# 

# 3GPP TSG-CT WG4 Meeting #122C4-241006

**Changsha, P.R.China, 15th–19th April 2024**

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

**Title: Proposed allocation of documents to agenda items for CT4#122, status on eve of meeting**

**Agenda item: 2**

**Document for: INFORMATION**

**Saved 18/04/2024 10:31 UTC +8**

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 Title | Tdoc  C4-24# | Tdoc Title | Source | Result | Notes |
| --- | --- | --- | --- | --- | --- | --- |
| **1** | **Opening of the Meeting and Approval of the Agenda** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **2** | **Allocation of Documents to Agenda Items** |  |  |  |  |  |
|  |  | [1001](./docs/C4-241001.zip) | agenda Draft Agenda | CT4 Chair |  |  |
|  |  | [1002](./docs/C4-241002.zip) | other Meeting guidelines for CT4 Working Group meeting | CT4 Chair |  |  |
|  |  | [1003](./docs/C4-241003.zip) | agenda Detailed agenda & time plan for CT4 meeting: status at document deadline | CT4 Chair |  |  |
|  |  | [1004](./docs/C4-241004.zip) | agenda Detailed agenda & time plan for CT4 meeting: status on eve of meeting | CT4 Chair |  |  |
|  |  | [1005](./docs/C4-241005.zip) | agenda Proposed allocation of documents to agenda items for CT4 meeting: status at document deadline | CT4 Chair |  |  |
|  |  | [1006](./docs/C4-241006.zip) | agenda Proposed allocation of documents to agenda items for CT4 meeting: status on eve of meeting | CT4 Chair |  |  |
|  |  | 1007 | agenda The allocation of documents to agenda items for CT4 meeting: status at the end of meeting | CT4 Chair |  |  |
| **3** | **Meeting Reports** |  |  |  |  |  |
|  |  | [1008](./docs/C4-241008.zip) | report Previous TSG CT & SA Status Report | CT4 Chair | Noted |  |
|  |  | [1009](./docs/C4-241009.zip) | report Previous CT4 meeting report | MCC | Approved |  |
| **4** | **Input Liaison Statements** |  |  |  |  |  |
|  |  | [1015](./docs/C4-241015.zip) | LS in LS “N32-f lifetime and reconnection” to 3GPP CT4/SA3 | 5GMRR | Postponed | *5GMRR Doc 45\_07r1*  *To: CT4, SA3*  *CC:*  *\*\*\**  GSMA 5GMRR described the N32 connection setup for the TLS security method between two SEPPs of different operators, according to TS 33.501 and TS 29.573 Release 18 and related GSMA procedures, (Ref: 5GMRR Doc 45\_12 - LS Educational paper on N32 connection establishment for bilateral TLS). As the specifications do not provide clear guidance on N32-f lifetime, 5GMRR makes the following assumptions.  The N32-f lifetime is under control of the client initiating the N32-f connection. It is expected that N32-f are long-lived connections which are kept active even if there is no traffic to be sent.  Several methods are available to keep the connection alive. TCP keep-alive is the minimum recommended method to be supported. Other methods can optionally be supported.   * TCP keep-alive. * TLS Heartbeat * HTTP2 PING Frame   After a timeout of heartbeat message or actual traffic, the client (initiator) should re-establish N32-f and, in case of failure, re-establish the N32 context.    Note: This means that stability issues, resulting in N32 context re-establishment in the forward direction from I-SEPP to r-SEPP will impact N32-f connections in the reverse direction from r-SEPP to I-SEPP. Actions 3GPP is kindly asked to take the following actions:  CT4/SA3 to provide feedback on the assumptions that N32-f are long lived connections under control of the initiating client  CT4 to indicate the preferred method (if any) to keep N32-f connections alive.  CT4 to confirm or reject the actions to be taken if a connection fails after timeout.  *\*\*\**  *Postponed from CT4#121*  *“Mamdoh: requirement already exists in 29.500, will provide reply LS*  *Jesus: is 29.573 CR needed ?*  *Corresponding 29.573 CR is needed, it will be provided to the next meeting thus the LS is postponed to the next meeting”*  *Reply LS in 1133 (not available yet)* |
|  |  | [1016](./docs/C4-241016.zip) | LS in N32-f N32-c correlation | 5GMRR | Open | *5GMRR Doc 45\_08r1*  *To: CT4, SA3*  *CC:*  *Postponed from CT4#121*  *Related CR in 1127*  *Reply LS in 1134*  *Waiting for the discussion on the CR* |
|  |  | [1017](./docs/C4-241017.zip) | LS in LS on nested JSON structures and reply to LS S3-235067 | 5GMRR | Open | *5GMRR Doc 46\_08r1 - LS on nested JSON structures and reply to LS S3-235067*  *To: CT4 and SA3*  *CC:*  *Postponed from CT4#121*  *“The issue of recursion of data type will be further discussed in the next meeting, thus this LS is postponed to the next meeting”*  *Reply LS in 1136*  *Waiting for the discussion on the LS* |
|  |  | [1018](./docs/C4-241018.zip) | LS in Rel-18 Reply LS on improved KPIs involving end-to-end data volume transfer time analytics | SA WG5 | Open | *S5-241086*  *To: SA2, CT3, CT4, RAN2, RAN3*  *CC:*  *Contact: Intel, Verizon, China Mobile*  *Postponed from CT4#121*  *“SA2 has related CR on this topic in S2-2402925*  *Based on the incoming LS, 29.244, 29.571 CRs may be needed, they will be provided to the next meeting thus the LS is postponed to the next meeting”*  *Related CRs in 1061, 1062, 1222, 1084, 1276*  *More discussion during the CR discussion is needed* |
|  |  | [1019](./docs/C4-241019.zip) | LS in Rel-17 Reply LS on the service requirement of restricting satellite access RAT type | RAN WG3 | Noted | *R3-241204*  *To: SA2, CT4*  *CC: CT1, SA1, RAN2*  *Contact: Ericsson*  *\*\*\**  **1. Overall Description:**  RAN3 has discussed the topic of inter-system mobility between TN and NTN.  RAN3 has added codepoints for e-UTRA-LEO/MEO/GEO/OTHERSAT to NGAP and XnAP, and codepoints for NR-LEO/MEO/GEO/OTHERSAT to S1APand X2AP.  **2. Actions:**  **To SA2 and CT4 group.**  **ACTION:** RAN3 asks SA2 and CT4 to take the above into account and align their specifications if needed.  *\*\*\** |
|  |  | [1020](./docs/C4-241020.zip) | LS in Rel-18 LS on provisioning ATSSS rules to the UE in EPC | CT WG1 | Noted | *C1-241721*  *To: SA2*  *CC: CT4*  *Contact: ZTE*  *\*\*\**  **1. Overall Description:**  Regarding UE establishing a PDN connection as a user-plane resource of an MA PDU session, there are following facts:   1. In Rel-17, ATSSS\_Ph2 introduces support of MA PDU session establishment with 3GPP access connected to EPC and non-3GPP access connected to 5GC. It specifies that ATSSS rules **are not** provided via the EPC (see clause 4.22.2.3.1 in TS 23.502). 2. In Rel-18, ATSSS\_Ph3 introduces support of MA PDU session establishment with untrusted non-3GPP access connected to EPC and 3GPP access connected to 5GC. It specifies that ATSSS rules **may be** provided via the EPC (see clause 4.22.2.4.1 in TS 23.502).   Based on the above, CT1 would like to ask SA2 to provide an answer to following question:  Why can ATSSS rules be provided via untrusted non-3GPP access to EPC but not via 3GPP access?  **2. Actions:**  **To SA WG2 group.**  **ACTION:** CT1 kindly asks SA2 to provide feedback for the question above.  *\*\*\**  *Propose to note* |
|  |  | [1021](./docs/C4-241021.zip) | LS in Rel-18 LS on LCS user plane connection binding to the UE | CT WG1 | Noted | *C1-241722*  *To: SA WG2*  *CC: CT WG4*  *Contact: Qualcomm*  *\*\*\**  **1. Overall Description:**  As part of the work on 5G\_eLCS\_Ph3, CT1 has specified protocol solutions for location service over user plane as defined in new TS 24.572:  Step 1) UPP-CM procedure during which the LMF provides the user plane connection information to the UE.  Step 2) The UE performs user plane connection establishment with the LMF (i.e., TLS connection) based on the information received from Step 1.  Step 3) LCS-UPP procedure to transfer location service messages between the UE and the LMF.  CT1 has found following issues:   1. After the TLS connection is established, the UE and the LMF initiate LPP or LCS-SS procedure. For the LMF-initiated case, given that multiple UEs are served by the LMF and multiple TLS connections are active, the LMF needs to determine a TLS connection for the target UE. However, it has not been specified how to link the association between the TLS connection and the UE, e.g., how the LMF knows which TLS connection is for the UE who has received the UPP-CM command message. If the TLS connection can be linked to the ‘wrong UE’ then there could be a risk of location related data from one UE which is sent to another UE. 2. Once the binding of the TLS connection to the UE is done, if there is a new LCS service request (e.g., MT-LR) for the same UE, the AMF invokes Nlmf\_location\_determinelocation service operation to the LMF. However, it has not been specified how the LMF associates the LCS service request to the TLS connection of the UE. In this case, the LMF cannot determine which TLS connection can be used for the LCS service request. Therefore, the LMF cannot reuse the TLS connection of this UE for subsequent LCS service request(s).   *\*\*\** |
|  |  | [1022](./docs/C4-241022.zip) | LS in Rel-18 LS on Rel-18 RedCap enhancements work | CT WG1 | Noted | *C1-241809*  *To: SA2*  *CC: CT4, RAN2, RAN3*  *Contact: Huawei*  *\*\*\**  CT1 would like to inform that work on NR\_redcap\_enh-Core impacts CT1 specifications. CT1 has informally become aware of communication between SA2 and other working groups about Rel-18 RedCap enhancements work (LS exchange on "Rel-18 RedCap enhancements to address remaining ENs in TS 23.502"). As impacts on NR\_redcap\_enh-Core can result in impacts to CT1 specifications, CT1 would like to be in the loop of communications related to that work.  *\*\*\**  *Propose to note* |
|  |  | [1023](./docs/C4-241023.zip) | LS in Rel-18 Reply LS on RedCap UE MBS Broadcast reception | RAN WG2 | Noted | *R2-2401662*  *To: SA2*  *CC: RAN3, CT3, CT4*  *Contact: Nokia*  *\*\*\**  RAN2 thanks SA2 for the reply-LS on RedCap UE MBS Broadcast reception and for the CR to TS 23.247. Regarding the new questions from SA2 about the usage of MBS Frequency Selection Area (FSA) ID for RedCap UEs and non-RedCap UEs, RAN2 discussed the questions directed to RAN2 and have reached the following conclusion:  From access stratum (AS) signalling point of view, it is feasible to configure the same MBS FSA ID for the RedCap UEs and non-RedCap UEs in the same MBS session. However, it is an upper layer decision what FSA IDs to configure to different UEs. Currently, if multiple FSA IDs provide the same MBS session, then it is up to UE implementation to select the frequency according to RAN2 specification.  *\*\*\**  *Propose to note* |
|  |  | [1024](./docs/C4-241024.zip) | LS in Rel-18 Response LS on NG-RAN receiving a GTP-U Error Indication | RAN WG3 | Noted | *R3-241122*  *To: CT4*  *CC:*  *Contact: Nokia*  *\*\*\**  **1. Overall Description:**  RAN3 thanks CT4 for informing about the new CT4 requirement in clause 5.3.3.1 of 3GPP TS 23.527 for the case when the 5G-AN receives a GTP-U Error Indication.  RAN3 decided to introduce a new IE in the *PDU Session Resource Notify Released Transfer* IE to indicate to SMF that GTP-U Error Indication was received from UPF. RAN3 agreed the attached NGAP CR.  **2. Actions:**  **To CT4 group:**  **ACTION:** RAN3 kindly ask CT4 to take RAN3 answer into account.  *\*\*\** |
|  |  | [1025](./docs/C4-241025.zip) | LS in Rel-18 LS on restoration of N3mb Failure for MBS broadcast | RAN WG3 | Noted | *R3-241144*  *To: CT4*  *CC: SA2*  *Contact: Nokia*  *\*\*\**  **1. Overall Description:**  RAN3 has discussed how to handle N3mb failure in MBS scenario. The scenario was discussed both in the context of MBS MOCN RAN sharing for broadcast using unicast transport, and in the context of broadcast/multicast without MBS MOCN RAN sharing.  RAN3 understands that MBS NG-U tunnels are operated for MBS broadcast in downlink only. Therefore, the gNB is not able to detect NG-U path failure using Echo Request. Accordingly, the gNB might not be able to request MBS broadcast transport from another CN due to user plane failure.  RAN3 assumes that detection of NG-U path failure for MBS and associated recovery could rely on MB-UPF detection. However, this handling seems currently not specified in TS 23.527.  **2. Actions:**  **To CT4 group:**  **ACTION:** RAN3 kindly ask CT4 to give guidance how N3mb failure can be detected and recovered and update related specification, if needed.  *\*\*\**  *Related CR in 1107, 1244*  *Reply LS in 1108, 1245*  *Frank: why the case of using multicast transport is not discussed? In the reply LS we can ask the question* |
