

## Nove pobude za delo v ETSI – MAREC 2022

| Referenčna oznaka   | Naslov  |
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| Doc. Nb. TS 151 013 Ver. 17.0.0<br>Ref. RTS/TSGC-0651013vh00<br>Technical Body: 3GPP CT 6     | Digital cellular telecommunications system (Phase 2+) (GSM);<br>Test specification for Subscriber Identity Module (SIM) Application Programming Interface (API)<br>for Java Card<br>(3GPP TS 51.013 version 17.0.0 Release 17)                                |
| Doc. Nb. TS 151 010-4 Ver. 17.0.0<br>Ref. RTS/TSGC-0651010-4vh00<br>Technical Body: 3GPP CT 6 | Digital cellular telecommunications system (Phase 2+) (GSM);<br>Mobile Station (MS) conformance specification; Part 4: Subscriber Identity Module (SIM)<br>application toolkit conformance test specification<br>(3GPP TS 51.010-4 version 17.0.0 Release 17) |
| Doc. Nb. TS 142 069 Ver. 17.0.0<br>Ref. RTS/TSGS-0142069vh00<br>Technical Body: 3GPP SA 1     | Digital cellular telecommunications system (Phase 2+) (GSM);<br>Voice Broadcast Service (VBS); Stage 1<br>(3GPP TS 42.069 version 17.0.0 Release 17)  |
| Doc. Nb. TS 142 068 Ver. 17.0.0<br>Ref. RTS/TSGS-0142068vh00<br>Technical Body: 3GPP SA 1     | Digital cellular telecommunications system (Phase 2+) (GSM);<br>Voice Group Call Service (VGCS); Stage 1<br>(3GPP TS 42.068 version 17.0.0 Release 17)  |
| Doc. Nb. TS 142 056 Ver. 17.0.0<br>Ref. RTS/TSGS-0142056vh00<br>Technical Body: 3GPP SA 1     | Digital cellular telecommunications system (Phase 2+) (GSM);<br>GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1<br>(3GPP TS 42.056 version 17.0.0 Release 17)  |
| Doc. Nb. TS 142 043 Ver. 17.0.0<br>Ref. RTS/TSGS-0142043vh00<br>Technical Body: 3GPP SA 1     | Digital cellular telecommunications system (Phase 2+) (GSM);<br>Support of Localised Service Area (SoLSA); Service description; Stage 1<br>(3GPP TS 42.043 version 17.0.0 Release 17)   |
| Doc. Nb. TS 138 307 Ver. 17.5.0<br>Ref. RTS/TSGR-0438307vh50<br>Technical Body: 3GPP RAN 4    | 5G;<br>NR; Requirements on User Equipments (UEs) supporting a release-independent frequency band<br>(3GPP TS 38.307 version 17.5.0 Release 17)  |
| Doc. Nb. TS 138 307 Ver. 16.10.0<br>Ref. RTS/TSGR-0438307vga0<br>Technical Body: 3GPP RAN 4   | 5G;<br>NR; Requirements on User Equipments (UEs) supporting a release-independent frequency band<br>(3GPP TS 38.307 version 16.10.0 Release 16)   |

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| Doc. Nb. TS 138 215 Ver. 17.1.0<br>Ref. RTS/TSGR-0138215vh10<br>Technical Body: 3GPP RAN 1  | 5G;<br>NR; Physical layer measurements<br>(3GPP TS 38.215 version 17.1.0 Release 17)             |
| Doc. Nb. TS 138 215 Ver. 16.5.0<br>Ref. RTS/TSGR-0138215vg50<br>Technical Body: 3GPP RAN 1  | 5G;<br>NR; Physical layer measurements<br>(3GPP TS 38.215 version 16.5.0 Release 16)             |
| Doc. Nb. TS 138 214 Ver. 16.9.0<br>Ref. RTS/TSGR-0138214vg90<br>Technical Body: 3GPP RAN 1  | 5G;<br>NR; Physical layer procedures for data<br>(3GPP TS 38.214 version 16.9.0 Release 16)      |
| Doc. Nb. TS 138 214 Ver. 15.16.0<br>Ref. RTS/TSGR-0138214vfg0<br>Technical Body: 3GPP RAN 1 | 5G;<br>NR; Physical layer procedures for data<br>(3GPP TS 38.214 version 15.16.0 Release 15)     |
| Doc. Nb. TS 138 213 Ver. 16.9.0<br>Ref. RTS/TSGR-0138213vg90<br>Technical Body: 3GPP RAN 1  | 5G;<br>NR; Physical layer procedures for control<br>(3GPP TS 38.213 version 16.9.0 Release 16)   |
| Doc. Nb. TS 138 212 Ver. 17.1.0<br>Ref. RTS/TSGR-0138212vh10<br>Technical Body: 3GPP RAN 1  | 5G;<br>NR; Multiplexing and channel coding<br>(3GPP TS 38.212 version 17.1.0 Release 17)         |
| Doc. Nb. TS 138 212 Ver. 16.9.0<br>Ref. RTS/TSGR-0138212vg90<br>Technical Body: 3GPP RAN 1  | 5G;<br>NR; Multiplexing and channel coding<br>(3GPP TS 38.212 version 16.9.0 Release 16)         |
| Doc. Nb. TS 138 211 Ver. 17.1.0<br>Ref. RTS/TSGR-0138211vh10<br>Technical Body: 3GPP RAN 1  | 5G;<br>NR; Physical channels and modulation<br>(3GPP TS 38.211 version 17.1.0 Release 17)        |
| Doc. Nb. TS 138 211 Ver. 16.9.0<br>Ref. RTS/TSGR-0138211vg90<br>Technical Body: 3GPP RAN 1  | 5G;<br>NR; Physical channels and modulation<br>(3GPP TS 38.211 version 16.9.0 Release 16)        |
| Doc. Nb. TS 138 202 Ver. 17.1.0<br>Ref. RTS/TSGR-0138202vh10<br>Technical Body: 3GPP RAN 1  | 5G;<br>NR; Services provided by the physical layer<br>(3GPP TS 38.202 version 17.1.0 Release 17) |

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| Doc. Nb. TS 138 174 Ver. 17.0.0<br>Ref. RTS/TSGR-0438174vh00<br>Technical Body: 3GPP RAN 4     | 5G;<br>NR; Integrated Access and Backhaul (IAB) radio transmission and reception<br>(3GPP TS 38.174 version 17.0.0 Release 17)                         |
| Doc. Nb. TS 138 141-2 Ver. 17.5.0<br>Ref. RTS/TSGR-0438141-2vh50<br>Technical Body: 3GPP RAN 4 | 5G;<br>NR; Base Station (BS) conformance testing Part 2: Radiated conformance testing<br>(3GPP TS 38.141-2 version 17.5.0 Release 17)                  |
| Doc. Nb. TS 138 141-1 Ver. 17.5.0<br>Ref. RTS/TSGR-0438141-1vh50<br>Technical Body: 3GPP RAN 4 | 5G;<br>NR; Base Station (BS) conformance testing Part 1: Conducted conformance testing<br>(3GPP TS 38.141-1 version 17.5.0 Release 17)                 |
| Doc. Nb. TS 138 133 Ver. 17.5.0<br>Ref. RTS/TSGR-0438133vh50<br>Technical Body: 3GPP RAN 4     | 5G;<br>NR; Requirements for support of radio resource management<br>(3GPP TS 38.133 version 17.5.0 Release 17)   |
| Doc. Nb. TS 138 133 Ver. 16.11.0<br>Ref. RTS/TSGR-0438133vgb0<br>Technical Body: 3GPP RAN 4    | 5G;<br>NR; Requirements for support of radio resource management<br>(3GPP TS 38.133 version 16.11.0 Release 16)  |
| Doc. Nb. TS 138 133 Ver. 15.17.0<br>Ref. RTS/TSGR-0438133vfh0<br>Technical Body: 3GPP RAN 4    | 5G;<br>NR; Requirements for support of radio resource management<br>(3GPP TS 38.133 version 15.17.0 Release 15)  |
| Doc. Nb. TS 138 124 Ver. 17.0.0<br>Ref. RTS/TSGR-0438124vh00<br>Technical Body: 3GPP RAN 4     | 5G;<br>NR; Electromagnetic compatibility (EMC) requirements for mobile terminals and ancillary equipment<br>(3GPP TS 38.124 version 17.0.0 Release 17) |
| Doc. Nb. TS 138 104 Ver. 17.5.0<br>Ref. RTS/TSGR-0438104vh50<br>Technical Body: 3GPP RAN 4     | 5G;<br>NR; Base Station (BS) radio transmission and reception<br>(3GPP TS 38.104 version 17.5.0 Release 17)  |
| Doc. Nb. TS 138 104 Ver. 16.11.0<br>Ref. RTS/TSGR-0438104vgb0<br>Technical Body: 3GPP RAN 4    | 5G;<br>NR; Base Station (BS) radio transmission and reception<br>(3GPP TS 38.104 version 16.11.0 Release 16)   |
| Doc. Nb. TS 138 101-4 Ver. 17.4.0<br>Ref. RTS/TSGR-0438101-4vh40<br>Technical Body: 3GPP RAN 4 | 5G;<br>NR; User Equipment (UE) radio transmission and reception; Part 4: Performance requirements<br>(3GPP TS 38.101-4 version 17.4.0 Release 17)      |

