**3GPP TSG-CT WG4 Meeting #126 C4-245006**

**Orlando, U.S; 18th – 22nd November 2024**

**Source: Chairman, TSG-CT WG4**

**Title: Proposed allocation of documents to agenda items for CT4#126, status at on eve of meeting**

**Agenda item: 2**

**Document for: INFORMATION**

Document available, not yet treated

Document available late, not yet treated

Document not available

Document treated

Document available later

NOTE 1: Hyperlinks assume that this document is extracted and stored in a directory and all documents are in a subdirectory "docs" of this directory.

NOTE 2: Late arrived Contributions will be handled only, if time allows and any company has the right to ask for postponing the document to the next meeting. The detailed agenda and time plan on eve of meeting, and the proposed allocation of documents to agenda items, are treated as being received on time even though they are available only at the start of the meeting (the chair does have **some** privileges)

NOTE 3: If a document which was received late (after the deadline) is a revision of a document which was received before the deadline, it is treated as being received on time.

| Agenda | Agenda Item Title | **Tdoc****CP-24#** | Document Title | Source | Decision | Notes |
| --- | --- | --- | --- | --- | --- | --- |
| **1** | **Opening of the meeting** |  |  |  |  |  |
| **1.1** | **Welcome speech** |  |  |  |  | Welcome speech and other administrative information |
|  |  |  |  |  |  |  |
| **1.2** | **IPR Declarations** |  |  |  |  | Reminder about the IPR declaration |
|  |  |  |  |  |  | The attention of the delegates to the meeting of this Technical Specification Group is drawn to the fact that 3GPP Individual Members have the obligation under the IPR Policies of their respective Organizational Partners to inform their respective Organizational Partners of Essential IPRs they become aware of. The 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  |
| **1.3** | **Antitrust declarations** |  |  |  |  | Reminder about the antitrust and competition laws |
|  |  |  |  |  |  | I also draw your attention to the fact that 3GPP activities are subject to 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 present meeting will be conducted with strict 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/SWG meetings is important to allow for full and fair consideration of such matters. |
| **1.4** | **Reminder for delegates attending the meeting** |  |  |  |  |  |
|  |  |  |  |  |  | This meeting counts towards accrual and maintenance of voting rights.* Please register using 3GPP portal: [3GPP Portal > Home](https://portal.3gpp.org/#/)..
* Please confirm your participation by checking in by using the link provided by the tool when performing registration. Only possible after start of the meeting and before closing of the meeting.
* Meeting guidelines are provided in C4-245002
 |
| **2** | **Allocation of Documents to Agenda Items** |  |  |  |  |  |
|  |  | [5001](./docs/C4-245001.zip) | agenda Draft Agenda | CT4 Chair |  |  |
|  |  | [5002](./docs/C4-245002.zip) | other eMeeting guidelines for CT4 Working Group meeting | CT4 Chair |  |  |
|  |  | [5003](./docs/C4-245003.zip) | agenda Detailed agenda & time plan for CT4 meeting: status at document deadline | CT4 Chair |  |  |
|  |  | [5004](./docs/C4-245004.zip) | agenda Detailed agenda & time plan for CT4 meeting: status on eve of meeting | CT4 Chair |  |  |
|  |  | [5005](./docs/C4-245005.zip) | agenda Proposed allocation of documents to agenda items for CT4 meeting: status at document deadline | CT4 Chair |  |  |
|  |  | [5006](./docs/C4-245006.zip) | agenda Proposed allocation of documents to agenda items for CT4 meeting: status on eve of meeting | CT4 Chair |  |  |
|  |  | 5007 | agenda The allocation of documents to agenda items for CT4 meeting: status at the end of meeting | CT4 Chair |  |  |
| **3** | **Reports** |  |  |  |  |  |
|  |  | 5008 | report Previous TSG CT & SA Status Report | CT4 Chair | withdrawn |  |
|  |  | [5009](./docs/C4-245009.zip) | report Previous CT4 meeting report | MCC |  |  |
| **4** | **Liaison statements** |  |  |  |  | All Liaison statements are handled under this agenda item |
| **4.1** | **Incoming liaisons** |  |  |  |  |  |
|  | **Plenary** | [5012](./docs/C4-245012.zip) | LS in Rel-19 LS on supporting the 3xx based redirection mechanism for the "inner" resource creation | CT WG3 |  | C3-244576To: CT4CC: CT1Contact: EricssonPostponed from CT4#125Chair’s note from CT4#125: CT4 is fine with the proposal from CT3, and CT4 sees a need of corresponding 29501 CR, once that CR is agreed we can send a reply LS to CT3 |
|  | **Plenary** | [5013](./docs/C4-245013.zip) | LS in LS reply on MDT configuration control in NR-DC | SA WG5 |  | S5-244659To: RAN3, CT4CC: Contact: EricssonPostponed from CT4#125Chair’s note from CT4#125: Corresponding CRs to be submitted to the next CT4 meeting, when those CRs are handled we can send reply.Related CRs in 5280 (and mirror) |
|  | **Plenary** | [5015](./docs/C4-245015.zip) | LS in Reply LS on MDT configuration control in NR-DC | RAN WG3 |  | R3-245684To: SA5, CT4CC: Contact: Huawei---RAN3 thanks SA5 for the reply LS on MDT configuration control in NR-DC in document S5-244659.RAN3 would like to inform SA5 and CT4 about the guidance from RAN plenary for the non-inclusive language usage which is captured in RP-202179.*Term “Master”. Example alternative terms: “Primary”, “Controller”, “Main”“Master” to be only replaced when used in “Master”/”Slave” context. Standalone use of “Master” is not to be replaced. (Note: the terms "master"/"secondary", as used in the context of Dual Connectivity in multiple RAN specifications and across the industry are not intended to be replaced.)*Furthermore, according to 3GPP TR 21.801 v.18.0.0 Annex K, Table K.1 (first row), “master” is considered non-inclusive “when used in ‘master / slave’ context”. This is not the case in Dual Connectivity, where the SN is the Secondary Node.With such guidance above, the term “Master node” in the context of DC is not replaced in in RAN2 and RAN3 specifications. It is explicitly defined in section 3.1 and section 3.2 in TS 37.340.RAN3 would like SA5 and CT4 to retain the previous definition of the term “MN” meaning “Master node” to avoid misalignment and misleading between groups.RAN3 has no further comments on the SA5 CRs attached in the LS.---RAN3’s reply to 5013. |
|  | **Plenary** | [5014](./docs/C4-245014.zip) | LS in Rel-18 LS reply on 5G Trace to support UE level measurement | SA WG5 |  | S5-244661To: CT4CC: CT3Contact: China Mobile, IntelPostponed from CT4#125Chair’s note from CT4#125: [Rong] 29.244 and 29.518 CRs may be needed related to this LSRelated CRs in 5078 (and mirror), 5079 (and mirror), 5278Reply LS in 5106 |
|  | **Plenary** | [5016](./docs/C4-245016.zip) | LS in Rel-19 LS on Supporting MBS broadcast service for NR NTN | RAN WG3 |  | R3-245844To: RAN2, SA2, CT4CC: Contact: Xiaomi---RAN3 has discussed the NGAP impact to support NTN MBS in Rel-19. More specifically, how the AMF indicates to the gNB when the intended service area is smaller than the satellite footprint. RAN3 agreed that the intended service area provided to the gNB can be Mapped Cell ID(s), TAI(s), or geographical service area information. The name and encoding of the geographical service area information will align with RAN2 decision. RAN3 has started to work on the appropriate signalling solution (see attached agreed TPs – IE name and encoding are pending RAN2 discussion).RAN3 considers this may impact SA2 and CT4.--- |
|  | **Plenary** | [5017](./docs/C4-245017.zip) | LS in Rel-19 LS on Transport level marking based on PDU Set Importance | SA WG2 |  | S2-2410948To: CT4CC: -Contact: Intel---As part of the XRM\_Ph2 work item, SA2 has agreed the attached TS 23.501 CR in relation to Key Issue #3 in TR 23.700-70 (“Leverage PDU Set QoS information for DSCP marking over N3/N9 in the transport network”).SA2 could not agree whether the SMF should provide the list of transport level marking values to the UPF in a FAR or in a QER, see underlined text in the agreed CR:*For QoS Flows that are configured for PDU Set QoS handling, the SMF may additionally take into account the PDU Set Importance when determining the transport level packet marking values.* ***In this case, the SMF provides a list of transport level packet marking values for the downlink direction to the UPF, each of the transport level packet marking values corresponding to one or more PDU Set Importance values.*** *When an I-SMF/I-UPF is inserted in the PDU Session, the I-SMF may instruct the I-UPF to derive the transport level packet marking of the outgoing N3 downlink packet based on the transport level packet marking of the incoming N9 downlink packet.*SA2 is of the opinion that the decision of using FAR vs QER for the abovementioned purpose would be better addressed by CT4 experts. Therefore, SA2 kindly asks CT4 to provide feedback on whether the SMF should provide the list of transport level marking values to the UPF in a FAR or in a QER.---Reply LS in 5083, 5197 |
|  | **Plenary** | [5018](./docs/C4-245018.zip) | LS in Rel-18 LS on Configuration of Slice Usage Control Information | SA WG2 |  | S2-2411033To: CT4CC: CT1, CT3Contact: ZTE---SA2 thanks for CT4 for the LS ([C4-243492](https://www.3gpp.org/ftp/tsg_ct/WG4_protocollars_ex-CN4/TSGCT4_124_Maastricht/Docs/C4-243492.zip)) on Configuration of Slice Usage Control Information. SA2 would like to provide the answer to the following questions as the following:**Q1**: For SA-PDU Session, is the PDU Session inactivity timer independent of access type?**SA2 answer**: Yes. **Q2**: To support per S-NSSAI per access type slice usage control defined in 3GPP TS 23.501, does it need to configure different timer values to different access type in UDM?**SA2 answer**: No.**Q3**: If the answer of Q2 is no, what is the exact AMF/SMF behaviour of performing per S-NSSAI per access type network slice usage control (i.e. starting slice deregistration inactivity timer or PDU Session inactivity timer)? Does the AMF or SMF assign same timer value to 3GPP access and non-3GPP access?**SA2 answer:** Yes, the AMF/SMF assign same timer value to 3GPP access and non 3GPP access. The AMF (in case of slice deregistration inactivity timer) and UPF (in case of slice PDU session inactivity timer) starts the timer per S-NSSAI as per clause 5.15.15 of TS 23.501---Related CRs in 5048,5049,5050,5051, 5245, 5246 |
|  | **Plenary** | [5019](./docs/C4-245019.zip) | LS in Rel-18 LS Response on slice mapping between the HPLMN and EHPLMN | SA WG2 |  | S2-2411063To: CT1, CT4CC: Contact: ZTE---SA2 thanks for CT4 for the LS ([C4-243606](https://www.3gpp.org/ftp/tsg_ct/WG4_protocollars_ex-CN4/TSGCT4_124_Maastricht/Docs/C4-243606.zip)) on slice mapping between the HPLMN and EHPLMN. SA2 also received the LS ([C1-239320](https://www.3gpp.org/ftp/tsg_ct/WG1_mm-cc-sm_ex-CN1/TSGC1_145_Chicago/Docs/C1-239320.zip)) from CT1 and noted the LS at [S2-160-Ad Hoc-e](https://whatthespec.net/3gpp/tdoc.php?q=&meeting=S2-160-Ad%20Hoc-e)…SA2 would like to provide the answers as below:**Q1**: Is it necessary for the AMF to perform the mapping of the S-NSSAI(s) of EHPLMN and HPLMN S-NSSAI(s) and provide mapped HPLMN S-NSSAI corresponding to the S-NSSAI(s) of EHPLMN to the UE?**SA2 answer:** Yes. In order to avoid the impact on the UE side, when the UE selects a PLMN which is not derived from the SUPI, the network shall provide mapping information to the HPLMN to the UE together with the Configured S-NSSAI or Allowed NSSAI if different values are used.**Q2:** If the answer of Q1 is yes, which S-NSSAI(s) (i.e. either HPLMN S-NSSAI or S-NSSAI of EHPLMN, or both) should be used for I-SMF, A-SMF or other NFs selection?**SA2 answer:** SA2 agreed that the S-NSSAI of the Serving PLMN is used to select the I-SMF and S-NSSAI of the mapped S-NSSAI in the HPLMN is used to select the SMF for the PDU Session if a mapped S-NSSAI value of the HPLMN is present in the Allowed NSSAI.**Q3:** If the answer of Q1 is yes, how is the admission control of the HPLMN S-NSSAI and the mapped S-NSSAI of EHPLMN performed in the 5GC? Are there two NSACFs, i.e. one for HPLMN and the other for EHPLMN?**SA2 answer:** When different S-NSSAI values are used for HPLMN and EHPLMN, the (I-)SMF performs NSAC procedures separately for EHPLMN S-NSSAI and HPLMN S-NSSAI. Whether to deploy one NSACF (supporting both S-NSSAIs) or two NSACFs is per operator deployment.Please see the agreed CR from Rel-18 as attached.---Related CRs in 5059, 5060, 5061, 5062 |
|  | **Plenary** | [5020](./docs/C4-245020.zip) | LS in Rel-19 Reply LS on RAN support of QoS monitoring capability | SA WG2 |  | S2-2411247To: CT WG4CC: CT WG3Contact: ZTE---SA2 thanks CT WG4 for the LS on RAN support of QoS monitoring capability. SA2 has discussed the CT4 agreed CR and would like to ask the following questions:**Question 1**: Why is the RAN QoS monitoring capability value "UNKNOWN" needed. What is the expected SMF behaviour compared to receiving "NOT\_SUPPORTED" or no indication at all?**Question 2**: According to SA2’s understanding of the CT4 CR, it seems that there is an inconsistency between clause 6.1.6.2.9 and 6.1.6.2.11 in the CT4 agreed CR. In the clause 6.1.6.2.9 (Type: PduSessionCreateData), the IE “qosMonitoringPdSupported” shall be present if the QME feature is supported by the I-SMF/V-SMF and SMF, and if the information is available.In the clause 6.1.6.2.11 (Type: HsmfUpdateData). In Inter-AMF mobility with I-SMF/V-SMF change with the target AMF not supporting the QME feature, in which case the attribute with value "UNKNOWN" shall be sent.When the AMF does not support QME feature and I/V-SMF and SMF support QME feature, the behaviour seems to be inconsistent:* For the PDU session establishment, the I/V-SMF does not send this IE to (h)SMF.
* For the HO to the target AMF not supporting QME, the I/V-SMF send "UNKNOWN" to (h)SMF.

