## 3GPP TSG RAN WG5#109 R5-255500 (Draft v2)

Draft

**Dallas, Texas, USA**

**17 – 21 November 2025**

# Opening Session Agenda

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| **Item** | **Subject** | **Tdoc** |
| **1** | **Opening of the meeting** |  |
| 1.1 | Welcoming brief by the host |  |
|  | Agenda for opening session |  |
|  | Review of the IPR obligations; Antitrust and Consensus principles - please read the statement at the end of this document |  |
|  | RAN5 Vice Chair Election |  |
|  | RAN5#109 Session Programme |  |
| **2** | **Reports** |  |
| 2.1 | Live Reports |  |
|  | RAN5 leadership team |  |
|  | RAN5#108 report review of minutes & APs - Sec |  |
|  | Latest RAN Plenary notes - Chair |  |
|  | Latest RAN Plenary draft Report |  |
|  | Post Plenary Active Work Item update - Sec |  |
|  | TF160 TTCN current status report - TF PM |  |
| 2.2 | General Reports for information |  |
|  | RAN5 SR to RP#109; copy of RP-251901 |  |
|  | TF160 SR to RP#109; copy of RP-251903 |  |
|  | GCF 3GPP TCL |  |
| **3** | **Incoming Liaison Statements** |  |
|  | 3GPP |  |
|  | Certification Bodies |  |
|  | Others |  |
| **4** | **RAN5 General Issues** |  |
| 4.1 | New Work Item proposals - for intro only |  |
| 4.2 | **General Discussion Papers** |  |
| 4.2.1 | 5GS |  |
| 4.2.2 | NR Applicability specifications (Software Implementation) |  |
| 4.2.3 | AI/ML Testability & Interoperability |  |
| 4.2.4 | 6G spec modernization & RAN5 aspects |  |
| 4.2.5 | All other topics |  |
| 4.3 | RAN5 PRDs/Templates |  |
| 4.4 | Meeting schedule for 2026-27 |  |
| 4.5 | Tdocs for mid-week joint session |  |
| 4.5.1 | Agenda for mid-week session |  |
| 4.5.2 | RF group docs for WG review/verdict - original A.I. retained |  |
| 4.5.3 | Sig group docs for WG review/verdict - original A.I. retained |  |
| 4.5.4 | Other open issues from joint sessions - original A.I. retained |  |
| 4.5.5 | Other |  |
| **5** | **RF Functional Area** |  |
| 5.1 | Review action points (fm A.I. 2.1) |  |
| 5.2 | Review incoming LS (fm A.I. 3) & new subject discussion papers |  |
| 5.3 | Open Work Items |  |
| 5.3.1 | REL-16 NR CA and DC; and NR and LTE DC Configurations (UID-830083) NR\_CADC\_NR\_LTE\_DC\_R16-UEConTest |  |
| 5.3.1.1 | TS 38.508-1 |  |
| 5.3.1.1.1 | Test frequencies (Clause 4.3.1) |  |
| 5.3.1.1.2 | Test environment for RF (Clauses 5) |  |
| 5.3.1.1.3 | Test environment for RRM (Clause 7) |  |
| 5.3.1.1.4 | Other clauses, Annexes |  |
| 5.3.1.2 | TS 38.508-2 |  |
| 5.3.1.3 | TS 38.521-1 |  |
| 5.3.1.3.1 | Tx Requirements (Clause 6) |  |
| 5.3.1.3.2 | Rx Requirements (Clause 7) |  |
| 5.3.1.3.3 | Clauses 1-5, Annexes |  |
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| 5.3.1.5.3 | Clauses 1-5, Annexes |  |
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| 5.3.1.6.2 | Radiated Demod Performance and CSI Reporting Requirements (Clauses 7&8) |  |
| 5.3.1.6.3 | Interworking Demod Performance and CSI Reporting Requirements (Clauses 9&10) |  |
| 5.3.1.6.4 | Clauses 1-4, Annexes |  |
| 5.3.1.7 | TS 38.522 |  |
| 5.3.1.8 | TS 38.533 |  |
| 5.3.1.9 | TR 38.903 (NR MU & TT analyses) |  |
| 5.3.1.10 | TR 38.905 (NR Test Points Radio Transmission and Reception) |  |
| 5.3.1.11 | Discussion Papers, Work Plan, TC lists |  |
| 5.3.2 | Rel-17 NR CA and DC; and NR and LTE DC Configurations (UID-900056) NR\_CADC\_NR\_LTE\_DC\_R17-UEConTest |  |
| 5.3.2.1 | TS 38.508-1 |  |
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| 5.3.2.9 | TR 38.903 (NR MU & TT analyses) |  |
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| 5.3.2.11 | Discussion Papers, Work Plan, TC lists |  |
| 5.3.3 | Introduction of FR2 FWA (Fixed Wireless Access) UE with maximum TRP (Total Radiated Power) of 23dBm for band n257 and n258 (UID-950062) NR\_FR2\_FWA\_Bn257\_Bn258-UEConTest |  |
| 5.3.3.1 | TS 38.508-1 |  |
| 5.3.3.2 | TS 38.508-2 |  |
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| 5.3.3.8 | TR 38.903 (NR MU & TT analyses) |  |
| 5.3.3.9 | TR 38.905 (NR Test Points Radio Transmission and Reception) |  |
| 5.3.3.10 | Discussion Papers, Work Plan, TC lists |  |
| 5.3.4 | Solutions for NR to support non-terrestrial networks (NTN) (UID-960074) NR\_NTN\_solutions\_plus\_CT-UEConTest |  |
| 5.3.4.1 | TS 38.508-1 |  |
| 5.3.4.2 | TS 38.508-2 |  |
