.22.7.16 | TBD | Browsing status event | Rel-6 |  |  | E.1/193 AND  E.1/33 | TBD |  |  |
| 27.22.7.17 | 1.1 | Network Rejection Event, ATTACH REJECT | Rel-8 |  | C190 | E.1/33 AND  E.1/197 | E-USS only or  NB-SS  (See NOTE) |  |  |
| 27.22.7.17 | 1.2 | Network Rejection Event, TRACKING AREA UPDATE REJECT | Rel-8 |  | C190 | E.1/33 AND  E.1/197 | E-USS or  NB-SS  (See NOTE) |  |  |
| 27.22.7.17 | 1.3 | Network Rejection Event, REGISTRATION REJECT-Initial Registration | Rel-15 |  | C231 | E.1/33 AND  E.1/197 | NG-SS only |  |  |
| 27.22.7.17 | 1.4 | Network Rejection Event, REGISTRATION REJECT- Mobility Registration updating | Rel-15 |  | C231 | E.1/33 AND  E.1/197 | NG-SS only |  |  |
|  | TBD | Frame information changed event | Rel-6 |  |  | E.1/195 AND  E.1/177 AND  E.1/178 | TBD |  |  |
| 27.22.7.18 | 1.1 | CSG cell Selection | Rel-9 |  | C200 | E.1/201 | E-USS only |  |  |
| 27.22.7.19 | - | IMS registration event (Refer to 27.22.4.27.7 AND  27.22.7.20) | Rel-10 |  |  | - | - |  |  |
| 27.22.7.20 | 1.1 | Incoming IMS data, IMS Registration and Data available event, IARI list stored on the ISIM | Rel-10 |  | C208 | E.1/33 AND  E.1/43 AND  E.1/89 AND  E.1/91 AND  E.1/246 AND  E.1.247 AND  E.1/249 | USS or  E-USS |  |  |
| 27.22.7.21 | 1.1 | EVENT DOWNLOAD – Data Connection Status Change event, E-UTRAN, Activate PDN and Deactivate PDN | Rel-14 |  | C229 | E.1/275 | E-USS or  NB-SS |  |  |
|  | 1.2 | EVENT DOWNLOAD – Data Connection Status Change event, NG-RAN, Activate PDU and Deactivate PDU | Rel-17 |  | C232 | E.1/275 | NG-SS |  |  |
| 27.22.7.22 | 1.1 | EVENT DOWNLOAD – CAG Cell Selection | Rel-17 |  | C235 | E.1/287 | NG-SS only |  |  |
| 27.22.8 |  | **MO SMS Control by USIM** |  |  |  |  |  |  |  |
|  | 1.1 | With proactive command, Allowed , no modification | R99 | Rel-7 | M | E.1/12 AND  E.1/26 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C183 | E.1/12 AND  E.1/26 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 1.2 | With user SMS, Allowed , no modification | R99 | Rel-7 | M | E.1/12 | USS or  SS only |  |  |
|  | Rel-8 |  | C183 | E.1/12 | USS or  SS only |  |  |
|  | 1.3 | With proactive command, Not allowed | R99 | Rel-7 | M | E.1/12 AND  E.1/26 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C183 | E.1/12 AND  E.1/26 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 1.4 | With user SMS, Not allowed | R99 | Rel-7 | M | E.1/12 | USS or  SS only |  |  |
|  | Rel-8 |  | C183 | E.1/12 | USS or  SS only |  |  |
|  | 1.5 | With proactive command, Allowed, with modifications | R99 | Rel-7 | M | E.1/12 AND  E.1/26 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C183 | E.1/12 AND  E.1/26 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 1.6 | With user SMS, Allowed, with modifications | R99 | Rel-7 | M | E.1/12 | USS or  SS only |  |  |
|  | Rel-8 |  | C183 | E.1/12 | USS or  SS only |  |  |
|  | 1.7 | With Proactive command, the USIM responds with '90 00', Allowed, no modification | R99 | Rel-7 | M | E.1/12 AND  E.1/26 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | Rel-8 |  | C183 | E.1/12 AND  E.1/26 AND  E.1/110 | USS or  SS only |  | TCEP001 |
|  | 1.8 | Send Short Message attempt by user, the USIM responds with '90 00', Allowed, no modification | R99 | Rel-7 | M | E.1/12 | USS or  SS only |  |  |
|  | Rel-8 |  | C183 | E.1/12 | USS or  SS only |  |  |
|  | 1.10 | MO SM CONTROL BY USIM over SG in E-UTRAN, with Proactive command, Allowed, no modification | Rel-8 | Rel-12 |  | E.1/12 AND  E.1/26 AND  E.1/110 | E-USS or  NB-SS  (See NOTE) |  | TCEP001 |
|  | Rel-13 |  | C220 | E.1/12 AND  E.1/26 AND  E.1/110 | E-USS or  NB-SS  (See NOTE) |  | TCEP001 |
|  | 1.11 | MO SM CONTROL BY USIM over SG in E-UTRAN, with user SMS, Allowed, no modification | Rel-8 | Rel-12 |  | E.1/12 | E-USS or  NB-SS  (See NOTE) |  |  |