---Reply LS in 5268 |
|  | **Plenary** | [5024](./docs/C4-245024.zip) | LS in Rel-19 LS on the supporting 5G ProSe multi-hop Relays | CT1 |  | C1-246002To: SA2CC: CT3, CT4Contact: CATT---...In summary, CT1 kindly ask SA2 to provide answers to the following questions:Q1- Can the Rel-19 multi-hop relay 5G ProSe capabilities be associated with the existing pre-Rel-19 5G Prose capabilities?Q2- Can the Rel-19 multi-hop relay 5G ProSe Requested UE policies bits be associated with the existing pre-Rel-19 5G Prose Requested UE policies?Q3- Does "DHCP proxy" refer to DHCP relay agent as defined in related IETF RFCs, e.g. RFC 3046?---Propose to note |
|  | **Plenary** | [5025](./docs/C4-245025.zip) | LS in Rel-18 Reply LS on the maximum number of devices supported in SLPP | RAN2 |  | R2-2409252To: CT1CC: CT4, SA2Contact: vivo---RAN2 thanks CT1 for the Reply LS on the maximum number of devices supported in SLPP.RAN2 will align with CT1 by clarifying that the maximum number of other UEs (i.e., UEs 2 to n) for sidelink positioning is also 63 in the stage 2 specification (see attachment).--- |
|  | **Plenary** | [5027](./docs/C4-245027.zip) | LS in Rel-18 LS on request for IMS Data Channel related clarifications | SA3-LI |  | S3i240707To: SA2, SA4, CT1, CT4CC: SA3, CT3Contact: Nokia---…SA3 LI kindly requests SA2, SA4, CT1, CT4 to clarify and confirm the following: 1. The IMS-AS in the remote UE’s side of the IMS session always notifies the DCSF about the IMS Data Channel related event notifications, irrespective which side initiates the IMS Data Channel setup (originating party or the terminating party).
2. The statement 1 is true even if the local UE and the remote UE are in the same CSP domain.
3. In addition to notifying the DCSF, the Remote UE’s network would also have an MF on the IMS Data Channel media.
4. In the SessionEvenNotifictions, how are the Calling Identity and Called Identity populated by the IMS AS (i.e. which SIP headers from the initial INVITE, re-INVITE are used)?
5. If call forwarding occurs at the terminating side (clause 10.123, TS 24.186), the two users present on the established IMS session (i.e. after the successful redirection) are:
	* Original calling party.
	* Redirected-to party.

5-1: Assuming Calling Identity is the original calling party, what would the Called Identity be that IMS AS sends in the session Event Notification to the DCSF, i.e.redirecting party identity or the redirected-to party identity?5-2: If it is the former, what would be purpose including the Called Identity in the Session Event Notification, specially, when that user is not using the IMS Data Channel?5-3: If it is the later, does the IMS-AS in the originating network know about the redirected-to party identity? 5-4: Do the MF in the Local UE side and Remote UE side have same role – e.g., MF in the UDP Proxy or HTTP Proxy?**2. Actions:****To SA2, SA4, CT1, CT4:****To clarify whether the IMS Data Channel architecture requires the DCSF and MF to be present in the Remote IMS.****Does the figure 6.2.10.1-1 infer DCSF is not notified in the Remote UE’s side of the IMS network (meaning a conflict with the TS 24.186)?****Confirm whether SA3-LI understanding as noted in 1, 2 and 3 are correct. Kindly clarify and provide answers to points/questions: 4, 5-1, 5-2, 5-3 and 5-4.**--- |
|  | **Plenary** | [5028](./docs/C4-245028.zip) | LS in Rel-19 Reply LS on UE-Satellite-UE Communication Architectures | SA3-LI |  | S3i240752To: SA2CC: SA3, CT1, CT3, CT4Contact: Nokia---SA3-LI thanks SA2 for their LS and the clarification in pursuing the UE-Satellite-UE communication architectures. Point number 1In reference to point number 1 (where the IMS-AGW would be on-board the satellite), SA3-LI would update LI specifications to accommodate the possibility of a change in the IMS-AGW during an active IMS Session. SA3 LI believes that LI can be performed as long as P-CSCF is in control of the IMS-AGW change. Point number 2In reference to point number 2 (where an intermediate UPF (I-UPF) is inserted to the media path with no IMS-AGW for a UE-Satellite-UE communication) the LI specifications for IMS LI will have to be enhanced. SA3-LI believes to support such an architecture, P-CSCF needs sufficient information to isolate the media flow packets for all IMS sessions, at any time during the IMS session. In SA3-LI understanding, the following are required for all UE-Satellite-UE IMS sessions, independent of LI:* P-CSCF is able to identify the I-UPF. For this, I-UPF address/identity will be made available to the P-CSCF.
* P-CSCF is able to identify the tunnel used for the IMS media flow. For this, the tunnel ID used at the I-UPF will be made available to the P-CSCF. If a point-to-point tunnel is used (e.g. on N6), then the UDP port number along with the IP address of the I-UPF shall be made available to the P-CSCF.
* P-CSCF is able to identify the UDP port number (RTP) used for the media packets. Port numbers from the access side (N3) and the core-side (N6) will be available.
* P-CSCF is able to identify the QoS flow. For this, the QFI associated with QoS flow will be made available to the P-CSCF.