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| Doc. Nb. TS 138 101-4 Ver. 16.8.0<br>Ref. RTS/TSGR-0438101-4vg80<br>Technical Body: 3GPP RAN 4  | 5G;<br>NR; User Equipment (UE) radio transmission and reception; Part 4: Performance requirements<br>(3GPP TS 38.101-4 version 16.8.0 Release 16)   |
| Doc. Nb. TS 138 101-4 Ver. 15.13.0<br>Ref. RTS/TSGR-0438101-4vfd0<br>Technical Body: 3GPP RAN 4 | 5G;<br>NR; User Equipment (UE) radio transmission and reception; Part 4: Performance requirements<br>(3GPP TS 38.101-4 version 15.13.0 Release 15)  |
| Doc. Nb. TS 138 101-3 Ver. 17.5.0<br>Ref. RTS/TSGR-0438101-3vh50<br>Technical Body: 3GPP RAN 4  | 5G;<br>NR; User Equipment (UE) radio transmission and reception; Part 3: Range 1 and Range 2<br>Interworking operation with other radios<br>(3GPP TS 38.101-3 version 17.5.0 Release 17)  |
| Doc. Nb. TS 138 101-3 Ver. 16.11.0<br>Ref. RTS/TSGR-0438101-3vgb0<br>Technical Body: 3GPP RAN 4 | 5G;<br>NR; User Equipment (UE) radio transmission and reception; Part 3: Range 1 and Range 2<br>Interworking operation with other radios<br>(3GPP TS 38.101-3 version 16.11.0 Release 16) |
| Doc. Nb. TS 138 101-3 Ver. 15.17.0<br>Ref. RTS/TSGR-0438101-3vfh0<br>Technical Body: 3GPP RAN 4 | 5G;<br>NR; User Equipment (UE) radio transmission and reception; Part 3: Range 1 and Range 2<br>Interworking operation with other radios<br>(3GPP TS 38.101-3 version 15.17.0 Release 15) |
| Doc. Nb. TS 138 101-2 Ver. 17.5.0<br>Ref. RTS/TSGR-0438101-2vh50<br>Technical Body: 3GPP RAN 4  | 5G;<br>NR; User Equipment (UE) radio transmission and reception; Part 2: Range 2 Standalone<br>(3GPP TS 38.101-2 version 17.5.0 Release 17)   |
| Doc. Nb. TS 138 101-2 Ver. 16.11.0<br>Ref. RTS/TSGR-0438101-2vgb0<br>Technical Body: 3GPP RAN 4 | 5G;<br>NR; User Equipment (UE) radio transmission and reception; Part 2: Range 2 Standalone<br>(3GPP TS 38.101-2 version 16.11.0 Release 16)  |
| Doc. Nb. TS 138 101-2 Ver. 15.17.0<br>Ref. RTS/TSGR-0438101-2vfh0<br>Technical Body: 3GPP RAN 4 | 5G;<br>NR; User Equipment (UE) radio transmission and reception; Part 2: Range 2 Standalone<br>(3GPP TS 38.101-2 version 15.17.0 Release 15)  |
| Doc. Nb. TS 138 101-1 Ver. 17.5.0<br>Ref. RTS/TSGR-0438101-1vh50<br>Technical Body: 3GPP RAN 4  | 5G;<br>NR; User Equipment (UE) radio transmission and reception; Part 1: Range 1 Standalone<br>(3GPP TS 38.101-1 version 17.5.0 Release 17)   |

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| Doc. Nb. TS 138 101-1 Ver. 16.11.0<br>Ref. RTS/TSGR-0438101-1vgb0<br>Technical Body: 3GPP RAN 4 | 5G;<br>NR; User Equipment (UE) radio transmission and reception; Part 1: Range 1 Standalone<br>(3GPP TS 38.101-1 version 16.11.0 Release 16)   |
| Doc. Nb. TS 138 101-1 Ver. 15.17.0<br>Ref. RTS/TSGR-0438101-1vfh0<br>Technical Body: 3GPP RAN 4 | 5G;<br>NR; User Equipment (UE) radio transmission and reception; Part 1: Range 1 Standalone<br>(3GPP TS 38.101-1 version 15.17.0 Release 15)   |
| Doc. Nb. TR 137 985 Ver. 17.1.0<br>Ref. RTR/TSGR-0137985vh10<br>Technical Body: 3GPP RAN 1      | LTE; 5G;<br>Overall description of Radio Access Network (RAN) aspects for Vehicle-to-everything (V2X) based on LTE and NR<br>(3GPP TR 37.985 version 17.1.0 Release 17)  |
| Doc. Nb. TR 137 985 Ver. 16.1.0<br>Ref. RTR/TSGR-0137985vg10<br>Technical Body: 3GPP RAN 1      | LTE; 5G;<br>Overall description of Radio Access Network (RAN) aspects for Vehicle-to-everything (V2X) based on LTE and NR<br>(3GPP TR 37.985 version 16.1.0 Release 16)  |
| Doc. Nb. TR 137 977 Ver. 17.0.0<br>Ref. RTR/TSGR-0437977vh00<br>Technical Body: 3GPP RAN 4      | Universal Mobile Telecommunications System (UMTS); LTE;<br>Universal Terrestrial Radio Access (UTRA) and Evolved Universal Terrestrial Radio Access (E-UTRA);<br>Verification of radiated multi-antenna reception performance of User Equipment (UE)<br>(3GPP TR 37.977 version 17.0.0 Release 17) |
| Doc. Nb. TR 137 976 Ver. 17.0.0<br>Ref. RTR/TSGR-0437976vh00<br>Technical Body: 3GPP RAN 4      | Universal Mobile Telecommunications System (UMTS); LTE;<br>Measurement of radiated performance for Multiple Input Multiple Output (MIMO) and multi-antenna reception for High Speed Packet Access (HSPA) and LTE terminals<br>(3GPP TR 37.976 version 17.0.0 Release 17)                           |
| Doc. Nb. TR 137 941 Ver. 17.0.0<br>Ref. RTR/TSGR-0437941vh00<br>Technical Body: 3GPP RAN 4      | Universal Mobile Telecommunications System (UMTS); LTE; 5G;<br>Radio Frequency (RF) conformance testing background for radiated Base Station (BS) requirements<br>(3GPP TR 37.941 version 17.0.0 Release 17)   |
| Doc. Nb. TR 137 902 Ver. 17.0.0<br>Ref. RTR/TSGR-0437902vh00<br>Technical Body: 3GPP RAN 4      | Universal Mobile Telecommunications System (UMTS); LTE;<br>Measurements of User Equipment (UE) radio performances for LTE/UMTS terminals; Total Radiated Power (TRP) and Total Radiated Sensitivity (TRS) test methodology<br>(3GPP TR 37.902 version 17.0.0 Release 17)                           |