|  | Rel-13 |  | C220 | E.1/12 | E-USS or  NB-SS  (See NOTE) |  |  |
|  | 1.12 | MO SM CONTROL BY USIM over SG in E-UTRAN, with Proactive command, Not allowed | Rel-8 | Rel-12 |  | E.1/12 AND  E.1/26 AND  E.1/110 | E-USS or  NB-SS  (See NOTE) |  | TCEP001 |
|  | Rel-13 |  | C220 | E.1/12 AND  E.1/26 AND  E.1/110 | E-USS or  NB-SS  (See NOTE) |  | TCEP001 |
|  | 1.13 | MO SM CONTROL BY USIM over SG in E-UTRAN, with user SMS, Not allowed | Rel-8 | Rel-12 |  | E.1/12 | E-USS or  NB-SS  (See NOTE) |  |  |
|  | Rel-13 |  | C220 | E.1/12 | E-USS or  NB-SS  (See NOTE) |  |  |
|  | 1.14 | MO SM CONTROL BY USIM over SG in E-UTRAN, with Proactive command, Allowed with modifications' | Rel-8 | Rel-12 |  | E.1/12 AND  E.1/26 AND  E.1/110 | E-USS or  NB-SS  (See NOTE) |  | TCEP001 |
|  | Rel-13 |  | C220 | E.1/12 AND  E.1/26 AND  E.1/110 | E-USS or  NB-SS  (See NOTE) |  | TCEP001 |
|  | 1.15 | MO SM CONTROL BY USIM over SG in E-UTRAN, with user SMS, Allowed with modifications | Rel-8 | Rel-12 |  | E.1/12 | E-USS or  NB-SS  (See NOTE) |  |  |
|  | Rel-13 |  | C220 | E.1/12 | E-USS or  NB-SS  (See NOTE) |  |  |
|  | 1.16 | MO SM CONTROL BY USIM over SG in E-UTRAN, with Proactive command, the USIM responds with '90 00', Allowed, no modification | Rel-8 | Rel-12 |  | E.1/12 AND  E.1/26 AND  E.1/110 | E-USS or  NB-SS  (See NOTE) |  | TCEP001 |
|  | Rel-13 |  | C220 | E.1/12 AND  E.1/26 AND  E.1/110 | E-USS or  NB-SS  (See NOTE) |  | TCEP001 |
|  | 1.17 | MO SM CONTROL BY USIM over SG in E-UTRAN, Send Short Message attempt by user, the USIM responds with '90 00', Allowed, no modification | Rel-8 | Rel-12 |  | E.1/12 | E-USS or  NB-SS  (See NOTE) |  |  |
|  | Rel-13 |  | C220 | E.1/12 | E-USS or  NB-SS  (See NOTE) |  |  |
|  | TBD | **SERVICE SEARCH** | Rel-4 |  |  | E.1/94 | TBD |  |  |
|  | TBD | **GET SERVICE INFORMATION** | Rel-4 |  |  | E.1/95 | TBD |  |  |
|  | TBD | **DECLARE SERVICE** | Rel-4 |  |  | E.1/96 | TBD |  |  |
|  | TBD | **RETRIEVE MULTIMEDIA MESSAGE** | Rel-6 |  |  | E.1/173 | TBD |  |  |
|  | TBD | **SUBMIT MULTIMEDIA MESSAGE** | Rel-6 |  |  | E.1/173 | TBD |  |  |
|  | TBD | **DISPLAY MULTIMEDIA MESSAGE** | Rel-6 |  |  | E.1/173 | TBD |  |  |
|  | TBD | **SET FRAMES** | Rel-6 |  |  | E.1/177 AND  E.1/178 | TBD |  |  |
|  | TBD | **GET FRAME STATUS** | Rel-6 |  |  | E.1/178 AND  E.1/177 | TBD |  |  |
| 27.22.9 |  | **Handling of command number** |  |  |  |  |  |  |  |
|  | 1.1 | DISPLAY TEXT normal priority | R99 |  | C177 | E.1/17 AND  E.1/110 | No |  |  |
| 27.22.10 |  | **Call Control on EPS PDN connection** |  |  |  |  |  |  |  |
|  | 1.1 | CALL CONTROL on EPS PDN for E-UTRAN – default PDN connection activation, allowed without modification | Rel-8 | Rel-13 |  | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 AND  E.1/142 | E-USS or  NB-SS  (See NOTE) |  |  |
|  | Rel-14 |  | C222 | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 AND  E.1/142 | E-USS or  NB-SS  (See NOTE) |  |  |
|  | 1.2 | CALL CONTROL on EPS PDN for E-UTRAN – default PDN connection activation, not allowed | Rel-8 | Rel-13 |  | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 AND  E.1/142 | E-USS or  NB-SS  (See NOTE) |  |  |
|  | Rel-14 |  | C222 | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 AND  E.1/142 | E-USS or  NB-SS  (See NOTE) |  |  |
|  | 1.3 | CALL CONTROL on EPS PDN for E-UTRAN – default PDN connection activation, allowed with modification | Rel-8 | Rel-13 |  | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 | E-USS or  NB-SS  (See NOTE) |  |  |
|  | Rel-14 |  | C222 | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 | E-USS or  NB-SS  (See NOTE) |  |  |