SA3-LI kindly asks SA2 to confirm the above understanding. ---Propose to note |
|  |  | [5291](./docs/C4-245291.zip) | LS in Reply-LS on GSMA CVD-2023-0069 5G Core Network Attacks | SA3 |  | S3-244845To: CT4CC: GSMA CVDContact: Huawei---SA3 would like to thank CT4 for the LS on Reply-LS on GSMA CVD-2023-0069 5G Core Network Attacks. SA3 confirms that SA3 has same understanding with CT4.---Propose to note |
| **4.2** | **Outgoing liaisons** |  |  |  |  |  |
|  | **Plenary** | [5041](./docs/C4-245041.zip) | LS out Rel-18 Reply LS on N32-f lifetime and reconnection | NTT DOCOMO |  | C4-244021To: GSMA 5GMRR, NRGCC: SA3Overlapping with 5249 |
|  | **Plenary** | [5249](./docs/C4-245249.zip) | LS out Rel-18 Reply LS on N32-f lifetime and reconnection | Nokia |  | 5GMRR Doc 45\_07To: GSMA 5GMRRCc: SA3 |
|  | **Plenary** | [5077](./docs/C4-245077.zip) | LS out Rel-18 LS on PDU Set Information | Lenovo |  | To: SA WG4Cc: CT WG3, SA WG2 |
|  | **Plenary** | [5083](./docs/C4-245083.zip) | LS out Rel-19 Reply LS on Transport level marking based on PDU Set Importance | Nokia |  | S2-2410948To: SA2CC: Overlapping with 5197 |
|  | **Plenary** | [5197](./docs/C4-245197.zip) | LS out Rel-19 Reply LS on Transport level marking based on PDU Set Importance | CATT |  | S2-2410948To: SA2Cc:  |
|  | **Plenary** | [5106](./docs/C4-245106.zip) | LS out Rel-18 LS on 5G Trace to support UE level measurement clarification | China Mobile |  | S5-244661To: SA5Cc: CT3 |
|  | **Plenary** | [5139](./docs/C4-245139.zip) | LS out Rel-19 LS on optimizations to the subscription of UPF events | Ericsson |  | To: SA2, CT3CC: |
|  | **Plenary** | [5196](./docs/C4-245196.zip) | LS out Rel-17 LS on UUAA Unsubscribe procedure | CATT |  | To: SA2Cc: CT3 |
|  | **Plenary** | [5202](./docs/C4-245202.zip) | LS out Rel-19 LS on PS Data Off and Positioning over user plane connection | Huawei |  | To: SA2Cc: CT1 |
|  | **Plenary** | [5268](./docs/C4-245268.zip) | LS out Reply LS on RAN support of QoS monitoring capability | Huawei |  | S2-2411247To: SA WG2Cc: CT WG3 |
|  | **Check of Approved Output Documents** |  |  |  |  |  |
|  |  | 5011 | other Output Documents | CT4 Chair |  |  |
| **6** | **OpenAPI version and ExternalDocs Update** |  |  |  |  | This agenda item is used for allocating OpenAPI version and ExternalDocs update CRs for all releases |
| **6.1** | **Rel-15 OpenAPI version and ExternalDocs Update CRs** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **6.2** | **Rel-16 OpenAPI version and ExternalDocs Update CRs** |  |  |  |  |  |
|  |  |  | 29.518 0 Rel16 API version and External doc update | Ericsson | Email approval | CR possibly needed Email approval |
| **6.3** | **Rel-17 OpenAPI version and ExternalDocs Update CRs** |  |  |  |  |  |
|  |  |  | 29.256 0 Rel17 API version and External doc update | Qualcomm Incorporated | Email approval | CR possibly needed Email approval |
|  |  |  | 29.309 0 Rel17 API version and External doc update | Ericsson | Email approval | CR possibly needed Email approval |
|  |  |  | 29.502 0 Rel17 API version and External doc update | Nokia | Email approval | CR possibly needed Email approval |
|  |  |  | 29.503 0 Rel17 API version and External doc update | Nokia | Email approval | CR possibly needed Email approval |
|  |  |  | 29.504 0 Rel17 API version and External doc update | China Mobile | Email approval | CR possibly needed Email approvalImpact introduced by C4-245032 |
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|  |  |  | 29.511 0 Rel17 API version and External doc update | Deutsche Telekom | Email approval | CR possibly needed Email approval |
|  |  |  | 29.515 0 Rel17 API version and External doc update | CATT | Email approval | CR possibly needed Email approval |
|  |  |  | 29.518 0 Rel17 API version and External doc update | Ericsson | Email approval | CR possibly needed Email approval |
|  |  |  | 29.526 0 Rel17 API version and External doc update | ZTE | Email approval | CR possibly needed Email approval |
|  |  |  | 29.531 0 Rel17 API version and External doc update | Huawei | Email approval | CR possibly needed Email approval |
|  |  |  | 29.532 0 Rel17 API version and External doc update | Huawei | Email approval | CR possibly needed Email approval |
|  |  |  | 29.536 0 Rel17 API version and External doc update | ZTE | Email approval | CR possibly needed Email approval |
|  |  |  | 29.540 0 Rel17 API version and External doc update | ZTE | Email approval | CR possibly needed Email approval |
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|  |  |  | 29.579 0 Rel17 API version and External doc update | China Telecom | Email approval | CR possibly needed Email approval |
|  |  |  | 29.581 0 Rel17 API version and External doc update | Samsung | Email approval | CR possibly needed Email approval |
|  |  |  | 29.598 0 Rel17 API version and External doc update | CISCO | Email approval | CR possibly needed Email approval |
|  |  |  | 29.673 0 Rel17 API version and External doc update | Ericsson | Email approval | CR possibly needed Email approval |
| **6.4** | **Rel-18 OpenAPI version and ExternalDocs Update CRs** |  |  |  |  |  |
|  |  |  | 29.175 0 Rel18 API version and External doc update | China Mobile | Email approval | CR possibly needed Email approval |
|  |  |  | 29.176 0 Rel18 API version and External doc update | Huawei | Email approval | CR possibly needed Email approval |
|  |  |  | 29.256 0 Rel18 API version and External doc update | Qualcomm SIncorporated | Email approval | CR possibly needed Email approval |
|  |  |  | 29.309 0 Rel18 API version and External doc update | Ericsson | Email approval | CR possibly needed Email approval |
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|  |  |  | 29.504 0 Rel18 API version and External doc update | China Mobile | Email approval | CR possibly needed Email approvalImpact introduced by C4-245033 |
|  |  |  | 29.505 0 Rel18 External doc update | China Mobile | Email approval | CR possibly needed Email approvalImpact introduced by C4-245229 |
|  |  |  | 29.509 0 Rel18 API version and External doc update | Orange | Email approval | CR possibly needed Email approvalImpact introduced by C4-245033 |
|  |  |  | 29.510 0 Rel18 API version and External doc update | Ericsson | Email approval | CR possibly needed Email approval |
|  |  |  | 29.511 0 Rel18 API version and External doc update | Deutsche Telekom | Email approval | CR possibly needed Email approval |
|  |  |  | 29.515 0 Rel18 API version and External doc update | CATT | Email approval | CR possibly needed Email approval |
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|  |  |  | 29.526 0 Rel18 API version and External doc update | ZTE | Email approval | CR possibly needed Email approval |
|  |  |  | 29.531 0 Rel18 API version and External doc update | Huawei | Email approval | CR possibly needed Email approval |
|  |  |  | 29.532 0 Rel18 API version and External doc update | Huawei | Email approval | CR possibly needed Email approval |
|  |  |  | 29.536 0 Rel18 API version and External doc update | ZTE | Email approval | CR possibly needed Email approval |
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|  |  |  | 29.541 0 Rel18 API version and External doc update | Ericsson | Email approval | CR possibly needed Email approval |
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| **6.5** | **Rel-19 OpenAPI version and ExternalDocs Update CRs** |  |  |  |  |  |
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| **7** | **Tdocs not fit into other agenda items** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **8** | **Release 8 and earlier****All work items** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **9** | **Release 9****All work items** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **10** | **Release 10** **All work items** |  |  |  |  |  |
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| **11** | **Release 11****All work items** |  |  |  |  |  |
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| **12** | **Release 12****All work items** |  |  |  |  |  |
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| **13** | **Release 13****All work items** |  |  |  |  |  |
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| **14** | **Release 14****All work items** |  |  |  |  |  |
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| **15** | **Release 15****All work items** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **16** | **Release 16****All work items** |  |  |  |  |  |
|  | **Plenary** | [5120](./docs/C4-245120.zip) | CR 29.518 1140 Rel-16 Correction for deferred 5GC-MT-LR procedure | Huawei |  | WI TEI16, 5G\_eLCSCAT FOverlapping with 5183 |
|  | **Plenary** | [5121](./docs/C4-245121.zip) | CR 29.518 1141 Rel-17 Correction for deferred 5GC-MT-LR procedure | Huawei |  | WI TEI16, 5G\_eLCSCAT A |
|  | **Plenary** | [5122](./docs/C4-245122.zip) | CR 29.518 1142 Rel-18 Correction for deferred 5GC-MT-LR procedure | Huawei |  | WI TEI16, 5G\_eLCSCAT A |
|  | **Plenary** | [5123](./docs/C4-245123.zip) | CR 29.518 1143 Rel-19 Correction for deferred 5GC-MT-LR procedure | Huawei |  | WI TEI16, 5G\_eLCSCAT A |
|  | **Plenary** | [5183](./docs/C4-245183.zip) | CR 29.518 1147 Rel-16 Correction for the deferred 5GC-MT-LR procedure | CATT, Ericsson |  | WI 5G\_eLCSCAT F |
|  | **Plenary** | [5184](./docs/C4-245184.zip) | CR 29.518 1148 Rel-17 Correction for the deferred 5GC-MT-LR procedure | CATT, Ericsson |  | WI 5G\_eLCSCAT A |
|  | **Plenary** | [5185](./docs/C4-245185.zip) | CR 29.518 1149 Rel-18 Correction for the deferred 5GC-MT-LR procedure | CATT, Ericsson |  | WI 5G\_eLCSCAT F |
|  | **Plenary** | [5186](./docs/C4-245186.zip) | CR 29.518 1150 Rel-19 Correction for the deferred 5GC-MT-LR procedure | CATT, Ericsson |  | WI 5G\_eLCSCAT A |
| **17** | **Release 17** |  |  |  |  |  |
| **17.1** | **Rel-17 work planning** |  |  |  |  |  |
| **17.2** | **New WIDs for Rel-17** |  |  |  |  |  |
| **17.3** | **Revised WIDs for Rel-17** |  |  |  |  |  |
| **17.4** | **TEI17 [TEI17]** |  |  |  |  |  |
|  | **Plenary** | [5208](./docs/C4-245208.zip) | CR 29.230 0715 Rel-17 Remove the additional MDT-Configuration-NR | Huawei, MCC |  | WI TEI17CAT F |
|  | **Plenary** | [5209](./docs/C4-245209.zip) | CR 29.230 0716 Rel-18 Remove the additional MDT-Configuration-NR | Huawei, MCC |  | WI TEI17CAT A |
|  | **Plenary** | [5210](./docs/C4-245210.zip) | CR 29.571 0604 Rel-17 Updates on the n3gaLocation | Huawei |  | WI TEI17CAT F |
|  | **Plenary** | [5211](./docs/C4-245211.zip) | CR 29.571 0605 Rel-18 Updates on the n3gaLocation | Huawei |  | WI TEI17CAT A |
|  | **Plenary** | [5212](./docs/C4-245212.zip) | CR 29.571 0606 Rel-19 Updates on the n3gaLocation | Huawei |  | WI TEI17CAT A |
| **17.5** | **Service Based Interface Protocol Improvements Release 17 [SBIProtoc17]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **17.6** | **Multi-device and multi-identity enhancements [MuDe]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **17.7** | **Stage-3 5GS NAS protocol development 17 [5GProtoc17] [5GProtoc17-non3GPP]** |  |  |  |  |  |
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| **17.8** | **Protocol enhancements for Mission Critical Services [MCProtoc17]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **17.9** | **Stage-3 SAE Protocol Development [SAES17] [SAES17-CSFB] [SAES17-non3GPP]** |  |  |  |  |  |
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| **17.10** | **Enhancement for the 5G Control Plane Steering of Roaming for UE in CONNECTED mode [eCPSOR\_CON]** |  |  |  |  |  |
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| **17.11** | **IMS Stage-3 IETF Protocol Alignment [IMSProtoc17]** |  |  |  |  |  |
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| **17.12** | **CT aspects of Enhancements to Mission Critical Data [eMCData3]** |  |  |  |  |  |
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| **17.13** | **Stage 3 of Multimedia Priority Service (MPS) Phase 2 [MPS2]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **17.14** | **PFD management enhancement [pfdManEnh]** |  |  |  |  |  |
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| **17.15** | **BEst Practice of PFCP [BEPoP]** |  |  |  |  |  |
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| **17.16** | **Restoration of PDN Connections in PGW-C/SMF Set [RPCPSET]** |  |  |  |  |  |
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| **17.17** | **Stage 3 of eMONASTERY2 [eMONASTERY2]** |  |  |  |  |  |
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| **17.18** | **CT aspects of** **5GC architecture for satellite networks [5GSAT\_ARCH-CT]** |  |  |  |  |  |
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| **17.19** | **CT aspects of Enhanced MCCI with LMR Systems [eMCCI\_CT]** |  |  |  |  |  |
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| **17.20** | **CT aspects of AKMA [AKMA-CT]** |  |  |  |  |  |
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| **17.21** | **PAP/CHAP protocols usage in 5GS [PAP\_CHAP]** |  |  |  |  |  |