|  |  | [1026](./docs/C4-241026.zip) | LS in Rel-18 LS Reply on Clarification related to the information exposed by the 5GC to NSCE server. | SA WG2 | Noted | *S2-2403703*  *To: CT3*  *CC: SA6, CT1, CT4, SA3*  *Contact: Huawei*  *\*\*\**  SA2 thanks CT3 for the LS on Clarification related to the information exposed by the 5GC to NSCE server. Please find SA2 answer as below.  ***Question 1****: Which of the network internal information provided in the Network Slice load information/analytics prediction can be exposed to an external AF or the NSCE Server? (For example, Area of Interest in terms of internal identities (e.g. TAI, Cell ID) sent to the NSCE server)*  **SA2 Answer:**  TS 23.288, Clause 6.1.1.2 contains procedures for Analytics subscription by AFs via NEF, and Clause 6.1.2.2 contains procedures for Analytics request by AFs via NEF. According to those procedures, if the request from AF does not comply with the restrictions in the analytics exposure mapping, NEF may apply restrictions to the request to NWDAF (e.g. restrictions to parameters or parameter values) based on operator configuration and/or may apply parameter mapping (e.g. geo coordinate mapping to TA(s), Cell-id(s)). The NEF may also apply restrictions to the responses or notifications towards AFs (e.g. restrictions to parameters or parameter values) based on operator configuration.  The output of Network Slice load statistics/prediction as described in Table 6.3.3A-2 and Table 6.3.3A-4 of TS 23.288 can be exposed, although it was not exposed to the AF, and the attached CR fixed it. Note that Network Slice Instance load statistics/prediction as described in Table 6.3.3A-1 and Table 6.3.3A-3 of TS 23.288 should not be exposed as Network Slice instance is within 5GC and it is assumed external AF or NEF is not aware of Network Slice Instance. Besides, as described in TS 33.501 clause 5.9.2.3, NEF and the AF shall fulfil the security requirements that include that “Internal 5G Core information such as DNN, S-NSSAI etc., shall not be sent outside the 3GPP operator domain.” But there is no agreement in SA2 whether a possible associated NSI ID in Load Level Analytics/predictions can be exposed or not to a trusted AF or an NEF.  Please also note Area of Interest is not part of output but it should be included in the subscription to the Analytic “Load level information” as Analytics Filter Information. Besides, SA2 has updated TS 23.288 to add AF (NSCE server) in the consumer NF as attached and clarify Area of Interest can be list of TAs or Cells. If an AF provides geographical area, the NEF can map it in to list of TAs or Cells based on operator policy in the related procedures as mentioned above.  Please see the details in the attachment for the above information.  *\*\*\**  *Propose to note* |
|  |  | [1027](./docs/C4-241027.zip) | LS in Rel-17 Reply LS on Authorization of NF service consumer for data collection via DCCF | SA WG3 | Noted | *S3-240830*  *To: 3GPP CT3*  *CC: 3GPP CT4, SA2*  *Contact: Huawei*  *\*\*\**  SA3 thanks CT3 the LS on Authorization of NF service consumer for data collection via DCCF.  There is a note in TS 33.501 clause Annex.X.2 as following:  “NOTE 6: In the case a new NF Service Consumer comes at a later stage to request the data, which is already being collected by DCCF, steps 1-10 apply. When the request is received by the NF Service Producer (i.e. the data producer), it authenticates the NF Service Consumer and verifies the access token provided along with the service request and sends to DCCF the access token verification response. DCCF based upon the response received, either updates the subscription info to include the new NF Service Consumer as well and sends the data to both the consumers (as specified in Clause 6.2.6.3.2 in TS 23.288 [105]), or in the case of access token verification failure, the DCCF rejects the request received by the NF Service Consumer.”  Therefore, the DCCF shall update the subscription information to include the new NF Service Consumer(s)/source Data Consumer(s) after the authorization is successful performed by the NF Service Producer/Data Source. In other words, the Data Source can get and/or authorize the CCA of the new Data Consumer(s) to retrieve the same data in step10 of Annex X.2 of TS 33.501.  *\*\*\**  *Propose to note* |
|  |  | [1028](./docs/C4-241028.zip) | LS in Rel-17 LS on UUAA Status Information availability for SMF | SA WG3 | Noted | *S3-240835*  *To: CT4*  *CC: SA2, CT1*  *Contact: Lenovo*  *\*\*\**  Thanks for the clarification question asked in LS C4-230790 related to the need of uavAuthenticated information element.  CT4 Question: CT4 kindly asks SA3 to clarify why the functionality of uavAuthenticated information element is needed.  SA3 Answer: According to SA3 UUAA is to authenticate the UAV for security reasons, and we do not see any security benefits in repeating. But in the latest SA2 TS 23.256 V18.2.0, texts were removed related to AMF and SMF relations on UUAA execution [See SP-231244]. In its current form UUAA is triggered during registration and PDU session establishment independently.  To align with latest SA2 TS 23.256 V18.2.0, SA3 agreed the Rel.17 and Rel.18 CRs which are attached here for your information.  *\*\*\**  *This an reply LS to the CT4 LS sent one year ago, related CRs were postponed according to C4-230790*  *Jones: the changes were applied for R18 but not for R17*  *Bruno: this is not seen as FASMO* |
|  |  | [1029](./docs/C4-241029.zip) | LS in Rel-18 Reply LS on Roaming Hub requirements as applicable to the Modified PRINS solution | SA WG3 | Noted | *S3-240887*  *To: SA*  *CC: SA1, SA5, CT, CT4*  *Contact: Huawei*  *\*\*\**  SA3 received several LSes from GSMA 5GMRR related to the recent work on the modified PRINS solution. SA3 assumes that SA will coordinate a consolidated reply to GSMA. Therefore, SA3 would like to provide the following feedback on the requests included in S3-240208 on Roaming Hubs:  Answer to Q 1:  Regarding the definition of Roaming Hub, SA3 has agreed a CR S3-240891 for TS 33.501 on the definition of Roaming Hub according to the LS S3-240208 received from GSMA.  Answer to Q 2.a:  Regarding the requirement of roaming data session intervention, i.e., limiting roaming data usage, SA3 believes that these requirements need to be evaluated by SA1 and the corresponding impacts on the architecture by SA2 first.  Answer to Q 2.b:  Regarding the requirement related to the RH ability to prevent the establishment of, and to terminate the N32-c and N32-f connections, SA3 believes that the RH can request SEPP to terminate the N32-c and N32-f connections if necessary as described in clause 5.5, TS 29.573, based on the error message received from the RH. If this is not sufficient, then SA3 believes that these requirements may have impacts on the architecture, and need to be evaluated by SA1 and SA2 at first.  *\*\*\**  *Propose to note* |
|  |  | [1030](./docs/C4-241030.zip) | LS in Rel-18 Reply LS on IPX Service Hub requirements as applicable to the Modified PRINS solution | SA WG3 | Noted | *S3-240888*  *To: SA*  *CC: SA1, SA2, CT, CT4*  *Contact: Huawei*  *\*\*\**  SA3 received several LSes from GSMA 5GMRR related to the recent work on the modified PRINS solution. SA3 assumes that SA will coordinate a single reply to GSMA. Therefore, SA3 would like to provide the following feedback on the requests included in S3-240209 on IPX Service Hubs and IPX Providers:  Answer to Q 1:  Regarding the definition of IPX Service Hub and IPX Provider, SA3 finds that the definition of IPX Service Hub is unclear, and would like GSMA to clarify the definition of IPX Service Hub.  Answer to Q 2.a:  Regarding the requirement of roaming data session intervention, i.e., limiting roaming data usage, SA3 believes that these requirements need to be evaluated by SA1 and the corresponding impacts on the architecture by SA2 first..  Answer to Q 2.b:  Regarding the requirement of IPX Service Hub to aggregate N32 signalling traffic and use common identities, SA3 would like GSMA to clarify what does the aggregation mean. SA3 is also willing to receive feedback from SA2 and possibly SA1 on this requirement.  *\*\*\**  *Propose to note* |
|  |  | [1031](./docs/C4-241031.zip) | LS in LS on Registering JWT Claims at IANA | SA WG3 | Open | *S3-240940*  *To: CT*  *CC: 3GPP CT3, 3GPP CT4*  *Contact: Ericsson*  *\*\*\**  The 3GPP authorization framework uses the OAuth 2.0 framework as specified in RFC 6749. Access tokens shall be JSON Web Tokens (JWT) as described in RFC 7519. To support more granular authorization for 5G features, 3GPP introduces extra JWT claims per 5G use cases, which are defined in separate technical specifications. For example:   * TS 29.510 [2] specifies access token claims for 5G SBA use case. * TS 33.434 [3] specifies access token claims for SEAL use case. * TS 29.222 [4] specifies access token claims for CAPIF use case. * TS 33.180 [5] specifies access token claims for 5G Mission Critical service.   Since there is no coordination within 3GPP regarding defining JWT claims, it may happen that a conflict in JWT claim names is defined by different sub-WGs. SA3 understands that the CT will take measures to avoid the potential conflict during their stage 3 work. JWT claims can be registered by anyone in the industry at IANA. To prevent from potential conflict of JWT claim names in the industry, IANA registration may be considered.  SA3 asks 3GPP CT to take decision whether IANA registration is necessary. If the answer is “yes”, SA3 suggest CT to take lead in coordinating the JWT claims registration process with IANA and inform SA3 with the outcome.  *\*\*\**  *The LS was discussed in CT#103, CT requested CT WGs to discuss this topic first to provide their views on whether there is a need to register JWT claims. If registration is needed, the existing procedure can be relied on.*  *Related discussion paper in 1257*  *Waiting for discussion on the DP* |
|  |  | [1502](./docs/C4-241502.zip) | LS out Reply LS on Registering JWT Claims at IANA | Huawei |  | *To: CT*  *CC: CT1, CT3* |
|  |  | [1032](./docs/C4-241032.zip) | LS in Rel-18 LS on removing Ranging/SL Positioning service exposure to Client UE through 5GC | TSG SA | Noted | *SP-240497*  *To: SA2, SA3, CT1, CT4*  *CC:*  *Contact: Xiaomi*  *\*\*\**  SA plenary has agreed to remove the feature of “Ranging/SL Positioning service exposure to Client UE through 5GC” for Rel-18 in both TS 23.586 and TS 33.533, and all the related solution developments will not be considered for Rel-18.  Additionally, SA plenary also agreed to define UE Ranging/SL Positioning privacy profile in TS 33.533.  For details, please check the attached 3 CRs.  *\*\*\**  *Related CRs in 1300, 1301, 1302,1303, 1304* |
|  |  | [1033](./docs/C4-241033.zip) | LS in Rel-18 LS on the Modified PRINS solution | TSG SA | Noted | *SP-240503*  *To: GSMA 5GMRR, CT4*  *CC: SA3, SA1, SA2, CT*  *Contact: Vodafone*  *\*\*\**  3GPP TSG SA has agreed that the solution for Modified PRINS functionality, as specified by SA3 group in TS 33.501 for Release 18, can be applicable to Release 16 and 17 deployments, as per the attached CR.  *\*\*\**  *Related CR in 1132*  *Reply LS in 1135* |
|  |  | [1309](./docs/C4-241309.zip) | LS in LS on IVAS in MTSI, including RTP and SDP parameters | SA4 |  | *S4-240845*  *To: 3GPP CT1, 3GPP CT3, 3GPP CT4*  *CC:*  *Contact: fraunhofer* |
| **5** | **WIDs** |  |  |  |  | *.* |
| **5.1** | **CT4 Led WIs** |  |  |  |  | *.* |
|  |  | [1036](./docs/C4-241036.zip) | WID new Rel-19 New WID on Service Based Interface Protocol Improvements Release 19 | China Mobile | Revised to C4-241310 |  |