|  | 1.4 | CALL CONTROL on EPS PDN for E-UTRAN – PDN connection triggered by user, UICC sends 90 00 | Rel-8 | Rel-13 |  | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 AND  E.1/142 | E-USS only |  |  |
|  | Rel-14 |  | C190 | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 AND  E.1/142 | E-USS only |  |  |
|  | 1.5 | CALL CONTROL on EPS PDN for E-UTRAN – PDN connection triggered by user, UICC sends 93 00 | Rel-8 | Rel-13 |  | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 AND  E.1/142 | E-USS only |  |  |
|  | Rel-14 |  | C190 | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 AND  E.1/142 | E-USS only |  |  |
|  | 1.6 | CALL CONTROL on EPS PDN for E-UTRAN – PDN connection triggered by user, allowed with modification | Rel-8 | Rel-13 |  | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 | E-USS only |  |  |
|  | Rel-14 |  | C190 | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 | E-USS only |  |  |
|  | 1.7 | CALL CONTROL on EPS PDN - PDN connection activation from OPEN CHANNEL command | Rel-8 | Rel-13 |  | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 AND  E.1/142 | E-USS only |  |  |
|  | Rel-14 |  | C182 | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 AND  E.1/142 | E-USS only |  |  |
| 27.22.11 |  | **Call Control on PDP Context Activation** |  |  |  |  |  |  |  |
|  | 1.1 | CALL CONTROL on PDP Context Activation – default PDP connection activation, allowed without modification | R99 | Rel-13 | N/A | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 AND  E.1/142 | USS or  SS only |  |  |
|  | Rel-14 |  | C183 | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 AND  E.1/142 | USS or  SS only |  |  |
|  | 1.2 | CALL CONTROL on PDP Context Activation – default PDP connection activation, not allowed | R99 | Rel-13 | N/A | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 AND  E.1/142 | USS or  SS only |  |  |
|  | Rel-14 |  | C183 | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 AND  E.1/142 | USS or  SS only |  |  |
|  | 1.3 | CALL CONTROL on PDP Context Activation – default PDP connection activation, allowed with modification | R99 | Rel-13 | N/A | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 AND  E.1/142 | USS or  SS only |  |  |
|  | Rel-14 |  | C183 | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 AND  E.1/142 | USS or  SS only |  |  |
|  | 1.4 | CALL CONTROL on PDP Context Activation – PDP connection triggered by user, UICC sends 90 00 | R99 | Rel-13 | N/A | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 AND  E.1/142 | USS or  SS only |  |  |
|  | Rel-14 |  | C183 | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 AND  E.1/142 | USS or  SS only |  |  |
|  | 1.5 | CALL CONTROL on PDP Context Activation – PDP connection triggered by user, UICC sends 93 00 | R99 | Rel-13 | N/A | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 AND  E.1/142 | USS or  SS only |  |  |
|  | Rel-14 |  | C183 | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 AND  E.1/142 | USS or  SS only |  |  |
|  | 1.6 | CALL CONTROL on PDP Context Activation – PDP connection triggered by user, allowed with modification | R99 | Rel-13 | N/A | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 AND  E.1/142 | USS or  SS only |  |  |
|  | Rel-14 |  | C183 | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 AND  E.1/142 | USS or  SS only |  |  |
|  | 1.7 | CALL CONTROL on PDP Context Activation - PDP connection activation from OPEN CHANNEL command | R99 | Rel-13 | N/A | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 AND  E.1/142 | USS or  SS only |  |  |
|  | Rel-14 |  | C191 AND  C183 | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 AND  E.1/142 | USS or  SS only |  |  |
| 27.22.12 |  | **Change eCall mode** |  |  |  |  |  |  |  |
|  | 1.1 | REFRESH after change eCall mode, disable FDN in EFEST, E-UTRAN | Rel-8 | Rel-13 |  | E.1/24 AND  E.1/2 | E-USS only |  |  |