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| **17.22** | **Service-based support for SMS in 5GC [SMS\_SBI]** |  |  |  |  |  |
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| **17.23** | **Enhancement of Inter-PLMN Roaming [EoIPR]** |  |  |  |  |  |
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| **17.24** | **Mission Critical system migration and interconnection [MCSMI\_CT]** |  |  |  |  |  |
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| **17.25** | **CT aspects of Integration of GBA into SBA [GBA\_5G]** |  |  |  |  |  |
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| **17.26** | **Reliable Data Service Serialization Indication [RDSSI\_CT]** |  |  |  |  |  |
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| **17.27** | **CT aspects for Enabling Edge Applications [EDGEAPP]** |  |  |  |  |  |
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| **17.28** | **CT aspects of eNPN [eNPN]** |  |  |  |  |  |
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| **17.29** | **CT aspects of 5G\_eLCS\_ph2 [5G\_eLCS\_ph2]** |  |  |  |  |  |
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| **17.30** | **CT aspects for ID\_UAS [ID\_UAS]** |  |  |  |  |  |
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| **17.31** | **CT aspects of support of enhanced Industrial IoT [IIoT]** |  |  |  |  |  |
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| **17.32** | **CT aspects of eV2XAPP [eV2XAPP]** |  |  |  |  |  |
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| **17.33** | **CT aspects of 5G eEDGE [eEDGE\_5GC]** |  |  |  |  |  |
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| **17.34** | **Stage 3 for Enhancement of Network Slicing Phase 2 [eNS\_Ph2]** |  |  |  |  |  |
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| **17.35** | **Start of Pause of Charging via User Plane [SPOCUP]** |  |  |  |  |  |
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| **17.36** | **CT aspects of ATSSS\_Ph2 [ATSSS\_Ph2]** |  |  |  |  |  |
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| **17.37** | **CT aspects of eNA\_Ph2 [eNA\_Ph2]** |  |  |  |  |  |
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| **17.38** | **CT aspects of proximity based services in 5GS [5G\_ProSe]** |  |  |  |  |  |
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| **17.39** | **CT aspects of Enabling Multi-USIM Devices [MUSIM]** |  |  |  |  |  |
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| **17.40** | **CT aspects on TEI17\_SPSFAS [TEI17\_SPSFAS]** |  |  |  |  |  |
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| **17.41** | **CT aspects on TEI17\_SAPES [TEI17\_SAPES]** |  |  |  |  |  |
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| **17.42** | **CT aspects on TEI17\_DCAMP [TEI17\_DCAMP]** |  |  |  |  |  |
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| **17.43** | **CT aspects on TEI17\_GEM [TEI17\_GEM]** |  |  |  |  |  |
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| **17.44** | **CT3 aspects of N7 Interfaces Enhancements to Support GERAN and UTRAN [TEI17\_NIESGU]** |  |  |  |  |  |
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| **17.45** | **UICC-terminal interface testing for UEs with non-removable UICCs [nrUICC\_UEConTest]** |  |  |  |  |  |
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| **17.46** | **CT aspects of Support of different slices over different Non 3GPP access [TEI17\_N3SLICE]** |  |  |  |  |  |
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| **17.47** | **CT aspects of the architectural enhancements for 5G multicast-broadcast services [5MBS]** |  |  |  |  |  |
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| **17.48** | **CT Aspects of Application Layer Support for Uncrewed Aerial Systems (UAS) [UASAPP]** |  |  |  |  |  |
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| **17.49** | **CT aspects of eV2XARC\_Ph2 [eV2XARC\_Ph2]** |  |  |  |  |  |
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| **17.50** | **CT aspects of MCOver5GS [MCOver5GS]** |  |  |  |  |  |
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| **17.51** | **Enhancement of 5G PCC related services in Rel-17 [en5GPccSer17]** |  |  |  |  |  |
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| **17.52** | **Enhancements of 3GPP Northbound Interfaces and Application Layer APIs [NBI17]** |  |  |  |  |  |
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| **17.53** | **Stage 3 aspects of enh3MCPTT [enh3MCPTT-CT]** |  |  |  |  |  |
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| **17.54** | **Enhanced Service Enabler Architecture Layer for Verticals [eSEAL]** |  |  |  |  |  |
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| **17.55** | **System enhancement for redundant PDU session [TEI17\_SE\_RPS]** |  |  |  |  |  |
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| **17.56** | **CT aspects of Support for Minimization of service Interruption [MINT]** |  |  |  |  |  |
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| **17.57** | **IMS voice service support and network usability guarantee for UE’s E-UTRA capability disabled scenario in SA 5GS [ING\_5GS]** |  |  |  |  |  |
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| **17.58** | **CT aspects for enabling MSGin5G Service [5GMARCH]** |  |  |  |  |  |
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| **17.59** | **Restoration of profiles related to UDR [ReP\_UDR]** |  |  |  |  |  |
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| **17.60** | **Enhancement on the GTP-U entity restart [EGTPUR]** |  |  |  |  |  |
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| **17.61** | **Multi-device enhancements for device transfers [MuDTran]** |  |  |  |  |  |
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| **17.62** | **CT aspects of Architecture Enhancement for NR Reduced Capability Devices [ARCH\_NR\_REDCAP]** |  |  |  |  |  |
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| **17.63** | **Enhancements of 3GPP profiles for cryptographic algorithms and security protocols [eCryptPr]** |  |  |  |  |  |
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| **17.64** | **IMS Optimization for HSS Group ID in an SBA environment [TEI17\_IMSGID]** |  |  |  |  |  |
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| **17.65** | **CT aspects of NB-IoT/eMTC Non-Terrestrial Networks in EPS [IoT\_SAT\_ARCH\_EPS]** |  |  |  |  |  |
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| **17.66** | **Repository for the 3GPP Allocated Port Numbers for New 3GPP Interfaces [PortAl]** |  |  |  |  |  |
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| **17.67** | **Non-Seamless WLAN offload Authentication in 5GS [NSWO\_5G]** |  |  |  |  |  |
|  | **Plenary** | [5032](./docs/C4-245032.zip) | CR 29.503 1349 Rel-17 Correction for SNN related to 5G NSWO | Nokia |  | WI NSWO\_5GCAT F |
|  | **Plenary** | [5033](./docs/C4-245033.zip) | CR 29.503 1350 Rel-18 Correction for SNN related to 5G NSWO | Nokia |  | WI NSWO\_5GCAT A |
|  | **Plenary** | [5034](./docs/C4-245034.zip) | CR 29.503 1351 Rel-19 Correction for SNN related to 5G NSWO | Nokia |  | WI NSWO\_5GCAT A |
| **17.68** | **CT aspects of AKMA TLS protocol profiles [AKMA\_TLS]** |  |  |  |  |  |
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| **17.69** | **Modifying PASSporT signing and verification [SPECTRE\_Ph3]** |  |  |  |  |  |
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| **17.70** | **CT aspects of enhancement of RAN Slicing for NR [NRslice]** |  |  |  |  |  |
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| **17.71** | **CT aspects of 5GMS AF Event Exposure [EVEX]** |  |  |  |  |  |
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| **17.72** | **Update of conformance test specifications to Rel-17 [UEConTest\_R17]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **17.73** | **Any other Rel-17 Work item or Study item** |  |  |  |  |  |
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| **18** | **Release 18** |  |  |  |  |  |
| **18.1** | **Rel-18 work planning** |  |  |  |  |  |
| **18.2** | **New WIDs for Rel-18** |  |  |  |  |  |
| **18.3** | **Revised WIDs for Rel-18** |  |  |  |  |  |
| **18.4** | **TEI18 [TEI18]** |  |  |  |  |  |
|  | **Main** | [5059](./docs/C4-245059.zip) | CR 29.531 0226 Rel-18 Clarify slice mapping for non-roaming case | ZTE |  | WI TEI18CAT F |
|  | **Main** | [5060](./docs/C4-245060.zip) | CR 29.531 0227 Rel-19 Clarify slice mapping for non-roaming case | ZTE |  | WI TEI18CAT A |
|  | **Main** | [5061](./docs/C4-245061.zip) | CR 29.502 0817 Rel-18 Provision of slice mapping information to the (I-)SMF | ZTE |  | WI TEI18CAT F |
|  | **Main** | [5062](./docs/C4-245062.zip) | CR 29.502 0818 Rel-19 Provision of slice mapping information to the (I-)SMF | ZTE |  | WI TEI18CAT A |
|  | **Main** | [5063](./docs/C4-245063.zip) | CR 29.536 0136 Rel-18 Clarify NSAC procedures for EHPLMN S-NSSAI case | ZTE |  | WI TEI18, eNS\_Ph3CAT F |
|  | **Main** | [5078](./docs/C4-245078.zip) | CR 29.502 0819 Rel-18 Update the Nsmf\_PDUSession API to support UE level measurement trace | China Mobile |  | WI TEI18CAT F |
|  | **Main** | [5081](./docs/C4-245081.zip) | CR 29.502 0820 Rel-19 Update the Nsmf\_PDUSession API to support UE level measurement trace | China Mobile |  | WI TEI18CAT AWIC to be corrected |
|  | **Breakout** | [5079](./docs/C4-245079.zip) | CR 29.503 1359 Rel-18 Update the Nudm\_SDM to support UE level measurements trace | China Mobile |  | WI TEI18CAT F |
|  | **Breakout** | [5082](./docs/C4-245082.zip) | CR 29.503 1360 Rel-19 Update the Nudm\_SDM to support UE level measurements trace | China Mobile |  | WI TEI18CAT AWIC to be corrected |
|  | **Breakout** | [5125](./docs/C4-245125.zip) | CR 29.562 0154 Rel-18 Reference correction | China Mobile |  | WI TEI18CAT F |
|  | **Main** | [5174](./docs/C4-245174.zip) | CR 29.502 0823 Rel-18 204 Response Code for HO Cancel and Failure | Ericsson, Verizon |  | WI TEI18CAT F |
|  | **Main** | [5175](./docs/C4-245175.zip) | CR 29.502 0824 Rel-19 204 Response Code for HO Cancel and Failure | Ericsson, Verizon |  | WI TEI18CAT A |
|  | **Main** | [5176](./docs/C4-245176.zip) | CR 29.502 0825 Rel-18 Mapped Slices Support for Non-Roaming Scenarios | Ericsson |  | WI TEI18CAT F |
|  | **Main** | [5177](./docs/C4-245177.zip) | CR 29.502 0826 Rel-19 Mapped Slices Support for Non-Roaming Scenarios | Ericsson |  | WI TEI18CAT A |
|  | **Main** | [5277](./docs/C4-245277.zip) | CR 29.244 0904 Rel-18 Support of Trace Reporting Consumer URI | Huawei |  | WI TEI18, NR\_SON\_MDT-CoreCAT F |
|  | **Main** | [5278](./docs/C4-245278.zip) | CR 29.244 0905 Rel-18 Support of UE level measurements configuration | Huawei |  | WI TEI18, PM\_KPI\_5G\_Ph3CAT F |
|  | **Plenary** | [5279](./docs/C4-245279.zip) | CR 29.273 0553 Rel-18 Support of Trace Reporting Consumer URI | Huawei |  | WI TEI18, NR\_SON\_MDT-CoreCAT F |
|  | **Plenary** | [5280](./docs/C4-245280.zip) | CR 29.571 0612 Rel-18 Correction on MDT configuration for MN node | Huawei |  | WI TEI18, 5GMDT\_Ph2CAT F |
|  | **Plenary** | [5281](./docs/C4-245281.zip) | CR 29.571 0613 Rel-19 Correction on MDT configuration for MN node | Huawei |  | WI TEI18, 5GMDT\_Ph2CAT A |
| **18.5** | **CT aspects of NBI18 [NBI18]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **18.6** | **CT aspects of SBIProtoc18 [SBIProtoc18]** |  |  |  |  |  |
|  | **Plenary** | [5039](./docs/C4-245039.zip) | CR 29.573 0217 Rel-18 Keepalive of TLS Session for N32-f | NTT DOCOMO |  | WI SBIProtoc18CAT FOverlapping with 5247 |
|  |  | 5040 | CR 29.573 0218 Rel-19 Keepalive of TLS Session for N32-f | NTT DOCOMO | revised to C4-245284 | WI SBIProtoc18CAT A |
|  | **Plenary** | [5284](./docs/C4-245284.zip) | CR 29.573 0218 Rel-19 Keepalive of TLS Session for N32-f | NTT DOCOMO |  | WI SBIProtoc18CAT A |
|  | **Plenary** | [5247](./docs/C4-245247.zip) | CR 29.573 0219 Rel-18 N32-f Keepalive | Nokia |  | WI SBIProtoc18CAT F |
|  | **Plenary** | [5248](./docs/C4-245248.zip) | CR 29.573 0220 Rel-19 N32-f Keepalive | Nokia |  | WI SBIProtoc18CAT A |
|  | **Breakout** | [5229](./docs/C4-245229.zip) | CR 29.503 1365 Rel-18 CAG information does not allow multiple time periods per allowed CAG ID | Ericsson |  | WI SBIProtoc18CAT FWIC to be correctedAlso impactsTS29505\_Subscription\_Data.yamlTS29518\_Namf\_Communication.yaml |
|  | **Breakout** | [5230](./docs/C4-245230.zip) | CR 29.503 1366 Rel-19 CAG information does not allow multiple time periods per allowed CAG ID | Ericsson |  | WI SBIProtoc18CAT A |
|  |  | [5249](./docs/C4-245249.zip) | LS out Rel-18 Reply LS on N32-f lifetime and reconnection | Nokia | Moved to 4.2 |  |
| **18.7** | **Stage-3 5GS NAS protocol development 18 general aspects [5GProtoc18]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **18.8** | **Stage-3 5GS NAS protocol development 18 non 3GPP aspects [5GProtoc18-non3GPP]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **18.9** | **Stage-3 SAE Protocol Development [SAES18]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **18.10** | **Stage-3 SAE Protocol Development CSFB [SAES18-CSFB]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **18.11** | **Stage-3 SAE Protocol Development non 3GPP [SAES18-non3GPP]** |  |  |  |  |  |