| 5.3.4.3 | TS 38.509 |  |
| 5.3.4.4 | TS 38.521-5 |  |
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| 5.3.4.6 | TS 38.533 |  |
| 5.3.4.7 | TR 38.903 (NR MU & TT analyses) |  |
| 5.3.4.8 | TR 38.905 (NR Test Points Radio Transmission and Reception) |  |
| 5.3.4.9 | Discussion Papers, Work Plan, TC lists |  |
| 5.3.5 | NR support for high speed train scenario in frequency range 2 (FR2) (UID-960080) NR\_HST\_FR2-UEConTest |  |
| 5.3.5.1 | TS 38.508-1 |  |
| 5.3.5.2 | TS 38.508-2 |  |
| 5.3.5.3 | TS 38.521-2 |  |
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| 5.3.5.9 | Discussion Papers, Work Plan, TC lists |  |
| 5.3.6 | NR Sidelink Relay (UID-960083) NR\_SL\_relay-UEConTest |  |
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| 5.3.6.2 | TS 38.508-2 |  |
| 5.3.6.3 | TS 38.522 |  |
| 5.3.6.4 | TS 38.533 |  |
| 5.3.6.5 | TR 38.903 (NR MU & TT analyses) |  |
| 5.3.6.6 | Discussion Papers, Work Plan, TC lists |  |
| 5.3.7 | NR RRM enhancement (UID-960089) NR\_RRM\_enh-UEConTest |  |
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| 5.3.7.6 | TR 38.905 (NR Test Points Radio Transmission and Reception) |  |
| 5.3.7.7 | Discussion Papers, Work Plan, TC lists |  |
| 5.3.8 | Rel-18 High Power UE for NR CA and DC; and NR and LTE DC Configurations (UID-1000054) HPUE\_NR\_CADC\_NR\_LTE\_DC\_R18-UEConTest |  |
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| 5.3.8.2 | TS 38.508-2 |  |
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| 5.3.9 | Rel-17 Power Class 2 UE for NR inter-band CA/DC with or without SUL configurations with x (6>=x>2) bands DL and y (y=1, 2) bands UL (UID-1000056) NR\_UE\_PC2\_R17\_CADC\_SUL\_xBDL\_yBUL-UEConTest |  |
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| 5.3.12.10 | Discussion Papers, Work Plan, TC lists |  |
| 5.3.13 | Enhanced support of reduced capability NR devices plus CT1 aspects (UID-1030062) NR\_redcap\_enh\_plus\_CT1-UEConTest |  |
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| 5.3.40.1 | TS 38.508-1 |  |
| 5.3.40.1.1 | Test frequencies (Clause 4.3.1) |  |
| 5.3.40.1.2 | Test environment for RF (Clauses 5) |  |
| 5.3.40.1.3 | Test environment for RRM (Clause 7) |  |
| 5.3.40.1.4 | Other clauses, Annexes |  |
| 5.3.40.2 | TS 38.508-2 |  |
| 5.3.40.3 | TS 38.521-1 |  |
| 5.3.40.3.1 | Tx Requirements (Clause 6) |  |
| 5.3.40.3.2 | Rx Requirements (Clause 7) |  |
| 5.3.40.3.3 | Clauses 1-5, Annexes |  |
| 5.3.40.4 | TS 38.522 |  |
| 5.3.40.5 | TR 38.905 (NR Test Points Radio Transmission and Reception) |  |
| 5.3.40.6 | Discussion Papers, Work Plan, TC lists |  |
| 5.3.41 | Introduction of another IoT-NTN S-band (MSS band 2000-2020 MHz UL and 2180-2200 MHz DL) (UID-1090061) IoT\_NTN\_FDD\_S\_band-UEConTest |  |
| 5.3.41.1 | TS 36.508 |  |
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| 5.3.41.3 | TS 36.521-3 |  |
| 5.3.41.4 | TR 36.521-4 |  |
| 5.3.41.5 | Discussion Papers, Work Plan, TC lists |  |
| 5.3.42 | Channel raster enhancement (UID-1090062) NR\_channel\_raster\_enh-UEConTest |  |
| 5.3.42.1 | TS 38.508-1 |  |
| 5.3.42.1.1 | Test frequencies (Clause 4.3.1) |  |
| 5.3.42.1.2 | Test environment for RF (Clauses 5) |  |
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| 5.3.42.1.4 | Other clauses, Annexes |  |
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| 5.3.42.3.1 | Tx Requirements (Clause 6) |  |
| 5.3.42.3.2 | Rx Requirements (Clause 7) |  |
| 5.3.42.3.3 | Clauses 1-5, Annexes |  |
| 5.3.42.4 | TS 38.521-5 |  |
| 5.3.42.5 | TS 38.522 |  |
| 5.3.42.6 | TR 38.905 (NR Test Points Radio Transmission and Reception) |  |
| 5.3.42.7 | Discussion Papers, Work Plan, TC lists |  |
| 5.3.43 | Enhanced requirements and conductive test methodology for NR NTN and IoT NTN (UID-1090063) NR\_IoT\_NTN\_req\_test\_enh-UEConTest |  |
| 5.3.43.1 | TS 38.508-1 |  |
| 5.3.43.1.1 | Test frequencies (Clause 4.3.1) |  |
| 5.3.43.1.2 | Test environment for RF (Clauses 5) |  |
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| 5.3.43.1.4 | Other clauses, Annexes |  |
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| 5.3.43.3 | TS 38.521-5 |  |
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| 5.3.43.12 | TR 36.904 (E-UTRAN Radio Reception TT analyses) |  |
| 5.3.43.13 | TR 36.905 (E-UTRAN Test Points Radio Transmission and Reception ) |  |