|  |  | [1310](./docs/C4-241310.zip) | WID new Rel-19 New WID on Service Based Interface Protocol Improvements Release 19 | China Mobile |  |  |
|  |  | [1230](./docs/C4-241230.zip) | discussion Rel-19 Subscriber Data Migration | Ericsson | Noted | *Zhenning: should policy data also be considered?*  *JInghao: the scenario needs further justification*  *Ulrich: the scenario only exists when the UE is moved b/w different UDM groups, where the NRF should be updated*  *Liang Shuang: we need to differentiate scenarios of migration and restoration. If it is only about migration, current mechanism is enough* |
|  |  | [1264](./docs/C4-241264.zip) | WID revised Rel-18 WID revision on EDGE\_Ph2 | Huawei | Revised to C4-241498 | [1269](file:///C:\工作\2024年\标准化\3GPP\CT4%23122\meeting%20documents\docs\C4-241269.zip) has related discussion  1299 has reltaed discussion  Ulrich: the stage2 to is still under discusssion  Waiting for discussion on 1269, 1299 |
|  |  | [1498](./docs/C4-241498.zip) | WID revised Rel-18 WID revision on EDGE\_Ph2 | Huawei |  |  |
|  |  | [1295](./docs/C4-241295.zip) | SID new Rel-19 New SID on AI Data Collection And Protocol | China Mobile | Revised to C4-241311 | *Bruno: the stage 2 design is based on SBI; there is a R19 study in SA2 in UPEAS phase2, there is overlapping with current proposal. We should avoid define new protocol in the fifth release of 5G. More justification is needed.*  *Zhenning: in the practice of AIML data collection based on SBI, the existing solution does not work well. Which one is more important, efficiency or protocol consistency?*  *Bruno: statistics on “the current solution does not work well” will help the discussion*  *Frank: want to see the scenarios* |
|  |  | [1311](./docs/C4-241311.zip) | SID new Rel-19 New SID on AI Data Collection And Protocol | China Mobile |  |  |
| **5.2** | **CT4 Supported WIs** |  |  |  |  | *.* |
|  |  |  |  |  |  |  |
| **6** | **Release 18** |  |  |  |  |  |
| **6.1** | **CT4 Led WIs** |  |  |  |  |  |
| **6.1.1** | **Service based Interface protocol improvements** |  |  |  |  | SBIProtoc18 |
|  | **Main** | [1037](./docs/C4-241037.zip) | CR 29.518 1043 Rel-18 Attribute Name Correction | ZTE | Agreed | WI SBIProtoc18  CAT F |
|  | **Plenary** | [1038](./docs/C4-241038.zip) | CR 29.510 0982 Rel-18 Correct the reference to mbsServiceArea | ZTE | Agreed | WI SBIProtoc18  CAT F |
|  | **Plenary** | [1039](./docs/C4-241039.zip) | CR 29.510 0983 Rel-18 False Value of I/V-SMF Support Indication | ZTE | Revised to C4-241312 | WI SBIProtoc18  CAT F |
|  |  | [1312](./docs/C4-241312.zip) | CR 29.510 0983 Rel-18 False Value of I/V-SMF Support Indication | ZTE | Agreed | The only change is to replace “supporting“ with “support“  WOP |
|  | **Main** | [1049](./docs/C4-241049.zip) | discussion Rel-18 Discussion on slice mapping and availability notification by NSSF | ZTE | Noted | Mamdoh: the scenario where multiple v-NSSAI mapped to one h-NSSAI needs to be justified and the consequence of doing so needs to be studied  Shuang: it has been defined like that for a while  Caixia: based on CT1 definition, AMF should make sure there is no collision  Jones: the mapping should not be impacted in this scenario |
|  |  | [1348](./docs/C4-241348.zip) | LS out LS on Slice mapping issue in the case of slice replacement | ZTE |  | To: CT1, SA2  CC: |
|  | **Main** | [1050](./docs/C4-241050.zip) | CR 29.531 0198 Rel-18 Clarify vNSSF behaviour on S-NSSAI mapping in roaming case | ZTE | Postponed | WI SBIProtoc18  CAT F  Waiting for reply LS to 1348 from CT1 |
|  | **Plenary** | [1064](./docs/C4-241064.zip) | CR 29.518 1052 Rel-18 Callbacks | Nokia | Revised to C4-241313 | WI SBIProtoc18  CAT F |
|  |  | [1313](./docs/C4-241313.zip) | CR 29.518 1052 Rel-18 Callbacks | Nokia | Agreed | The only change is to update the coversheet  WOP |
|  | **Plenary** | [1065](./docs/C4-241065.zip) | CR 29.526 0083 Rel-18 Callbacks | Nokia | Revised to C4-241314 | WI SBIProtoc18  CAT F |
|  |  | [1314](./docs/C4-241314.zip) | CR 29.526 0083 Rel-18 Callbacks | Nokia | Agreed | WOP |
|  | **Plenary** | [1066](./docs/C4-241066.zip) | CR 29.531 0199 Rel-18 Callbacks | Nokia | Revised to C4-241315 | WI SBIProtoc18  CAT F |
|  |  | [1315](./docs/C4-241315.zip) | CR 29.531 0199 Rel-18 Callbacks | Nokia | Agreed | WOP |
|  | **Plenary** | [1067](./docs/C4-241067.zip) | CR 29.536 0122 Rel-18 Callbacks | Nokia | Revised to C4-241316 | WI SBIProtoc18  CAT F |
|  |  | [1316](./docs/C4-241316.zip) | CR 29.536 0122 Rel-18 Callbacks | Nokia | Agreed | WOP |
|  | **Plenary** | [1068](./docs/C4-241068.zip) | CR 29.555 0020 Rel-18 Callbacks | Nokia | Revised to C4-241317 | WI SBIProtoc18  CAT F |
|  |  | [1317](./docs/C4-241317.zip) | CR 29.555 0020 Rel-18 Callbacks | Nokia | Agreed | WOP |
|  | **Plenary** | [1069](./docs/C4-241069.zip) | CR 29.562 0151 Rel-18 Callbacks | Nokia | Revised to C4-241318 | WI SBIProtoc18  CAT F |
|  |  | [1318](./docs/C4-241318.zip) | CR 29.562 0151 Rel-18 Callbacks | Nokia | Agreed | WOP |
|  | **Plenary** | [1070](./docs/C4-241070.zip) | CR 29.598 0074 Rel-18 Callbacks | Nokia | Revised to C4-241319 | WI SBIProtoc18  CAT F |
|  |  | [1319](./docs/C4-241319.zip) | CR 29.598 0074 Rel-18 Callbacks | Nokia | Agreed | WOP |
|  | **Plenary** | [1071](./docs/C4-241071.zip) | CR 29.563 0087 Rel-18 Callbacks | Nokia | Revised to C4-241320 | WI SBIProtoc18  CAT F |
|  |  | [1320](./docs/C4-241320.zip) | CR 29.563 0087 Rel-18 Callbacks | Nokia | Agreed | WOP |
|  | **Plenary** | [1072](./docs/C4-241072.zip) | CR 29.256 0022 Rel-18 Callbacks | Nokia | Revised to C4-241321 | WI SBIProtoc18  CAT F |
|  |  | [1321](./docs/C4-241321.zip) | CR 29.256 0022 Rel-18 Callbacks | Nokia | Agreed | WOP |
|  | **Plenary** | [1073](./docs/C4-241073.zip) | CR 29.503 1237 Rel-18 Callbacks | Nokia | Revised to C4-241322 | WI SBIProtoc18  CAT F |
|  |  | [1322](./docs/C4-241322.zip) | CR 29.503 1237 Rel-18 Callbacks | Nokia | Agreed | WOP |
|  | **Plenary** | [1077](./docs/C4-241077.zip) | CR 23.003 0697 Rel-18 SUCI format | Nokia | Revised to C4-241323 | WI TEI18  CAT F  Roya: the work item should be TEI18  Jesus: profile A and profile B is fully specified. The “other parameters“ is just for further profiles.To remove the last change |
|  |  | [1323](./docs/C4-241323.zip) | CR 23.003 0697 Rel-18 SUCI format | Nokia | Agreed | The only changes are: to correct the WIC on the coversheet; to revert the last change  WOP |
|  | **Plenary** | [1078](./docs/C4-241078.zip) | CR 29.500 0426 Rel-18 Header case | Nokia | Open | WI SBIProtoc18  CAT F  To check with existing implementations |
|  | **Plenary** | [1079](./docs/C4-241079.zip) | CR 29.501 0154 Rel-18 Query Parameter clarification | Nokia | Revised to C4-241324 | WI SBIProtoc18  CAT F  Jesus: URI with question mark but w/o parameters is valid according to ABNF of URI |
|  |  | [1324](./docs/C4-241324.zip) | CR 29.501 0154 Rel-18 Query Parameter clarification | Nokia |  |  |
|  | **Breakout** | [1080](./docs/C4-241080.zip) | CR 29.503 1238 Rel-18 Presence condition for PGW FQDN and IP address in SMF registration | Nokia | Revised to C4-241405 | WI SBIProtoc18  CAT F  Questions whether the existing sentence is already clarified. |
|  |  | [1405](./docs/C4-241405.zip) | CR 29.503 1238 Rel-18 Presence condition for PGW FQDN and IP address in SMF registration | Nokia | Revised to C4-241465 |  |
|  |  | [1465](docs/C4-241465.zip) | CR 29.503 1238 Rel-18 Presence condition for PGW FQDN and IP address in SMF registration | Nokia |  |  |
|  |  | [1084](./docs/C4-241084.zip) | CR 29.571 0539 Rel-18 Extend Trace for UE level measurements collection | Nokia | Moved to 6.3.1 | WI SBIProtoc18  CAT F |
|  | **Breakout** | [1087](./docs/C4-241087.zip) | CR 29.503 1240 Rel-18 Subscribe failure clarification | Nokia | Revised to C4-241406 | WI SBIProtoc18  CAT F  This might be issue due to network, and should not impact UE.  As such, it is not sufficient, due to bad user experience.  AMF can attempt to get new subscription data from UDM, instead of rejecting, so the proposed means may not be sufficient. |
|  |  | [1406](./docs/C4-241406.zip) | CR 29.503 1240 Rel-18 Subscribe failure clarification | Nokia | Revised to C4-241466 |  |
|  |  | [1466](docs/C4-241466.zip) | CR 29.503 1240 Rel-18 Subscribe failure clarification | Nokia | Revised to C4-241476 |  |
|  |  | [1476](docs/C4-241476.zip) | CR 29.503 1240 Rel-18 Subscribe failure clarification | Nokia | Agreed |  |
|  | **Main** | [1106](./docs/C4-241106.zip) | CR 29.502 0765 Rel-18 Features supported by the Anchor SMF | Nokia | Agreed | WI SBIProtoc18  CAT F |
|  | **Plenary** | [1155](./docs/C4-241155.zip) | CR 29.500 0427 Rel-18 Expected Message Priority for Resource or Context | Ericsson | Postponed | WI SBIProtoc18  CAT F  Bruno: stage2 should be first clarified. There is no definition of “priority of resource“, the priorities of messages under context of the same resource may differ. The priority has nothing to do with binding mechanism  To send LS to SA2 and wait for their feedback |
|  |  | [1325](./docs/C4-241325.zip) | LS out LS on MPS session handling for non-MPS subscriber | Ericsson |  | To: SA2  CC: |
|  | **Plenary** | [1156](./docs/C4-241156.zip) | CR 29.500 0428 Rel-18 Indication of Intermediate NF | Ericsson | Postponed | WI SBIProtoc18  CAT F  Bruno: we should be careful whether this mechanism applies to parameter other than callback URI. Would it be better to just provide the instance ID of the NF?  Jones: need only to distinguish NF and intermediary |
|  | **Plenary** | [1157](./docs/C4-241157.zip) | CR 29.510 0990 Rel-18 Missed UDSF for NF Group Id Query | Ericsson | Agreed | WI SBIProtoc18  CAT F |
|  | **Main** | [1158](./docs/C4-241158.zip) | CR 29.518 1060 Rel-18 Non-3GPP Not Taken Over Indication | Ericsson | Revised to C4-241349 | WI SBIProtoc18  CAT F  Roya: description in 5.2 needed  Zhijun: the UE can locally detect that the non-3GPP context is not transferred. |
|  |  | [1349](./docs/C4-241349.zip) | CR 29.518 1060 Rel-18 Non-3GPP Not Taken Over Indication | Ericsson |  |  |
|  | **Main** | [1159](./docs/C4-241159.zip) | CR 29.518 1061 Rel-18 To be Released PDU Session for Other Reasons during Handover | Ericsson | Revised to C4-241350 | WI SBIProtoc18  CAT F |
|  |  | [1350](./docs/C4-241350.zip) | CR 29.518 1061 Rel-18 To be Released PDU Session for Other Reasons during Handover | Ericsson |  |  |
|  | **Main** | [1224](./docs/C4-241224.zip) | CR 29.573 0187 Rel-18 ABNF corrections | Ericsson | Agreed | WI SBIProtoc18  CAT F |
|  | **Breakout** | [1227](./docs/C4-241227.zip) | CR 29.505 0503 Rel-18 Incorrect definition of "any type" in OpenAPI | Ericsson | Revised to C4-241411 | WI SBIProtoc18  CAT F  Update the table according to TS 29.501, on **A**ny **T**ype , and remove the brackets |
|  |  | [1411](./docs/C4-241411.zip) | CR 29.505 0503 Rel-18 Incorrect definition of "any type" in OpenAPI | Ericsson | Agreed | WOP |
|  | **Plenary** | [1229](./docs/C4-241229.zip) | CR 29.500 0429 Rel-18 SBI Message Priority in a Response message | Ericsson | Revised to C4-241326 | WI SBIProtoc18  CAT F  Bruno: throttling of response should be the last resort and should be avoid AMAP. It will cause repeating of messages. |
|  |  | [1326](./docs/C4-241326.zip) | CR 29.500 0429 Rel-18 SBI Message Priority in a Response message | Ericsson |  |  |
|  | **Plenary** | [1235](./docs/C4-241235.zip) | CR 29.571 0548 Rel-18 Definition of MbsSession | Ericsson | Agreed | WI SBIProtoc18  CAT F |
|  | **Plenary** | [1239](./docs/C4-241239.zip) | CR 29.510 0993 Rel-18 Definition of SelectionConditions | Ericsson | Revised to C4-241327 | WI SBIProtoc18  CAT F |
|  |  | [1327](./docs/C4-241327.zip) | CR 29.510 0993 Rel-18 Definition of SelectionConditions | Ericsson |  |  |
|  | **Plenary** | [1241](./docs/C4-241241.zip) | CR 29.510 0994 Rel-18 Addition of "servers" section in OpenAPI | Ericsson | Agreed | WI SBIProtoc18  CAT F |
|  | **Plenary** | [1265](./docs/C4-241265.zip) | discussion Discussion on unknown event | Huawei | Open | Jones: it should be per API discussion on whether to introduce this mechanism  Jesus：to think more during this week on whether we shoudl define it in 29.501 |