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| **18.12** | **Protocol enhancements for Mission Critical Services [MCProtoc18]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **18.13** | **MPS for Supplementary Services [MPSSupServ]** |  |  |  |  |  |
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| **18.14** | **CT aspects of Mission Critical Services over 5MBS [MCOver5MBS]** |  |  |  |  |  |
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| **18.15** | **CT aspects of Mission Critical Services over 5GProSe [MCOver5GProSe]** |  |  |  |  |  |
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| **18.16** | **IMS Stage-3 IETF Protocol Alignment [IMSProtoc18]** |  |  |  |  |  |
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| **18.17** | **CT aspects of Signal level Enhanced Network Selection [SENSE]** |  |  |  |  |  |
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| **18.18** | **Rel-18 Enhancements of UE Policy [UEP18]** |  |  |  |  |  |
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| **18.19** | **5GS support of NR RedCap UE with long eDRX for RRC\_INACTIVE State [NR\_REDCAP\_Ph2]** |  |  |  |  |  |
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| **18.20** | **CT aspects on Multiple location report for MT-LR Immediate Location Request for regulatory services [TEI18\_MLR]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **18.21** | **Enhancement of Shared Data ID and Handling [ShDatID\_H]** |  |  |  |  |  |
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| **18.22** | **CT Aspects of Edge Computing Phase 2 [EDGE\_Ph2]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **18.23** | **Enhancement of NSAC for maximum number of UEs with at least one PDU session/PDN connection [eNSAC]** |  |  |  |  |  |
|  | **Main** | [5276](./docs/C4-245276.zip) | CR 29.536 0138 Rel-18 NSAC handling on maximum number of UEs with at least one PDU Session/PDN Connection in Hierarchical architecture | Huawei |  | WI eNSACCAT F |
| **18.24** | **Mission critical system migration and interconnection enhancements [eMCSMI\_IRail]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **18.25** | **CT aspects of application layer support for V2X services; Phase 3 [V2XAPP\_Ph3]** |  |  |  |  |  |
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| **18.26** | **CT aspects of proximity based services in 5GS Phase 2 [5G\_ProSe\_Ph2]** |  |  |  |  |  |
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| **18.27** | **Support for 5WWC Phase 2 [5WWC\_Ph2]** |  |  |  |  |  |
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| **18.28** | **Enhancement of application detection event exposure [TEI18\_ADEE]** |  |  |  |  |  |
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| **18.29** | **CT aspects of General Support of IPv6 Prefix Delegation in 5GS [TEI18\_IPv6PD]** |  |  |  |  |  |
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| **18.30** | **CT aspects of 5G System with Satellite Backhaul [5GSATB]** |  |  |  |  |  |
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| **18.31** | **Timing Resiliency and URLLC enhancements [TRS\_URLLC]** |  |  |  |  |  |
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| **18.32** | **Extensions to the TSC Framework to support DetNet [DetNet]** |  |  |  |  |  |
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| **18.33** | **CT aspects for Enabling Edge Applications Phase 2 [EDGEAPP\_Ph2]** |  |  |  |  |  |
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| **18.34** | **Rel-18 enhancements of session management policy control [SMPC18]** |  |  |  |  |  |
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| **18.35** | **CT aspects of 5G System Enabler for Service Function Chaining [SFC]** |  |  |  |  |  |
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| **18.36** | **Enhancement of Network Automation Enablers [eNetAE]** |  |  |  |  |  |
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| **18.37** | **CT aspects of enhancement of 5G UE Policy [eUEPO]** |  |  |  |  |  |
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| **18.38** | **CT aspect of Seamless UE context recovery [SUECR]** |  |  |  |  |  |
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| **18.39** | **Secondary DN authentication and authorization in EPC IWK cases [TEI18\_SDNAEPC]** |  |  |  |  |  |
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| **18.40** | **CT aspects of enhancement to the 5GC location services - phase 3 [5G\_eLCS\_Ph3]** |  |  |  |  |  |
|  | **Breakout** | [5187](./docs/C4-245187.zip) | CR 29.572 0300 Rel-18 Update to support NRPPa related measurements | CATT |  | WI 5G\_eLCS\_Ph3CAT FOverlapping with 5203 |
|  | **Breakout** | [5188](./docs/C4-245188.zip) | CR 29.572 0301 Rel-19 Update to support NRPPa related measurements | CATT |  | WI 5G\_eLCS\_Ph3CAT A |
|  | **Breakout** | [5203](./docs/C4-245203.zip) | CR 29.572 0302 Rel-18 Updates on the Time Windows | Huawei |  | WI 5G\_eLCS\_Ph3CAT F |
|  | **Breakout** | [5204](./docs/C4-245204.zip) | CR 29.572 0303 Rel-19 Updates on the Time Windows | Huawei |  | WI 5G\_eLCS\_Ph3CAT A |
| **18.41** | **CT aspects of Enhanced support of Non-Public Networks Phase 2 [eNPN\_Ph2]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **18.42** | **CT aspects of SEAL data delivery enabler for vertical applications [SEALDD]** |  |  |  |  |  |
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| **18.43** | **Enhanced Service Enabler Architecture Layer for Verticals Phase 3 [SEAL\_Ph3]** |  |  |  |  |  |
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| **18.44** | **CT Aspects of Application Layer Support for Uncrewed Aerial Systems (UAS), Phase 2 [UASAPP\_Ph2]** |  |  |  |  |  |
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| **18.45** | **CT Aspects of 5GC architecture for satellite networks, Phase 2 [5GSAT\_Ph2]** |  |  |  |  |  |
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| **18.46** | **CT Aspects of Uncrewed Aerial Systems (UAS), Phase 2 [UAS\_Ph2]** |  |  |  |  |  |
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| **18.47** | **CT aspects of Ranging\_SL [Ranging\_SL]** |  |  |  |  |  |
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| **18.48** | **CT aspects of 5GFLS [5GFLS]** |  |  |  |  |  |
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| **18.49** | **CT aspects of MCGWUE [MCGWUE]** |  |  |  |  |  |
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| **18.50** | **GBA\_U Based APIs [GBA\_U\_APIs]** |  |  |  |  |  |
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| **18.51** | **CT aspects of AIML [AIMLsys]** |  |  |  |  |  |
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| **18.52** | **CT aspects of NG\_RTC [NG\_RTC]** |  |  |  |  |  |
|  | **Breakout** | [5160](./docs/C4-245160.zip) | CR 29.175 0031 Rel-18 Clarification on the condition of notification | Huawei |  | WI NG\_RTCCAT F |
| **18.53** | **CT aspects of 5G AM Policy [AMP]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **18.54** | **CT aspects on Dynamically Changing AM Policies in the 5GC Phase 2 [TEI18\_DCAMP\_Ph2]** |  |  |  |  |  |
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| **18.55** | **CT aspects of MPS\_WLAN [MPS\_WLAN]** |  |  |  |  |  |
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| **18.56** | **CT aspects of ADAES [ADAES]** |  |  |  |  |  |
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| **18.57** | **CT aspects of MSGin5G Service Ph2 [5GMARCH\_Ph2]** |  |  |  |  |  |
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| **18.58** | **CT aspects of VMR [VMR]** |  |  |  |  |  |
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| **18.59** | **Enhancements on Service-based support for SMS in 5GC [eSMS\_SBI]** |  |  |  |  |  |
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| **18.60** | **CT aspects of eNA\_Ph3 [eNA\_Ph3]** |  |  |  |  |  |
|  | **Plenary** | [5108](./docs/C4-245108.zip) | CR 29.510 1093 Rel-18 Addition of missing service | Huawei |  | WI eNA\_Ph3CAT F |
|  | **Plenary** | [5109](./docs/C4-245109.zip) | CR 29.510 1094 Rel-19 Addition of missing service | Huawei |  | WI eNA\_Ph3CAT A |
| **18.61** | **CT aspects of PIN [PIN]** |  |  |  |  |  |
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| **18.62** | **CT aspects of PINAPP [PINAPP]** |  |  |  |  |  |
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| **18.63** | **CT aspects of GMEC [GMEC]** |  |  |  |  |  |
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| **18.64** | **CT aspects of 5MBS\_Ph2 [5MBS\_Ph2]** |  |  |  |  |  |
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| **18.65** | **CT aspects of Enhancement of Network Slicing Phase 3 [eNS\_Ph3]** |  |  |  |  |  |
|  | **Plenary** | [5048](./docs/C4-245048.zip) | CR 29.503 1354 Rel-18 Applicability of Slice Deregistration Inactivity Timer | ZTE |  | WI eNS\_Ph3CAT Foverlapping with 5245Need to decide whether this change should go back to Rel-18 |
|  | **Plenary** | [5049](./docs/C4-245049.zip) | CR 29.503 1355 Rel-19 Applicability of Slice Deregistration Inactivity Timer | ZTE |  | WI eNS\_Ph3CAT A |
|  | **Plenary** | [5245](./docs/C4-245245.zip) | CR 29.503 1371 Rel-19 Clarification on access type of Slice Deregistration Inactivity Timer | Nokia |  | WI TEI19CAT F |
|  | **Plenary** | [5050](./docs/C4-245050.zip) | CR 29.571 0597 Rel-18 Applicability of Timers for Slice Usage Control | ZTE |  | WI eNS\_Ph3CAT Foverlapping with 5246Need to decide whether this change should go back to Rel-18 |
|  | **Plenary** | [5051](./docs/C4-245051.zip) | CR 29.571 0598 Rel-19 Applicability of Slice Usage Control Info | ZTE |  | WI eNS\_Ph3CAT A |
|  | **Plenary** | [5246](./docs/C4-245246.zip) | CR 29.571 0607 Rel-19 Clarification on Slice usage control information | Nokia |  | WI TEI19CAT F |
| **18.66** | **CT aspects of XRM [XRM]** |  |  |  |  |  |
|  | **Main** | [5072](./docs/C4-245072.zip) | discussion Rel-18 Discussion on PDU Set Information (PSI) | Lenovo |  |  |
|  | **Main** | [5073](./docs/C4-245073.zip) | CR 29.571 0591 Rel-18 Correction of RtpHeaderExtInfo | Lenovo |  | WI XRMCAT F |
|  | **Main** | [5074](./docs/C4-245074.zip) | CR 29.571 0592 Rel-19 Correction of RtpHeaderExtInfo | Lenovo |  | WI XRMCAT A |
|  | **Main** | [5075](./docs/C4-245075.zip) | CR 29.244 0885 Rel-18 Correction of RTP Header Extension Additional Information | Lenovo |  | WI XRMCAT B |
|  | **Main** | [5076](./docs/C4-245076.zip) | CR 29.244 0886 Rel-19 Correction of RTP Header Extension Additional Information | Lenovo |  | WI XRMCAT A |
| **18.67** | **CT aspects of Access Traffic Steering, Switching and Splitting support in 5G system – Phase 3 [ATSSS\_Ph3]** |  |  |  |  |  |
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| **18.68** | **CT4 aspects of UPF enhancement for exposure and SBA [UPEAS]** |  |  |  |  |  |
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| **18.69** | **UE pre-configuration for 5MBS [UEConfig5MBS]** |  |  |  |  |  |
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| **18.70** | **CT aspects of Enhanced Mission Critical Push-to-talk architecture phase 4** **[enh4MCPTT]** |  |  |  |  |  |
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| **18.71** | **CT aspects of Slice-based PLMN Selection**  **[PLMNsel\_NS]** |  |  |  |  |  |
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| **18.72** | **Enhancement of Network Slicing UICC application for network slice-specific authentication and authorization [eNS\_UICC]** |  |  |  |  |  |
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| **18.73** | **CT aspects of MBS support for V2X services** **[TEI18\_MBS4V2X]** |  |  |  |  |  |
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| **18.74** | **CT aspects on** **Spending Limits for AM and UE Policies in the 5GC**  **[TEI18\_SLAMUP]** |  |  |  |  |  |
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| **18.75** | **CT aspects of home network triggered primary authentication** **[HN\_Auth]** |  |  |  |  |  |
|  | **Breakout** | [5038](./docs/C4-245038.zip) | CR 29.503 1314 Rel-19 Reauthentication pending | Nokia |  | WI TEI19, HN\_AuthCAT Foverlapping with 5056 (and mirror), 5231Need to decide whether this change should go back to Rel-18 |
|  | **Breakout** | [5056](./docs/C4-245056.zip) | CR 29.503 1356 Rel-18 Add UE unreachable case of Re-AuthenticationNotification | ZTE |  | WI HN\_AuthCAT F |
|  | **Breakout** | [5057](./docs/C4-245057.zip) | CR 29.503 1357 Rel-19 Add UE unreachable case of Re-AuthenticationNotification | ZTE |  | WI HN\_AuthCAT A |
|  | **Breakout** | [5231](./docs/C4-245231.zip) | CR 29.503 1367 Rel-19 Reauthentication reattempt in another access | Ericsson |  | WI HN\_AuthCAT BCAT B CR to frozen release is not desired |
| **18.76** | **CT aspects of Mission Critical ad hoc group Communications** **[MC\_AHGC]** |  |  |  |  |  |
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| **18.77** | **NRF API enhancements to avoid signalling and storing of redundant data** **[NRFe]**  |  |  |  |  |  |