|  | Rel-14 |  | C190 | E.1/24 AND  E.1/2 | E-USS only |  |  |
|  | 1.2 | REFRESH after change eCall mode, enable FDN in EFEST, E-UTRAN | Rel-8 | Rel-13 |  | E.1/24 AND  E.1/2 | E-USS only |  |  |
|  | Rel-14 |  | C190 | E.1/24 AND  E.1/2 | E-USS only |  |  |
|  | 1.3 | REFRESH after changing eCall mode, disable FDN in EFEST, IMS Emergency Services in E-UTRAN | Rel-14 |  | C202 | E.1/24 AND  E.1/2 | E-USS only |  |  |
|  | 1.4 | REFRESH after changing eCall mode, disable FDN in EFEST, UTRAN/GERAN | Rel-8 | Rel-13 |  | E.1/24 AND  E.1/2 | USS or  SS only |  |  |
|  | Rel-14 |  | C167 | E.1/24 AND  E.1/2 | USS or  SS only |  |  |
|  | 1.5 | REFRESH after change eCall mode, enable FDN in EFEST, UTRAN/GERAN | Rel-8 | Rel-13 |  | E.1/24 AND  E.1/2 | USS or  SS only |  |  |
|  | Rel-14 |  | C167 | E.1/24 AND  E.1/2 | USS or  SS only |  |  |
| 27.22.13 |  | **CALL CONTROL EVENT on NG-RAN for PDU Session Establishment** |  |  |  |  |  |  |  |
|  | 1.1 – 1.6 | CALL CONTROL on PDU Session for NG-RAN, PDU Session Establishment, allowed without modificationPDU Session establishment triggered by User | Rel-15 |  | C231 | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 | NG-SS only |  |  |
|  | 1.2 | CALL CONTROL on PDU Session for NG-RAN, PDU Session Establishment, Not allowed | Rel-15 |  | C231 | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 | NG-SS only |  |  |
|  | 1.3 | CALL CONTROL on PDU Session for NG-RAN, PDU Session Establishment triggered by user, UICC sends 90 00 | Rel-15 |  | C231 | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 | NG-SS only |  |  |
|  | 1.4 | CALL CONTROL on PDU Session for NG-RAN, PDU Session Establishment triggered by user, UICC sends 93 00 | Rel-15 |  | C231 | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 | NG-SS only |  |  |
|  | 1.5 | CALL CONTROL on PDU Session for NG-RAN, PDU Session Establishment triggered by user, allowed with modification of SM PDU DN request container | Rel-15 |  | C234 | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 | NG-SS only |  |  |
|  | 1.6 | CALL CONTROL on PDU Session for NG-RAN, PDU Session Establishment triggered by user, allowed with modification of ePCO | Rel-15 |  | C231 | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 | NG-SS only |  |  |
|  | 1.7 | PDU Session establishment triggered by OPEN CHANNEL | Rel-15 |  | C232 | E.1/7 AND  E.1/8 AND  E.1/10 AND  E.1/11 AND  E.1/13 AND  E.1/64 | NG-SS only |  |  |
| 27.22.14 |  | **SMS-PP Data Download on NAS messages** |  |  |  |  |  |  |  |
| 27.22.14.1 | 1.1 | SMS-PP Data Dowload after UE parameters update data (Routing Indicator Data) via DL NAS TRANSPORT message "acknowledgement not requested" and "re-registration not requested" | Rel-15 |  | C231 | E.1/24 AND  E.1/2 | NG-SS only |  |  |
| 27.22.14.1 | 1.2 | SMS-PP Data Dowload after UE parameters update data (Routing Indicator Data) via DL NAS TRANSPORT message "acknowledgement not requested" and "re-registration requested" | Rel-15 |  | C231 | E.1/24 AND  E.1/2 | NG-SS only |  |  |
| 27.22.14.1 | 1.3 | SMS-PP Data Dowload after UE parameters update data (Routing Indicator Data) via DL NAS TRANSPORT message "acknowledgement requested" and "re-registration requested" | Rel-15 |  | C231 | E.1/24 AND  E.1/2 | NG-SS only |  |  |
| 27.22.14.1 | 1.4 | SMS-PP Data Dowload after UE parameters update data (Routing Indicator Data) via DL NAS TRANSPORT message "acknowledgement requested" and "re-registration not requested" | Rel-15 |  | C231 | E.1/24 AND  E.1/2 | NG-SS only |  |  |
| 27.22.14.2 | 2.1 | SMS-PP Data Download after Steering of Roaming via DL NAS TRANSPORT message with REFRESH command [Steering of Roaming] | Rel-15 |  | C231 | E.1/24 AND  E.1/2 | NG-SS only |  |  |