|  | **Plenary** | [1266](./docs/C4-241266.zip) | CR 29.500 0430 Rel-18 Support of UNSUPPORTED\_MONITORING\_EVENT\_TYPE error | Huawei | Not Pursued | WI SBIProtoc18  CAT B  See 1265 |
|  | **Plenary** | [1267](./docs/C4-241267.zip) | CR 29.564 0091 Rel-18 Returning failed event and the related error reason | Huawei | Revised to C4-241499 | WI SBIProtoc18  CAT B  See 1265 |
|  |  | [1499](./docs/C4-241499.zip) | CR 29.564 0091 Rel-18 Returning failed event and the related error reason | Huawei |  |  |
|  | **Plenary** | [1268](./docs/C4-241268.zip) | CR 29.571 0551 Rel-18 Removal of unused Job Types | Huawei | Revised to C4-241334 | WI SBIProtoc18  CAT F  Rong: 34.322 already uses these job types  Ulrich: the values are defined in previous release, it does no harm to leave them there; 1276, 1061 which modify the job types may clash with this CR  Rong: 1061 has no overlapping with this CR |
|  |  | [1334](./docs/C4-241334.zip) | CR 29.571 0551 Rel-18 Removal of unused Job Types | Huawei |  | To revert the change on “TRACE ONLY“ |
|  | **Breakout** | [1296](./docs/C4-241296.zip) | CR 29.503 1255 Rel-18 Missing Description fields in Nudm\_UECM API definition | Ericsson | Revised to C4-241412 | WI SBIProtoc18  CAT F  Need to correct the typo |
|  |  | [1412](./docs/C4-241412.zip) | CR 29.503 1255 Rel-18 Missing Description fields in Nudm\_UECM API definition | Ericsson | Agreed | WOP |
|  | **Plenary** | [1297](./docs/C4-241297.zip) | CR 29.526 0086 Rel-18 Missing Description fields in Network slice specific authentication and authorization (Nnssaaf\_NSSAA API) | Ericsson | Revised to C4-241328 | WI SBIProtoc18  CAT F |
|  |  | [1328](./docs/C4-241328.zip) | CR 29.526 0086 Rel-18 Missing Description fields in Network slice specific authentication and authorization (Nnssaaf\_NSSAA API) | Ericsson | Agreed | The only change is to correct typos  WOP |
|  | **Plenary** | [1298](./docs/C4-241298.zip) | CR 29.501 0155 Rel-18 HTTP Multipart message support in PATCH Request | Microsoft EUROPE SARL | Revised to C4-241329 | WI SBIProtoc18  CAT F |
|  |  | [1329](./docs/C4-241329.zip) | CR 29.501 0155 Rel-18 HTTP Multipart message support in PATCH Request | Microsoft EUROPE SARL |  |  |
|  | **Breakout** | [1306](./docs/C4-241306.zip) | CR 29.509 0217 Rel-18 Clarification on deviation of naming-convention for enum values in Nausf specific Data Type | Ericsson | Revised to C4-241413 | WI SBIProtoc18  CAT F |
|  |  | [1413](./docs/C4-241413.zip) | CR 29.509 0217 Rel-18 Clarification on deviation of naming-convention for enum values in Nausf specific Data Type | Ericsson | Agreed | WOP |
|  | **Plenary** | [1307](./docs/C4-241307.zip) | CR 29.510 0996 Rel-18 Clarify NRF behavior upon receiving invalid client information in discovery request | Samsung | Revised to C4-241330 | WI SBIProtoc18  CAT B  Jesus: do not use “NF-Profile“; need clarification on public key certificate |
|  |  | [1330](./docs/C4-241330.zip) | CR 29.510 0996 Rel-18 Clarify NRF behavior upon receiving invalid client information in discovery request | Samsung |  |  |
| **6.1.2** | **Study on IETF QUIC Transport for 5GC Service Based Interfaces** |  |  |  |  | FS\_QUIC |
|  |  |  |  |  |  |  |
| **6.1.3** | **Study on NRF API enhancements to avoid signalling and storing of redundant data** |  |  |  |  | FS\_NRFe |
|  |  |  |  |  |  |  |
| **6.1.4** | **5GS support of NR RedCap UE with long eDRX for RRC\_INACTIVE State** |  |  |  |  | NR\_REDCAP\_Ph2 |
|  | Plenary | [1055](./docs/C4-241055.zip) | CR 23.008 0588 Rel-18 NR eRedCAP Not Allowed as Primary RAT | ZTE | Revised to C4-241331 | WI NR\_REDCAP\_Ph2  CAT F |
|  |  | [1331](./docs/C4-241331.zip) | CR 23.008 0588 Rel-18 NR eRedCAP Not Allowed as Primary RAT | ZTE | Agreed | The only change is to correct the tdoc number of SA2 CR on the coversheet  WOP |
|  |  | 1056 | CR 29.571 0537 Rel-18 Description of NR\_EREDCAP RAT Type | ZTE | revised to C4-241076 | Revision of C4-241076  WI NR\_REDCAP\_Ph2  CAT F |
|  | Main | [1057](./docs/C4-241057.zip) | CR 29.518 1048 Rel-18 Correct SMF behaviour of sending a new Namf\_MT\_EnableUEReachability | ZTE | Revised to C4-241351 | WI NR\_REDCAP\_Ph2  CAT F |
|  |  | [1351](./docs/C4-241351.zip) | CR 29.518 1048 Rel-18 Correct SMF behaviour of sending a new Namf\_MT\_EnableUEReachability | ZTE |  |  |
|  | Plenary | [1076](./docs/C4-241076.zip) | CR 29.571 0537 Rel-18 Description of NR\_EREDCAP RAT Type | ZTE | Agreed | WI NR\_REDCAP\_Ph2  CAT F |
| **6.1.5** | CT aspects on Multiple location report for MT-LR Immediate Location Request for regulatory services |  |  |  |  | TEI18\_MLR |
|  |  |  |  |  |  |  |
| **6.1.6** | CT aspects of enhancement to the 5GC location services - phase 3 |  |  |  |  | 5G\_eLCS\_Ph3 |
|  | Breakout | [1173](./docs/C4-241173.zip) | CR 29.572 0224 Rel-18 Resolve the EN and update attributes of MeasurementData service operation | CATT | Revised to C4-241464 | WI 5G\_eLCS\_Ph3  CAT B  It was discussed whether to use an array to carry each N2 attribute IEs. Offline discussion is needed. |
|  |  | [1464](./docs/C4-241464.zip) | CR 29.572 0224 Rel-18 Resolve the EN and update attributes of MeasurementData service operation | CATT | Agreed |  |
|  | Breakout | [1174](./docs/C4-241174.zip) | CR 29.515 0167 Rel-18 Remove the ENs for security parameters in the UPP | CATT | Revised to C4-241415 | WI 5G\_eLCS\_Ph3  CAT F  Overlapping with 1190  Provide more text in the consequence if not agreed. Add Huawei as co-source. |
|  |  | [1415](./docs/C4-241415.zip) | CR 29.515 0167 Rel-18 Remove the ENs for security parameters in the UPP | CATT, Huawei | Agreed | WOP |
|  | Breakout | [1190](./docs/C4-241190.zip) | CR 29.515 0170 Rel-18 Resolve Editor’s Note | Huawei | Merged to C4-241415 | WI 5G\_eLCS\_Ph3  CAT F |
|  | Breakout | [1175](./docs/C4-241175.zip) | CR 29.572 0255 Rel-18 Update the security configuration for UPUnSubscribe | CATT | Revised to C4-241416 | WI 5G\_eLCS\_Ph3  CAT F  Instead of using new oauth scope, using the exsiting one. And correct the typo in the existing one. Correct the hardspace in the OpenAPI. |
|  |  | [1416](./docs/C4-241416.zip) | CR 29.572 0255 Rel-18 Update the security configuration for UPUnSubscribe | CATT | Agreed |  |
|  | Breakout | [1176](./docs/C4-241176.zip) | CR 29.515 0168 Rel-18 Correct the description of data type IntegrityRequirements | CATT | Merged to C4-241417 | WI 5G\_eLCS\_Ph3  CAT F  Overlapping with 1191 |
|  | Breakout | [1191](./docs/C4-241191.zip) | CR 29.515 0171 Rel-18 Updates on integrity requirement | Huawei | Revised to C4-241417 | WI 5G\_eLCS\_Ph3  CAT F  Editorial correction, e.g. change TR to TS, reference number of 29.572.  And in the table, add more description about the integrity requirement to each spec. |
|  |  | [1417](./docs/C4-241417.zip) | CR 29.515 0171 Rel-18 Updates on integrity requirement | Huawei, CATT | Agreed |  |
|  | Breakout | [1192](./docs/C4-241192.zip) | CR 29.572 0256 Rel-18 Support of LCS user plane connection binding to the UE | Huawei | Revised to C4-241418 | WI 5G\_eLCS\_Ph3  CAT F  Question on whether it is a SHALL behavior or a SHOULD behavior.  Need to check the SA2 CR status, and the related CT1 discussion. |
|  |  | [1418](./docs/C4-241418.zip) | CR 29.572 0256 Rel-18 Support of LCS user plane connection binding to the UE | Huawei |  |  |
| **6.1.7** | Enhancement of Shared Data Handling |  |  |  |  | ShDatID |
|  |  |  |  |  |  |  |
| **6.1.8** | Enhancement of Shared Data Handling [ShDatID]CT Aspects of Edge Computing Phase 2 |  |  |  |  | EDGE\_Ph2 |
|  | Main | [1103](./docs/C4-241103.zip) | CR 29.244 0841 Rel-18 HR-SBO indication | Nokia | Revised to C4-241380 | WI EDGE\_Ph2  CAT F  Overlapping with 1113, 1270 |
|  |  | [1380](./docs/C4-241380.zip) | CR 29.244 0841 Rel-18 HR-SBO indication | Nokia, Huawei, Ericsson | Agreed | The only change is to add more supporting companies  WOP |
|  | Main | [1113](./docs/C4-241113.zip) | CR 29.244 0842 Rel-18 Update N4 session information for a HR-SBO mode | Ericsson | Merged to C4-241380 | WI EDGE\_Ph2  CAT B |
|  | Main | [1270](./docs/C4-241270.zip) | CR 29.244 0848 Rel-18 Application Function influence on traffic routing in HR-SBO | Huawei | Merged to C4-241380 | WI EDGE\_Ph2  CAT B |
|  | Main | [1104](./docs/C4-241104.zip) | CR 29.564 0088 Rel-18 HR-SBO indication in UeIpInfo | Nokia | Merged to C4-241381 | WI EDGE\_Ph2  CAT F  Overlapping with 1114, 1273 |
|  | Main | [1114](./docs/C4-241114.zip) | CR 29.564 0090 Rel-18 HR-SBO indication in GetPrivateUEIPaddrAndIdentifiers Response | Ericsson | Merged to C4-241381 | WI EDGE\_Ph2  CAT B |
|  | Main | [1273](./docs/C4-241273.zip) | CR 29.564 0092 Rel-18 Application Function influence on traffic routing in HR-SBO | Huawei | Revised to C4-241381 | WI EDGE\_Ph2  CAT B |
|  |  | [1381](./docs/C4-241381.zip) | CR 29.564 0092 Rel-18 Application Function influence on traffic routing in HR-SBO | Huawei, Nokia, Ericsson | Agreed |  |
|  | Plenary | [1172](./docs/C4-241172.zip) | CR 29.503 1244 Rel-18 Add security parameter to ECS address IE | Samsung | Postponed | WI EDGE\_Ph2  CAT B  Waiting for the feedback from SA2 regarding the LS linked with 1269, 1299 |
|  | Plenary | [1179](./docs/C4-241179.zip) | CR 29.503 1245 Rel-18 Add list of supported PLMNs to ECS address IE | Samsung | Postponed | WI EDGE\_Ph2  CAT B  Waiting for the feedback from SA2 regarding the LS linked with 1269, 1299 |
|  | Main | [1243](./docs/C4-241243.zip) | CR 29.502 0769 Rel-18 dlAmbr for HR-SBO PDU session | Ericsson | Revised to C4-241382 | WI EDGE\_Ph2  CAT F  Bruno: this topic also impact CT3. Should we have this clarification in 29.571?  Frank: 29.571 only have definition of the data type of the member in the array, we cannot clarify such thing in 29.571  Bruno: would it be better to move the attribute outside the data type  Caixia: why did we define VplmnOffloadingInfo in an array? There are more information should be common for all array members, e.g. PLMN ID  Bruno: PLMN ID should always have the same value |
|  |  | [1382](./docs/C4-241382.zip) | CR 29.502 0769 Rel-18 dlAmbr for HR-SBO PDU session | Ericsson |  |  |
|  |  | [1383](./docs/C4-241383.zip) | CR 29.571 0553 Rel-18 dlAmbr for HR-SBO PDU session | Ericsson |  | WI EDGE\_Ph2  CAT F |
|  | Main | [1252](./docs/C4-241252.zip) | CR 29.502 0770 Rel-18 Correction on the Removal of VplmnOffloadingInfo for PDU session | Ericsson | Revised to C4-241384 | WI EDGE\_Ph2  CAT F |
|  |  | [1384](./docs/C4-241384.zip) | CR 29.502 0770 Rel-18 Correction on the Removal of VplmnOffloadingInfo for PDU session | Ericsson | Agreed | To add “vplmnOffloadingInfo” before “array”  WOP |
|  | Main | [1258](./docs/C4-241258.zip) | CR 29.244 0846 Rel-18 UE source IP address mapping for HR-SBO sessions with overlapping IP addresses | Ericsson, Nokia | Revised to C4-241385 | WI EDGE\_Ph2  CAT B |
|  |  | [1385](./docs/C4-241385.zip) | CR 29.244 0846 Rel-18 UE source IP address mapping for HR-SBO sessions with overlapping IP addresses | Ericsson, Nokia, Huawei | Agreed |  |
|  | Main | [1259](./docs/C4-241259.zip) | CR 29.244 0847 Rel-18 N6 tunneling between V-UPF and V-EASDF for HR-SBO PDU sessions with overlapping IP addresses | Ericsson, Nokia | Revised to C4-241386 | WI EDGE\_Ph2  CAT B |
|  |  | [1386](./docs/C4-241386.zip) | CR 29.244 0847 Rel-18 N6 tunneling between V-UPF and V-EASDF for HR-SBO PDU sessions with overlapping IP addresses | Ericsson, Nokia, Huawei | Agreed |  |
|  | Main | [1260](./docs/C4-241260.zip) | CR 29.510 0995 Rel-18 N6 tunnel Information for a V-UPF or a V-EASDF for HR-SBO PDU sessions | Ericsson | Revised to C4-241387 | WI EDGE\_Ph2  CAT B |
|  |  | [1387](./docs/C4-241387.zip) | CR 29.510 0995 Rel-18 N6 tunnel Information for a V-UPF or a V-EASDF for HR-SBO PDU sessions | Ericsson |  |  |
|  | Main | [1261](./docs/C4-241261.zip) | CR 29.556 0037 Rel-18 N6 tunneling between V-UPF and V-EASDF for HR-SBO PDU sessions with overlapping IP addresses | Ericsson, Nokia | Revised to C4-241388 | WI EDGE\_Ph2  CAT B |