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| 5.4.1.1 | Test frequencies (Clause 4.3.1) |  |
| 5.4.1.2 | Test environment for RF (Clauses 5) |  |
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| 5.4.4.1 | Tx Requirements (Clause 6) |  |
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| **6** | **Signalling Protocol Functional Area** |  |
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| 6.3.1.6 | Discussion Papers, Work Plan, TC lists |  |
| 6.3.2 | Rel-17 NR CA and DC; and NR and LTE DC Configurations (UID-900056) NR\_CADC\_NR\_LTE\_DC\_R17-UEConTest |  |
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| 6.3.2.6 | Discussion Papers, Work Plan, TC lists |  |
| 6.3.3 | Solutions for NR to support non-terrestrial networks (NTN) (UID-960074) NR\_NTN\_solutions\_plus\_CT-UEConTest |  |
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| 6.3.4.5 | Discussion Papers, Work Plan, TC lists |  |
| 6.3.5 | Rel-18 NR CA and DC; and NR and LTE DC Configurations (UID-1000057) NR\_CADC\_NR\_LTE\_DC\_R18-UEConTest |  |
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| 6.3.5.6 | Discussion Papers, Work Plan, TC lists |  |
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| 6.3.7.1 | TS 38.508-1 |  |
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| 6.3.7.7 | Discussion Papers, Work Plan, TC lists |  |
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| 6.3.10.4 | Discussion Papers, Work Plan, TC lists |  |
| 6.3.11 | Network energy savings for NR (UID-1030067) Netw\_Energy\_NR-UEConTest |  |
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| 6.3.11.2 | TS 38.508-2 |  |
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| 6.3.12.2 | TS 38.508-2 |  |
| 6.3.12.3 | TS 38.523-1 |  |
| 6.3.12.4 | TS 38.523-2 |  |
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| 6.3.12.6 | Discussion Papers, Work Plan, TC lists |  |
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| 6.3.13.1 | TS 38.508-1 |  |
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| 6.3.13.3 | TS 38.523-1 |  |
| 6.3.13.4 | TS 38.523-2 |  |
| 6.3.13.5 | TS 38.523-3 |  |
| 6.3.13.6 | Discussion Papers, Work Plan, TC lists |  |
| 6.3.14 | Enhanced NR support for high speed train scenario in frequency range 2 (FR2) (UID-1030071) NR\_HST\_FR2\_enh-UEConTest |  |
| 6.3.14.1 | TS 38.508-1 |  |
| 6.3.14.2 | TS 38.508-2 |  |
| 6.3.14.3 | TS 38.523-1 |  |
| 6.3.14.4 | TS 38.523-2 |  |
| 6.3.14.5 | TS 38.523-3 |  |
| 6.3.14.6 | Discussion Papers, Work Plan, TC lists |  |
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| 6.3.15.7 | Discussion Papers, Work Plan, TC lists |  |
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| 6.3.16.6 | Discussion Papers, Work Plan, TC lists |  |
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| 6.3.18.2 | TS 38.508-2 |  |
| 6.3.18.3 | TS 38.509 |  |
| 6.3.18.4 | TS 38.523-1 |  |
| 6.3.18.5 | TS 38.523-2 |  |
| 6.3.18.6 | TS 38.523-3 |  |
| 6.3.18.7 | Discussion Papers, Work Plan, TC lists |  |
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| 6.3.19.1 | TS 38.508-1 |  |
| 6.3.19.2 | TS 38.508-2 |  |
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| 6.3.20.1 | TS 38.508-1 |  |
| 6.3.20.2 | TS 38.509 |  |
| 6.3.20.3 | TS 37.571-2 |  |
| 6.3.20.4 | TS 37.571-3 |  |
| 6.3.20.5 | TS 37.571-4 |  |
| 6.3.20.6 | TS 37.571-5 |  |
| 6.3.20.7 | Discussion Papers, Work Plan, TC lists |  |
| 6.3.21 | Further NR mobility enhancements (UID-1040108) NR\_Mob\_enh2-UEConTest |  |
| 6.3.21.1 | TS 38.508-1 |  |
| 6.3.21.2 | TS 38.508-2 |  |
| 6.3.21.3 | TS 38.523-1 |  |
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| 6.3.22.8 | TS 38.508-2 |  |
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| 6.3.23 | NR NTN (non-Terrestrial Networks) enhancements plus CT aspects (UID-1050130) NR\_NTN\_enh\_plus\_CT-UEConTest |  |
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| 6.3.23.2 | TS 38.508-2 |  |
| 6.3.23.3 | TS 38.509 |  |
| 6.3.23.4 | TS 38.523-1 |  |
| 6.3.23.5 | TS 38.523-2 |  |
| 6.3.23.6 | TS 38.523-3 |  |
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| 6.3.24.1 | TS 36.508 |  |
| 6.3.24.2 | TS 36.509 |  |
| 6.3.24.3 | TS 36.523-1 |  |
| 6.3.24.4 | TS 36.523-2 |  |
| 6.3.24.5 | TS 36.523-3 |  |