| 27.22.14.2 | 2.2 | Void | Rel-16 |  |  |  |  |  |  |
| 27.22.14.2 | 2.3 | Steering of Roaming via DL NAS TRANSPORT message with "Acknowledgement requested" and REFRESH command [Steering of Roaming] | Rel-15 |  | C231 | E.1/24 AND E.1/2 | NG-SS only |  |  |
| 27.22.14.2 | 2.4 | SMS-PP Data Download in several ENVELOPE commands after Steering of Roaming via DL NAS TRANSPORT long message with REFRESH command [Steering of Roaming] | Rel-16 |  | C231 | E.1/24 AND  E.1/2 | NG-SS only |  |  |
| 27.22.14.3 | 3.1 | SMS-PP Data Download after Steering of Roaming via REGISTRATION ACCEPT message with REFRESH command [Steering of Roaming] | Rel-15 |  | C231 | E.1/24 AND  E.1/2 | NG-SS only |  |  |
| 27.22.14.3 | 3.2 | Void | Rel-15 |  |  |  |  |  |  |
| 27.22.14.3 | 3.3 | SMS-PP Data Download after Steering of Roaming via REGISTRATION ACCEPT long message with REFRESH command [Steering of Roaming] | Rel-15 |  | C231 | E.1/24 AND  E.1/2 | NG-SS only |  |  |
| NOTE 1: For Rel-13 if the UE supports NB-IoT, this test case shall be verified by accessing the NB System Simulator (NB-SS).  NOTE 2: Blank entries indicate the latest valid release at the time of publication of this specification. | | | | | | | | | |

|  |  |  |
| --- | --- | --- |
| C101 | IF A.1/1 THEN M ELSE N/A | -- O\_Cap\_Conf |
| C102 | void |  |
| C103 | void |  |
| C104 | IF A.1/2 THEN M ELSE N/A | -- O\_Sust\_text |
| C105 | IF A.1/3 AND A.1/41 THEN M ELSE N/A | -- O\_Ucs2\_Entry AND O\_UCS2\_Cyrillic |
| C106 | IF A.1/4 THEN M ELSE N/A | -- O\_Ext\_Str |
| C107 | IF A.1/5 THEN M ELSE N/A | -- O\_Help |
| C108 | IF A.1/6 THEN O.1 ELSE N/A | -- O\_Icons |
| C109 | IF A.1/7 THEN M ELSE N/A | -- O\_Dual\_Slot |
| C110 | IF A.1/9 AND A.1/46 THEN M ELSE N/A | -- O\_Run\_At AND O\_+CIMI |
| C111 | IF (A.1/10 OR E.1/71) THEN M ELSE N/A | -- O\_LB |
| C112 | IF A.1/11 THEN M ELSE N/A | -- O\_Soft\_key |
| C113 | void |  |
| C114 | IF C110 AND C108 THEN O.1 ELSE N/A | -- O\_Run\_At AND O\_+CIMI AND O\_Icons |
| C115 | IF C111 AND C108 THEN M ELSE N/A | -- O\_LB AND O\_Icons |
| C116 | IF A.1/7 AND A.1/8 THEN M ELSE N/A | -- O\_Dual\_Slot AND O\_Detach\_Rdr |
| C117 | void |  |
| C118 | IF A.1/15 AND A.1/41 THEN M ELSE N/A | -- O\_Ucs2\_Disp AND O\_UCS2\_Cyrillic |
| C119 | IF A.1/19 THEN M ELSE N/A | -- O\_Redial |
| C120 | IF A.1/20 THEN M ELSE N/A | -- O\_D\_NoResp |
| C121 | IF A.1/21 AND A.1/17 THEN M ELSE N/A | -- O\_BIP\_GPRS AND O\_UDP |
| C122 | IF C111 AND A.1/16 THEN M ELSE N/A | -- O\_LB AND O\_GPRS |
| C123 | void |  |
| C124 | IF A.1/22, test x.A M ELSE x.B M (where x is the expected sequence number value) | -- O\_CP\_Subaddr |
| C125 | IF A.1/23 THEN M ELSE N/A | -- O\_Imm\_Resp |
| C126 | IF A.1/24 THEN M ELSE N/A | -- O\_Duration |
| C127 | void |  |
| C128 | void |  |
| C129 | void |  |
| C130 | void |  |
| C131 | void |  |
| C132 | IF A.1/27 THEN M ELSE N/A | -- O\_BIP\_Local |
| C133 | void |  |
| C134 | IF A.1/38 THEN M ELSE N/A | -- O\_MMS |
| C135 | void |  |
| C136 | void |  |
| C137 | void |  |
| C138 | void |  |
| C139 | IF A.1/35 THEN M ELSE N/A | -- O\_Batt |
| C140 | IF A.1/39 THEN M ELSE N/A | -- O\_UC\_Before\_EnvCC |
| C141 | IF A.1/40 THEN M ELSE N/A | -- O\_UC\_After\_EnvCC |
| C142 | IF A.1/3 AND A.1/42 THEN M ELSE N/A | -- O\_UCS2\_Entry AND O\_UCS2\_Chinese |
| C143 | IF A.1/15 AND A.1/42 THEN M ELSE N/A | -- O\_UCS2\_Disp AND O\_UCS2\_Chinese |
| C144 | IF A.1/3 AND A.1/43 THEN M ELSE N/A | -- O\_UCS2\_Entry AND O\_UCS2\_Katakana |
| C145 | IF A.1/15 AND A.1/43 THEN M ELSE N/A | -- O\_UCS2\_Disp AND O\_UCS2\_Katakana |
| C146 | IF A.1/45 THEN M ELSE N/A | -- O\_FDN |
| C147 | IF A.1/44 THEN M ELSE N/A | -- O\_BDN |
| C148 | IF A.1/9 AND A.1/47 THEN M ELSE N/A | -- O\_Run\_At AND O\_+CGMI |