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| Doc. Nb. TR 137 900 Ver. 17.0.0<br>Ref. RTR/TSGR-0437900vh00<br>Technical Body: 3GPP RAN 4      | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE;<br>Radio Frequency (RF) requirements for Multicarrier and Multiple Radio Access Technology (Multi-RAT) Base Station (BS)<br>(3GPP TR 37.900 version 17.0.0 Release 17)           |
| Doc. Nb. TS 137 213 Ver. 17.1.0<br>Ref. RTS/TSGR-0137213vh10<br>Technical Body: 3GPP RAN 1      | LTE; 5G;<br>Physical layer procedures for shared spectrum channel access<br>(3GPP TS 37.213 version 17.1.0 Release 17)  |
| Doc. Nb. TS 137 213 Ver. 16.8.0<br>Ref. RTS/TSGR-0137213vg80<br>Technical Body: 3GPP RAN 1      | LTE; 5G;<br>Physical layer procedures for shared spectrum channel access<br>(3GPP TS 37.213 version 16.8.0 Release 16)  |
| Doc. Nb. TS 137 171 Ver. 17.0.0<br>Ref. RTS/TSGR-0437171vh00<br>Technical Body: 3GPP RAN 4      | Universal Mobile Telecommunications System (UMTS); LTE; 5G;<br>Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA); User Equipment (UE) performance requirements for Radio Access Technology (RAT) Independent Positioning Enhancements<br>(3GPP TS 37.171 version 17.0.0 Release 17) |
| Doc. Nb. TS 137 145-2 Ver. 17.5.0<br>Ref. RTS/TSGR-0437145-2vh50<br>Technical Body: 3GPP RAN 4  | Universal Mobile Telecommunications System (UMTS); LTE; 5G;<br>Active Antenna System (AAS) Base Station (BS) conformance testing; Part 2: radiated conformance testing<br>(3GPP TS 37.145-2 version 17.5.0 Release 17)  |
| Doc. Nb. TS 137 145-1 Ver. 16.10.0<br>Ref. RTS/TSGR-0437145-1vga0<br>Technical Body: 3GPP RAN 4 | Universal Mobile Telecommunications System (UMTS); LTE; 5G;<br>Active Antenna System (AAS) Base Station (BS) conformance testing; Part 1: conducted conformance testing<br>(3GPP TS 37.145-1 version 16.10.0 Release 16)  |
| Doc. Nb. TS 137 145-1 Ver. 15.13.0<br>Ref. RTS/TSGR-0437145-1vfd0<br>Technical Body: 3GPP RAN 4 | Universal Mobile Telecommunications System (UMTS); LTE; 5G;<br>Active Antenna System (AAS) Base Station (BS) conformance testing; Part 1: conducted conformance testing<br>(3GPP TS 37.145-1 version 15.13.0 Release 15)  |
| Doc. Nb. TS 137 144 Ver. 17.0.0<br>Ref. RTS/TSGR-0437144vh00                                    | Universal Mobile Telecommunications System (UMTS); LTE; Digital cellular telecommunications system (Phase 2+) (GSM);<br>User Equipment (UE) and Mobile Station (MS) GSM, UTRA and E-UTRA over the air performance   |

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| Technical Body: 3GPP RAN 4  | requirements<br>(3GPP TS 37.144 version 17.0.0 Release 17)   |
| Doc. Nb. TS 137 141 Ver. 17.5.0<br>Ref. RTS/TSGR-0437141vh50<br>Technical Body: 3GPP RAN 4      | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G;<br>NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) conformance testing<br>(3GPP TS 37.141 version 17.5.0 Release 17)  |
| Doc. Nb. TS 137 141 Ver. 16.13.0<br>Ref. RTS/TSGR-0437141vgd0<br>Technical Body: 3GPP RAN 4     | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G;<br>NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) conformance testing<br>(3GPP TS 37.141 version 16.13.0 Release 16) |
| Doc. Nb. TS 137 141 Ver. 15.17.0<br>Ref. RTS/TSGR-0437141vfh0<br>Technical Body: 3GPP RAN 4     | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G;<br>NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) conformance testing<br>(3GPP TS 37.141 version 15.17.0 Release 15) |
| Doc. Nb. TS 137 114 Ver. 17.0.0<br>Ref. RTS/TSGR-0437114vh00<br>Technical Body: 3GPP RAN 4      | Universal Mobile Telecommunications System (UMTS); LTE;<br>Active Antenna System (AAS) Base Station (BS) Electromagnetic Compatibility (EMC)<br>(3GPP TS 37.114 version 17.0.0 Release 17)   |
| Doc. Nb. TS 137 145-1 Ver. 16.10.0<br>Ref. RTS/TSGR-0437145-1vga0<br>Technical Body: 3GPP RAN 4 | Universal Mobile Telecommunications System (UMTS); LTE; 5G;<br>Active Antenna System (AAS) Base Station (BS) conformance testing; Part 1: conducted conformance testing<br>(3GPP TS 37.145-1 version 16.10.0 Release 16)   |
| Doc. Nb. TS 137 145-1 Ver. 15.13.0<br>Ref. RTS/TSGR-0437145-1vfd0<br>Technical Body: 3GPP RAN 4 | Universal Mobile Telecommunications System (UMTS); LTE; 5G;<br>Active Antenna System (AAS) Base Station (BS) conformance testing; Part 1: conducted conformance testing<br>(3GPP TS 37.145-1 version 15.13.0 Release 15)   |
| Doc. Nb. TS 137 144 Ver. 17.0.0<br>Ref. RTS/TSGR-0437144vh00                                    | Universal Mobile Telecommunications System (UMTS); LTE; Digital cellular telecommunications system (Phase 2+) (GSM);<br>User Equipment (UE) and Mobile Station (MS) GSM, UTRA and E-UTRA over the air performance  |

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| Technical Body: 3GPP RAN 4  | requirements<br>(3GPP TS 37.144 version 17.0.0 Release 17)  |
| Doc. Nb. TS 137 113 Ver. 17.0.0<br>Ref. RTS/TSGR-0437113vh00<br>Technical Body: 3GPP RAN 4  | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G;<br>NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) Electromagnetic Compatibility (EMC)<br>(3GPP TS 37.113 version 17.0.0 Release 17) |
| Doc. Nb. TS 137 107 Ver. 17.0.0<br>Ref. RTS/TSGR-0437107vh00<br>Technical Body: 3GPP RAN 4  | LTE;<br>Base Station (BS) requirements and conformance tests for shared spectrum channel access<br>(3GPP TS 37.107 version 17.0.0 Release 17)   |
| Doc. Nb. TS 137 106 Ver. 17.0.0<br>Ref. RTS/TSGR-0437106vh00<br>Technical Body: 3GPP RAN 4  | LTE;<br>User Equipment (UE) requirements for shared spectrum channel access<br>(3GPP TS 37.106 version 17.0.0 Release 17)   |
| Doc. Nb. TS 137 105 Ver. 17.5.0<br>Ref. RTS/TSGR-0437105vh50<br>Technical Body: 3GPP RAN 4  | Universal Mobile Telecommunications System (UMTS); LTE; 5G;<br>Active Antenna System (AAS) Base Station (BS) transmission and reception<br>(3GPP TS 37.105 version 17.5.0 Release 17)   |
| Doc. Nb. TS 137 105 Ver. 16.11.0<br>Ref. RTS/TSGR-0437105vgb0<br>Technical Body: 3GPP RAN 4 | Universal Mobile Telecommunications System (UMTS); LTE; 5G;<br>Active Antenna System (AAS) Base Station (BS) transmission and reception<br>(3GPP TS 37.105 version 16.11.0 Release 16)  |
| Doc. Nb. TS 137 105 Ver. 15.16.0<br>Ref. RTS/TSGR-0437105vfg0<br>Technical Body: 3GPP RAN 4 | Universal Mobile Telecommunications System (UMTS); LTE; 5G;<br>Active Antenna System (AAS) Base Station (BS) transmission and reception<br>(3GPP TS 37.105 version 15.16.0 Release 15)  |
| Doc. Nb. TS 137 104 Ver. 17.5.0<br>Ref. RTS/TSGR-0437104vh50<br>Technical Body: 3GPP RAN 4  | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G;<br>NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) radio transmission and reception<br>(3GPP TS 37.104 version 17.5.0 Release 17)    |
| Doc. Nb. TS 137 104 Ver. 16.13.0<br>Ref. RTS/TSGR-0437104vgd0<br>Technical Body: 3GPP RAN 4 | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G;<br>NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) radio   |