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| 6.3.25 | Further enhancements on NR and MR-DC measurement gaps and measurements without gaps (UID-1050132) NR\_MG\_enh2-UEConTest |  |
| 6.3.25.1 | TS 38.508-1 |  |
| 6.3.25.2 | TS 38.508-2 |  |
| 6.3.25.3 | TS 38.523-1 |  |
| 6.3.25.4 | TS 36.523-1 |  |
| 6.3.25.5 | TS 36.523-2 |  |
| 6.3.25.6 | Discussion Papers, Work Plan, TC lists |  |
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| 6.3.26.1 | TS 38.508-1 |  |
| 6.3.26.2 | TS 38.509 |  |
| 6.3.26.3 | TS 36.508 |  |
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| 6.3.26.8 | TS 34.229-5 |  |
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| 6.3.27.1 | TS 38.508-1 |  |
| 6.3.27.2 | TS 38.508-2 |  |
| 6.3.27.3 | TS 38.523-1 |  |
| 6.3.27.4 | TS 38.523-2 |  |
| 6.3.27.5 | TS 38.523-3 |  |
| 6.3.27.6 | TS 36.508 |  |
| 6.3.27.7 | TS 36.523-1 |  |
| 6.3.27.8 | TS 36.523-2 |  |
| 6.3.27.9 | TS 36.523-3 |  |
| 6.3.27.10 | TS 34.229-1 |  |
| 6.3.27.11 | TS 34.229-2 |  |
| 6.3.27.12 | TS 34.229-3 |  |
| 6.3.27.13 | TS 34.229-5 |  |
| 6.3.27.14 | Discussion Papers, Work Plan, TC lists |  |
| 6.3.28 | Enhancements of NR Multicast and Broadcast Services including CT aspects (UID-1060077) NR\_MBS\_enh\_5MBS\_Ph2-UEConTest |  |
| 6.3.28.1 | TS 38.508-1 |  |
| 6.3.28.2 | TS 38.508-2 |  |
| 6.3.28.3 | TS 38.509 |  |
| 6.3.28.4 | TS 38.523-1 |  |
| 6.3.28.5 | TS 38.523-2 |  |
| 6.3.28.6 | TS 38.523-3 |  |
| 6.3.28.7 | Discussion Papers, Work Plan, TC lists |  |
| 6.3.29 | NR Support for UAV (Uncrewed Aerial Vehicles) plus CT1 aspects (UID-1070060) NR\_UAV\_plus\_CT1-UEConTest |  |
| 6.3.29.1 | TS 38.508-1 |  |
| 6.3.29.2 | TS 38.508-2 |  |
| 6.3.29.3 | TS 38.523-1 |  |
| 6.3.29.4 | TS 38.523-2 |  |
| 6.3.29.5 | TS 38.523-3 |  |
| 6.3.29.6 | Discussion Papers, Work Plan, TC lists |  |
| 6.3.30 | Access Traffic Steering, Switch and Splitting support in the 5G system architecture; Phase 3 (UID-1070061) ATSSS\_Ph3-UEConTest |  |
| 6.3.30.1 | TS 38.508-1 |  |
| 6.3.30.2 | TS 38.508-2 |  |
| 6.3.30.3 | TS 38.523-1 |  |
| 6.3.30.4 | TS 38.523-2 |  |
| 6.3.30.5 | TS 38.523-3 |  |
| 6.3.30.6 | Discussion Papers, Work Plan, TC lists |  |
| 6.3.31 | Rel-19 NR CA and DC; and NR and LTE DC Configurations (UID-1070063) NR\_CADC\_NR\_LTE\_DC\_R19-UEConTest |  |
| 6.3.31.1 | TS 38.508-1 |  |
| 6.3.31.2 | TS 38.508-2 |  |
| 6.3.31.3 | TS 38.523-1 |  |
| 6.3.31.4 | TS 38.523-2 |  |
| 6.3.31.5 | TS 38.523-3 |  |
| 6.3.31.6 | Discussion Papers, Work Plan, TC lists |  |
| 6.3.32 | MPS when access to EPC/5GC is WLAN (UID-1080075) MPS\_WLAN-UEConTest |  |
| 6.3.32.1 | TS 38.508-1 |  |
| 6.3.32.2 | TS 38.508-2 |  |
| 6.3.32.3 | TS 38.523-1 |  |
| 6.3.32.4 | TS 38.523-2 |  |
| 6.3.32.5 | TS 38.523-3 |  |
| 6.3.32.6 | TS 36.508 |  |
| 6.3.32.7 | TS 36.523-1 |  |
| 6.3.32.8 | TS 36.523-2 |  |
| 6.3.32.9 | TS 36.523-3 |  |
| 6.3.32.10 | Discussion Papers, Work Plan, TC lists |  |
| 6.3.33 | New Rel-19 NR licensed bands and extension of existing NR bands (UID-1080080) NR\_lic\_bands\_BW\_R19-UEConTest |  |
| 6.3.33.1 | TS 38.508-1 |  |
| 6.3.33.2 | TS 38.508-2 |  |
| 6.3.33.3 | TS 38.523-3 |  |
| 6.3.33.4 | Discussion Papers, Work Plan, TC lists |  |
| 6.3.34 | Introduction of another IoT-NTN S-band (MSS band 2000-2020 MHz UL and 2180-2200 MHz DL) (UID-1090061) IoT\_NTN\_FDD\_S\_band-UEConTest |  |
| 6.3.34.1 | TS 36.508 |  |
| 6.3.34.2 | TS 36.523-1 |  |
| 6.3.34.3 | TS 36.523-2 |  |
| 6.3.34.4 | Discussion Papers, Work Plan, TC lists |  |
| 6.3.35 | Channel raster enhancement (UID-1090062) NR\_channel\_raster\_enh-UEConTest |  |
| 6.3.35.1 | TS 38.508-1 |  |
| 6.3.35.2 | TS 38.523-1 |  |
| 6.3.35.3 | Discussion Papers, Work Plan, TC lists |  |
| 6.4 | Routine Maintenance for TS 38 Series TEIx\_Test |  |
| 6.4.1 | TS 38.508-1 |  |
| 6.4.1.1 | Generic Procedures and Test Procedures (Clauses 4.5, 4.5A & 4.9) |  |
| 6.4.1.2 | Default NG-RAN RRC messages and IEs (Clause 4.6) |  |
| 6.4.1.3 | Default 5GC NAS messages and IEs (Clause 4.7) |  |
| 6.4.1.4 | Test environment for SIG (Clause 6) |  |
| 6.4.1.5 | Other clauses, Annexes |  |
| 6.4.2 | TS 38.508-2 |  |
| 6.4.3 | TS 38.509 |  |
| 6.4.4 | TS 38.523-1 |  |
| 6.4.4.1 | Clauses 1 - 5 |  |
| 6.4.4.2 | Idle Mode (Clause 6) |  |
| 6.4.4.3 | Layer 2 |  |
| 6.4.4.3.1 | NR Layer 2 |  |
| 6.4.4.3.1.1 | Common Test Case Specific Values for Layer 2 (Clause 7.1.0) |  |