| C149 | IF C148 AND C118 THEN M ELSE N/A | -- O\_Run\_At AND O\_+CGMI AND O\_Ucs2\_Disp AND O\_Ucs2\_Cyrillic |
| C150 | IF C148 AND C143 THEN M ELSE N/A | -- O\_Run\_At AND O\_+CGMI AND O\_Ucs2\_Disp AND O\_Ucs2\_Chinese |
| C151 | IF C148 AND C145 THEN M ELSE N/A | -- O\_Run\_At AND O\_+CGMI AND O\_Ucs2\_Disp AND O\_Ucs2\_Katakana |
| C152 | IF C121 AND A.1/49 THEN M ELSE N/A | -- O\_BIP\_GPRS AND O\_UDP AND O\_BUFFER\_SIZE |
| C153 | IF A.1/50 THEN M ELSE N/A | -- O\_TAT\_AL |
| C154 | IF A.1/51 THEN M ELSE N/A | -- O\_TAT\_AC |
| C155 | IF A.1/52 THEN M ELSE N/A | -- O\_TAT\_AR |
| C156 | IF A.1/53 THEN M ELSE N/A | -- O\_TAT\_FSN |
| C157 | IF A.1/54 THEN M ELSE N/A | -- O\_TAT\_FSL |
| C158 | IF A.1/55 THEN M ELSE N/A | -- O\_TAT\_FSS |
| C159 | IF A.1/56 THEN M ELSE N/A | -- O\_TAT\_SN |
| C160 | IF A.1/57 THEN M ELSE N/A | -- O\_TAT\_SB |
| C161 | IF A.1/58 THEN M ELSE N/A | -- O\_TAT\_SI |
| C162 | IF A.1/59 THEN M ELSE N/A | -- O\_TAT\_SU |
| C163 | IF A.1/60 THEN M ELSE N/A | -- O\_TAT\_SS |
| C164 | IF A.1/61 THEN M ELSE N/A | -- O\_TAT\_STFC |
| C165 | IF A.1/62 THEN M ELSE N/A | -- O\_TAT\_STFB |
| C166 | IF A.1/63 THEN test step option n.A M ELSE test step option n.B M | -- O\_longFTN |
| C167 | IF A.1/64 THEN M ELSE N/A | -- O\_GERAN |
| C168 | IF A.1/65 THEN M ELSE N/A | -- O\_Global\_PB |
| C169 | IF (C121 AND A.1/68 THEN test x.A M ELSE IF (C121 AND NOT A.1/68) test x.B M ELSE N/A | -- (O\_BIP\_GPRS AND O\_UDP AND O\_User\_Confirm\_Before\_PDP\_Context\_Request) OR (O\_BIP\_GPRS AND O\_UDP AND NOT O\_User\_Confirm\_Before\_PDP\_Context\_Request) |
| C170 | IF A.1/69 THEN M ELSE N/A | -- O\_Serv\_SS\_HOLD |
| C171 | IF A.1/6 THEN O.2 ELSE N/A | -- O\_Icons |
| C172 | IF A.1/6 THEN O.4 ELSE N/A | -- O\_Icons |
| C173 | IF C110 AND A.1/6 THEN O.2 ELSE N/A | -- O\_Run\_At AND O\_+CIMI AND O\_Icons |
| C174 | IF A.1/78 AND A.1/79 THEN M ELSE N/A | -- O\_AddInfo\_SS AND O\_Serv\_SS\_CFU |
| C175 | IF A.1/78 AND A.1/80 THEN M ELSE N/A | -- O\_AddInfo\_SS AND O\_Serv\_SS\_CLIR |
| C176 | IF A.1/44 THEN N/A ELSE M | -- O\_BDN |
| C177 | IF A.1/84 THEN M ELSE N/A | -- O\_No\_Type\_ND |
| C178 | IF A.1/85 THEN M ELSE N/A | -- O\_No\_Type\_NK |
| C179 | IF A.1/86 THEN M ELSE N/A | -- O\_No\_Type\_NA |
| C180 | IF A.1/87 THEN M ELSE N/A | -- O\_No\_Type\_NS |
| C181 | IF A.1/88 THEN M ELSE N/A | -- O\_No\_Type\_NL |
| C182 | IF A.1/18 AND (A.1/132 OR A.1/133) THEN M ELSE N/A | -- O\_TCP AND (pc\_BIP\_eFDD OR pc\_BIP\_eTDD) |
| C183 | IF (NOT A.1/135) AND (A.1/64 OR A.1/134) THEN M ELSE N/A | -- (NOT O\_EUTRAN\_NO\_UTRAN\_NO\_GERAN) AND (O\_GERAN OR O\_UTRAN) |
| C184 | IF A.1/134 THEN M ELSE N/A | -- O\_UTRAN |
| C185 | IF A.1/6 AND A.1/111 THEN M ELSE N/A | -- O\_Icons AND O\_Icon\_Rec1\_Send\_SS |
| C186 | IF A.1/6 AND A.1/115 THEN M ELSE N/A | -- O\_Icons AND O\_Icon\_Rec2\_Send\_USSD |
| C187 | IF A.1/6 AND A.1/114 THEN M ELSE N/A | -- O\_Icons AND O\_Icon\_Rec1\_Send\_USSD |
| C188 | IF A.1/6 AND A.1/120 THEN M ELSE N/A | -- O\_Icons AND O\_Icon\_Rec1\_Set\_Up\_Idle\_Mode\_Text |
| C189 | IF C110 AND A.1/6 AND A.1/123 THEN M ELSE N/A | -- O\_Run\_At AND O\_+CIMI AND O\_Icons AND O\_Icon\_Rec1\_Run\_AT\_Cmd |
| C190 | IF (A.1/139 OR A.1/140) THEN M ELSE N/A | -- pc\_eTDD OR pc\_eFDD |
| C191 | IF A.1/21 AND A.1/18 THEN M ELSE N/A | -- O\_BIP\_GPRS AND O\_TCP |
| C192 | IF A.1/21 AND A.1/18 AND A.1/72 THEN M ELSE N/A | -- O\_BIP\_GPRS AND O\_TCP AND O\_TCP\_UICC\_ServerMode |
| C193 | IF (A.1/10 OR (E.1/71 AND E.1/42)) AND A.1/193 THEN M ELSE N/A | -- O\_LB AND O\_Browser\_Termination |
| C194 | IF A.1/138 THEN M ELSE N/A | -- O\_Select\_Item\_Default\_Item |
| C195 | IF A.1/137 THEN M ELSE N/A | -- O\_CSG\_Cell\_Discovery |
| C196 | IF A.1/142 AND (A.1/139 OR A.1/140) THEN M ELSE N/A | -- pc\_MO\_SM-over-IMS AND (pc\_eFDD OR pc\_eTDD) |