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|   | transmission and reception<br>(3GPP TS 37.104 version 16.13.0 Release 16)   |
| Doc. Nb. TS 137 104 Ver. 15.16.0<br>Ref. RTS/TSGR-0437104vfg0<br>Technical Body: 3GPP RAN 4 | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G;<br>NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) radio transmission and reception<br>(3GPP TS 37.104 version 15.16.0 Release 15) |
| Doc. Nb. TR 136 976 Ver. 17.0.0<br>Ref. RTR/TSGR-0136976vh00<br>Technical Body: 3GPP RAN 1  | LTE;<br>Overall description of LTE-based 5G broadcast<br>(3GPP TR 36.976 version 17.0.0 Release 17)   |
| Doc. Nb. TR 136 942 Ver. 17.0.0<br>Ref. RTR/TSGR-0436942vh00<br>Technical Body: 3GPP RAN 4  | LTE;<br>Evolved Universal Terrestrial Radio Access (E-UTRA); Radio Frequency (RF) system scenarios<br>(3GPP TR 36.942 version 17.0.0 Release 17)  |
| Doc. Nb. TR 136 931 Ver. 17.0.0<br>Ref. RTR/TSGR-0436931vh00<br>Technical Body: 3GPP RAN 4  | LTE;<br>Evolved Universal Terrestrial Radio Access (E-UTRA); Radio Frequency (RF) requirements for LTE Pico Node B<br>(3GPP TR 36.931 version 17.0.0 Release 17)  |
| Doc. Nb. TR 136 922 Ver. 17.0.0<br>Ref. RTR/TSGR-0436922vh00<br>Technical Body: 3GPP RAN 4  | LTE;<br>Evolved Universal Terrestrial Radio Access (E-UTRA); TDD Home eNode B (HeNB) Radio Frequency (RF) requirements analysis<br>(3GPP TR 36.922 version 17.0.0 Release 17)   |
| Doc. Nb. TR 136 921 Ver. 17.0.0<br>Ref. RTR/TSGR-0436921vh00<br>Technical Body: 3GPP RAN 4  | LTE;<br>Evolved Universal Terrestrial Radio Access (E-UTRA); FDD Home eNode B (HeNB) Radio Frequency (RF) requirements analysis<br>(3GPP TR 36.921 version 17.0.0 Release 17)   |
| Doc. Nb. TS 136 307 Ver. 17.0.0<br>Ref. RTS/TSGR-0436307vh00<br>Technical Body: 3GPP RAN 4  | LTE;<br>Evolved Universal Terrestrial Radio Access (E-UTRA); Requirements on User Equipments (UEs) supporting a release-independent frequency band<br>(3GPP TS 36.307 version 17.0.0 Release 17)  |

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| Doc. Nb. TS 136 213 Ver. 17.1.0<br>Ref. RTS/TSGR-0136213vh10<br>Technical Body: 3GPP RAN 1  | LTE;<br>Evolved Universal Terrestrial Radio Access (E-UTRA); Physical layer procedures<br>(3GPP TS 36.213 version 17.1.0 Release 17)  |
| Doc. Nb. TS 136 212 Ver. 17.1.0<br>Ref. RTS/TSGR-0136212vh10<br>Technical Body: 3GPP RAN 1  | LTE;<br>Evolved Universal Terrestrial Radio Access (E-UTRA); Multiplexing and channel coding<br>(3GPP TS 36.212 version 17.1.0 Release 17)  |
| Doc. Nb. TS 136 211 Ver. 17.1.0<br>Ref. RTS/TSGR-0136211vh10<br>Technical Body: 3GPP RAN 1  | LTE;<br>Evolved Universal Terrestrial Radio Access (E-UTRA); Physical channels and modulation<br>(3GPP TS 36.211 version 17.1.0 Release 17)   |
| Doc. Nb. TS 136 171 Ver. 17.0.0<br>Ref. RTS/TSGR-0436171vh00<br>Technical Body: 3GPP RAN 4  | LTE;<br>Evolved Universal Terrestrial Radio Access (E-UTRA); Requirements for Support of Assisted Global Navigation Satellite System (A-GNSS)<br>(3GPP TS 36.171 version 17.0.0 Release 17) |
| Doc. Nb. TS 136 143 Ver. 17.0.0<br>Ref. RTS/TSGR-0436143vh00<br>Technical Body: 3GPP RAN 4  | LTE;<br>Evolved Universal Terrestrial Radio Access (E-UTRA); FDD repeater conformance testing<br>(3GPP TS 36.143 version 17.0.0 Release 17)   |
| Doc. Nb. TS 136 141 Ver. 17.5.0<br>Ref. RTS/TSGR-0436141vh50<br>Technical Body: 3GPP RAN 4  | LTE;<br>Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) conformance testing<br>(3GPP TS 36.141 version 17.5.0 Release 1)   |
| Doc. Nb. TS 136 141 Ver. 16.13.0<br>Ref. RTS/TSGR-0436141vgd0<br>Technical Body: 3GPP RAN 4 | LTE;<br>Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) conformance testing<br>(3GPP TS 36.141 version 16.13.0 Release 16)   |
| Doc. Nb. TS 136 141 Ver. 15.16.0<br>Ref. RTS/TSGR-0436141vfg0<br>Technical Body: 3GPP RAN 4 | LTE;<br>Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) conformance testing<br>(3GPP TS 36.141 version 15.16.0 Release 15)   |
| Doc. Nb. TS 136 133 Ver. 17.5.0<br>Ref. RTS/TSGR-0436133vh50<br>Technical Body: 3GPP RAN 4  | LTE;<br>Evolved Universal Terrestrial Radio Access (E-UTRA); Requirements for support of radio resource management<br>(3GPP TS 36.133 version 17.5.0 Release 17)                            |
| Doc. Nb. TS 136 133 Ver. 16.13.0<br>Ref. RTS/TSGR-0436133vgd0                               | LTE;<br>Evolved Universal Terrestrial Radio Access (E-UTRA); Requirements for support of radio resource   |

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| Technical Body: 3GPP RAN 4  | management<br>(3GPP TS 36.133 version 16.13.0 Release 16)  |
| Doc. Nb. TS 136 133 Ver. 15.16.0<br>Ref. RTS/TSGR-0436133vfg0<br>Technical Body: 3GPP RAN 4 | LTE;<br>Evolved Universal Terrestrial Radio Access (E-UTRA); Requirements for support of radio resource management<br>(3GPP TS 36.133 version 15.16.0 Release 15)  |
| Doc. Nb. TS 136 133 Ver. 14.21.0<br>Ref. RTS/TSGR-0436133vel0<br>Technical Body: 3GPP RAN 4 | LTE;<br>Evolved Universal Terrestrial Radio Access (E-UTRA); Requirements for support of radio resource management<br>(3GPP TS 36.133 version 14.21.0 Release 14)  |
| Doc. Nb. TS 136 124 Ver. 17.0.0<br>Ref. RTS/TSGR-0436124vh00<br>Technical Body: 3GPP RAN 4  | LTE;<br>Evolved Universal Terrestrial Radio Access (E-UTRA); Electromagnetic compatibility (EMC) requirements for mobile terminals and ancillary equipment<br>(3GPP TS 36.124 version 17.0.0 Release 17)           |
| Doc. Nb. TS 136 117 Ver. 17.0.0<br>Ref. RTS/TSGR-0436117vh00<br>Technical Body: 3GPP RAN 4  | Universal Mobile Telecommunications System (UMTS); LTE;<br>Evolved Universal Terrestrial Radio Access (E-UTRA); Relay conformance testing<br>(3GPP TS 36.117 version 17.0.0 Release 17)                            |
| Doc. Nb. TS 136 116 Ver. 17.0.0<br>Ref. RTS/TSGR-0436116vh00<br>Technical Body: 3GPP RAN 4  | LTE;<br>Evolved Universal Terrestrial Radio Access (E-UTRA); Relay radio transmission and reception<br>(3GPP TS 36.116 version 17.0.0 Release 17)  |
| Doc. Nb. TS 136 113 Ver. 17.0.0<br>Ref. RTS/TSGR-0436113vh00<br>Technical Body: 3GPP RAN 4  | LTE;<br>Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) and repeater ElectroMagnetic Compatibility (EMC)<br>(3GPP TS 36.113 version 17.0.0 Release 17)                                      |
| Doc. Nb. TS 136 112 Ver. 17.0.0<br>Ref. RTS/TSGR-0436112vh00<br>Technical Body: 3GPP RAN 4  | LTE;<br>Location Measurement Unit (LMU) conformance specification; Network based positioning systems in Evolved Universal Terrestrial Radio Access Network (E-UTRAN)<br>(3GPP TS 36.112 version 17.0.0 Release 17) |
| Doc. Nb. TS 136 111 Ver. 17.0.0<br>Ref. RTS/TSGR-0436111vh00                                | LTE;<br>Location Measurement Unit (LMU) performance specification; Network based positioning systems   |