| 6.4.4.3.1.2 | MAC |  |
| 6.4.4.3.1.3 | RLC |  |
| 6.4.4.3.1.4 | PDCP |  |
| 6.4.4.3.1.5 | SDAP |  |
| 6.4.4.4 | RRC |  |
| 6.4.4.4.1 | NR RRC |  |
| 6.4.4.4.1.1 | RRC Connection Management Procedures (clause 8.1.1) |  |
| 6.4.4.4.1.2 | RRC Reconfiguration (clause 8.1.2) |  |
| 6.4.4.4.1.3 | RRC Measurement Configuration Control and Reporting (clause 8.1.3) |  |
| 6.4.4.4.1.4 | RRC Handover (clause 8.1.4) |  |
| 6.4.4.4.1.5 | RRC Others (clause 8.1.5) |  |
| 6.4.4.4.1.6 | RRC SON and MDT support for NR (clause 8.1.6) |  |
| 6.4.4.4.1.7 | RRC Non-public networks (clause 8.1.7) |  |
| 6.4.4.4.2 | MR-DC RRC |  |
| 6.4.4.4.2.1 | RRC UE Capability / Others (clause 8.2.1) |  |
| 6.4.4.4.2.2 | RRC Radio Bearer (clause 8.2.2) |  |
| 6.4.4.4.2.3 | RRC Measurement / Handovers (clause 8.2.3) |  |
| 6.4.4.4.2.4 | RRC Carrier Aggregation (clause 8.2.4) |  |
| 6.4.4.4.2.5 | RRC Reconfiguration / Radio Link Failure (clause 8.2.5) |  |
| 6.4.4.4.2.6 | RRC Others (clause 8.2.6) |  |
| 6.4.4.4.2.7 | RRC Resume (clause 8.2.7) |  |
| 6.4.4.5 | 5GS Mobility Management |  |
| 6.4.4.5.1 | MM Primary authentication and key agreement (clause 9.1.1) |  |
| 6.4.4.5.2 | MM Security mode control, Identification & Generic UE configuration update (clauses 9.1.2, 9.1.3 & 9.1.4) |  |
| 6.4.4.5.3 | MM Registration & De-registration (clauses 9.1.5 & 9.1.6) |  |
| 6.4.4.5.4 | MM Service Request (clause 9.1.7) |  |
| 6.4.4.5.5 | MM SMS Over NAS (clause 9.1.8) |  |
| 6.4.4.5.6 | RACS (clause 9.1.9) |  |
| 6.4.4.5.7 | MM Network slice-specific authentication and authorization (clause 9.1.10) |  |
| 6.4.4.5.8 | MM SNPN (clause 9.1.11) |  |
| 6.4.4.5.9 | MM NSAC/NSSRG (clauses 9.1.12 & 9.1.13) |  |
| 6.4.4.5.10 | MM Paging Early Indication (clause 9.1.14) |  |
| 6.4.4.6 | 5GS Non-3GPP Access Mobility Management (clause 9.2) |  |
| 6.4.4.7 | 5GS Inter-system Mobility (clause 9.3) |  |
| 6.4.4.8 | 5GS Session Management |  |
| 6.4.4.8.1 | SM PDU session authentication and authorization (clause 10.1.1) |  |
| 6.4.4.8.2 | SM Network-requested PDU session modification & release (clauses 10.1.2 & 10.1.3) |  |
| 6.4.4.8.3 | SM UE-requested PDU session establishment, modification & release (clauses 10.1.4, 10.1.5 & 10.1.6) |  |
| 6.4.4.8.4 | SM NSAC (clauses 10.1.8) |  |
| 6.4.4.9 | EN-DC Session Management (clause 10.2) |  |
| 6.4.4.10 | 5GS Non-3GPP Access & ATSS Session Management (clauses 10.3, 10.4 & 10.5) |  |
| 6.4.4.11 | 5GS Multilayer and Services |  |
| 6.4.4.11.1 | EPS Fallback (clause 11.1) |  |
| 6.4.4.11.2 | 5G-SRVCC (clause 11.2) |  |
| 6.4.4.11.3 | Unified Access Control (UAC) (clause 11.3) |  |
| 6.4.4.11.4 | Emergency Services (clause 11.4) |  |
| 6.4.4.11.5 | eCall over IMS (clause 11.5) |  |
| 6.4.4.11.6 | 3GPP PS Data Off (clause 11.6) |  |
| 6.4.4.11.7 | eDRX (clause 11.7) |  |
| 6.4.4.11.8 | Inter-system mobility between untrusted Non-3GPP and 3GPP system (clause 11.8) |  |
| 6.4.4.11.9 | Inter-system mobility with established MA PDU session in 5GS (clause 11.9) |  |
| 6.4.4.12 | NR Sidelink (clauses 12 & 13) |  |
| 6.4.4.13 | MBS (clause 14) |  |
| 6.4.5 | TS 38.523-2 |  |
| 6.4.6 | TS 38.523-3 |  |
| 6.4.7 | Discussion Papers, Work Plan, TC lists |  |
| 6.5 | Routine Maintenance for TS 36 Series TEIx\_Test |  |
| 6.5.1 | Routine Maintenance for TS 36.508 |  |
| 6.5.2 | Routine Maintenance for TS 36.509 |  |
| 6.5.3 | Routine Maintenance for TS 36.523-1 |  |
| 6.5.3.1 | Idle Mode |  |
| 6.5.3.2 | Layer 2 |  |
| 6.5.3.2.1 | MAC |  |
| 6.5.3.2.2 | RLC |  |
| 6.5.3.2.3 | PDCP |  |
| 6.5.3.3 | RRC |  |
| 6.5.3.3.1 | RRC Part 1 (clauses 8.1 and 8.5) |  |
| 6.5.3.3.2 | RRC Part 2 (clause 8.2) |  |
| 6.5.3.3.3 | RRC Part 3 (clause 8.3) |  |
| 6.5.3.3.4 | Inter-RAT (clauses 8.4 & 8.4A) |  |
| 6.5.3.3.5 | RRC LTE MDT (clause 8.6) |  |
| 6.5.3.3.6 | RRC ANR for UTRAN (clause 8.7) |  |
| 6.5.3.4 | EPS Mobility Management |  |
| 6.5.3.5 | EPS Session Management |  |
| 6.5.3.6 | General Tests |  |
| 6.5.3.7 | Interoperability Radio Bearers |  |
| 6.5.3.8 | Multilayer Procedures |  |
| 6.5.3.9 | PWS - ETWS, CMAS |  |
| 6.5.3.10 | Non-3GPP |  |
| 6.5.3.11 | Others (TS 36.523-1 clauses not covered by other AIs under AI 6.5.3, e.g. eMBMS, Home (e)NB, MBMS in LTE, D2D, SC-PTM, NB-IoT, CIoT...) |  |