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| **18.78** | **Network Slice Capability Exposure for Application Layer Enablement** **[NSCALE]**  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **18.79** | **Application enablement aspects for subscriber-aware northbound API access** **[SNAAPP]**  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **18.80** | **IVAS\_Codec [IVAS\_Codec]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **18.81** | **Update of conformance test specifications to Rel-18 [UEConTest\_R18]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **18.82** | **Test method of GBA\_U Based APIs [TEST\_GBA\_U\_APIs]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **18.83** | **UE conformance test for NB-IoT/eMTC Non-Terrestrial Networks in EPS [IoT\_SAT\_UEConTest]** |  |  |  |  |  |
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| **18.84** | **Any other Rel-18 Work item or Study item** |  |  |  |  |  |
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| **19** | **Release 19** |  |  |  |  |  |
| **19.1** | **Rel-19 Exception sheets or other Rel-19 work planning** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **19.2** | **New WIDs for Rel-19** |  |  |  |  |  |
| **19.2.1** | **CT4 Led WIDs** |  |  |  |  |  |
|  | **Plenary** | [5031](./docs/C4-245031.zip) | WID new Rel-19 New WID on CT aspects of energy efficiency and energy saving  | Samsung  |  |  |
|  | **Plenary** | [5105](./docs/C4-245105.zip) | WID new Rel-19 New WID on CT aspects of 5G NR Femto | NTT DOCOMO |  | Revision of agreed WID from CT4#125 |
|  | **Plenary** | [5141](./docs/C4-245141.zip) | WID new Rel-19 New WID on Reducing Information Exposure over SBI  | Samsung |  | UID 1060003 was allocated on CT4#125 |
|  | **Plenary** | [5166](./docs/C4-245166.zip) | WID new Rel-19 New WID on CT Aspects on TEI19\_DLPMRl | Ericsson |  |  |
|  | **Plenary** | [5195](./docs/C4-245195.zip) | WID new Rel-19 New WID on CT aspects of PRU Usage Extension supported by Core Network | CATT |  |  |
| **19.2.2** | **CT4 Supported WIDs** |  |  |  |  |  |
|  | **Plenary** | [5084](./docs/C4-245084.zip) | WID new Rel-19 New WID on CT aspects of Extended Reality and Media service (XRM) Phase 2 | Nokia |  | Revision of endorsed WID from CT4#125 |
|  | **Plenary** | [5199](./docs/C4-245199.zip) | discussion Rel-19 Discussion on the stage 2 status of AmbientIoT | Huawei |  |  |
|  | **Plenary** | [5200](./docs/C4-245200.zip) | WID new Rel-19 New WID on CT aspects of Architecture support of Ambient power-enabled Internet of Things | Huawei |  |  |
| **19.3** | **Revised WIDs for Rel-19** |  |  |  |  |  |
| **19.3.1** | **CT4 Led WIDs** |  |  |  |  |  |
|  | **Plenary** | [5085](./docs/C4-245085.zip) | WID revised Rel-19 CT aspects of enhancement of support for Edge Computing in 5G Core network - Phase 3 | Nokia |  |  |
|  | **Plenary** | [5150](./docs/C4-245150.zip) | WID revised Rel-19 revised WID on MPS4msg | Peraton Labs, CISA ECD, AT&T |  |  |
| **19.3.2** | **CT4 Supported WIDs** |  |  |  |  |  |
|  | **Plenary** | [5107](./docs/C4-245107.zip) | WID revised Rel-19 Enhancement of controlling RAT utilization | VODAFONE Group Plc |  |  |
|  | **Plenary** | [5194](./docs/C4-245194.zip) | WID revised Rel-19 Revised WID on CT aspects of Proximity-based Services in 5GS Phase 3 | CATT |  |  |
|  | **Plenary** | [5223](./docs/C4-245223.zip) | WID revised Rel-19 Revised WID on CT aspects of ProSe support in NPN | China Telecomunication Corp. |  |  |
|  | **Plenary** | [5286](./docs/C4-245286.zip) | WID revised Rel-19 Revised WID on CT aspects of Multi-Access (ATSSS\_Ph4) | Apple |  |  |
| **19.4** | **TEI19 [TEI19]** |  |  |  |  |  |
|  | **Main** | [5026](./docs/C4-245026.zip) | CR 29.502 0800 Rel-19 PGW Change Indication for the restoration of a PDN connection during EPS to 5GS mobility | Ericsson, Nokia |  | WI RPCPSET, TEI19CAT B |
|  |  | [5038](./docs/C4-245038.zip) | CR 29.503 1314 Rel-19 Reauthentication pending | Nokia | Moved to 18.75 | WI TEI19, HN\_AuthCAT F |
|  | **Plenary** | [5080](./docs/C4-245080.zip) | CR 29.571 0599 Rel-19 Update the MeasurementType to support UE level measurement | China Mobile |  | WI TEI19CAT B |
|  |  | [5081](./docs/C4-245081.zip) | CR 29.502 0820 Rel-19 Update the Nsmf\_PDUSession API to support UE level measurement trace | China Mobile | Moved to 18.4 | WI TEI19CAT A |
|  |  | [5082](./docs/C4-245082.zip) | CR 29.503 1360 Rel-19 Update the Nudm\_SDM to support UE level measurements trace | China Mobile | Moved to 18.4 | WI TEI19CAT A |
|  | **Main** | [5086](./docs/C4-245086.zip) | CR 29.244 0887 Rel-19 GTP-U Path QoS Control Information | Nokia, MCC |  | WI TEI19, 5G\_URLLCCAT F |
|  | **Main** | [5087](./docs/C4-245087.zip) | CR 29.281 0135 Rel-19 PDU Session container for non-3GPP accesses | Nokia |  | WI TEI19, 5GS\_Ph1-CTCAT F |
|  | **Plenary** | [5088](./docs/C4-245088.zip) | CR 29.510 1090 Rel-19 Access Token Request parameters | Nokia |  | WI TEI19, 5GS\_Ph1-CTCAT F |
|  | **Plenary** | [5115](./docs/C4-245115.zip) | CR 29.510 1098 Rel-19 Update access token | Huawei |  | WI TEI19CAT B |
|  | **Plenary** | [5116](./docs/C4-245116.zip) | CR 29.510 1099 Rel-19 Missing re-used Data Type | Huawei |  | WI TEI19CAT F |
|  | **Breakout** | [5126](./docs/C4-245126.zip) | CR 29.503 1317 Rel-19 Additional PGW IP Address | Nokia |  | WI TEI19CAT F |
|  | **Breakout** | [5130](./docs/C4-245130.zip) | CR 29.515 0192 Rel-19 Addition of coarse location information of UE in Ngmlc\_Location service response to NEF | CEWiT |  | WI 5G\_eLCS\_ph2CAT B |
|  | **Plenary** | [5132](./docs/C4-245132.zip) | CR 23.527 0089 Rel-19 PFCP sessions excluded from the restoration upon a SMF failure with SMF set being deployed | Ericsson |  | WI TEI19CAT B |
|  | **Plenary** | [5133](./docs/C4-245133.zip) | CR 29.244 0895 Rel-19 PFCP sessions excluded from the restoration upon a SMF failure with SMF set being deployed | Ericsson |  | WI TEI19CAT B |
|  | **Plenary** | [5138](./docs/C4-245138.zip) | CR 29.244 0896 Rel-19 Extra reference to 3GPP TS 29.512 | Ericsson |  | WI TEI19CAT F |
|  | **Plenary** | [5142](./docs/C4-245142.zip) | discussion Rel-19 5G NF selection based on Service Reliability | Samsung |  |  |
|  | **Breakout** | [5167](./docs/C4-245167.zip) | CR 29.515 0193 Rel-19 NRPPa Periodic Indication | Ericsson |  | WI TEI19\_DLPMRCAT B |
|  | **Main** | [5168](./docs/C4-245168.zip) | CR 29.518 1145 Rel-19 NRPPa Periodic Indication | Ericsson |  | WI TEI19\_DLPMRCAT B |
|  | **Main** | [5169](./docs/C4-245169.zip) | CR 29.572 0299 Rel-19 NRPPa Periodic Indication | Ericsson |  | WI TEI19\_DLPMRCAT B |
|  | **Breakout** | [5178](./docs/C4-245178.zip) | CR 29.503 1362 Rel-19 DNN and Slice information for Communication Failure Event | Ericsson |  | WI TEI19CAT F |
|  | **Main** | [5179](./docs/C4-245179.zip) | CR 29.518 1146 Rel-19 DNN and Slice information for Communication Failure Event | Ericsson |  | WI TEI19CAT F |
|  | **Plenary** | [5201](./docs/C4-245201.zip) | discussion Rel-19 Discussion on PS Data Off and Positioning over user plane connection | Huawei |  |  |
|  |  | [5202](./docs/C4-245202.zip) | LS out Rel-19 LS on PS Data Off and Positioning over user plane connection | Huawei | Moved to 4.2 |  |
|  | **Breakout** | [5213](./docs/C4-245213.zip) | CR 29.572 0305 Rel-19 Support of PRU Usage Extension | Huawei |  | WI TEI19CAT B |
|  | **Main** | [5220](./docs/C4-245220.zip) | CR 29.518 1151 Rel-19 Correction of feature negotiation | Samsung Electronics Iberia SA |  | WI TEI19\_NetShareCAT FWork item code to be corrected |
|  |  | [5245](./docs/C4-245245.zip) | CR 29.503 1371 Rel-19 Clarification on access type of Slice Deregistration Inactivity Timer | Nokia | Moved to 18.65 | WI TEI19CAT F |
|  |  | [5246](./docs/C4-245246.zip) | CR 29.571 0607 Rel-19 Clarification on Slice usage control information | Nokia | Moved to 18.65 | WI TEI19CAT F |
|  | **Main** | [5250](./docs/C4-245250.zip) | CR 29.518 1154 Rel-19 incorrect namf-comm resouces name | Nokia |  | WI TEI19CAT F |
|  | **Main** | [5251](./docs/C4-245251.zip) | CR 29.518 1155 Rel-19 Incorrect namf-comm service name | Nokia |  | WI TEI19CAT F |
|  | **Breakout** | [5252](./docs/C4-245252.zip) | CR 29.572 0310 Rel-19 Incorrect resource URI definition | Nokia |  | WI TEI19CAT F |
|  | **Breakout** | [5253](./docs/C4-245253.zip) | CR 29.572 0311 Rel-19 Incorrect usage of HTTP for Nlmf\_Broadcast service | Nokia |  | WI TEI19CAT F |
|  | **Breakout** | [5254](./docs/C4-245254.zip) | CR 29.572 0312 Rel-19 Eliminate the duplicate reference | Nokia |  | WI TEI19CAT F |
|  | **Plenary** | [5255](./docs/C4-245255.zip) | CR 29.573 0221 Rel-19 Incorrect n32fContextId name | Nokia |  | WI TEI19CAT F |
|  | **Main** | [5269](./docs/C4-245269.zip) | CR 29.531 0228 Rel-19 Correction on enumerations | Huawei |  | WI TEI19CAT F |
|  | **Main** | [5270](./docs/C4-245270.zip) | CR 29.536 0137 Rel-19 Correction on EacNotification data type | Huawei |  | WI TEI19CAT F |
|  | **Plenary** | [5271](./docs/C4-245271.zip) | CR 29.571 0609 Rel-19 Correction on Plmn Data type | Huawei |  | WI TEI19CAT F |
|  | **Plenary** | [5272](./docs/C4-245272.zip) | CR 29.571 0610 Rel-19 Add description in data types OpenAPI definition | Huawei |  | WI TEI19CAT F |
|  | **Plenary** | [5273](./docs/C4-245273.zip) | CR 29.571 0611 Rel-19 Support of Network Slice Area Scope of MDT | Huawei |  | WI TEI19, NR\_ENDC\_SON\_MDT\_Ph4-CoreCAT B |
|  | **Plenary** | [5274](./docs/C4-245274.zip) | CR 29.573 0222 Rel-19 Updates of the Roaming Intermediary Procedures | Huawei |  | WI TEI19CAT F |
|  | **Main** | [5275](./docs/C4-245275.zip) | CR 29.502 0828 Rel-19 Support of V-SMF procedures for Release SM context operation | Huawei |  | WI TEI19CAT F |
| **19.5** | **CT Aspects on Minimize the Number of Policy Associations [TEI19\_MINPA]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **19.6** | **CT aspects of Enhancing Parameter Provisioning with static UE IP address and UP security policy [TEI19\_IP\_SP\_EXP]** |  |  |  |  |  |
|  | **Breakout** | [5022](./docs/C4-245022.zip) | CR 29.503 1340 Rel-19 Enhancing Parameter Provisioning with Static IP address | Ericsson, Huawei, Nokia |  | WI TEI19\_IP\_SP\_EXPCAT B |
| **19.7** | **CT aspects of Providing per-subscriber VLAN instructions from UDM and DN-AAA [TEI19\_VLANSUB]** |  |  |  |  |  |
|  | **Plenary** | [5069](./docs/C4-245069.zip) | CR 29.244 0884 Rel-19 Description for handling of allowed VLAN tags and use of VLAN Handling Information in SMF | Ericsson |  | WI TEI19\_VLANSUBCAT B |
|  | **Plenary** | [5070](./docs/C4-245070.zip) | CR 29.503 1358 Rel-19 VLAN tag handling information and allowd VLAN Tags | Ericsson |  | WI TEI19\_VLANSUBCAT Boverlapping with 5215 |
|  | **Plenary** | [5215](./docs/C4-245215.zip) | CR 29.503 1363 Rel-19 Support of VLAN handling instructions in SM subscription data | Huawei |  | WI TEI19\_VLANSUBCAT B |
| **19.8** | **CT Aspects of Application Layer Support for Uncrewed Aerial Systems (UAS), Phase 3[UASAPP\_Ph3]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **19.9** | **CT aspects for Enabling Edge Applications Phase 3[EDGEAPP\_Ph3]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **19.10** | **Service Based Interface Protocol Improvements Release 19 [SBIProtoc19]** |  |  |  |  |  |
|  | **Breakout** | [5021](./docs/C4-245021.zip) | CR 29.503 1319 Rel-19 Shared Monitoring Suspension | Nokia, Ericsson |  | WI SBIProtoc19CAT B |
|  | **Breakout** | [5035](./docs/C4-245035.zip) | CR 29.503 1352 Rel-19 Enum indentation | Nokia |  | WI SBIProtoc19CAT F |
|  | **Breakout** | [5036](./docs/C4-245036.zip) | CR 29.505 0524 Rel-19 Enum indentation | Nokia |  | WI SBIProtoc19CAT F |
|  | **Breakout** | [5037](./docs/C4-245037.zip) | CR 29.503 1353 Rel-19 Additional Shared Snssai Infos Ids in SMF Selection Subscription Data | Nokia, Verizon |  | WI SBIProtoc19CAT B |
|  | **Plenary** | [5058](./docs/C4-245058.zip) | CR 29.510 1087 Rel-19 Clarify the case of the same S-NSSAI value used across different PLMNs | ZTE |  | WI SBIProtoc19CAT F |
|  | **Plenary** | [5104](./docs/C4-245104.zip) | CR 29.501 0170 Rel-19 Query parameter clarification | Nokia |  | WI SBIProtoc19CAT F |
|  | **Plenary** | [5128](./docs/C4-245128.zip) | CR 29.510 1046 Rel-19 Reducing Information Exposure using Resource Content Filters | Nokia |  | WI SBIProtoc19CAT B |
|  | **Breakout** | [5131](./docs/C4-245131.zip) | CR 29.504 0293 Rel-19 UP Path Change event outcome feature addition in UDR Feature negotiation table | CEWiT |  | WI SBIProtoc19CAT B |
|  | **Plenary** | [5140](./docs/C4-245140.zip) | CR 29.571 0602 Rel-19 MdtConfiguration | Nokia |  | WI SBIProtoc19CAT F |
|  | **Plenary** | [5170](./docs/C4-245170.zip) | CR 29.510 1106 Rel-19 Enhancement to P-CSCF Selection | Ericsson |  | WI SBIProtoc19CAT B |
|  | **Plenary** | [5171](./docs/C4-245171.zip) | CR 29.510 1107 Rel-19 Support to UPF Selection for 2G/3G Access | Ericsson |  | WI SBIProtoc19CAT B |