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| Technical Body: 3GPP RAN 4  | in Evolved Universal Terrestrial Radio Access Network (E-UTRAN)<br>(3GPP TS 36.111 version 17.0.0 Release 17)  |
| Doc. Nb. TS 136 106 Ver. 17.0.0<br>Ref. RTS/TSGR-0436106vh00<br>Technical Body: 3GPP RAN 4  | LTE;<br>Evolved Universal Terrestrial Radio Access (E-UTRA); FDD repeater radio transmission and reception<br>(3GPP TS 36.106 version 17.0.0 Release 17)         |
| Doc. Nb. TS 136 104 Ver. 17.5.0<br>Ref. RTS/TSGR-0436104vh50<br>Technical Body: 3GPP RAN 4  | LTE;<br>Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) radio transmission and reception<br>(3GPP TS 36.104 version 17.5.0 Release 17)    |
| Doc. Nb. TS 136 104 Ver. 16.13.0<br>Ref. RTS/TSGR-0436104vgd0<br>Technical Body: 3GPP RAN 4 | LTE;<br>Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) radio transmission and reception<br>(3GPP TS 36.104 version 16.13.0 Release 16)   |
| Doc. Nb. TS 136 104 Ver. 15.15.0<br>Ref. RTS/TSGR-0436104vff0<br>Technical Body: 3GPP RAN 4 | LTE;<br>Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) radio transmission and reception<br>(3GPP TS 36.104 version 15.15.0 Release 15)   |
| Doc. Nb. TS 136 101 Ver. 17.5.0<br>Ref. RTS/TSGR-0436101vh50<br>Technical Body: 3GPP RAN 4  | LTE;<br>Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) radio transmission and reception<br>(3GPP TS 36.101 version 17.5.0 Release 17)  |
| Doc. Nb. TS 136 101 Ver. 16.13.0<br>Ref. RTS/TSGR-0436101vgd0<br>Technical Body: 3GPP RAN 4 | LTE;<br>Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) radio transmission and reception<br>(3GPP TS 36.101 version 16.13.0 Release 16) |
| Doc. Nb. TS 136 101 Ver. 15.18.0<br>Ref. RTS/TSGR-0436101vfi0<br>Technical Body: 3GPP RAN 4 | LTE;<br>Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) radio transmission and reception<br>(3GPP TS 36.101 version 15.18.0 Release 15) |

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| Doc. Nb. TS 132 451 Ver. 17.0.0<br>Ref. RTS/TSGS-0532451vh00<br>Technical Body: 3GPP SA 5 | Universal Mobile Telecommunications System (UMTS); LTE;<br>Telecommunication management; Key Performance Indicators (KPI) for Evolved Universal Terrestrial Radio Access Network (E-UTRAN); Requirements<br>(3GPP TS 32.451 version 17.0.0 Release 17)                                 |
| Doc. Nb. TS 132 450 Ver. 17.0.0<br>Ref. RTS/TSGS-0532450vh00<br>Technical Body: 3GPP SA 5 | Universal Mobile Telecommunications System (UMTS); LTE;<br>Telecommunication management; Key Performance Indicators (KPI) for Evolved Universal Terrestrial Radio Access Network (E-UTRAN): Definitions<br>(3GPP TS 32.450 version 17.0.0 Release 17)                                  |
| Doc. Nb. TS 132 446 Ver. 17.0.0<br>Ref. RTS/TSGS-0532446vh00<br>Technical Body: 3GPP SA 5 | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE;<br>Telecommunication management; Trace Management Integration Reference Point (IRP); Solution Set (SS) definitions<br>(3GPP TS 32.446 version 17.0.0 Release 17)  |
| Doc. Nb. TS 132 442 Ver. 17.0.0<br>Ref. RTS/TSGS-0532442vh00<br>Technical Body: 3GPP SA 5 | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE;<br>Telecommunication management; Trace Management Integration Reference Point (IRP); Information Service (IS)<br>(3GPP TS 32.442 version 17.0.0 Release 17)       |
| Doc. Nb. TS 132 441 Ver. 17.0.0<br>Ref. RTS/TSGS-0532441vh00<br>Technical Body: 3GPP SA 5 | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE;<br>Telecommunication management; Trace Management Integration Reference Point (IRP); Requirements<br>(3GPP TS 32.441 version 17.0.0 Release 17)                   |
| Doc. Nb. TS 132 436 Ver. 17.0.0<br>Ref. RTS/TSGS-0532436vh00<br>Technical Body: 3GPP SA 5 | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE;<br>Telecommunication management; Performance measurement: Abstract Syntax Notation 1 (ASN.1) file format definition<br>(3GPP TS 32.436 version 17.0.0 Release 17) |
| Doc. Nb. TS 132 435 Ver. 17.0.0<br>Ref. RTS/TSGS-0532435vh00                              | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE;<br>Telecommunication management; Performance measurement; eXtensible Markup Language  |

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| Technical Body: 3GPP SA 5   | (XML) file format definition<br>(3GPP TS 32.435 version 17.0.0 Release 17)   |
| Doc. Nb. TS 132 432 Ver. 17.0.0<br>Ref. RTS/TSGS-0532432vh00<br>Technical Body: 3GPP SA 5 | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE;<br>Telecommunication management; Performance measurement: File format definition<br>(3GPP TS 32.432 version 17.0.0 Release 17)  |
| Doc. Nb. TS 132 426 Ver. 17.0.0<br>Ref. RTS/TSGS-0532426vh00<br>Technical Body: 3GPP SA 5 | LTE;<br>Telecommunication management; Performance Management (PM); Performance measurements Evolved Packet Core (EPC) network<br>(3GPP TS 32.426 version 17.0.0 Release 17)  |
| Doc. Nb. TS 132 416 Ver. 17.0.0<br>Ref. RTS/TSGS-0532416vh00<br>Technical Body: 3GPP SA 5 | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE;<br>Telecommunication management; Performance Management (PM) Integration Reference Point (IRP); Solution Set (SS) definitions<br>(3GPP TS 32.416 version 17.0.0 Release 17) |
| Doc. Nb. TS 132 412 Ver. 17.0.0<br>Ref. RTS/TSGS-0532412vh00<br>Technical Body: 3GPP SA 5 | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE;<br>Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Information Service (IS)<br>(3GPP TS 32.412 version 17.0.0 Release 17)      |
| Doc. Nb. TS 132 411 Ver. 17.0.0<br>Ref. RTS/TSGS-0532411vh00<br>Technical Body: 3GPP SA 5 | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE;<br>Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Requirements<br>(3GPP TS 32.411 version 17.0.0 Release 17)                  |
| Doc. Nb. TS 132 410 Ver. 17.0.0<br>Ref. RTS/TSGS-0532410vh00<br>Technical Body: 3GPP SA 5 | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS);<br>Telecommunication management; Key Performance Indicators (KPI) for UMTS and GSM<br>(3GPP TS 32.410 version 17.0.0 Release 17)   |
| Doc. Nb. TS 132 409 Ver. 17.0.0<br>Ref. RTS/TSGS-0532409vh00                              | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE;   |