| 6.5.4 | Routine Maintenance for TS 36.523-2 |  |
| 6.5.5 | Routine Maintenance for TS 36.523-3 |  |
| 6.5.6 | Discussion Papers, Work Plan, TC lists |  |
| 6.6 | Other Maintenance TEIx\_Test |  |
| 6.6.1 | Routine Maintenance for TS 34.108 |  |
| 6.6.2 | Routine Maintenance for TS 34.109 |  |
| 6.6.3 | Routine Maintenance for TS 34.123 |  |
| 6.6.3.1 | TS 34.123-1 |  |
| 6.6.3.2 | TS 34.123-2 |  |
| 6.6.3.3 | TS 34.123-3 |  |
| 6.6.4 | Discussion Papers, Work Plan, TC lists |  |
| 6.6.6 | Routine Maintenance for TS 34.229 |  |
| 6.6.6.1 | TS 34.229-1 |  |
| 6.6.6.2 | TS 34.229-2 |  |
| 6.6.6.3 | TS 34.229-3 |  |
| 6.6.6.4 | TS 34.229-4 |  |
| 6.6.6.5 | TS 34.229-5 |  |
| 6.6.6.6 | Discussion Papers, Work Plan, TC lists |  |
| 6.6.7 | Routine Maintenance for TS 37.571 |  |
| 6.6.7.1 | TS 37.571-2 |  |
| 6.6.7.2 | TS 37.571-3 |  |
| 6.6.7.3 | TS 37.571-4 |  |
| 6.6.7.4 | TS 37.571-5 |  |
| 6.6.7.5 | Discussion Papers, Work Plan, TC lists |  |
| 6.6.8 | Routine Maintenance for TS 51.010 |  |
| 6.6.8.1 | TS 51.010-1 (Signalling) |  |
| 6.6.8.2 | TS 51.010-2 (Signalling) |  |
| 6.6.8.3 | TS 51.010-5 (Signalling) |  |
| 6.6.8.4 | TS 51.010-7 (Signalling) |  |
| 6.6.8.5 | Discussion Papers, Work Plan, TC list & CR summary |  |
| 6.6.9 | Routine Maintenance for TS 37.579 |  |
| 6.6.9.1 | TS 37.579-1 |  |
| 6.6.9.2 | TS 37.579-2 |  |
| 6.6.9.3 | TS 37.579-4 |  |
| 6.6.9.4 | TS 37.579-5 |  |
| 6.6.9.5 | TS 37.579-6 |  |
| 6.6.9.6 | TS 37.579-7 |  |
| 6.6.9.7 | Discussion Papers, Work Plan, TC lists |  |
| 6.7 | Outgoing liaison statements for provisional approval |  |
| 6.8 | AOB |  |
| **7** | **Closing Joint Session** |  |
| 7.1 | Agenda for closing session |  |
| 7.2 | Pointer CRs |  |
| 7.3 | Open Issues |  |
| 7.3.1 | RF group docs still requiring WG verdict/confirmation - original A.I. retained |  |
| 7.3.2 | Sig group docs still requiring WG verdict/confirmation - original A.I. retained |  |
| 7.3.3 | Other open issues from joint sessions - original A.I. retained |  |
| 7.3.4 | Other |  |
| 7.4 | iWD/PRD Updates |  |
| 7.4.1 | iWD-003: Record of RAN5 owned test cases not ready for RAN5 agreement or verifiable on one UE only |  |
| 7.4.2 | PRD17: Guidance to using Work Item Codes with RAN5 test cases |  |
| 7.4.3 | PRD20: Status updates E-UTRA CA |  |
| 7.4.4 | PRD21: Status Updates and Completion Declaration Statements (CDS) for NR bands, NR band CBW extensions, 5G NR CADC configurations for all Power Classes |  |
| 7.4.5 | Other PRD updates |  |
| 7.5 | Work Items/ Study Items |  |
| 7.5.1 | Final version of Work Item Proposals |  |
| 7.5.2 | Active Work Items/ Study Item: work plans (wp), status reports (sr), Work Item Descriptions (wid) |  |
|  | Rel-16 NR CA and DC; and NR and LTE DC Configurations (UID-830083) NR\_CADC\_NR\_LTE\_DC\_R16-UEConTest | Dec 25, CMCC |
|  | Rel-17 NR CA and DC; and NR and LTE DC Configurations (UID-900056) NR\_CADC\_NR\_LTE\_DC\_R17-UEConTest | Dec 25, Huawei |
|  | Introduction of FR2 FWA (Fixed Wireless Access) UE with maximum TRP (Total Radiated Power) of 23dBm for band n257 and n258 (UID-950062) NR\_FR2\_FWA\_Bn257\_Bn258-UEConTest | Dec 25, Huawei |
|  | Solutions for NR to support non-terrestrial networks (NTN) (UID-960074) NR\_NTN\_solutions\_plus\_CT-UEConTest | Dec 25, Qualcomm |
|  | NR support for high speed train scenario in frequency range 2 (FR2) (UID-960080) NR\_HST\_FR2-UEConTest | Dec 25, Samsung |
|  | NR Sidelink Relay (UID-960083) NR\_SL\_relay-UEConTest | Dec 25, CATT |
|  | NR RRM enhancement (UID-960089) NR\_RRM\_enh-UEConTest | Dec 25, Apple |
|  | Rel-18 High Power UE for NR CA and DC; and NR and LTE DC Configurations (UID-1000054) HPUE\_NR\_CADC\_NR\_LTE\_DC\_R18-UEConTest | Dec 25, China Telecom |
|  | Rel-17 Power Class 2 UE for NR inter-band CA/DC with or without SUL configurations with x (6>=x>2) bands DL and y (y=1, 2) bands UL (UID-1000056) NR\_UE\_PC2\_R17\_CADC\_SUL\_xBDL\_yBUL-UEConTest | Dec 25, Huawei |
|  | Rel-18 NR CA and DC; and NR and LTE DC Configurations (UID-1000057) NR\_CADC\_NR\_LTE\_DC\_R18-UEConTest | Dec 25, Huawei |
|  | Air-to-ground network for NR (UID-1020087) NR\_ATG-UEConTest | Dec 25, CMCC |
|  | NR support for dedicated spectrum less than 5MHz for FR1 (UID-1030060) NR\_FR1\_lessthan\_5MHz\_BW-UEConTest | Dec 25, Nokia |