|  | **Main** | [5172](./docs/C4-245172.zip) | CR 29.502 0821 Rel-19 N1/N2 SM Rejection in 502 Response | Ericsson |  | WI SBIProtoc19CAT B |
|  | **Breakout** | [5193](./docs/C4-245193.zip) | CR 29.336 0189 Rel-19 Correction to the code of Include-Identifiers AVP | CATT |  | WI SBIProtoc19CAT D |
|  | **Plenary** | [5222](./docs/C4-245222.zip) | CR 29.510 1082 Rel-19 Canary test procedure clarifications | Ericsson |  | WI SBIProtoc19CAT F |
|  | **Plenary** | [5224](./docs/C4-245224.zip) | CR 29.510 1109 Rel-19 Canary test enhancements for preferred-xxx discoveries | Ericsson |  | WI SBIProtoc19CAT B |
|  | **Plenary** | [5225](./docs/C4-245225.zip) | CR 29.501 0171 Rel-19 Presence condition in an Information Element | Ericsson |  | WI SBIProtoc19CAT F |
|  | **Breakout** | [5227](./docs/C4-245227.zip) | CR 29.503 1364 Rel-19 Correction to Stale-Check Callback URI | Ericsson |  | WI SBIProtoc19CAT F |
|  | **Breakout** | [5228](./docs/C4-245228.zip) | CR 29.505 0525 Rel-19 AF-specific UE identifiers shall not be used for AF ID authorization | Ericsson |  | WI SBIProtoc19CAT F |
|  | **Breakout** | [5232](./docs/C4-245232.zip) | CR 29.503 1368 Rel-19 PP Data Entry is to be used when multiple AFs are expected to provision the same data | Ericsson |  | WI SBIProtoc19CAT F |
|  | **Breakout** | [5233](./docs/C4-245233.zip) | CR 29.503 1369 Rel-19 Addition of GET method to the PP Data resource | Ericsson |  | WI SBIProtoc19CAT F |
|  | **Breakout** | [5283](./docs/C4-245283.zip) | CR 29.503 1372 Rel-19 af-service-id attribute is not used in Identifier Translation procedure | Ericsson |  | WI SBIProtoc19CAT F |
| **19.11** | **Subscriber Data Migration [SUBDMIG]** |  |  |  |  |  |
|  | **Plenary** | [5173](./docs/C4-245173.zip) | CR 29.502 0822 Rel-19 UDM Group Re-Discovery and Synchronization Indications | Ericsson |  | WI SUBDMIGCAT B |
|  | **Plenary** | [5234](./docs/C4-245234.zip) | CR 29.510 1110 Rel-19 Data restoration notification type used for subscriber data migration | Ericsson |  | WI SUBDMIGCAT F |
|  | **Plenary** | [5235](./docs/C4-245235.zip) | CR 23.527 0090 Rel-19 Time-based restoration with subscriber data migration | Ericsson |  | WI SUBDMIGCAT B |
|  | **Plenary** | [5237](./docs/C4-245237.zip) | CR 29.503 1370 Rel-19 Time-based restoration | Ericsson |  | WI SUBDMIGCAT B |
| **19.12** | **Rel-19 Enhancements of 3GPP Northbound and Application Layer Interfaces and APIs[NBI19]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **19.13** | **IMS Stage-3 IETF Protocol Alignment [IMSProtoc19]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **19.14** | **Protocol enhancements for Mission Critical Services [MCProtoc19]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **19.15** | **Enhancement of controlling RAT utilization [ECRATU]** |  |  |  |  |  |
|  | **Breakout** | [5042](./docs/C4-245042.zip) | CR 29.503 1318 Rel-19 RAT restriction by serving PLMN policy | Nokia |  | WI ECRATUCAT B |
|  | **Breakout** | [5206](./docs/C4-245206.zip) | CR 29.272 0866 Rel-19 RAT utilization control | Huawei |  | WI ECRATUCAT B |
|  | **Breakout** | [5207](./docs/C4-245207.zip) | CR 29.230 0714 Rel-19 Add new AVPs for RAT utilization control | Huawei |  | WI ECRATUCAT B |
| **19.16** | **Enhanced Mission Critical Location Management [enhMCLoc]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **19.17** | **Stage-3 5GS NAS protocol development 19 general aspects [5GProtoc19]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **19.18** | **Stage-3 5GS NAS protocol development 19 non 3GPP aspects [5GProtoc19-non3GPP]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **19.19** | **Stage-3 SAE Protocol Development general [SAES19]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **19.20** | **Stage3 SAE Protocol Development non 3GPP [SAES19-non3GPP]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **19.21** | **CT Aspects of Indirect Network Sharing** **[TEI19\_NetShare]** |  |  |  |  |  |
|  | **Plenary** | [5055](./docs/C4-245055.zip) | CR 29.500 0452 Rel-19 Clarification on SBI Header Setting | ZTE |  | WI TEI19\_NetShareCAT B |
|  | **Plenary** | [5181](./docs/C4-245181.zip) | CR 29.531 0223 Rel-19 Resolve EN for Network Slice Selection in Participating Operator Network | Ericsson, Nokia |  | WI TEI19\_NetShareCAT B |
|  | **Plenary** | [5256](./docs/C4-245256.zip) | CR 29.502 0827 Rel-19 Support of Indirect Network Sharing deployment | Nokia |  | WI TEI19\_NetShareCAT B |
| **19.22** | **CT aspects of railways specific enhancements to mission critical services [FRMCS\_Ph5]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **19.23** | **CT aspects of Architecture support of roaming value-added services [TEI19\_RVAS]** |  |  |  |  |  |
|  | **Plenary** | [5257](./docs/C4-245257.zip) | CR 29.510 1113 Rel-19 Access token for RVAS | Nokia |  | WI TEI19\_RVASCAT B |
| **19.24** | **CT Aspects of On-demand broadcast of GNSS assistance enhancement [TEI19\_OBGAD]** |  |  |  |  |  |
|  | **Main** | [5023](./docs/C4-245023.zip) | CR 29.518 1121 Rel-19 Support of on-demand broadcast of GNSS assistance data | China Mobile, Huawei, Ericsson, Nokia |  | WI TEI19\_OBGADCAT B |
|  |  | 5180 | CR 29.518 1121 Rel-19 Support of on-demand broadcast of GNSS assistance data | China Mobile, Huawei, Ericsson, Nokia | withdrawn | WI TEI19\_OBGADCAT B |
| **19.25** | **CT aspects of NF discovery and selection by target PLMN [TEI19\_NFsel\_by\_tPLMN]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **19.26** | **CT aspects of enhancement of support for Edge Computing in 5G Core network - Phase 3 [eEDGE\_5GC\_Ph3]** |  |  |  |  |  |
|  | **Plenary** | [5047](./docs/C4-245047.zip) | CR 29.504 0292 Rel-19 N6 delay consideration | Nokia |  | WI eEDGE\_5GC\_Ph3CAT B |
|  | **Plenary** | [5091](./docs/C4-245091.zip) | CR 29.510 1091 Rel-19 N6 delay measurement protocols | Nokia |  | WI eEDGE\_5GC\_Ph3CAT BOverlapping with 5118 |
|  | **Plenary** | [5118](./docs/C4-245118.zip) | CR 29.510 1101 Rel-19 Supported protocol to measure N6 delay | Huawei |  | WI eEDGE\_5GC\_Ph3CAT B |
|  | **Plenary** | [5092](./docs/C4-245092.zip) | CR 29.244 0888 Rel-19 N6 Delay Measurement and Reporting | Nokia |  | WI eEDGE\_5GC\_Ph3CAT B |
|  | **Plenary** | [5089](./docs/C4-245089.zip) | CR 29.571 0593 Rel-19 Local Offloading Information | Nokia |  | WI eEDGE\_5GC\_Ph3CAT B |
|  | **Plenary** | [5090](./docs/C4-245090.zip) | CR 29.502 0810 Rel-19 N11 and N16a enhancements for I-SMF based Local Offloading Management | Nokia |  | WI eEDGE\_5GC\_Ph3CAT B |
|  | **Plenary** | [5117](./docs/C4-245117.zip) | CR 29.510 1100 Rel-19 Discovery of SMF based on Local Offloading Management | Huawei |  | WI eEDGE\_5GC\_Ph3CAT B |
| **19.27** | **MPS for IMS Messaging and SMS services [MPS4msg]** |  |  |  |  |  |
|  |  | 5143 | CR 23.540 0021 Rel-19 MPS for Messaging SMS over NAS SBI alignment | Peraton Labs, CISA ECD, AT&T | withdrawn | WI MPS4msgCAT B |
|  | **Breakout** | [5144](./docs/C4-245144.zip) | CR 29.228 0700 Rel-19 MPS for IMS Messaging Indicator on Cx | Peraton Labs, CISA ECD, AT&T |  | WI MPS4msgCAT B |
|  |  | 5145 | CR 29.272 0863 Rel-19 MPS for Messaging Indication on s6a | Peraton Labs, CISA ECD, AT&T | withdrawn | WI MPS4msgCAT B |
|  | **Breakout** | [5146](./docs/C4-245146.zip) | CR 29.336 0187 Rel-19 29.336 MPS for Messaging Indicator on S6t | Peraton Labs, CISA ECD, AT&T |  | WI MPS4msgCAT B |
|  | **Breakout** | [5147](./docs/C4-245147.zip) | CR 29.338 0059 Rel-19 29.338 MPS for Messaging Indicator on S6c and SGd | Peraton Labs, CISA ECD, AT&T |  | WI MPS4msgCAT B |
|  | **Breakout** | [5148](./docs/C4-245148.zip) | CR 29.503 1361 Rel-19 MPS for Messaging Indicator in UDM | Peraton Labs, CISA ECD, AT&T |  | WI MPS4msgCAT B |
|  | **Breakout** | [5149](./docs/C4-245149.zip) | CR 29.562 0157 Rel-19 29.562 MPS for IMS Messaging Indication on Nhss | Perspecta Labs, CISA ECD, AT&T |  | WI MPS4msgCAT B |
|  | **Breakout** | [5151](./docs/C4-245151.zip) | discussion Rel-19 Discussion on MPS for Messaging | Peraton Labs, CISA ECD, AT&T |  |  |
|  | **Breakout** | [5152](./docs/C4-245152.zip) | CR 23.540 0022 Rel-19 MPS priority for Messaging SMS over NAS SBI | Peraton Labs, CISA ECD, AT&T |  | WI MPS4msgCAT F |
|  | **Breakout** | [5153](./docs/C4-245153.zip) | CR 29.272 0864 Rel-19 29.272 MPS for Messaging Indicator on S6a | Peraton Labs, CISA ECD, AT&T |  | WI MPS4msgCAT B |
| **19.28** | **Identifying non-3GPP Devices Connecting behind a UE or 5G-RG [UIA\_ARC]** |  |  |  |  |  |
|  | **Plenary** | [5071](./docs/C4-245071.zip) | Work Plan Rel-19 Work plan for UIA\_ARC | InterDigital Communications |  |  |
|  | **Plenary** | [5216](./docs/C4-245216.zip) | CR 23.003 0706 Rel-19 Identifiers of N3GPP device behind UE/5G-RG | Huawei |  | WI UIA\_ARCCAT B |
|  | **Plenary** | [5217](./docs/C4-245217.zip) | CR 29.504 0294 Rel-19 Support of non-3GPP device information | Huawei |  | WI UIA\_ARCCAT B |
|  | **Plenary** | [5289](./docs/C4-245289.zip) | CR 29.504 0296 Rel-19 Non3gppDevice feature | Nokia |  | WI UIA\_ARCCAT B |
| **19.29** | **CT aspects on Spending Limits for UE Policies in Roaming scenario [TEI19\_SLUPiR]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **19.30** | **CT aspects of QoS monitoring enhancement [TEI19\_QME]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **19.31** | **CT Aspects of Phase3 for UAS, UAV and UAM [UAS\_Ph3]** |  |  |  |  |  |
|  | **Main** | [5182](./docs/C4-245182.zip) | CR 29.518 1135 Rel-19 New AMF Event of Trajectory Tracking for USS Change Over | Ericsson, LG Electronics, Huawei |  | WI UAS\_Ph3CAT B |
| **19.32** | **CT aspects of enhanced application layer support for location services [eLSAPP]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **19.33** | **CT aspects of SEAL data delivery enabler for vertical applications Phase 2 [SEALDD\_Ph2]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **19.34** | **CT aspects of integration of satellite components in the 5G architecture Phase 3 [5GSAT\_Ph3\_ARCH]** |  |  |  |  |  |
|  | **Plenary** | [5190](./docs/C4-245190.zip) | CR 29.128 0084 Rel-19 Support monitoring event for store and forward operation | CATT |  | WI 5GSAT\_Ph3\_ARCHCAT B |
|  | **Plenary** | [5191](./docs/C4-245191.zip) | CR 29.272 0865 Rel-19 Support monitoring event for store and forward operation | CATT |  | WI 5GSAT\_Ph3\_ARCHCAT B |
|  | **Plenary** | [5192](./docs/C4-245192.zip) | CR 29.336 0188 Rel-19 Support monitoring event for store and forward operation | CATT |  | WI 5GSAT\_Ph3\_ARCHCAT B |
| **19.35** | **CT aspects of ProSe support in NPN [TEI19\_ProSe\_NPN]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **19.36** | **CT aspects of Proximity-based Services in 5GS Phase 3 [5G\_ProSe\_Ph3]** |  |  |  |  |  |
|  | **Plenary** | [5189](./docs/C4-245189.zip) | CR 29.510 1108 Rel-19 Support 5G ProSe L3 multi-hop relay services | CATT |  | WI 5G\_ProSe\_Ph3CAT B |
| **19.37** | **CT aspects of UPF enhancement for Exposure And SBA Phase 2 [UPEAS\_Ph2]** |  |  |  |  |  |
|  | **Main** | [5029](./docs/C4-245029.zip) | CR 29.244 0882 Rel-19 Support of handling of headers in N4 interface | Ericsson |  | WI UPEAS\_Ph2CAT B |
|  | **Main** | [5030](./docs/C4-245030.zip) | CR 29.564 0118 Rel-19 Event Exposure for Handling of Payload Headers Functionality | Ericsson |  | WI UPEAS\_Ph2CAT B |
|  | **Plenary** | [5064](./docs/C4-245064.zip) | Work Plan Rel-19 Work Plan for UPEAS\_Ph2 | ZTE |  |  |
|  |  | 5065 | CR 29.510 1088 Rel-19 Clarify the handling if no UPF is discovered | ZTE | withdrawn | WI UPEAS\_Ph2CAT F |
|  | **Main** | [5066](./docs/C4-245066.zip) | CR 29.564 0119 Rel-19 Clarify the handling if no UPF is discovered | ZTE |  | WI UPEAS\_Ph2CAT B |
|  | **Main** | [5093](./docs/C4-245093.zip) | CR 29.564 0116 Rel-19 New UPF event to get the NATed UE public IP address and port number | Nokia |  | WI UPEAS\_Ph2CAT BOverlapping with 5282 |
|  | **Main** | [5282](./docs/C4-245282.zip) | CR 29.564 0112 Rel-19 Supporting UE NAT Mapping Event Exposure | Ericsson |  | WI UPEAS\_Ph2CAT B |
|  | **Main** | [5137](./docs/C4-245137.zip) | CR 29.564 0120 Rel-19 UPF notifying the termination of the UPF event subscription | Ericsson |  | WI UPEAS\_Ph2CAT B |
|  | **Plenary** | [5198](./docs/C4-245198.zip) | CR 29.503 1320 Rel-19 Required and/or Preferred UPF functionalities in subscription data | Ericsson, Nokia, Huawei |  | WI UPEAS\_Ph2CAT BBoth of 5198 and 5285 are revision of C4-244545 (agreed CR from CT4#125) |
|  | **Plenary** | [5285](./docs/C4-245285.zip) | CR 29.503 1320 Rel-19 Required and/or Preferred UPF functionalities in subscription data | [Ericsson, Nokia, Huawei], Samsung |  | WI UPEAS\_Ph2CAT BBoth of 5198 and 5285 are revision of C4-244545 (agreed CR from CT4#125) |
|  | **Main** | [5265](./docs/C4-245265.zip) | CR 29.244 0901 Rel-19 PFCP session due to UPF relocation | Huawei |  | WI UPEAS\_Ph2CAT F |
|  | **Plenary** | [5288](./docs/C4-245288.zip) | CR 29.504 0295 Rel-19 Introduction of Handling of Payload Headers feature | Ericsson |  | WI UPEAS\_Ph2CAT B |