| C197 | IF A.1/142 AND A.1/134 AND A.1/194 THEN M ELSE N/A | -- pc\_MO\_SM-over-IMS AND O\_UTRAN AND O\_IMS\_UTRAN |
| C198 | IF A.1/141 AND (A.1/139 OR A.1/140) THEN M ELSE N/A | -- pc\_SM-over-IP-receiver AND (pc\_eFDD OR pc\_eTDD) |
| C199 | IF A.1/141 AND A.1/134 AND A.1/194 THEN M ELSE N/A | -- pc\_SM-over-IP-receiver AND O\_UTRAN AND O\_IMS\_UTRAN |
| C200 | IF A.1/136 THEN M ELSE N/A | -- O\_Event\_CSG\_Cell\_Selection |
| C201 | IF A.1/64 AND A.1/149 THEN M ELSE N/A | -- O\_GERAN AND O\_SMS-CB\_Data\_Download |
| C202 | IF (A.1/139 OR A.1/140) AND A.1/150 THEN M ELSE N/A | -- (pc\_eFDD OR pc\_eTDD) AND O\_IMS |
| C203 | IF A.1/134 AND A.1/150 THEN M ELSE N/A | -- O\_UTRAN AND O\_IMS |
| C204 | IF A.1/151 THEN N/A ELSE M | -- O\_PS\_OPMODE |
| C205 | IF (A.1/139 OR A.1/140) AND A.1/152 THEN M ELSE N/A | -- (pc\_eFDD OR pc\_eTDD) AND O\_SMS\_SGs\_MT |
| C206 | IF (A.1/139 OR A.1/140) AND A.1/153 THEN M ELSE N/A | -- (pc\_eFDD OR pc\_eTDD) AND O\_SMS\_SGs\_MO |
| C207 | IF A.1/147 AND A.1/148 AND A.1/150 THEN M ELSE O | -- O\_Event\_IMS\_Registration AND O\_UICC\_ACCESS\_IMS AND O\_IMS |
| C208 | IF A.1/146 AND A.1/147 AND A.1/148 AND A.1/150 THEN M ELSE N/A | -- O\_Event\_Incoming\_IMS\_Data AND O\_Event\_IMS\_Registration AND O\_UICC\_ACCESS\_IMS AND O\_IMS |
| C209 | IF (A.1/157 OR A.1/159) THEN M ELSE N/A | -- (pc\_SMS\_CS\_MO OR pc\_SMS\_PS\_MO) |
| C210 | IF (NOT A.1/135) AND (A.1/64 OR A.1/134) AND (A.1/157 OR A.1/159) THEN M ELSE N/A | -- (NOT (O\_EUTRAN\_NO\_UTRAN\_NO\_GERAN) AND (O\_GERAN OR O\_UTRAN)) AND (pc\_SMS\_CS\_MO OR pc\_SMS\_PS\_MO) |
| C211 | IF (A.1/156 OR A.1/158) THEN M ELSE N/A | -- (pc\_SMS\_CS\_MT OR pc\_SMS\_PS\_MT) |
| C212 | IF (NOT A.1/135) AND (A.1/64 OR A.1/134) AND (A.1/156 OR A.1/158) THEN M ELSE N/A | -- (NOT (O\_EUTRAN\_NO\_UTRAN\_NO\_GERAN) AND (O\_GERAN OR O\_UTRAN)) AND (pc\_SMS\_CS\_MT OR pc\_SMS\_PS\_MT) |
| C213 | IF (NOT A.1/160) THEN M ELSE N/A | -- NOT O\_Rej\_Launch\_Browser\_withDefURL |
| C214 | IF A.1/160 THEN M ELSE N/A | -- O\_Rej\_Launch\_Browser\_withDefURL |
| C215 | IF A.1/16 THEN M ELSE N/A | -- O\_GPRS |
| C216 | IF A.1/161 THEN M ELSE N/A | -- O\_Lang\_Select |
| C217 | IF A.1/162 THEN M ELSE N/A | -- O\_Provide\_Local\_LS |
| C218 | IF A.1/163 THEN M ELSE N/A | -- O\_Lang\_Notif |
| C219 | IF A.1/164 THEN M ELSE N/A | -- O\_Refresh\_AlphaIdentifier |
| C220 | IF (A.1/139 OR A.1/140 OR A.1/173) AND A.1/153 THEN M ELSE N/A | -- (pc\_eFDD OR pc\_eTDD OR pc\_NB) AND O\_SMS\_SGs\_MO |
| C221 | IF (A.1/139 OR A.1/140 OR A.1/173) AND A.1/152 THEN M ELSE N/A | -- (pc\_eFDD OR pc\_eTDD OR pc\_NB) AND O\_SMS\_SGs\_MT |
| C222 | IF (A.1/139 OR A.1/140 OR A.1/173) THEN M ELSE N/A | -- pc\_eTDD OR pc\_eFDD OR pc\_NB |
| C223 | IF A.1/18 AND (A.1/132 OR A.1/133 OR A.1/177) THEN M ELSE N/A | -- O\_TCP AND (pc\_BIP\_eFDD OR pc\_BIP\_eTDD OR pc\_BIP\_NB) |
| C224 | IF A.1/18 AND A.1/178 AND (A.1/132 OR A.1/133 OR A.1/177) THEN M ELSE N/A | -- O\_TCP AND pc\_Multiple\_PDN AND (pc\_BIP\_eFDD OR pc\_BIP\_eTDD OR pc\_BIP\_NB) |
| C225 | IF A.1/18 AND (A.1/132 OR A.1/133 OR A.1/177) AND A.1/182 THEN M ELSE N/A | -- O\_TCP AND (pc\_BIP\_eFDD OR pc\_BIP\_eTDD OR pc\_BIP\_NB) AND O\_PSM\_SUSPEND\_UICC |
| C226 | IF A.1/18 AND (A.1/132 OR A.1/133 OR A.1/177) AND A.1/181 THEN M ELSE N/A | -- O\_TCP AND (pc\_BIP\_eFDD OR pc\_BIP\_eTDD OR pc\_BIP\_NB) AND O\_PSM\_DEAC\_UICC |
| C227 | IF A.1/18 AND (A.1/132 OR A.1/133 OR A.1/177) AND A.1/183 THEN M ELSE N/A | -- O\_TCP AND (pc\_BIP\_eFDD OR pc\_BIP\_eTDD OR pc\_BIP\_NB) AND O\_eDRX\_SUSPEND\_UICC |
| C228 | IF (A.1/132 OR A.1/133) AND A.1/152 AND A.1/184 THEN M ELSE N/A | -- (pc\_BIP\_eFDD OR pc\_BIP\_eTDD) AND O\_SMS\_SGs\_MT AND O\_PS\_Data\_Off |
| C229 | IF (A.1/132 OR A.1/133 OR A.1/177) THEN M ELSE N/A | -- pc\_BIP\_eFDD OR pc\_BIP\_eTDD OR pc\_BIP\_NB |