|  | Enhanced support of reduced capability NR devices plus CT1 aspects (UID-1030062) NR\_redcap\_enh\_plus\_CT1-UEConTest | Dec 25, China Unicom |
|  | XR (eXtended Reality) enhancements for NR plus CT1 aspects (UID-1030063) NR\_XR\_enh\_plus\_CT1-UEConTest | Dec 25, Nokia |
|  | NR RF requirements enhancement for frequency range 2 (FR2), Phase 3 (UID-1030065) NR\_RF\_FR2\_req\_Ph3-UEConTest | Dec 25, Apple |
|  | Further RF requirements enhancement for NR and EN-DC in frequency range 1 (UID-1030066) NR\_ENDC\_RF\_FR1\_enh2-UEConTest | Dec 25, Huawei |
|  | Network energy savings for NR (UID-1030067) Netw\_Energy\_NR-UEConTest | Dec 25, Huawei |
|  | Further NR coverage enhancements (UID-1030069) NR\_cov\_enh2-UEConTest | Dec 25, China Telecom |
|  | Multi-carrier enhancements for NR (UID-1030070) NR\_MC\_enh-UEConTest | Dec 25, China Telecom |
|  | Enhanced NR support for high speed train scenario in frequency range 2 (FR2) (UID-1030071) NR\_HST\_FR2\_enh-UEConTest | Dec 25, Samsung |
|  | NR MIMO evolution for downlink and uplink (UID-1030072) NR\_MIMO\_evo\_DL\_UL-UEConTest | Dec 25, Samsung |
|  | IoT (Internet of Things) NTN (non-terrestrial network) enhancements plus CT1 aspects (UID-1030073) IoT\_NTN\_enh\_plus\_CT1-UEConTest | Dec 25, CMCC |
|  | Mobile Terminated-Small Data Transmission (MT-SDT) for NR (UID-1040103) NR\_MT\_SDT-UEConTest | Dec 25, Qualcomm |
|  | In-Device Co-existence (IDC) enhancements for NR and MR-DC (UID-1040104) NR\_IDC\_enh-UEConTest | Jun 26, CMCC |
|  | NR demodulation performance evolution (UID-1040105) NR\_demod\_enh3-UEConTest | Dec 25, China Telecom |
|  | Non-Public Networks Phase 2: NG-RAN aspects plus CT1 aspects (UID-1040106) eNPN\_Ph2-NGRAN\_plus\_CT1-UEConTest | Dec 25, China Telecom |
|  | Expanded and improved NR positioning (UID-1040107) NR\_pos\_enh2-UEConTest | Jun 26, CATT |
|  | Further NR mobility enhancements (UID-1040108) NR\_Mob\_enh2-UEConTest | Dec 25, MediaTek |
|  | Requirement for NR frequency range 2 (FR2) multi-Rx chain DL reception (UID-1040113) NR\_FR2\_multiRX\_DL-UEConTest | Dec 25, Qualcomm |
|  | Protocol enhancements for Mission Critical Services (MCPTT, MCVideo, MCData) for Rel-17 (UID-1050128) MCProtoc17\_enh3MCPTT\_eMCData3\_MCOver5GS-UEConTest | Dec 25, Ericsson |
|  | NR NTN (non-Terrestrial Networks) enhancements plus CT aspects (UID-1050130) NR\_NTN\_enh\_plus\_CT-UEConTest | Dec 25, Qualcomm |
|  | New bands and bandwidth allocation for LTE based 5G terrestrial broadcast (UID-1050131) LTE\_terr\_bcast\_bands\_part2-UEConTest | Dec 25, Qualcomm |
|  | Further enhancements on NR and MR-DC measurement gaps and measurements without gaps (UID-1050132) NR\_MG\_enh2-UEConTest | Dec 25, MediaTek |
|  | IMS Data Channel for NG RTC (Real Time Communication) (UID-1050133) NG\_RTC\_IMS\_dataCH-UEConTest | Dec 25, Huawei |
|  | Alignment of eCall over IMS with CEN (UID-1060075) eCallCEN-UEConTest | Mar 26, Qualcomm |
|  | Enhancements of NR Multicast and Broadcast Services including CT aspects (UID-1060077) NR\_MBS\_enh\_5MBS\_Ph2-UEConTest | Dec 25, CATT |
|  | NR Support for UAV (Uncrewed Aerial Vehicles) plus CT1 aspects (UID-1070060) NR\_UAV\_plus\_CT1-UEConTest | Mar 26, China Unicom |
|  | Access Traffic Steering, Switch and Splitting support in the 5G system architecture; Phase 3 (UID-1070061) ATSSS\_Ph3-UEConTest | Mar 26, China Telecom |
|  | Introduction of Power Class 2 and UE 40MHz Channel Bandwidth in NR band n28 (UID-1070062) NR\_n28\_PC2\_40MHz\_CBW-UEConTest | Mar 26, CMCC |
|  | Rel-19 NR CA and DC; and NR and LTE DC Configurations (UID-1070063) NR\_CADC\_NR\_LTE\_DC\_R19-UEConTest | Dec 26, Huawei |
|  | MPS when access to EPC/5GC is WLAN (UID-1080075) MPS\_WLAN-UEConTest | Mar 26, China Telecom |
|  | Rel-19 High power UE (power class 1.5 and 2) for NR FR1 TDD/FDD single band for handheld/FWA UEs, and high power UE operation (power class 2, 1.5 and 1) for FWVM (fixed-wireless/vehicle-mounted) use cases in a single NR band (UID-1080076) HPUE\_NR\_FR1\_bands\_R19-UEConTest | Jun 26, CMCC |
|  | NR channel BW less than 5MHz for FR1 Phase 2 (UID-1080077) NR\_FR1\_lessthan\_5MHz\_BW\_Ph2-UEConTest | Dec 26, China Telecom |
|  | NR power class 2 RedCap (Reduced Capability) UE in FR1 (UID-1080078) NR\_PC2\_RedCap\_UE-UEConTest | Dec 26, China Telecom |