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| Technical Body: 3GPP SA 5   | Telecommunication management; Performance Management (PM); Performance measurements; IP Multimedia Subsystem (IMS)<br>(3GPP TS 32.409 version 17.0.0 Release 17)  |
| Doc. Nb. TS 132 408 Ver. 17.0.0<br>Ref. RTS/TSGS-0532408vh00<br>Technical Body: 3GPP SA 5 | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE;<br>Telecommunication management; Performance Management (PM); Performance measurements; Teleservice<br>(3GPP TS 32.408 version 17.0.0 Release 17)  |
| Doc. Nb. TS 132 407 Ver. 17.0.0<br>Ref. RTS/TSGS-0532407vh00<br>Technical Body: 3GPP SA 5 | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE;<br>Telecommunication management; Performance Management (PM); Performance measurements; Core Network (CN) Circuit Switched (CS) domain; UMTS and combined UMTS/GSM<br>(3GPP TS 32.407 version 17.0.0 Release 17) |
| Doc. Nb. TS 132 406 Ver. 17.0.0<br>Ref. RTS/TSGS-0532406vh00<br>Technical Body: 3GPP SA 5 | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE;<br>Telecommunication management; Performance Management (PM); Performance measurements; Core Network (CN) Packet Switched (PS) domain<br>(3GPP TS 32.406 version 17.0.0 Release 17)                              |
| Doc. Nb. TS 132 405 Ver. 17.0.0<br>Ref. RTS/TSGS-0532405vh00<br>Technical Body: 3GPP SA 5 | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS);<br>Telecommunication management; Performance Management (PM); Performance measurements; Universal Terrestrial Radio Access Network (UTRAN)<br>(3GPP TS 32.405 version 17.0.0 Release 17)                              |
| Doc. Nb. TS 132 404 Ver. 17.0.0<br>Ref. RTS/TSGS-0532404vh00<br>Technical Body: 3GPP SA 5 | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE;<br>Telecommunication management; Performance Management (PM); Performance measurements; Definitions and template<br>(3GPP TS 32.404 version 17.0.0 Release 17)   |
| Doc. Nb. TS 132 401 Ver. 17.0.0<br>Ref. RTS/TSGS-0532401vh00                              | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G;  |

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| Technical Body: 3GPP SA 5   | Telecommunication management; Performance Management (PM); Concept and requirements (3GPP TS 32.401 version 17.0.0 Release 17)  |
| Doc. Nb. TS 132 382 Ver. 17.0.0<br>Ref. RTS/TSGS-0532382vh00<br>Technical Body: 3GPP SA 5 | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Partial Suspension of Itf-N Integration Reference Point (IRP); Information Service (IS) (3GPP TS 32.382 version 17.0.0 Release 17) |
| Doc. Nb. TS 132 381 Ver. 17.0.0<br>Ref. RTS/TSGS-0532381vh00<br>Technical Body: 3GPP SA 5 | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Partial Suspension of Itf-N Integration Reference Point (IRP); Requirements (3GPP TS 32.381 version 17.0.0 Release 17)             |
| Doc. Nb. TS 132 376 Ver. 17.0.0<br>Ref. RTS/TSGS-0532376vh00<br>Technical Body: 3GPP SA 5 | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Security services for Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 32.376 version 17.0.0 Release 17)  |
| Doc. Nb. TS 132 366 Ver. 17.0.0<br>Ref. RTS/TSGS-0532366vh00<br>Technical Body: 3GPP SA 5 | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Entry Point (EP) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 32.366 version 17.0.0 Release 17)       |
| Doc. Nb. TS 132 332 Ver. 17.0.0<br>Ref. RTS/TSGS-0532332vh00<br>Technical Body: 3GPP SA 5 | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Notification Log (NL) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 32.332 version 17.0.0 Release 17)       |
| Doc. Nb. TS 132 326 Ver. 17.0.0<br>Ref. RTS/TSGS-0532326vh00<br>Technical Body: 3GPP SA 5 | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Test management Integration Reference Point (IRP); Solution  |



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|   | Set (SS) definitions<br>(3GPP TS 32.326 version 17.0.0 Release 17)  |
| Doc. Nb. TS 132 321 Ver. 17.0.0<br>Ref. RTS/TSGS-0532321vh00<br>Technical Body: 3GPP SA 5 | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE;<br>Telecommunication management; Test management Integration Reference Point (IRP); Requirements<br>(3GPP TS 32.321 version 17.0.0 Release 17)                     |
| Doc. Nb. TS 132 316 Ver. 17.0.0<br>Ref. RTS/TSGS-0532316vh00<br>Technical Body: 3GPP SA 5 | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE;<br>Telecommunication management; Generic Integration Reference Point (IRP) management; Solution Set (SS) definitions<br>(3GPP TS 32.316 version 17.0.0 Release 17) |
| Doc. Nb. TR 131 970 Ver. 17.0.0<br>Ref. RTR/TSGC-0631970vh00<br>Technical Body: 3GPP CT 6 | LTE; Universal Mobile Telecommunications System (UMTS);<br>UICC power optimisation for Machine-Type Communication (MTC)<br>(3GPP TR 31.970 version 17.0.0 Release 17)   |
| Doc. Nb. TR 131 900 Ver. 17.0.0<br>Ref. RTR/TSGC-0631900vh00<br>Technical Body: 3GPP CT 6 | Universal Mobile Telecommunications System (UMTS); LTE;<br>SIM/USIM internal and external interworking aspects<br>(3GPP TR 31.900 version 17.0.0 Release 17)  |
| Doc. Nb. TS 131 221 Ver. 17.0.0<br>Ref. RTS/TSGC-0631221vh00<br>Technical Body: 3GPP CT 6 | Universal Mobile Telecommunications System (UMTS); LTE;<br>Contact Manager Application Programming Interface (API); Contact Manager API for Java Card<br>(3GPP TS 31.221 version 17.0.0 Release 17)   |
| Doc. Nb. TS 131 220 Ver. 17.0.0<br>Ref. RTS/TSGC-0631220vh00<br>Technical Body: 3GPP CT 6 | Universal Mobile Telecommunications System (UMTS); LTE;<br>Characteristics of the Contact Manager for 3GPP UICC applications<br>(3GPP TS 31.220 version 17.0.0 Release 17)  |
| Doc. Nb. TS 131 213 Ver. 17.0.0<br>Ref. RTS/TSGC-0631213vh00<br>Technical Body: 3GPP CT 6 | Universal Mobile Telecommunications System (UMTS); LTE;<br>Test specification for (U)SIM; Application Programming Interface (API) for Java Card™<br>(3GPP TS 31.213 version 17.0.0 Release 17)  |
| Doc. Nb. TS 131 133 Ver. 17.0.0<br>Ref. RTS/TSGC-0631133vh00<br>Technical Body: 3GPP CT 6 | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE;<br>IP Multimedia Services Identity Module (ISIM) Application Programming Interface (API); ISIM API   |