| **19.38** | **Rel-19 Enhancements of Network Automation Enablers [eNetAE19]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **19.39** | **CT aspects of Core Network Enhanced Support for Artificial Intelligence (AI) and Machine Learning (ML) [AIML\_CN]** |  |  |  |  |  |
|  | **Plenary** | [5067](./docs/C4-245067.zip) | CR 29.510 1089 Rel-19 Update of NWDAF discovery | ZTE |  | WI AIML\_CNCAT BOverlapping with 5111, 5164 |
|  | **Plenary** | [5111](./docs/C4-245111.zip) | CR 29.510 1096 Rel-19 New capability of MTLF | Huawei |  | WI AIML\_CNCAT B |
|  | **Plenary** | [5164](./docs/C4-245164.zip) | CR 29.510 1104 Rel-19 Providing an indication of supporting model training for LMF-based AI/ML Positioning during NRF registration | vivo |  | WI AIML\_CNCAT B |
|  | **Plenary** | [5110](./docs/C4-245110.zip) | CR 29.510 1095 Rel-19 New LMF service | Huawei |  | WI AIML\_CNCAT BOverlapping with 5240 |
|  | **Plenary** | [5240](./docs/C4-245240.zip) | CR 29.510 1111 Rel-19 Add the nlmf\_dataexposure service to the service name list | Nokia |  | WI AIML\_CNCAT B |
|  | **Plenary** | [5112](./docs/C4-245112.zip) | CR 29.510 1097 Rel-19 Supporting vertical federated learning | Huawei |  | WI AIML\_CNCAT BOverlapping with 5165, 5241 |
|  | **Plenary** | [5165](./docs/C4-245165.zip) | CR 29.510 1105 Rel-19 Support of VFL capability information | vivo |  | WI AIML\_CNCAT B |
|  | **Plenary** | [5241](./docs/C4-245241.zip) | CR 29.510 1112 Rel-19 Extend the MlAnalyticsInfo to include the VFL capability | Nokia |  | WI AIML\_CNCAT B |
|  | **Main** | [5113](./docs/C4-245113.zip) | CR 29.518 1139 Rel-19 Presence-In-AOI-Report considering UE positioning capabilities | Huawei |  | WI AIML\_CNCAT BOverlapping with 5162, 5239, 5242 |
|  | **Main** | [5162](./docs/C4-245162.zip) | CR 29.518 1144 Rel-19 New event ID of Namf\_EventExposure service to support AI positioning | vivo |  | WI AIML\_CNCAT B |
|  | **Main** | [5239](./docs/C4-245239.zip) | CR 29.518 1152 Rel-19 Addition of Data Collection parameters in AMF for LMF data collection procedure | Ericsson |  | WI AIML\_CNCAT B |
|  | **Main** | [5242](./docs/C4-245242.zip) | CR 29.518 1153 Rel-19 Add UE positioning capabilities to event Exposure | Nokia |  | WI AIML\_CNCAT B |
|  | **Plenary** | [5161](./docs/C4-245161.zip) | Work Plan Rel-19 Work plan for the CT aspects of AIML\_CN | vivo |  |  |
|  | **Breakout** | [5163](./docs/C4-245163.zip) | CR 29.572 0298 Rel-19 Introduction of Nlmf\_DataExposure service | vivo |  | WI AIML\_CNCAT BOverlapping with 5238, 5244 |
|  | **Breakout** | [5238](./docs/C4-245238.zip) | CR 29.572 0307 Rel-19 LMF Enhancements for LMF based AI/ML Positioning – Stage 3 aspects | Ericsson |  | WI AIML\_CNCAT B |
|  | **Breakout** | [5244](./docs/C4-245244.zip) | CR 29.572 0309 Rel-19 New DataExposure service | Nokia |  | WI AIML\_CNCAT B |
|  | **Breakout** | [5205](./docs/C4-245205.zip) | CR 29.572 0304 Rel-19 Updates on the Reference model | Huawei |  | WI AIML\_CNCAT BOverlapping with 5243 |
|  | **Breakout** | [5243](./docs/C4-245243.zip) | CR 29.572 0308 Rel-19 NWADF and DCCF as consumers of LMF service | Nokia |  | WI AIML\_CNCAT B |
| **19.40** | **CT aspects of Next Generation Real time Communication services [NG\_RTC\_Ph2]** |  |  |  |  |  |
|  | **Breakout** | [5052](./docs/C4-245052.zip) | CR 29.175 0024 Rel-19 Event Notification for PS Data Off Status | ZTE |  | WI NG\_RTC\_Ph2CAT F |
|  | **Breakout** | [5124](./docs/C4-245124.zip) | CR 29.175 0025 Rel-19 Update the description of EventInitiator data type | China Mobile |  | WI NG\_RTC\_Ph2CAT D |
|  | **Breakout** | [5127](./docs/C4-245127.zip) | CR 29.175 0026 Rel-19 Support of PS Data off feature for data channel | China Mobile |  | WI NG\_RTC\_Ph2CAT B |
|  | **Breakout** | [5129](./docs/C4-245129.zip) | CR 29.175 0027 Rel-19 Support of the specific PSI within Called ID for standalone DC | China Mobile |  | WI NG\_RTC\_Ph2CAT B |
|  | **Breakout** | [5134](./docs/C4-245134.zip) | CR 29.175 0028 Rel-19 Support of IMS AS Event Exposure Service | China Mobile, Huawei |  | WI NG\_RTC\_Ph2CAT B |
|  | **Breakout** | [5135](./docs/C4-245135.zip) | CR 29.562 0155 Rel-19 Support of IMS subscribe and Notify framework in HSS | China Mobile |  | WI NG\_RTC\_Ph2CAT B |
|  | **Breakout** | [5136](./docs/C4-245136.zip) | CR 29.562 0156 Rel-19 Add Nhss\_imsEE service in HSS | China Mobile |  | WI NG\_RTC\_Ph2CAT B |
|  | **Breakout** | [5154](./docs/C4-245154.zip) | CR 29.175 0029 Rel-19 Report the PS Data Off Status to DCSF | Huawei |  | WI NG\_RTC\_Ph2CAT B |
|  | **Breakout** | [5155](./docs/C4-245155.zip) | CR 29.562 0158 Rel-19 Support of IMS AS registration to HSS | Huawei |  | WI NG\_RTC\_Ph2CAT B |
|  | **Breakout** | [5156](./docs/C4-245156.zip) | CR 29.571 0603 Rel-19 Add ImsEvent to the IMS common data | Huawei |  | WI NG\_RTC\_Ph2CAT B |
|  | **Breakout** | [5157](./docs/C4-245157.zip) | CR 29.510 1103 Rel-19 Support of IMS AS registration to NRF | Huawei |  | WI NG\_RTC\_Ph2CAT B |
|  | **Breakout** | [5158](./docs/C4-245158.zip) | CR 29.175 0030 Rel-19 Definition of Nimsas\_ImsEE Service | Huawei |  | WI NG\_RTC\_Ph2CAT B |
|  | **Breakout** | [5159](./docs/C4-245159.zip) | CR 29.175 0021 Rel-19 Definition of Nimsas\_ImsSessionManagement Service | Huawei |  | WI NG\_RTC\_Ph2CAT B |
|  | **Breakout** | [5219](./docs/C4-245219.zip) | CR 29.562 0159 Rel-19 Service description update to support IMS AS Instance Registration | China Mobile |  | WI NG\_RTC\_Ph2CAT B |
|  | **Breakout** | [5221](./docs/C4-245221.zip) | CR 29.562 0160 Rel-19 API defination update to support IMS AS Instance Registration | China Mobile |  | WI NG\_RTC\_Ph2CAT B |
| **19.41** | **CT aspects of application enablement for AIML services [AIML\_App]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **19.42** | **CT aspects for application enablement for mobile metaverse services [Metaverse\_App]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **19.43** | **CT Aspects of Vehicle Mounted Relays Phase 2 [VMR\_Ph2]** |  |  |  |  |  |
|  | **Plenary** | [5043](./docs/C4-245043.zip) | Work Plan Rel-19 Work plan for VMR\_Ph2 | Qualcomm Incorporated |  |  |
|  | **Plenary** | [5044](./docs/C4-245044.zip) | CR 29.572 0297 Rel-19 Support of additional ULI in MWAB | Qualcomm Incorporated |  | WI VMR\_Ph2CAT BOverlapping with 5218, 5258 |
|  | **Plenary** | [5218](./docs/C4-245218.zip) | CR 29.572 0306 Rel-19 Updates on Additional ULI to support MWAB-UE | Huawei |  | WI VMR\_Ph2CAT B |
|  | **Plenary** | [5258](./docs/C4-245258.zip) | CR 29.572 0313 Rel-19 Additional ULI for MWAB | Nokia |  | WI VMR\_Ph2CAT B |
| **19.44** | **Alignment of eCall over IMS with CEN [eCallCEN]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **19.45** | **CT aspects of Multi-Access (ATSSS\_Ph4) [MASSS]** |  |  |  |  |  |
|  | **Main** | [5068](./docs/C4-245068.zip) | CR 29.244 0883 Rel-19 Support for MPQUIC-IP and MPQUIC-E steering functionalities | Ericsson |  | WI MASSSCAT Boverlapping with 5095, 5266, 5267 |
|  | **Main** | [5095](./docs/C4-245095.zip) | CR 29.244 0889 Rel-19 MPQUIC-IP and MPQUIC-E support | Nokia |  | WI MASSSCAT B |
|  | **Main** | [5266](./docs/C4-245266.zip) | CR 29.244 0902 Rel-19 MPQUIC-UDP Steering Functionality | Huawei |  | WI MASSSCAT F |
|  | **Main** | [5267](./docs/C4-245267.zip) | CR 29.244 0903 Rel-19 Support of additional MPQUIC-IP functionality | Huawei |  | WI MASSSCAT B |
|  |  | 5094 | CR 29.510 1092 Rel-19 MPQUIC-IP and MPQUIC-E capabilities | Nokia | withdrawn | WI MASSSCAT B |
|  | **Plenary** | [5103](./docs/C4-245103.zip) | CR 29.571 0600 Rel-19 MPQUIC-IP and MPQUIC-E capabilities | Nokia |  | WI MASSSCAT Boverlapping with 5114 |
|  | **Plenary** | [5114](./docs/C4-245114.zip) | CR 29.571 0601 Rel-19 Update ATSSS capabilities | Huawei |  | WI MASSSCAT B |
|  | **Plenary** | [5287](./docs/C4-245287.zip) | Work Plan Rel-19 Work Plan for MASSS | Apple |  |  |
| **19.46** | **CT Aspects on Subscription control for reference time distribution in EPS [TEI19\_TIME\_SUB\_EPS]** |  |  |  |  |  |
|  | **Plenary** | [5045](./docs/C4-245045.zip) | CR 29.230 0713 Rel-19 New AVP for Time Reference Information Distribution Indication | Qualcomm Incorporated |  | WI TEI19\_TIME\_SUB\_EPSCAT B |
|  | **Plenary** | [5046](./docs/C4-245046.zip) | CR 23.008 0589 Rel-19 Addition of Time Reference Information Distribution Indication | Qualcomm Incorporated |  | WI TEI19\_TIME\_SUB\_EPSCAT Boverlapping with 5214 |
|  | **Plenary** | [5214](./docs/C4-245214.zip) | CR 23.008 0590 Rel-19 Support of Time Reference Information Distribution Indication | Huawei |  | WI TEI19\_TIME\_SUB\_EPSCAT B |
| **19.47** | **CT aspects of 5G NR Femto [5G\_Femto]** |  |  |  |  |  |
|  | **Plenary** | [5053](./docs/C4-245053.zip) | CR 29.571 0584 Rel-19 Common Data Type for 5G Femto Information | ZTE |  | WI 5G\_FemtoCAT B |
|  | **Plenary** | [5054](./docs/C4-245054.zip) | CR 29.503 1322 Rel-19 Provision of 5G Femto Information to UDM | ZTE, Samsung |  | WI 5G\_FemtoCAT B |
| **19.48** | **CT aspects of Extended Reality and Media service (XRM) Phase 2 [XRM\_Ph2]** |  |  |  |  |  |
|  | **Main** | [5096](./docs/C4-245096.zip) | CR 29.281 0136 Rel-19 PDU Set based handling for non-3GPP accesses | Nokia |  | WI XRM\_Ph2CAT B |
|  | **Main** | [5097](./docs/C4-245097.zip) | CR 29.244 0890 Rel-19 PDU Set based handling for non-3GPP accesses | Nokia |  | WI XRM\_Ph2CAT Boverlapping with 5264 |
|  | **Main** | [5264](./docs/C4-245264.zip) | CR 29.244 0900 Rel-19 PDU Set handling in non-3GPP accesses | Huawei |  | WI XRM\_Ph2CAT B |
|  | **Main** | [5098](./docs/C4-245098.zip) | CR 29.244 0891 Rel-19 L4S support for non-3GPP accesses | Nokia |  | WI XRM\_Ph2CAT B |
|  | **Main** | [5099](./docs/C4-245099.zip) | CR 29.244 0892 Rel-19 Identification and marking of Data Burst Size in DL GTP-U packets | Nokia |  | WI XRM\_Ph2CAT Boverlapping with 5263 |
|  | **Main** | [5263](./docs/C4-245263.zip) | CR 29.244 0899 Rel-19 Support of Data Burst Size Marking Indication on N4 | Huawei |  | WI XRM\_Ph2CAT B |
|  | **Main** | [5100](./docs/C4-245100.zip) | CR 29.244 0893 Rel-19 Support of differentiated QoS handling for multiplexed media flows | Nokia |  | WI XRM\_Ph2CAT B |
|  | **Main** | [5101](./docs/C4-245101.zip) | CR 29.244 0894 Rel-19 Transferring media related information over N6 using connect-UDP for e2e encrypted traffic | Nokia |  | WI XRM\_Ph2CAT B |
|  | **Plenary** | [5119](./docs/C4-245119.zip) | CR 29.510 1102 Rel-19 Support for the MoQ relay functionality for XR | Huawei |  | WI XRM\_Ph2CAT B |
|  | **Plenary** | [5259](./docs/C4-245259.zip) | CR 29.571 0608 Rel-19 Support of MoQ Transport protocol | Huawei |  | WI XRM\_Ph2CAT B |
|  | **Main** | [5260](./docs/C4-245260.zip) | CR 29.244 0897 Rel-19 Support of MoQ Transport protocol on N4 | Huawei |  | WI XRM\_Ph2CAT B |
|  | **Plenary** | [5261](./docs/C4-245261.zip) | CR 29.556 0046 Rel-19 MoQ Relay Address | Huawei |  | WI XRM\_Ph2CAT B |
|  | **Main** | [5262](./docs/C4-245262.zip) | CR 29.244 0898 Rel-19 Support of MoQ on N4 for encrypted XRM traffic | Huawei |  | WI XRM\_Ph2CAT B |
| **19.49** | **CT aspects for application enablement for satellite access Phase 3 [5GSAT\_Ph3\_App]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **19.50** | **CT aspects of Application enablement for XRM Services Phase 2 [XRM\_Ph2\_App]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **19.51** | **Rel-19 Enhancements of UE Policy [UEP19]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **19.52** | **Common API Framework (CAPIF) Phase 3 [CAPIF\_Ph3]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **19.53** | **CT aspects for enabling MSGin5G Service phase 3 [5GMARCH\_Ph3]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **20** | **Study Items** |  |  |  |  |  |
| **20.1** | **Study on Protocol for AI Data Collection from UPF [FS\_PAIDC-UPF]** |  |  |  |  |  |
|  | **Plenary** | [5102](./docs/C4-245102.zip) | pCR 29.889 Rel-19 PCR on Addressing the Editor's notes of Solutions #2 and #5 | Nokia |  |  |
|  |  | [5139](./docs/C4-245139.zip) | LS out Rel-19 LS on optimizations to the subscription of UPF events | Ericsson | Moved to 4.2 |  |
|  | **Plenary** | [5226](./docs/C4-245226.zip) | pCR 29.889 Rel-19 PCR\_on clarification for the group of users | China Mobile |  |  |
|  | **Plenary** | [5236](./docs/C4-245236.zip) | pCR 29.889 Rel-19 Clarifications to solution #2 and #5  | Ericsson |  |  |
|  |  |  | TR 29.889v0.3.0 | China Mobile |  |  |
| **20.2** | **Study on Reducing Information Exposure over SBI [FS\_RedInfExp\_SBI]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  | TR 29.857v1.4.0 | Samsung |  |  |
| **20.3** | **Study on IMS Disaster Prevention and Restoration Enhancement [FS\_IMS\_RES]** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  | TR 29.866v1.3.0 | China Telecom |  |  |
| **21** | **Any other business** |  |  |  |  |  |
|  |  | 5010 | Work Plan Work Plan | CT4 Chair |  |  |
|  |  | [5290](./docs/C4-245290.zip) | discussion Discussion on API Version Update Due to Cross Reference | CT4 Chair |  |  |
| **22** | **Future meetings** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **23** | **Close of Meeting** |  |  |  |  |  |