|  | Rel-18 LTE CA Configurations (UID-1080079) LTE\_CA\_R18-UEConTest | Sep 26, China Telecom |
|  | New Rel-19 NR licensed bands and extension of existing NR bands (UID-1080080) NR\_lic\_bands\_BW\_R19-UEConTest | Jun 27, Huawei |
|  | Rel-19 High power UE (power class 1.5 or 2) for Dual Connectivity (DC) combinations of LTE band(s) and NR band(s) (UID-1080081) HPUE\_DC\_LTE\_NR\_R19-UEConTest | Dec 26, China Unicom |
|  | mmWave in NR UE spurious emissions and EESS (Earth Exploration Satellite Service) protection (UID-1080082) NR\_mmWave\_protect-UEConTest | Jun 26, China Unicom |
|  | Additional NR bands for NR features in Rel-19 (UID-1090060) NR\_bands\_xFeature\_R19-UEConTest | Dec 26, ZTE |
|  | Introduction of another IoT-NTN S-band (MSS band 2000-2020 MHz UL and 2180-2200 MHz DL) (UID-1090061) IoT\_NTN\_FDD\_S\_band-UEConTest | Mar 26, MediaTek |
|  | Channel raster enhancement (UID-1090062) NR\_channel\_raster\_enh-UEConTest | Sep 26, China Telecom |
|  | Enhanced requirements and conductive test methodology for NR NTN and IoT NTN (UID-1090063) NR\_IoT\_NTN\_req\_test\_enh-UEConTest | Dec 26, Xiaomi |
|  | WI Progress and Target Completion Date Review |  |
| 7.5.3 | Work Plan updates of recently closed work items |  |
| 7.6 | Docs still needing agreement/endorsement/approval (e.g. Outgoing LS, Reports, New Specs, Info for certification bodies etc.) |  |
|  | Liaison statements either already provisionally approved in sub groups or awaiting approval |  |
|  | Updated TF 160 Report (TF Manager) |  |
|  | TS/TR release upgrade confirmation |  |
|  | New specifications for info/approval |  |
|  | Draft minutes of RAN5#109 |  |
|  | RAN5#109 summary of changes to RAN5 test cases with potential impact on GCF and PTCRB |  |
| 7.7 | Confirmation of Future RAN5 Matters |  |
|  | Updated meeting schedule for 2026-27 |  |
|  | Review deadlines for next quarter |  |
|  | Look forward to the next RAN5 meeting |  |
| 7.8 | AOB |  |
|  | Valedictories |  |
|  | **Meeting to close no later than 1600 hrs on 21 Nov 2025** |  |

# Reminder for IPR declaration

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| I draw your attention to your obligations under the 3GPP Partner Organizations’ IPR policies. Every Individual Member organization is obliged to declare to the Partner Organization or Organizations of which it is a member any IPR owned by the Individual Member or any other organization which is or is likely to become essential to the work of 3GPP.  Delegates are asked to take note that they are thereby invited:   * to investigate whether their organization or any other organization owns IPRs which were, or were likely to become Essential in respect of the work of 3GPP. * to notify their respective Organizational Partners of all potential IPRs, e.g., for ETSI, by means of the IPR Information Statement and the Licensing declaration forms (e.g. see the ETSI IPR forms <http://webapp.etsi.org/Ipr/>). |

**Antitrust Guidance**

“I also draw your attention to the fact that 3GPP activities are subject to all applicable antitrust and competition laws and that compliance with said laws is therefore required of any participant of this TSG/WG meeting including the Chairman and Vice Chairman. In case of question I recommend that you contact your legal counsel.

The leadership shall conduct the present meeting with impartiality and in the interests of 3GPP.

Furthermore, I would like to remind you that timely submission of work items in advance of TSG/WG meetings is important to allow for full and fair consideration of such matters.”

<http://www.3gpp.org/about-3gpp/legal-matters/21-3gpp-calendar/1616-statement-of-antitrust-compliance>

**Consensus principles reminder**

The attention of the delegates to the meeting is drawn to the fact that 3GPP endeavours to reach consensus on all decisions and therefore depends on a cooperative spirit of the Individual Members. In particular, Individual Members are encouraged to seek a consensus-based solution and only to sustain objections as a very last resort, and where absolutely necessary and well justified. The leadership will conduct the present meeting in a manner whereby informal methods of reaching consensus are encouraged, whilst ensuring that well justified concerns are taken into account.