|  |  | [1388](./docs/C4-241388.zip) | CR 29.556 0037 Rel-18 N6 tunneling between V-UPF and V-EASDF for HR-SBO PDU sessions with overlapping IP addresses | Ericsson, Nokia, Huawei | Agreed | The only change is to add supporting company  WOP |
|  | Plenary | [1269](./docs/C4-241269.zip) | discussion Discussion on new impacts to the EDGE\_Ph2 work | Huawei | Noted | CT4 is okay with CT1 sending the LS to stage2 WGs |
|  | Main | [1271](./docs/C4-241271.zip) | CR 29.502 0771 Rel-18 Traffic influence information Correction | Huawei | Revised to C4-241389 | WI EDGE\_Ph2  CAT F |
|  |  | [1389](./docs/C4-241389.zip) | CR 29.502 0771 Rel-18 Traffic influence information Correction | Huawei | Agreed |  |
|  | Main | [1272](./docs/C4-241272.zip) | CR 29.502 0772 Rel-18 Updates on protocolDescription and vEasdfSecurityInfo | Huawei | Revised to C4-241390 | WI EDGE\_Ph2  CAT F |
|  |  | [1390](./docs/C4-241390.zip) | CR 29.502 0772 Rel-18 Updates on vEasdfSecurityInfo | Huawei | Agreed |  |
|  | Plenary | [1299](./docs/C4-241299.zip) | discussion Requirements for updating ECS Address Configuration Information | Nokia | Noted | CT4 is okay with CT1 sending the LS to stage2 WGs |
| **6.1.9** | Enhancement of NSAC for maximum number of UEs with at least one PDU session/PDN connection |  |  |  |  | eNSAC |
|  | **Main** | [1181](./docs/C4-241181.zip) | CR 29.536 0126 Rel-18 Indicate reason of delegation of request to Primary NSACF | Samsung | Postponed | WI eNSAC  CAT B  Zhijun: the quota will anyhow be requested, is it needed to signal this indication? What is the behaviour of NSACF upon receiving this indicator?  Mamdoh: the consequence if not approved is not justified |
| **6.1.10** | UPF enhancement for exposure and SBA |  |  |  |  | UPEAS |
|  | Main | [1105](./docs/C4-241105.zip) | CR 29.564 0089 Rel-18 Input parameters of Nupf\_GetPrivateUEIPaddr\_Get Request | Nokia | Revised to C4-241352 | WI UPEAS  CAT F |
|  |  | [1352](./docs/C4-241352.zip) | CR 29.564 0089 Rel-18 Input parameters of Nupf\_GetPrivateUEIPaddr\_Get Request | Nokia | Agreed | Offline discussion on whether port number should be mandatory |
|  | **Main** | [1289](./docs/C4-241289.zip) | CR 29.564 0093 Rel-18 Correction of Nupf\_GetUEPrivateIPaddrAndIdentifiers API | Huawei | Revised to C4-241489 | WI UPEAS  CAT F |
|  |  | [1489](./docs/C4-241489.zip) | CR 29.564 0093 Rel-18 Correction of Nupf\_GetUEPrivateIPaddrAndIdentifiers API | Huawei | Agreed | The only change is to correct the WIC on the coversheet  WOP |
| **6.1.11** | 5 MBS Phase 2 |  |  |  |  | 5MBS\_PH2 |
|  | **Main** | [1085](./docs/C4-241085.zip) | CR 29.571 0540 Rel-18 NrRedCapUeInfo default value | Nokia | Merged to C4-241363 | WI 5MBS\_Ph2  CAT F  Overlapping with 1247 |
|  | Main | [1247](./docs/C4-241247.zip) | CR 29.571 0549 Rel-18 Aligning the default value of nrRedCapUeInfo with stage 2 specification | Huawei | Revised to C4-241363 | WI 5MBS\_Ph2  CAT F |
|  |  | [1363](./docs/C4-241363.zip) | CR 29.571 0549 Rel-18 Aligning the default value of nrRedCapUeInfo with stage 2 specification | Huawei, Nokia, Qualcomm Incorporated, Ericsson | Revised to C4-241497 |  |
|  |  | [1497](./docs/C4-241497.zip) | CR 29.571 0549 Rel-18 Aligning the default value of nrRedCapUeInfo with stage 2 specification | Huawei, Nokia, Qualcomm Incorporated, Ericsson | Agreed | The only changes are to add Ericsson on the coversheet as co-source and correct typo on the coversheet  WOP |
|  | Main | [1107](./docs/C4-241107.zip) | CR 23.527 0072 Rel-18 Broadcast MBS session restoration procedure for N3mb path failure | Nokia | Revised to C4-241364 | WI 5MBS\_Ph2, NR\_MBS\_enh-Core  CAT F  Overlapping with 1244 |
|  |  | [1364](./docs/C4-241364.zip) | CR 23.527 0072 Rel-18 Broadcast MBS session restoration procedure for N3mb path failure | Nokia, Huawei, Ericsson | Agreed | To keep only the first solution  Frank: is it possible the RAN receives the same MBS data from two 5GC at the same time?  Bruno: after checking SA2 spec, it should be possible. 23.247 clause 6.18 |
|  | Main | [1244](./docs/C4-241244.zip) | CR 23.527 0077 Rel-18 Detection and restoration mechanism for UP path failure for MBS broadcast session | Huawei | Revised to C4-241365 | WI 5MBS\_Ph2  CAT F |
|  |  | [1365](./docs/C4-241365.zip) | CR 23.527 0077 Rel-18 Correction on restoration mechanism for NG-RAN failure in MBS session | Huawei | Agreed |  |
|  | Main | [1108](./docs/C4-241108.zip) | LS out Reply LS on Restoration of N3mb Failure for MBS broadcast | Nokia | Revised to C4-241366 | R3-241144  To: RAN3  CC: SA2  Overlapping with 1245 |
|  |  | [1366](./docs/C4-241366.zip) | LS out Reply LS on Restoration of N3mb Failure for MBS broadcast | Nokia | Approved |  |
|  | Main | [1245](./docs/C4-241245.zip) | LS out Rel-18 Reply LS on restoration of N3mb Failure for MBS broadcast from RAN3 | Huawei | Merged to C4-241366 |  |
|  | Main | [1220](./docs/C4-241220.zip) | CR 29.571 0547 Rel-18 Removal of the defaule value of NR RedCap UE information | Qualcomm Incorporated | Merged to C4-241363 | WI 5MBS\_Ph2  CAT F |
|  | Main | [1225](./docs/C4-241225.zip) | CR 29.532 0090 Rel-18 Supported Features in MBS Session Create request and response | Ericsson, Nokia, Huawei | Agreed | WI 5MBS\_Ph2  CAT F |
| **6.1.12** | Enhancements on Service-based support for SMS in 5GC |  |  |  |  | eSMS\_SBI |
|  |  |  |  |  |  |  |
| **6.1.13** | Study on Reducing Information Exposure over SBI |  |  |  |  | FS\_RedInfExp\_SBI |
|  | **Plenary** | [1086](./docs/C4-241086.zip) | pCR 29.857 Rel-18 Evaluation and Conclusion for KI#3 | Nokia | Revised to C4-241337 |  |
|  |  | [1337](./docs/C4-241337.zip) | pCR 29.857 Rel-18 Evaluation and Conclusion for KI#3 | Nokia |  |  |
|  | **Plenary** | [1240](./docs/C4-241240.zip) | pCR 29.857 Rel-18 Pseudo-CR on Evaluation and Conclusion update of solution #8 for Key issue#1 | China Mobile | Agreed |  |
|  | **Plenary** | [1249](./docs/C4-241249.zip) | pCR 29.857 Rel-18 pCR on Update evaluation of key Issue #1 | Huawei | Revised to C4-241338 |  |
|  |  | [1338](./docs/C4-241338.zip) | pCR 29.857 Rel-18 pCR on Update evaluation of key Issue #1 | Huawei |  |  |
|  |  | [1339](./docs/C4-241339.zip) | LS out LS on evaluation of xxxxx | Huawei |  | To: SA3  CC: |
|  |  |  | TR 29.857v0.4.0 | Samsung |  |  |
| **6.1.14** | Study on IMS Disaster Prevention and Restoration Enhancement |  |  |  |  | FS\_IMS\_RES |
|  | Breakout | [1013](./docs/C4-241013.zip) | pCR 29.866 Rel-18 pCR on TR 29.866 Update Solution #3: Solution for maintaining IMS MT service uninterruptible in case of HSS/UDM failure | China Telecom Corporation Ltd. | Revised to C4-241400 | Mendi: 305 response is not right, re-registration is not mentioned  Mohamed: How do you get the preconfiguration for authentication?  Rong: require analysis required for pros and cons  Jesus: the original registration was referring on already registered user, is initial something new?  It can be that the re-registration fails where the initial registration might take place.  Jesus :AS has to be single one and preconfigured, and this needs to be mentioned. |
|  |  | [1400](./docs/C4-241400.zip) | pCR 29.866 Rel-18 pCR on TR 29.866 Update Solution #3: Solution for maintaining IMS MT service uninterruptible in case of HSS/UDM failure | China Telecom Corporation Ltd. | Revised to C4-241467 |  |
|  |  | [1467](docs/C4-241467.zip) | pCR 29.866 Rel-18 pCR on TR 29.866 Update Solution #3: Solution for maintaining IMS MT service uninterruptible in case of HSS/UDM failure | China Telecom Corporation Ltd. | Agreed | WOP |
|  | **Breakout** | [1014](./docs/C4-241014.zip) | pCR 29.866 Rel-18 pCR on TR 29.866 Evaluation and Conclusion of KI#4 | China Telecom Corporation Ltd. | Postponed |  |
|  | **Breakout** | [1187](./docs/C4-241187.zip) | pCR 29.866 Rel-18 Solution for KI#1 | Huawei | Revised to C4-241401 | Different solution provided from 1013.  Using OPTIONS would require lots of signaling and should be mentioned in the pros or cons. |
|  |  | [1401](./docs/C4-241401.zip) | pCR 29.866 Rel-18 Solution for KI#1 | Huawei |  |  |
|  | **Breakout** | [1188](./docs/C4-241188.zip) | pCR 29.866 Rel-18 Solution for KI#2 | Huawei, China Telecom | Revised to C4-241402 | Procedures in "6.X.1.2 Default IMS bearer establishment procedure of PCRF/PCF bypass" seem to exist today, what is the difference from that? Jesus: Will the telephony work sufficiently without PCRF being involved? Network provided Location information might not be supported, roaming status may not be maintained, bandwidth adjustment might not work (e.g. voice to video change).  We need to clarify the condition, and clarify the impact to telephony service.  Mohmed: Network provided information is mandatory for emergency call. There are fallback scenario for that.  However, the points should be captured. |
|  |  | [1402](./docs/C4-241402.zip) | pCR 29.866 Rel-18 Solution for KI#2 | Huawei, China Telecom |  |  |
|  | **Breakout** | [1189](./docs/C4-241189.zip) | pCR 29.866 Rel-18 Solution for KI#3 | Huawei | Revised to C4-241403 | UE can be unreachable for various reason, how do we know? Need to be able to distinguish whether the error comes from EPC or 5GC.  Step 5 onwards is existing flow.  Quite confusing  Impact to normal behavior for step 6 |
|  |  | [1403](./docs/C4-241403.zip) | pCR 29.866 Rel-18 Solution for KI#3 | Huawei |  |  |
|  |  | [1404](./docs/C4-241404.zip) | TR 29.866v0.4.0 | China Telecom |  |  |
| **6.1.15** | CT aspects of home network triggered primary authentication |  |  |  |  | HN\_Auth |
|  | Breakout | [1193](./docs/C4-241193.zip) | CR 29.503 1246 Rel-18 Updates on auth-trigger URI | Huawei | Agreed | WI HN\_Auth  CAT F |
| **6.1.16** | NRF API enhancements to avoid signalling and storing of redundant data |  |  |  |  | NRFe |
|  | Plenary | [1074](./docs/C4-241074.zip) | CR 29.510 0986 Rel-18 Shared Data corrections and clean up | Nokia | Agreed | WI NRFe  CAT F |
|  | **Plenary** | [1075](./docs/C4-241075.zip) | CR 29.510 0987 Rel-18 Retrieval of multiple shared data | Nokia | Revised to C4-241370 | WI NRFe  CAT F |
|  |  | [1370](./docs/C4-241370.zip) | CR 29.510 0987 Rel-18 Retrieval of multiple shared data | Nokia |  |  |
| **6.1.17** | CT impacts of EVS Codec Extension for Immersive Voice and Audio Services |  |  |  |  | IVAS\_Codec |
|  |  |  |  |  |  |  |
| **6.2** | **CT4 Supported WIs** |  |  |  |  |  |
| **6.2.1** | **Enhancements of UE Policy** |  |  |  |  | UEP18 |
|  |  |  |  |  |  |  |
| **6.2.2** | **CT aspects of Enhanced support of Non-Public Networks Phase 2** |  |  |  |  | eNPN\_Ph2 |
|  |  |  |  |  |  |  |
| **6.2.3** | **Protocol enhancements for Mission Critical Services** |  |  |  |  | MCPROTOC18 |
|  |  |  |  |  |  |  |
| **6.2.4** | **Support for 5WWC Phase 2** |  |  |  |  | 5WWC\_Ph2 |
|  |  |  |  |  |  |  |
| **6.2.5** | **Mission critical system migration and interconnection enhancements** |  |  |  |  | eMCSMI\_Irail |
|  |  |  |  |  |  |  |
| **6.2.6** | **CT aspects of proximity based services in 5GS Phase 2** |  |  |  |  | 5G\_ProSe\_Ph2 |
|  | **Breakout** | [1154](./docs/C4-241154.zip) | CR 29.555 0021 Rel-18 Correction on N5g-ddnmf\_Discovery API | Ericsson | Revised to C4-241419 | WI 5G\_ProSe\_Ph2  CAT F  To be discussed together with (C4-241178) in TEI18.  Correct the CR coversheet, other comments, and it is a correction not a new feature. |
|  |  | [1419](./docs/C4-241419.zip) | CR 29.555 0021 Rel-18 Correction on N5g-ddnmf\_Discovery API | Ericsson, CATT | Agreed |  |
| **6.2.7** | **Secondary DN authentication and authorization in EPC IWK cases** |  |  |  |  | TEI18\_SDNAEPC |
|  |  |  |  |  |  |  |
| **6.2.8** | **CT aspects of Seamless UE session context recovery** |  |  |  |  | SUECR |
|  |  |  |  |  |  |  |
| **6.2.9** | **CT aspects of General Support of IPv6 Prefix Delegation in 5GS[** |  |  |  |  | TEI18\_IPv6PD |
|  |  |  |  |  |  |  |
| **6.2.10** | **CT aspects of 5G System with Satellite Backhaul** |  |  |  |  | 5GSATB |
|  |  |  |  |  |  |  |