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|   | for Java Card™<br>(3GPP TS 31.133 version 17.0.0 Release 17)  |
| Doc. Nb. TS 131 131 Ver. 17.0.0<br>Ref. RTS/TSGC-0631131vh00<br>Technical Body: 3GPP CT 6 | Universal Mobile Telecommunications System (UMTS); LTE;<br>C-language binding to (U)SIM API<br>(3GPP TS 31.131 version 17.0.0 Release 17)   |
| Doc. Nb. TS 131 130 Ver. 17.0.0<br>Ref. RTS/TSGC-0631130vh00<br>Technical Body: 3GPP CT 6 | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile<br>Telecommunications System (UMTS); LTE; 5G;<br>(U)SIM Application Programming Interface (API); (U)SIM API for Java™ Card<br>(3GPP TS 31.130 version 17.0.0 Release 17)                                  |
| Doc. Nb. TS 131 122 Ver. 17.0.0<br>Ref. RTS/TSGC-0631122vh00<br>Technical Body: 3GPP CT 6 | Universal Mobile Telecommunications System (UMTS); LTE;<br>Universal Subscriber Identity Module (USIM) conformance test specification<br>(3GPP TS 31.122 version 17.0.0 Release 17)   |
| Doc. Nb. TS 131 120 Ver. 17.0.0<br>Ref. RTS/TSGC-0631120vh00<br>Technical Body: 3GPP CT 6 | Universal Mobile Telecommunications System (UMTS); LTE;<br>UICC-terminal interface; Physical, electrical and logical test specification<br>(3GPP TS 31.120 version 17.0.0 Release 17)   |
| Doc. Nb. TS 131 116 Ver. 17.0.0<br>Ref. RTS/TSGC-0631116vh00<br>Technical Body: 3GPP CT 6 | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile<br>Telecommunications System (UMTS); LTE;<br>Remote APDU Structure for (U)SIM Toolkit applications<br>(3GPP TS 31.116 version 17.0.0 Release 17)  |
| Doc. Nb. TS 131 115 Ver. 17.0.0<br>Ref. RTS/TSGC-0631115vh00<br>Technical Body: 3GPP CT 6 | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile<br>Telecommunications System (UMTS); LTE;<br>Secured packet structure for (Universal) Subscriber Identity Module (U)SIM Toolkit applications<br>(3GPP TS 31.115 version 17.0.0 Release 17)                |
| Doc. Nb. TS 131 104 Ver. 17.0.0<br>Ref. RTS/TSGC-0631104vh00<br>Technical Body: 3GPP CT 6 | Universal Mobile Telecommunications System (UMTS); LTE;<br>Characteristics of the Hosting Party Subscription Identity Module (HPSIM) application<br>(3GPP TS 31.104 version 17.0.0 Release 17)  |
| Doc. Nb. TR 129 994 Ver. 17.0.0<br>Ref. RTR/TSGC-0129994vh00<br>Technical Body: 3GPP CT 1 | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile<br>Telecommunications System (UMTS); LTE;<br>Recommended infrastructure measures to overcome specific Mobile Station (MS) and User<br>Equipment (UE) faults<br>(3GPP TR 29.994 version 17.0.0 Release 17) |

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| Doc. Nb. TR 129 935 Ver. 17.0.0<br>Ref. RTR/TSGC-0429935vh00<br>Technical Body: 3GPP CT 4 | Universal Mobile Telecommunications System (UMTS); LTE;<br>Study on User Data Convergence (UDC) data model<br>(3GPP TR 29.935 version 17.0.0 Release 17)  |
| Doc. Nb. TS 129 674 Ver. 17.0.0<br>Ref. RTS/TSGC-0429674vh00<br>Technical Body: 3GPP CT 4 | LTE; 5G;<br>Interface between the UE radio Capability Management Function (UCMF) and the Mobility Management Entity (MME); Stage 3<br>(3GPP TS 29.674 version 17.0.0 Release 17)  |
| Doc. Nb. TS 129 405 Ver. 17.0.0<br>Ref. RTS/TSGC-0429405vh00<br>Technical Body: 3GPP CT 4 | Universal Mobile Telecommunications System (UMTS); LTE;<br>Nq and Nq' Application Protocol (Nq-AP); Stage 3<br>(3GPP TS 29.405 version 17.0.0 Release 17)   |
| Doc. Nb. TS 129 388 Ver. 17.0.0<br>Ref. RTS/TSGC-0429388vh00<br>Technical Body: 3GPP CT 4 | LTE;<br>V2X Control Function to Home Subscriber Server (HSS) aspects (V4); Stage 3<br>(3GPP TS 29.388 version 17.0.0 Release 17)  |
| Doc. Nb. TS 129 364 Ver. 17.0.0<br>Ref. RTS/TSGC-0429364vh00<br>Technical Body: 3GPP CT 4 | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE;<br>IP Multimedia Subsystem (IMS) Application Server (AS) service data descriptions for AS interoperability<br>(3GPP TS 29.364 version 17.0.0 Release 17) |
| Doc. Nb. TS 129 344 Ver. 17.0.0<br>Ref. RTS/TSGC-0429344vh00<br>Technical Body: 3GPP CT 4 | Universal Mobile Telecommunications System (UMTS); LTE;<br>Proximity-services (ProSe) function to Home Subscriber Server (HSS) aspects; Stage 3<br>(3GPP TS 29.344 version 17.0.0 Release 17)   |
| Doc. Nb. TS 129 279 Ver. 17.0.0<br>Ref. RTS/TSGC-0429279vh00<br>Technical Body: 3GPP CT 4 | Universal Mobile Telecommunications System (UMTS); LTE;<br>Mobile IPv4 (MIPv4) based mobility protocols; Stage 3<br>(3GPP TS 29.279 version 17.0.0 Release 17)  |
| Doc. Nb. TS 129 275 Ver. 17.0.0<br>Ref. RTS/TSGC-0429275vh00<br>Technical Body: 3GPP CT 4 | Universal Mobile Telecommunications System (UMTS); LTE;<br>Proxy Mobile IPv6 (PMIPv6) based Mobility and Tunnelling protocols; Stage 3<br>(3GPP TS 29.275 version 17.0.0 Release 17)  |
| Doc. Nb. TS 129 231 Ver. 17.0.0<br>Ref. RTS/TSGC-0429231vh00<br>Technical Body: 3GPP CT 4 | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS);<br>Application of SIP-I Protocols to Circuit Switched (CS) core network architecture; Stage 3<br>(3GPP TS 29.231 version 17.0.0 Release 17)                   |

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| Doc. Nb. TS 129 173 Ver. 17.0.0<br>Ref. RTS/TSGC-0429173vh00<br>Technical Body: 3GPP CT 4 | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE;<br>Location Services (LCS); Diameter-based SLh interface for Control Plane LCS<br>(3GPP TS 29.173 version 17.0.0 Release 17)   |
| Doc. Nb. TS 129 128 Ver. 17.0.0<br>Ref. RTS/TSGC-0429128vh00<br>Technical Body: 3GPP CT 4 | LTE; Universal Mobile Telecommunications System (UMTS);<br>Mobility Management Entity (MME) and Serving GPRS Support Node (SGSN) interfaces for interworking with packet data networks and applications<br>(3GPP TS 29.128 version 17.0.0 Release 17)   |
| Doc. Nb. TS 129 119 Ver. 17.0.0<br>Ref. RTS/TSGC-0429119vh00<br>Technical Body: 3GPP CT 4 | Universal Mobile Telecommunications System (UMTS); LTE;<br>GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR)<br>(3GPP TS 29.119 version 17.0.0 Release 17)   |
| Doc. Nb. TS 129 118 Ver. 17.0.0<br>Ref. RTS/TSGC-0129118vh00<br>Technical Body: 3GPP CT 1 | Universal Mobile Telecommunications System (UMTS); LTE;<br>Mobility Management Entity (MME) - Visitor Location Register (VLR) SGs interface specification<br>(3GPP TS 29.118 version 17.0.0 Release 17)   |
| Doc. Nb. TS 129 109 Ver. 17.0.0<br>Ref. RTS/TSGC-0429109vh00<br>Technical Body: 3GPP CT 4 | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE;<br>Generic Authentication Architecture (GAA); Zh and Zn Interfaces based on the Diameter protocol;<br>Stage 3<br>(3GPP TS 29.109 version 17.0.0 Release 17)                                      |
| Doc. Nb. TS 129 018 Ver. 17.0.0<br>Ref. RTS/TSGC-0129018vh00<br>Technical Body: 3GPP CT 1 | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS);<br>General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification<br>(3GPP TS 29.018 version 17.0.0 Release 17)         |
| Doc. Nb. TS 129 016 Ver. 17.0.0<br>Ref. RTS/TSGC-0129016vh00<br>Technical Body: 3GPP CT 1 | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS);<br>General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface network service specification<br>(3GPP TS 29.016 version 17.0.0 Release 17) |