| C230 | A.1/17 AND A.1/178 AND (A.1/132 OR A.1/133 OR A.1/177) THEN M ELSE N/A | -- O\_UDP AND pc\_Multiple\_PDN AND (pc\_BIP\_eFDD OR pc\_BIP\_eTDD OR pc\_BIP\_NB) |
| C231 | IF A.1/187 THEN M ELSE N/A | -- pc\_NG\_RAN |
| C232 | IF (A.1/187 AND A.1/188) THEN M ELSE N/A | -- pc\_NG\_RAN AND pc\_BIP\_NG\_RAN |
| C233 | IF (A.1/191) THEN M ELSE N/A | --O\_SUPI\_NAI |
| C234 | IF A.1/187 AND A.1/195 THEN M ELSE N/A | -- pc\_NG\_RAN AND O\_Set\_DN\_Specific\_ID |
| C235 | IF (A.1/187 AND A.1/196) THEN M ELSE N/A | -- pc\_NG\_RAN AND pc\_CAG |

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| O.1 | IF A.1/zz tests x.yA M ELSE tests x.yB M (where zz corresponds to the option relating to the command being tested (e.g. A.1/90 if Display Text supports icons as defined in record 1 of EF(IMG)) and x.y is the expected sequence number value) | |
| O.2 | IF A.1/zz tests x.yA M ELSE tests x.yB M (where zz corresponds to the option relating to the command being tested (e.g. A.1/91 if Display Text supports icons as defined in record 2 of EF(IMG)) and x.y is the expected sequence number value) | |
| O.3 | void | |
| O.4 | IF A.1/zz AND A.1/ww tests x.yA M ELSE tests x.yB M (where zz and ww correspond to the option relating to the command being tested (e.g. A.1/90 if Display Text supports icons as defined in record 1 of EF(IMG) and A.1.92 if Display Text supports icons as defined in record 5 of EF(IMG) ) and x.y is the expected sequence number value) | |
|  | | |
| TCEP001 | IF NOT A.1/84 THEN during the test execution, the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified. | |
| TCEP002 | IF NOT A.1/85 THEN the terminal may open the channel without explicit confirmation by the user. | |
| TCEP003 | If A.1/181 and/or A.1/182 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/suspension in PSM shall be provided by the UE manufacturer | |
| TCEP004 | If A.1/183 is supported, in addition to the test case initial conditions, any specific information or particular UE configurations required to ensure that the UE suspends the UICC in eDRX shall be provided by the UE manufacturer | |
| AER001 | IF ((A.1/21 AND A.1/17) AND ((A.1/132 OR A.1/133) AND (A.1/134 OR A.1/64))) THEN R(27.22.4.27.6, Seq. 6.1) ELSE A | -- (O\_BIP\_GPRS AND O\_UDP) AND (pc\_BIP\_eFDD OR pc\_BIP\_eTDD) AND (O\_UTRAN OR O\_GERAN) |
| AER002 | IF ((A.1/132 OR A.1/133 OR A.1/173) AND (A.1/134 OR A.1/64))) THEN R(27.22.7.4 Seq. 1.2) ELSE A | -- (pc\_BIP\_eFDD OR pc\_BIP\_eTDD OR pc\_NB) AND (O\_GERAN OR O\_UTRAN) |
| AER003 | IF ((A.1/132 OR A.1/133) AND (A.1/134 OR A.1/64))) THEN R(27.22.4.15 Seq. 1.17) ELSE A | -- (pc\_BIP\_eFDD OR pc\_BIP\_eTDD) AND (O\_UTRAN OR O\_GERAN) |
| AER004 | IF ((A.1/132 OR A.1/133) AND (A.1/134 OR A.1/64))) THEN R(27.22.4.15 Seq. 1.14) ELSE A | -- (pc\_BIP\_eFDD OR pc\_BIP\_eTDD) AND (O\_UTRAN OR O\_GERAN) |
| AER005 | IF ((A.1/21 AND A.1/17) AND ((A.1/132 OR A.1/133) AND (A.1/134 OR A.1/64))) THEN R(27.22.4.27.6, Seq. 6.4) ELSE A | -- (O\_BIP\_GPRS AND O\_UDP) AND (pc\_BIP\_eFDD OR pc\_BIP\_eTDD) AND (O\_UTRAN OR O\_GERAN) |
| AER006 | IF ((A.1/21 AND A.1/17) AND ((A.1/132 OR A.1/133) AND (A.1/134 OR A.1/64))) THEN R(27.22.4.27.6, Seq. 6.3) ELSE A | -- (O\_BIP\_GPRS AND O\_UDP) AND (pc\_BIP\_eFDD OR pc\_BIP\_eTDD) AND (O\_UTRAN OR O\_GERAN) |
| AER007 | IF ((A.1/21 AND A.1/17) AND ((A.1/132 OR A.1/133) AND (A.1/134 OR A.1/64))) THEN R(27.22.4.27.6, Seq. 6.5) ELSE A | -- (O\_BIP\_GPRS AND O\_UDP) AND (pc\_BIP\_eFDD OR pc\_BIP\_eTDD) AND (O\_UTRAN OR O\_GERAN) |
| AER008 | IF ((A.1/21 AND A.1/17) AND ((A.1/132 OR A.1/133) AND (A.1/134 OR A.1/64))) THEN R(27.22.4.29, Seq. 1.2) ELSE A | -- (O\_BIP\_GPRS AND O\_UDP) AND (pc\_BIP\_eFDD OR pc\_BIP\_eTDD) AND (O\_UTRAN OR O\_GERAN) |