| **6.2.11** | **5G Timing Resiliency and TSC & URLLC enhancements** |  |  |  |  | TRS\_URLLC |
|  | **Plenary** | [1081](./docs/C4-241081.zip) | CR 29.503 1239 Rel-18 Time Sync Subscription Data | Nokia | Merged to C4-241332 | WI TRS\_URLLC  CAT F |
|  | **Main** | [1109](./docs/C4-241109.zip) | CR 23.527 0073 Rel-18 Restoration of TSS monitoring upon an NG-RAN failure with or w/o restart | Nokia, Ericsson | Agreed | WI TRS\_URLLC  CAT B |
|  | **Main** | [1110](./docs/C4-241110.zip) | CR 23.527 0074 Rel-18 Restoration of TSS monitoring upon an AMF failure with or w/o restart | Nokia, Ericsson | Revised to C4-241367 | WI TRS\_URLLC  CAT B |
|  |  | [1367](./docs/C4-241367.zip) | CR 23.527 0074 Rel-18 Restoration of TSS monitoring upon an AMF failure with or w/o restart | Nokia, Ericsson | Agreed | The only change is to replace “an“ with “one“ in NOTE3  WOP |
|  | **Main** | [1117](./docs/C4-241117.zip) | CR 23.527 0075 Rel-18 Restoration of TSS monitoring upon an TSCTSF failure with or w/o restart | Ericsson, Nokia | Revised to C4-241368 | WI TRS\_URLLC  CAT B |
|  |  | [1368](./docs/C4-241368.zip) | CR 23.527 0075 Rel-18 Restoration of TSS monitoring upon an TSCTSF failure with or w/o restart | Ericsson, Nokia | Agreed |  |
|  | **Main** | [1137](./docs/C4-241137.zip) | CR 29.518 1057 Rel-18 Restoration of TSS monitoring upon an NG-RAN failure with or w/o restart | Ericsson, Nokia | Agreed | WI TRS\_URLLC  CAT B |
|  | **Main** | [1138](./docs/C4-241138.zip) | CR 29.571 0544 Rel-18 Make IEs related TRS\_URLLC nullable | Ericsson | Revised to C4-241369 | WI TRS\_URLLC  CAT B |
|  |  | [1369](./docs/C4-241369.zip) | CR 29.571 0544 Rel-18 Make IEs related TRS\_URLLC nullable | Ericsson |  | Need to wait for agreement on related CT3 CR |
|  | **Plenary** | [1219](./docs/C4-241219.zip) | CR 29.503 1252 Rel-18 Updates on AstiAllowedInfo | Huawei | Revised to C4-241332 | WI TRS\_URLLC  CAT B |
|  |  | [1332](./docs/C4-241332.zip) | CR 29.503 1252 Rel-18 Updates on AstiAllowedInfo | Huawei, Nokia, Ericsson |  |  |
| **6.2.12** | **Extensions to the TSC Framework to support DetNet** |  |  |  |  | DetNet |
|  |  |  |  |  |  |  |
| **6.2.13** | **CT aspects of 5G System Enabler for Service Function Chaining** |  |  |  |  | SFC |
|  |  |  |  |  |  |  |
| **6.2.14** | **CT aspects of Access Traffic Steering, Switch and Splitting support in the 5G system  architecture; Phase** |  |  |  |  | ATSSS\_PH3 |
|  | **Plenary** | [1012](./docs/C4-241012.zip) | Work Plan Work Plan for ATSSS Phase 3 | Lenovo |  |  |
| **6.2.15** | **Enablers for Network Automation for 5G phase 3** |  |  |  |  | eNA\_PH3 |
|  |  |  |  |  |  |  |
| **6.2.16** | **CT aspects on enhancement of network slicing phase 3** |  |  |  |  | eNS\_PH3 |
|  | **Main** | [1040](./docs/C4-241040.zip) | CR 29.502 0758 Rel-18 Correction on PDU session release condition due to network slice replacement | ZTE | Revised to C4-241353 | WI eNS\_Ph3  CAT F  Caixia: clause 4.3.3.3 of 3GPP TS 23.502 only mentions alternative NSSAI |
|  |  | [1353](./docs/C4-241353.zip) | CR 29.502 0758 Rel-18 Correction on PDU session release condition due to network slice replacement | ZTE |  |  |
|  | **Main** | [1041](./docs/C4-241041.zip) | CR 29.502 0759 Rel-18 Clarification on PDU session establishment when network slice replacement happens | ZTE | Revised to C4-241354 | WI eNS\_Ph3  CAT F |
|  |  | [1354](./docs/C4-241354.zip) | CR 29.502 0759 Rel-18 Clarification on PDU session establishment when network slice replacement happens | ZTE |  | To not use normative wording in the NOTE |
|  | **Main** | [1042](./docs/C4-241042.zip) | CR 29.503 1235 Rel-18 Clarification on SMF registration when network slice replacement happens | ZTE | Revised to C4-241355 | WI eNS\_Ph3  CAT F |
|  |  | [1355](./docs/C4-241355.zip) | CR 29.503 1235 Rel-18 Clarification on SMF registration when network slice replacement happens | ZTE | Agreed | The only change is to correct the typo and to replace “message body“ with “content“  WOP |
|  | **Main** | [1043](./docs/C4-241043.zip) | CR 29.536 0121 Rel-18 Clarification on NSAC when network slice replacement happens | ZTE | Merged to C4-241359 | WI eNS\_Ph3  CAT F |
|  | **Main** | [1044](./docs/C4-241044.zip) | CR 29.510 0984 Rel-18 Clarification on presence of IE of snssaiListForEntirePlmn and nsacSaiList in NsacfInfo | ZTE, Nokia, Nokia Shanghai Bell | Revised to C4-241308 | WI eNS\_Ph3  CAT F |
|  |  | [1308](./docs/C4-241308.zip) | CR 29.510 0984 Rel-18 Clarification on presence of IE of snssaiListForEntirePlmn and nsacSaiList in NsacfInfo | ZTE, Nokia | Revised to C4-241361 |  |
|  |  | [1361](./docs/C4-241361.zip) | CR 29.510 0984 Rel-18 Clarification on presence of IE of snssaiListForEntirePlmn and nsacSaiList in NsacfInfo | ZTE, Nokia |  |  |
|  | **Main** | [1045](./docs/C4-241045.zip) | CR 29.518 1044 Rel-18 Correct the description related to partially allowed NSSAI | ZTE | Revised to C4-241356 | WI eNS\_Ph3  CAT F |
|  |  | [1356](./docs/C4-241356.zip) | CR 29.518 1044 Rel-18 Correct the description related to partially allowed NSSAI | ZTE |  | The second condition in the NOTE is not needed |
|  | **Main** | [1046](./docs/C4-241046.zip) | CR 29.518 1045 Rel-18 Remove the EN related to partially allowed NSSAI | ZTE | Revised to C4-241357 | WI eNS\_Ph3  CAT F  Jones: the source AMF can know the capability of the target AMF, if the target AMF does not support partiallly allow feature, it include it in the allowed S-NSSAI list |
|  |  | [1357](./docs/C4-241357.zip) | CR 29.518 1045 Rel-18 Remove the EN related to partially allowed NSSAI | ZTE |  |  |
|  | **Main** | [1047](./docs/C4-241047.zip) | CR 29.502 0760 Rel-18 Introduce the Slice Area Restriction indication | ZTE | Merged to C4-241358 | WI eNS\_Ph3  CAT F  Overlapping with 1118 |
|  | **Main** | [1118](./docs/C4-241118.zip) | CR 29.502 0766 Rel-18 PDU session subject to area restriction for the S-NSSAI | Nokia | Revised to C4-241358 | WI eNS\_Ph3  CAT B |
|  |  | [1358](./docs/C4-241358.zip) | CR 29.502 0766 Rel-18 PDU session subject to area restriction for the S-NSSAI | Nokia, ZTE |  |  |
|  | **Main** | [1048](./docs/C4-241048.zip) | CR 29.518 1046 Rel-18 Subscribe to event notification for Slice Service Area | ZTE, Ericsson | Revised to C4-241362 | WI eNS\_Ph3  CAT F  Overlapping with 1120  Offline discussion on whether we should use existing attributes |
|  |  | [1362](./docs/C4-241362.zip) | CR 29.518 1046 Rel-18 Subscribe to event notification for Slice Service Area | ZTE, Ericsson, Nokia |  |  |
|  | **Main** | [1120](./docs/C4-241120.zip) | CR 29.518 1055 Rel-18 Presence-In-AOI-Report event for PDU session subject to area restriction | Nokia | Merged to C4-241362 | WI eNS\_Ph3  CAT B  Offline discussion on whether we should use existing attributes |
|  | **Main** | [1119](./docs/C4-241119.zip) | CR 29.571 0543 Rel-18 Presence Info for partially allowed NSSAI and NS-AOS | Nokia | Withdrawn | WI eNS\_Ph3  CAT B  Offline discussion on whether we should use existing attributes  The principle in this CR is captured in 1362 |
|  |  | 1121 | CR 29.510 0988 Rel-18 Clarification to the NsacfInfo attributes | Nokia | withdrawn | WI eNS\_Ph3  CAT F |
|  | **Main** | [1122](./docs/C4-241122.zip) | CR 29.536 0123 Rel-18 Correct the feature name VHNSAC in structured datatypes | Nokia | Agreed | WI eNS\_Ph3  CAT F |
|  | **Main** | [1123](./docs/C4-241123.zip) | CR 29.536 0124 Rel-18 Correction of QuotaUpdateRequestData and QuotaUpdateResponseData references | Nokia | Agreed | WI eNS\_Ph3  CAT F |
|  | **Main** | [1124](./docs/C4-241124.zip) | CR 29.536 0125 Rel-18 NSAC optimization for network slice replacement | Nokia | Revised to C4-241359 | WI eNS\_Ph3  CAT B  Overlapping with 1275 |
|  |  | [1359](./docs/C4-241359.zip) | CR 29.536 0125 Rel-18 NSAC optimization for network slice replacement | Nokia, Huawei, ZTE |  |  |
|  | **Main** | [1275](./docs/C4-241275.zip) | CR 29.536 0127 Rel-18 NSAC in network slice replacement | Huawei | Merged to C4-241359 | WI eNS\_Ph3  CAT F |
|  | **Main** | [1274](./docs/C4-241274.zip) | CR 29.526 0084 Rel-18 NSSAA in network slice replacement | Huawei | Revised to C4-241360 | WI eNS\_Ph3  CAT F |
|  |  | [1360](./docs/C4-241360.zip) | CR 29.526 0084 Rel-18 NSSAA in network slice replacement | Huawei | Agreed | The only change is to make the new text into a NOTE and not use normative wording  WOP |
| **6.2.17** | **Generic group management, exposure and communication enhancements** |  |  |  |  | GMEC |
|  | **Breakout** | [1035](./docs/C4-241035.zip) | CR 29.503 1234 Rel-18 Update the 5G VN group communication indication | China Mobile, China Southern Power Grid | Revised to C4-241407 | WI GMEC  CAT F  CT3 agreement is to introduce new attribute instead of updating.  Changes to be made.  To be checked on the alignment with CT3 CR. |
|  |  | [1407](./docs/C4-241407.zip) | CR 29.503 1234 Rel-18 Update the 5G VN group communication indication | China Mobile, China Southern Power Grid | Agreed |  |
| **6.2.18** | **CT aspects of Next Generation Real time Communication services** |  |  |  |  | NG\_RTC |
|  | **Breakout** | [1034](./docs/C4-241034.zip) | CR 29.330 0001 Rel-18 Update Experimental-Result-Code for Sc-pull procedure | China Mobile | Agreed | WI NG\_RTC  CAT F |
|  | **Breakout** | [1053](./docs/C4-241053.zip) | CR 29.364 0053 Rel-18 Extention of MMTEL service profile to support DC | ZTE | Revised to C4-241414 | WI NG\_RTC  CAT F |
|  |  | [1414](./docs/C4-241414.zip) | CR 29.364 0053 Rel-18 Extention of MMTEL service profile to support DC | ZTE | Agreed | WOP |
|  | **Breakout** | [1054](./docs/C4-241054.zip) | CR 29.510 0985 Rel-18 Add MF Location Info in MF Profile | ZTE | Withdrawn | WI NG\_RTC  CAT F |
|  | **Breakout** | [1180](./docs/C4-241180.zip) | CR 29.571 0545 Rel-18 Support of SDP attributes a=3gpp-bdc-used-by and a=3gpp-req-app | Huawei | Revised to C4-241408 | WI NG\_RTC  CAT F |
|  |  | [1408](./docs/C4-241408.zip) | CR 29.571 0545 Rel-18 Support of SDP attributes a=3gpp-bdc-used-by and a=3gpp-req-app | Huawei | Revised to C4-241468 |  |
|  |  | [1468](docs/C4-241468.zip) | CR 29.571 0545 Rel-18 Support of SDP attributes a=3gpp-bdc-used-by and a=3gpp-req-app | Huawei |  |  |
|  | **Breakout** | [1182](./docs/C4-241182.zip) | CR 29.175 0001 Rel-18 Support of SDP attributes a=3gpp-bdc-used-by and a=3gpp-req-app | Huawei | Agreed | WI NG\_RTC  CAT F |
|  | **Breakout** | [1183](./docs/C4-241183.zip) | CR 29.175 0002 Rel-18 Correction on the Nimsas\_MediaControl service | Huawei | Revised to C4-241409 | WI NG\_RTC  CAT F  Coversheet needs to be updated |
|  |  | [1409](./docs/C4-241409.zip) | CR 29.175 0002 Rel-18 Correction on the Nimsas\_MediaControl service | Huawei | Agreed | WOP |
|  | **Breakout** | [1184](./docs/C4-241184.zip) | CR 29.175 0003 Rel-18 Correction on the Nimsas\_SessionEventControl service | Huawei | Revised to C4-241410 | WI NG\_RTC  CAT F |
|  |  | [1410](./docs/C4-241410.zip) | CR 29.175 0003 Rel-18 Correction on the Nimsas\_SessionEventControl service | Huawei | Agreed | WOP |
|  | **Breakout** | [1185](./docs/C4-241185.zip) | CR 29.176 0010 Rel-18 Clarification on the Media Context ID and termination ID | Huawei | Agreed | WI NG\_RTC  CAT F |
|  | **Breakout** | [1186](./docs/C4-241186.zip) | CR 29.330 0002 Rel-18 Correction on the XML Schema | Huawei | Agreed | WI NG\_RTC  CAT F |
| **6.2.19** | **CT Aspect of Further Architecture Enhancement for UAV and UAM Ph2** |  |  |  |  | UAS\_Ph2 |
|  |  |  |  |  |  |  |
| **6.2.20** | **CT aspects of Ranging based services and sidelink positioning** |  |  |  |  | Ranging\_SL |
|  | **Breakout** | [1140](./docs/C4-241140.zip) | CR 24.080 0116 Rel-18 Resolve the EN on describing the relativeLocation and rangeDirection | vivo | Revised to C4-241421 | WI Ranging\_SL  CAT F |
|  |  | [1421](./docs/C4-241421.zip) | CR 24.080 0116 Rel-18 Resolve the EN on describing the relativeLocation and rangeDirection | vivo | Revised to C4-241477 |  |
|  |  | [1477](docs/C4-241477.zip) | CR 24.080 0116 Rel-18 Resolve the EN on describing the relativeLocation and rangeDirection | vivo | Agreed | WOP |