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| Doc. Nb. TS 129 011 Ver. 17.0.0<br>Ref. RTS/TSGC-0429011vh00<br>Technical Body: 3GPP CT 4  | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE;<br>Signalling Interworking for supplementary services<br>(3GPP TS 29.011 version 17.0.0 Release 17)  |
| Doc. Nb. TS 129 010 Ver. 17.0.0<br>Ref. RTS/TSGC-0429010vh00<br>Technical Body: 3GPP CT 4  | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G;<br>Information element mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MSC); Signalling Procedures and the Mobile Application Part (MAP)<br>(3GPP TS 29.010 version 17.0.0 Release 17) |
| Doc. Nb. TS 127 005 Ver. 17.0.0<br>Ref. RTS/TSGC-0127005vh00<br>Technical Body: 3GPP CT 1  | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE;<br>Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE - DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)<br>(3GPP TS 27.005 version 17.0.0 Release 17)  |
| Doc. Nb. TR 125 968 Ver. 17.0.0<br>Ref. RTR/TSGR-0425968vh00<br>Technical Body: 3GPP RAN 4 | Universal Mobile Telecommunications System (UMTS);<br>1.28 Mcps TDD Home NodeB Radio Frequency (RF)<br>(3GPP TR 25.968 version 17.0.0 Release 17)   |
| Doc. Nb. TR 125 967 Ver. 17.0.0<br>Ref. RTR/TSGR-0425967vh00<br>Technical Body: 3GPP RAN 4 | Universal Mobile Telecommunications System (UMTS);<br>Home Node B (HNB) Radio Frequency (RF) requirements (FDD)<br>(3GPP TR 25.967 version 17.0.0 Release 17)   |
| Doc. Nb. TR 125 963 Ver. 17.0.0<br>Ref. RTR/TSGR-0425963vh00<br>Technical Body: 3GPP RAN 4 | Universal Mobile Telecommunications System (UMTS);<br>Feasibility study on interference cancellation for UTRA FDD User Equipment (UE)<br>(3GPP TR 25.963 version 17.0.0 Release 17)   |
| Doc. Nb. TR 125 956 Ver. 17.0.0<br>Ref. RTR/TSGR-0425956vh00<br>Technical Body: 3GPP RAN 4 | Universal Mobile Telecommunications System (UMTS);<br>Universal Terrestrial Radio Access (UTRA) repeater planning guidelines and system analysis<br>(3GPP TR 25.956 version 17.0.0 Release 17)  |
| Doc. Nb. TR 125 951 Ver. 17.0.0<br>Ref. RTR/TSGR-0425951vh00<br>Technical Body: 3GPP RAN 4 | Universal Mobile Telecommunications System (UMTS);<br>FDD Base Station (BS) classification<br>(3GPP TR 25.951 version 17.0.0 Release 17)  |

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| Doc. Nb. TR 125 943 Ver. 17.0.0<br>Ref. RTR/TSGR-0425943vh00<br>Technical Body: 3GPP RAN 4 | Universal Mobile Telecommunications System (UMTS);<br>Deployment aspects<br>(3GPP TR 25.943 version 17.0.0 Release 17)  |
| Doc. Nb. TR 125 942 Ver. 17.0.0<br>Ref. RTR/TSGR-0425942vh00<br>Technical Body: 3GPP RAN 4 | Universal Mobile Telecommunications System (UMTS);<br>Radio Frequency (RF) system scenarios<br>(3GPP TR 25.942 version 17.0.0 Release 17)   |
| Doc. Nb. TR 125 914 Ver. 17.0.0<br>Ref. RTR/TSGR-0425914vh00<br>Technical Body: 3GPP RAN 4 | Universal Mobile Telecommunications System (UMTS);<br>Measurements of radio performances for UMTS terminals in speech mode<br>(3GPP TR 25.914 version 17.0.0 Release 17)  |
| Doc. Nb. TR 125 906 Ver. 17.0.0<br>Ref. RTR/TSGR-0425906vh00<br>Technical Body: 3GPP RAN 4 | Universal Mobile Telecommunications System (UMTS);<br>Dynamically reconfiguring a Frequency Division Duplex (FDD) User Equipment (UE) receiver to reduce power consumption when desired Quality of Service (QoS) is met<br>(3GPP TR 25.906 version 17.0.0 Release 17) |
| Doc. Nb. TS 124 524 Ver. 17.0.0<br>Ref. RTS/TSGC-0124524vh00<br>Technical Body: 3GPP CT 1  | Universal Mobile Telecommunications System (UMTS); LTE;<br>Hosted enterprise services; Architecture, functional description and signalling<br>(3GPP TS 24.524 version 17.0.0 Release 17)  |
| Doc. Nb. TS 124 523 Ver. 17.0.0<br>Ref. RTS/TSGC-0124523vh00<br>Technical Body: 3GPP CT 1  | Universal Mobile Telecommunications System (UMTS); LTE;<br>Core and enterprise Next Generation Network (NGN) interaction scenarios; Architecture and functional description<br>(3GPP TS 24.523 version 17.0.0 Release 17)   |
| Doc. Nb. TS 124 417 Ver. 17.0.0<br>Ref. RTS/TSGC-0124417vh00<br>Technical Body: 3GPP CT 1  | LTE; 5G;<br>Management Object (MO) for Originating Identification Presentation (OIP) and Originating Identification Restriction (OIR) using IP Multimedia (IM) Core Network (CN) subsystem<br>(3GPP TS 24.417 version 17.0.0 Release 17)                              |
| Doc. Nb. TS 124 386 Ver. 17.0.0<br>Ref. RTS/TSGC-0124386vh00<br>Technical Body: 3GPP CT 1  | LTE;<br>User Equipment (UE) to V2X control function; protocol aspects; Stage 3<br>(3GPP TS 24.386 version 17.0.0 Release 17)  |
| Doc. Nb. TS 124 385 Ver. 17.0.0<br>Ref. RTS/TSGC-0124385vh00<br>Technical Body: 3GPP CT 1  | LTE;<br>V2X services Management Object (MO)<br>(3GPP TS 24.385 version 17.0.0 Release 17)   |

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| Doc. Nb. TS 124 337 Ver. 17.0.0<br>Ref. RTS/TSGC-0124337vh00<br>Technical Body: 3GPP CT 1 | Universal Mobile Telecommunications System (UMTS); LTE;<br>IP Multimedia (IM) Core Network (CN) subsystem IP Multimedia Subsystem (IMS) inter-UE transfer; Stage 3<br>(3GPP TS 24.337 version 17.0.0 Release 17)   |
| Doc. Nb. TS 124 333 Ver. 17.0.0<br>Ref. RTS/TSGC-0124333vh00<br>Technical Body: 3GPP CT 1 | Universal Mobile Telecommunications System (UMTS); LTE;<br>Proximity-services (ProSe) Management Objects (MO)<br>(3GPP TS 24.333 version 17.0.0 Release 17)  |
| Doc. Nb. TS 124 322 Ver. 17.0.0<br>Ref. RTS/TSGC-0124322vh00<br>Technical Body: 3GPP CT 1 | Universal Mobile Telecommunications System (UMTS); LTE;<br>Tunnelling of IP Multimedia Subsystem (IMS) services over restrictive access networks; Stage 3<br>(3GPP TS 24.322 version 17.0.0 Release 17)  |
| Doc. Nb. TS 124 315 Ver. 17.0.0<br>Ref. RTS/TSGC-0124315vh00<br>Technical Body: 3GPP CT 1 | Universal Mobile Telecommunications System (UMTS); LTE;<br>IP Multimedia Subsystem (IMS) Operator Determined Barring (ODB); Stage 3: protocol specification<br>(3GPP TS 24.315 version 17.0.0 Release 17)  |
| Doc. Nb. TS 124 305 Ver. 17.0.0<br>Ref. RTS/TSGC-0124305vh00<br>Technical Body: 3GPP CT 1 | Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G;<br>Selective Disabling of 3GPP User Equipment Capabilities (SDoUE) Management Object (MO)<br>(3GPP TS 24.305 version 17.0.0 Release 17) |