|  | **Breakout** | [1177](./docs/C4-241177.zip) | CR 29.515 0169 Rel-18 Correct the description of feature Ranging\_SL | CATT | Merged to C4-241420 | WI Ranging\_SL  CAT F  Overlap with 1195, and 1195 to be taken as basis |
|  | **Breakout** | [1194](./docs/C4-241194.zip) | CR 29.503 1247 Rel-18 Resolve Editor’s Note | Huawei | Revised to C4-241422 | WI Ranging\_SL  CAT B  Updates to reused data type required  Distance accuracy and range accuracy, what is the differenc? |
|  |  | [1422](./docs/C4-241422.zip) | CR 29.503 1247 Rel-18 Resolve Editor’s Note | Huawei | Agreed |  |
|  | **Breakout** | [1195](./docs/C4-241195.zip) | CR 29.515 0172 Rel-18 Updates on feature description | Huawei | Revised to C4-241420 | WI Ranging\_SL  CAT F |
|  |  | [1420](./docs/C4-241420.zip) | CR 29.515 0172 Rel-18 Updates on feature description | Huawei, CATT | Agreed |  |
|  | **Breakout** | [1196](./docs/C4-241196.zip) | CR 29.518 1067 Rel-18 Updates on feature description | Huawei | Revised to C4-241423 | WI Ranging\_SL  CAT F |
|  |  | [1423](./docs/C4-241423.zip) | CR 29.518 1067 Rel-18 Updates on feature description | Huawei | Agreed |  |
|  | **Breakout** | [1197](./docs/C4-241197.zip) | CR 29.572 0257 Rel-18 Updates on feature description | Huawei | Revised to C4-241424 | WI Ranging\_SL  CAT F |
|  |  | [1424](./docs/C4-241424.zip) | CR 29.572 0257 Rel-18 Updates on feature description | Huawei | Agreed |  |
|  | **Breakout** | [1198](./docs/C4-241198.zip) | CR 29.571 0546 Rel-18 Updates on RangingSlPosAuth | Huawei | Revised to C4-241425 | WI Ranging\_SL  CAT F  Coversheet needs to be updated on summary of change |
|  |  | [1425](./docs/C4-241425.zip) | CR 29.571 0546 Rel-18 Updates on RangingSlPosAuth | Huawei | Agreed | WOP |
|  | **Breakout** | [1199](./docs/C4-241199.zip) | CR 29.586 0001 Rel-18 Update the incorrect description | Huawei | Revised to C4-241426 | WI Ranging\_SL  CAT F |
|  |  | [1426](./docs/C4-241426.zip) | CR 29.586 0001 Rel-18 Update the incorrect description | Huawei | Agreed | WOP |
|  | **Breakout** | [1200](./docs/C4-241200.zip) | CR 29.586 0002 Rel-18 Update the references | Huawei | Agreed | WI Ranging\_SL  CAT F |
|  | **Breakout** | [1201](./docs/C4-241201.zip) | CR 29.586 0003 Rel-18 Updates on announce-authorize URI | Huawei | Revised to C4-241427 | WI Ranging\_SL  CAT F  Same figures are modifled by 1201, 1202, 1203, and was discussed whether it should be merged.  To avoid rapportuer for updating the figure by themselves, the figure will only be updated in one of the CR, and the rest will have dependency.  Coversheet to be changed accordingly  Similar case in the future should be considered and to provide rules. |
|  |  | [1427](./docs/C4-241427.zip) | CR 29.586 0003 Rel-18 Updates on announce-authorize URI | Huawei | OPEN | Comment mentioned whether the CRs in 1427, 1428, 1429 should be merged due to same reason and that the same figures are modified.  From the rapporteur's perspective, 3 CRs are fine to implement, but the issue itself on way forward not agreed.  To be discussed in Plenary session with more voices. |
|  | **Breakout** | [1202](./docs/C4-241202.zip) | CR 29.586 0004 Rel-18 Updates on discovery-authorize URI | Huawei | Revised to C4-241428 | WI Ranging\_SL  CAT F  Refer to 1201  Description in 5.2.2.4.1 to be updated (discovery) |
|  |  | [1428](./docs/C4-241428.zip) | CR 29.586 0004 Rel-18 Updates on discovery-authorize URI | Huawei | OPEN | See note in 1427 |
|  | **Breakout** | [1203](./docs/C4-241203.zip) | CR 29.586 0005 Rel-18 Updates on monitor-authorize URI | Huawei | Revised to C4-241429 | WI Ranging\_SL  CAT F |
|  |  | [1429](./docs/C4-241429.zip) | CR 29.586 0005 Rel-18 Updates on monitor-authorize URI | Huawei | OPEN | See note in 1427 |
|  | **Breakout** | [1204](./docs/C4-241204.zip) | CR 29.586 0006 Rel-18 Updates on the API Description | Huawei | Revised to C4-241430 | WI Ranging\_SL  CAT F |
|  |  | [1430](./docs/C4-241430.zip) | CR 29.586 0006 Rel-18 Updates on the API Description | Huawei | Agreed | WOP |
|  | **Breakout** | [1300](./docs/C4-241300.zip) | CR 29.503 1256 Rel-18 Remove support of RangingSL Positioning service exposure to Client UE through 5GC | Xiaomi | Revised to C4-241431 | WI Ranging\_SL  CAT F |
|  |  | [1431](./docs/C4-241431.zip) | CR 29.503 1256 Rel-18 Remove support of RangingSL Positioning service exposure to Client UE through 5GC | Xiaomi | Agreed |  |
|  | **Breakout** | [1301](./docs/C4-241301.zip) | CR 29.515 0175 Rel-18 Remove Ngmlc\_Location\_ProvideRanging | Xiaomi | Revised to C4-241432 | WI Ranging\_SL  CAT F |
|  |  | [1432](./docs/C4-241432.zip) | CR 29.515 0175 Rel-18 Remove Ngmlc\_Location\_ProvideRanging | Xiaomi | Agreed |  |
|  | **Breakout** | [1302](./docs/C4-241302.zip) | CR 24.080 0117 Rel-18 Remove support of RangingSL Positioning service exposure to Client UE through 5GC | Xiaomi | Revised to C4-241433 | WI Ranging\_SL  CAT F |
|  |  | [1433](./docs/C4-241433.zip) | CR 24.080 0117 Rel-18 Remove support of RangingSL Positioning service exposure to Client UE through 5GC | Xiaomi | Agreed | WOP |
|  | **Breakout** | [1303](./docs/C4-241303.zip) | CR 29.503 1257 Rel-18 UE RangingSL Positioning privacy profile | Xiaomi | Revised to C4-241434 | WI Ranging\_SL  CAT B  Corresponding TS 29.504, TS 29.505, TS 24.080 CR required.  Will do for the next meeting. |
|  |  | [1434](./docs/C4-241434.zip) | CR 29.503 1257 Rel-18 UE RangingSL Positioning privacy profile | Xiaomi | Agreed |  |
|  | **Breakout** | [1304](./docs/C4-241304.zip) | CR 29.515 0176 Rel-18 Privacy notification and verification for UEs belonging to different PLMN(s) | Xiaomi | Revised to C4-241435 | WI Ranging\_SL  CAT F |
|  |  | [1435](./docs/C4-241435.zip) | CR 29.515 0176 Rel-18 Privacy notification and verification for UEs belonging to different PLMN(s) | Xiaomi | Revised to C4-241469 |  |
|  |  | [1469](docs/C4-241469.zip) | CR 29.515 0176 Rel-18 Privacy notification and verification for UEs belonging to different PLMN(s) | Xiaomi | Agreed | WOP |
|  | **Breakout** | [1305](./docs/C4-241305.zip) | CR 29.586 0007 Rel-18 General update for the specification for SLPKMF services | Xiaomi | Revised to C4-241436 | WI Ranging\_SL  CAT F |
|  |  | [1436](./docs/C4-241436.zip) | CR 29.586 0007 Rel-18 General update for the specification for SLPKMF services | Xiaomi | Agreed | WOP |
| **6.2.21** | **CT aspects of System Support for AI/ML-based Services** |  |  |  |  | AIMLsys |
|  | **Plenary** | [1276](./docs/C4-241276.zip) | CR 29.571 0552 Rel-18 JobType update for UE level measurements | Huawei | Revised to C4-241333 | WI AIMLsys  CAT B |
|  |  | [1333](./docs/C4-241333.zip) | CR 29.571 0552 Rel-18 JobType update for UE level measurements | Huawei, China Mobile | Agreed | The only change is to add supporting company  WOP |
| **6.2.22** | **CT aspects of Personal IoT Network** |  |  |  |  | PIN |
|  |  |  |  |  |  |  |
| **6.2.23** | **CT aspects of enhancement of 5G UE Policy** |  |  |  |  | eUEPO |
|  |  |  |  |  |  |  |
| **6.2.24** | **CT Aspect of Architecture Enhancements for Vehicle Mounted Relays** |  |  |  |  | VMR |
|  |  |  |  |  |  |  |
| **6.2.25** | **CT aspects on 5G AM Policy** |  |  |  |  | AMP |
|  |  |  |  |  |  |  |
| **6.2.26** | **Architecture Enhancements for XR and media services** |  |  |  |  | XRM |
|  | **Main** | [1092](./docs/C4-241092.zip) | CR 29.502 0762 Rel-18 Nsmf\_PDUSession API features for XRM support | Nokia | Revised to C4-241391 | WI XRM  CAT F |
|  |  | [1391](./docs/C4-241391.zip) | CR 29.502 0762 Rel-18 Nsmf\_PDUSession API features for XRM support | Nokia | Agreed |  |
|  | **Main** | [1093](./docs/C4-241093.zip) | CR 29.502 0763 Rel-18 Protocol Description for UL traffic | Nokia | Revised to C4-241393 | WI XRM  CAT F  Frank: our understanding of CT1 mechanism is different from Nokia  Caixia: should we communicate with CT1 to see if they can optimize their solution?  Hanna: related CT1 CR is under discussion (C1-242498) |
|  |  | [1393](./docs/C4-241393.zip) | CR 29.502 0763 Rel-18 Protocol Description for UL traffic | Nokia |  |  |
|  | **Plenary** | [1094](./docs/C4-241094.zip) | CR 29.571 0541 Rel-18 PDU Set QoS parameters | Nokia | Revised to C4-241335 | WI XRM  CAT F |
|  |  | [1335](./docs/C4-241335.zip) | CR 29.571 0541 Rel-18 PDU Set QoS parameters | Nokia, Ericsson | Agreed | The only change is to add Ericsson as supporting company  WOP |
|  | **Main** | [1095](./docs/C4-241095.zip) | CR 29.244 0838 Rel-18 UPF reports for Congestion information and Data Rate monitoring | Nokia | Revised to C4-241394 | WI XRM  CAT F |
|  |  | [1394](./docs/C4-241394.zip) | CR 29.244 0838 Rel-18 UPF reports for Congestion information and Data Rate monitoring | Nokia, Ericsson | Agreed | The only change is to add supporting company  WOP |
|  | **Main** | [1096](./docs/C4-241096.zip) | CR 29.244 0839 Rel-18 Definition of congestion information for exposure | Nokia | Agreed | WI XRM  CAT F |
|  | **Main** | [1097](./docs/C4-241097.zip) | CR 29.502 0764 Rel-18 ECN marking/Congestion Information Reporting Status during Xn and N2 handovers | Nokia | Agreed | WI XRM  CAT F |
|  | **Main** | [1098](./docs/C4-241098.zip) | CR 29.244 0840 Rel-18 Resolving Editor's notes on EDB Indication and RTP Header Extension Type | Nokia | Revised to C4-241395 | WI XRM  CAT F  Overlapping with 1115, 1278 |
|  |  | [1395](./docs/C4-241395.zip) | CR 29.244 0840 Rel-18 Resolving Editor's notes on EDB Indication and RTP Header Extension Type | Nokia, Huawei, Ericsson | Agreed |  |
|  | **Main** | [1115](./docs/C4-241115.zip) | CR 29.244 0843 Rel-18 Resolving Editor's Notes for End of Data Burst | Ericsson | Merged to C4-241395 | WI XRM  CAT B |
|  | **Main** | [1278](./docs/C4-241278.zip) | CR 29.244 0850 Rel-18 Removal of EN on End of data Burst Indication | Huawei | Merged to C4-241395 | WI XRM  CAT F |
|  | **Plenary** | [1116](./docs/C4-241116.zip) | CR 29.571 0542 Rel-18 Dependency between PDU Set QoS parameters | Ericsson | Merged to C4-241335 | WI XRM  CAT B |
|  | **Plenary** | [1262](./docs/C4-241262.zip) | CR 29.571 0550 Rel-18 Removable data types for XRM | Ericsson | Revised to C4-241336 | WI XRM  CAT B |
|  |  | [1336](./docs/C4-241336.zip) | CR 29.571 0550 Rel-18 Removable data types for XRM | Ericsson |  | Need to wait for CT3 CR agreed |
|  | **Main** | [1277](./docs/C4-241277.zip) | CR 29.244 0849 Rel-18 Description of IEs in congestion information monitoring | Huawei | Revised to C4-241396 | WI XRM  CAT F |
|  |  | [1396](./docs/C4-241396.zip) | CR 29.244 0849 Rel-18 Description of IEs in congestion information monitoring | Huawei | Agreed | The only change is to revert the change on Reporting Frequency  WOP |
|  | **Main** | [1279](./docs/C4-241279.zip) | CR 29.244 0851 Rel-18 Update the description of PDU set marking | Huawei | Revised to C4-241397 | WI XRM  CAT F |
|  |  | [1397](./docs/C4-241397.zip) | CR 29.244 0851 Rel-18 Update the description of PDU set marking | Huawei | Agreed | The only change is to revert the changes of “ in the PDU Set Information Container of the GTP-U packet (see 3GPP TS 38.415 [34])“  WOP |
| **6.2.27** | **PLMN Selection based on Network Slice** |  |  |  |  | PLMNsel\_NS |
|  |  |  |  |  |  |  |
| **6.2.28** | **MPS when access to EPC/5GC is WLAN** |  |  |  |  | MPS\_WLAN |
|  |  |  |  |  |  |  |
| **6.2.29** | **Network Slice Capability Exposure for Application Layer Enablement** |  |  |  |  | NSCALE |
|  |  |  |  |  |  |  |
| **6.3** | **AoB for Rel-18** |  |  |  |  | TEI18, … |
| **6.3.1** | **TEI18** |  |  |  |  | TEI18 |
|  | **Plenary** | [1051](./docs/C4-241051.zip) | CR 29.518 1047 Rel-18 Add EMM Registration Status in UE Context | ZTE | Postponed | WI TEI18, 5GS\_Ph1-CT  CAT F  Need to check with CT1 whether during periodic REGISTRATION procedure the UE will also include the indication |
|  |  | [1371](./docs/C4-241371.zip) | LS out LS on Clarification on dual registration status indication | ZTE |  | To: CT1  CC: SA2 |
|  | **Main** | [1052](./docs/C4-241052.zip) | CR 29.244 0837 Rel-18 PFCP session deletion when new SMF takes over the PDU session | ZTE | Revised to C4-241398 | WI TEI18, CUPS  CAT F  Bruno/Frank: reason for change needs to be improved |
|  |  | [1398](./docs/C4-241398.zip) | CR 29.244 0837 Rel-18 PFCP session deletion when new SMF takes over the PDU session | ZTE |  |  |
|  | **Plenary** | [1061](./docs/C4-241061.zip) | CR 29.571 0538 Rel-18 Update the 5G Trace to support UE level measurement | China Mobile | Revised to C4-241372 | WI TEI18  CAT B  Overlapping with 1276, 1084 |
|  |  | [1372](./docs/C4-241372.zip) | CR 29.571 0538 Rel-18 Update the 5G Trace to support UE level measurement | China Mobile, Nokia, Huawei |  |  |
|  |  | [1373](./docs/C4-241373.zip) | LS out LS on 5G Trace to support UE level measuremen | China Mobile |  | To: SA5  CC: CT3 |
|  | **Plenary** | [1084](./docs/C4-241084.zip) | CR 29.571 0539 Rel-18 Extend Trace for UE level measurements collection | Nokia | Merged to C4-241372 | WI SBIProtoc18  CAT F |
|  | **Plenary** | [1062](./docs/C4-241062.zip) | CR 29.503 1236 Rel-18 Update the 5G Trace to support UE level measurement | China Mobile | Revised to C4-241374 | WI TEI18  CAT B |
|  |  | [1374](./docs/C4-241374.zip) | CR 29.503 1236 Rel-18 Update the 5G Trace to support UE level measurement | China Mobile |  |  |
|  |  | 1063 | CR 29.502 0761 Rel-18 Update the 5G Trace to support UE level measurements | China Mobile | revised to C4-241222 | Revision of C4-241222  WI TEI18  CAT B |
|  | **Plenary** | [1222](./docs/C4-241222.zip) | CR 29.502 0761 Rel-18 Update the 5G Trace to support UE level measurement | China Mobile | Postponed | WI TEI18  CAT B  Wait for reply to 1373 from SA5 |
|  | **Plenary** | [1088](./docs/C4-241088.zip) | discussion Rel-18 Shared VN Group Data | Nokia | Noted |  |
|  | **Plenary** | [1089](./docs/C4-241089.zip) | CR 29.503 1219 Rel-18 SharedVnGroupDataIds | Nokia | Revised to C4-241375 | WI Vertical\_LAN, TEI18  CAT F |
|  |  | [1375](./docs/C4-241375.zip) | CR 29.503 1219 Rel-18 SharedVnGroupDataIds | Nokia |  |  |
|  | **Main** | [1099](./docs/C4-241099.zip) | CR 29.244 0797 Rel-18 MBS data usage reporting over N4mb for MBS charging | Nokia, Ericsson | Agreed | WI TEI18, 5MBS\_CH  CAT B |
|  | **Main** | [1100](./docs/C4-241100.zip) | CR 29.244 0798 Rel-18 MBS data usage reporting over N4 for MBS charging | Nokia, Ericsson | Agreed | WI TEI18, 5MBS\_CH  CAT B |
|  | **Main** | [1101](./docs/C4-241101.zip) | CR 29.532 0089 Rel-18 Definition of MBS related terms | Nokia | Revised to C4-241399 | WI TEI18, 5MBS  CAT F |
|  |  | [1399](./docs/C4-241399.zip) | CR 29.532 0089 Rel-18 Definition of MBS related terms | Nokia | Agreed |  |
|  | **Plenary** | [1102](./docs/C4-241102.zip) | CR 29.274 2104 Rel-18 IEs in Create Session Request/Response during the restoration of a PDN connection after a PGW-C/SMF change | Nokia | Postponed | WI TEI18, RPCPSET  CAT F  Frank provided extensive comments |
|  | **Plenary** | [1125](./docs/C4-241125.zip) | CR 29.510 0989 Rel-18 Add the nlmf\_broadcast service to the service name list | Nokia | Agreed | WI TEI18  CAT F |
|  | **Main** | [1126](./docs/C4-241126.zip) | CR 29.518 1056 Rel-18 Clarify the semantics of the S-NSSAI and the NSI in the AmfEventArea datatype | Nokia | Revised to C4-241483 | WI TEI18  CAT F |
|  |  | [1483](./docs/C4-241483.zip) | CR 29.518 1056 Rel-18 Clarify the semantics of the S-NSSAI and the NSI in the AmfEventArea datatype | Nokia |  |  |
|  | **Plenary** | [1127](./docs/C4-241127.zip) | CR 29.573 0168 Rel-18 N32-f N32-c correlation | Nokia, Verizon | Revised to C4-241392 | WI TEI18  CAT F  There is an agreement to have some solution to be agreed in R18.  The discussion is on in which HTTP component the information is to be put |
|  |  | [1392](./docs/C4-241392.zip) | CR 29.573 0168 Rel-18 N32-f N32-c correlation | Nokia, Verizon, Vodafone |  |  |
|  | **Main** | [1139](./docs/C4-241139.zip) | CR 29.531 0200 Rel-18 Miscellaneous corrections | Nokia | Merged to C4-241484 | WI TEI18  CAT F  Overlapping with 1287 |
|  | **Breakout** | [1141](./docs/C4-241141.zip) | CR 23.003 0698 Rel-18 Clarification on NAI format for Anonymous SUPI in 5G-NSWO in SNPN access mode. | Ericsson | Agreed | WI TEI18, eNPN\_Ph2  CAT F |
|  | **Breakout** | [1142](./docs/C4-241142.zip) | CR 23.003 0699 Rel-18 NAI format for anonymous SUCI with modified username for trusted non-3GPP access connected to 5GCN of an SNPN | Ericsson | Agreed | WI TEI18, eNPN\_Ph2  CAT F |
|  | **Breakout** | [1143](./docs/C4-241143.zip) | CR 29.503 1241 Rel-18 Modification of CP-SOR (SOR-SNPN-SI) Information for SNPNs | Ericsson | Revised to C4-241437 | WI TEI18, eNPN\_Ph2  CAT F |
|  |  | [1437](./docs/C4-241437.zip) | CR 29.503 1241 Rel-18 Modification of CP-SOR (SOR-SNPN-SI) Information for SNPNs | Ericsson | Postponed |  |
|  | **Breakout** | [1144](./docs/C4-241144.zip) | CR 29.503 1242 Rel-18 Delimiting the GPSI values to be fetched to UDM | Ericsson | Revised to C4-241438 | WI TEI18, EDGEAPP  CAT F |
|  |  | [1438](./docs/C4-241438.zip) | CR 29.503 1242 Rel-18 Delimiting the GPSI values to be fetched to UDM | Ericsson | Agreed |  |
|  | **Breakout** | [1151](./docs/C4-241151.zip) | CR 29.572 0251 Rel-18 Corrections on Local Origin | Ericsson | Revised to C4-241439 | WI TEI18, 5G\_eLCS\_ph2  CAT F |
|  |  | [1439](./docs/C4-241439.zip) | CR 29.572 0251 Rel-18 Corrections on Local Origin | Ericsson |  | To be discussed again when Mamdoh is present in the meeting. |
|  | **Plenary** | [1163](./docs/C4-241163.zip) | CR 23.015 0027 Rel-18 AMF Determined PDU Session Establishment Rejection Due to ODB | Ericsson | Revised to C4-241376 | WI TEI18  CAT F |
|  |  | [1376](./docs/C4-241376.zip) | CR 23.015 0027 Rel-18 AMF Determined PDU Session Establishment Rejection Due to ODB | Ericsson |  | Bruno and Caixia to provide some oflline comments on wording |
|  | **Main** | [1164](./docs/C4-241164.zip) | CR 29.502 0767 Rel-18 Correction on Handover Failure Handling | Ericsson | Revised to C4-241485 | WI TEI18  CAT F  Bruno to provide oflline comments |
|  |  | [1485](./docs/C4-241485.zip) | CR 29.502 0767 Rel-18 Correction on Handover Failure Handling | Ericsson |  |  |
|  | **Main** | [1165](./docs/C4-241165.zip) | CR 29.502 0768 Rel-18 Correction on Status Notification for Duplicate PDU Sessions | Ericsson | Revised to C4-241486 | WI TEI18  CAT F  Caixia: during HO, the ePDG will retrieve SM context from UDM and knows the SMF  Jones: if the UE establish a new PDU session and uses the same PDU session ID  Bruno/Caixia: why does UE do so? |
|  |  | [1486](./docs/C4-241486.zip) | CR 29.502 0768 Rel-18 Correction on Status Notification for Duplicate PDU Sessions | Ericsson |  |  |
|  | **Breakout** | [1166](./docs/C4-241166.zip) | CR 29.503 1243 Rel-18 Correction of SMF Deregisrtation | Ericsson | Revised to C4-241440 | WI TEI18  CAT F  Hao: Scenario needs to be discussed along with 1165. |
|  |  | [1440](./docs/C4-241440.zip) | CR 29.503 1243 Rel-18 Correction of SMF Deregisrtation | Ericsson |  |  |
|  | **Plenary** | [1167](./docs/C4-241167.zip) | CR 29.510 0991 Rel-18 Incorrect IE Name in Default Notification Subscription Data Type | Ericsson | Agreed | WI TEI18  CAT F |
|  | **Plenary** | [1168](./docs/C4-241168.zip) | CR 29.510 0992 Rel-18 Support of Emergency Sessions continuity during inter-PLMN mobility | Ericsson | Withdrawn | WI TEI18  CAT F |
|  | **Main** | [1169](./docs/C4-241169.zip) | CR 29.518 1065 Rel-18 Encoding for Binary NGAP IE with Contents Constraint and Unconstrianed OCTET STRING type | Ericsson | Open | WI TEI18  CAT F |
|  | **Main** | [1170](./docs/C4-241170.zip) | CR 29.518 1066 Rel-18 UE ID Usage for UE Related Resources | Ericsson | Revised to C4-241487 | WI TEI18  CAT F |
|  |  | [1487](./docs/C4-241487.zip) | CR 29.518 1066 Rel-18 UE ID Usage for UE Related Resources | Ericsson |  |  |
|  | **Breakout** | [1171](./docs/C4-241171.zip) | CR 29.572 0254 Rel-18 Resolving OpenAPI Warning | Ericsson | Revised to C4-241441 | WI TEI18  CAT F  Mamdoh to participate in discussion later in the afternoon.  Title and reason for change should be changed, as OpenAPI Warning is only a part of the tool we are now using, and should be generic expression. |
|  |  | [1441](./docs/C4-241441.zip) | CR 29.572 0254 Rel-18 Correction on Missed Description Fields in OpenAPI and Enum Naming Convention | Ericsson |  | Title changed |
|  | **Breakout** | [1178](./docs/C4-241178.zip) | CR 29.555 0022 Rel-18 Update the output parameters of MonitorAuthDataForRestricted | CATT | Merged to C4-241419 | WI TEI18, 5G\_ProSe  CAT F  Notes described in 1154 is updated as it referred to wrong number. |
|  | **Breakout** | [1205](./docs/C4-241205.zip) | CR 29.503 1248 Rel-18 Clarification on URI Path Segment Naming Conventions | Huawei | Agreed | WI TEI18  CAT F |
|  | **Breakout** | [1206](./docs/C4-241206.zip) | CR 29.503 1249 Rel-18 Editorial corrections | Huawei | Revised to C4-241442 | WI TEI18  CAT D |
|  |  | [1442](./docs/C4-241442.zip) | CR 29.503 1249 Rel-18 Editorial corrections | Huawei | Agreed | CR category should be changed to D.  WOP |
|  | **Breakout** | [1207](./docs/C4-241207.zip) | CR 29.503 1250 Rel-18 Style Corrections of Nudm\_SDM API | Huawei | Revised to C4-241443 | WI TEI18  CAT F |
|  |  | [1443](./docs/C4-241443.zip) | CR 29.503 1250 Rel-18 Style Corrections of Nudm\_SDM API | Huawei | Revised to C4-241470 | Change other comments, the reference to 29.505 to 29.504 |
|  |  | [1470](docs/C4-241470.zip) | CR 29.503 1250 Rel-18 Style Corrections of Nudm\_SDM API | Huawei | Agreed |  |
|  | **Breakout** | [1208](./docs/C4-241208.zip) | CR 29.503 1251 Rel-18 Update on the reference of ncrOperationAllowed | Huawei | Revised to C4-241444 | WI TEI18  CAT F  Aspect covered in 1089.  To have 1089 delete this aspect, and author of 1089 will cosign this one. (is already revised to 1375)  Category to be changed to D. |
|  |  | [1444](./docs/C4-241444.zip) | CR 29.503 1251 Rel-18 Update on the reference of ncrOperationAllowed | Huawei, Nokia | Agreed | WOP |
|  | **Breakout** | [1209](./docs/C4-241209.zip) | CR 29.504 0268 Rel-18 New feature AccessAndMobilityPolicyDataModify for Policy Data | Huawei | Revised to C4-241445 | WI TEI18  CAT F |
|  |  | [1445](./docs/C4-241445.zip) | CR 29.504 0268 Rel-18 New feature AccessAndMobilityPolicyDataModify for Policy Data | Huawei | Agreed | Pending due to CT3 discussion.  As the CR dependency is mentioned, CT4 can move ahead. |
|  | **Breakout** | [1210](./docs/C4-241210.zip) | CR 29.509 0215 Rel-18 Style Corrections of Nausf API API | Huawei | Revised to C4-241446 | WI TEI18  CAT F  Title changed.  Coversheet to express all affected APIs  To check the meaning of description where it says:  description: >  'URI : /{eapSessionUri}, a map(list of key-value pairs)  where member serves as key' |
|  |  | [1446](./docs/C4-241446.zip) | CR 29.509 0215 Rel-18 Style Corrections of Nausf API API | Huawei | Revised to C4-241471 |  |
|  |  | [1471](docs/C4-241471.zip) | CR 29.509 0215 Rel-18 Style Corrections of Nausf API API | Huawei |  |  |
|  | **Breakout** | [1211](./docs/C4-241211.zip) | CR 29.515 0173 Rel-18 Editorial corrections | Huawei | Revised to C4-241447 | WI TEI18  CAT D |
|  |  | [1447](./docs/C4-241447.zip) | CR 29.515 0173 Rel-18 Editorial corrections | Huawei | Agreed | WOP |
|  | **Breakout** | [1212](./docs/C4-241212.zip) | CR 29.515 0174 Rel-18 Style Corrections of Nlmf\_Location API | Huawei | Revised to C4-241448 | WI TEI18  CAT F |
|  |  | [1448](./docs/C4-241448.zip) | CR 29.515 0174 Rel-18 Style Corrections of Nlmf\_Location API | Huawei | Agreed |  |
|  | **Breakout** | [1213](./docs/C4-241213.zip) | CR 29.555 0023 Rel-18 Clarification on URI Path Segment Naming Conventions | Huawei | Revised to C4-241449 | WI TEI18  CAT F |
|  |  | [1449](./docs/C4-241449.zip) | CR 29.555 0023 Rel-18 Clarification on URI Path Segment Naming Conventions | Huawei | Agreed | Clausses affected to be corrected  WOP |
|  | **Breakout** | [1214](./docs/C4-241214.zip) | CR 29.559 0039 Rel-18 Clarification on URI Path Segment Naming Conventions | Huawei | Revised to C4-241450 | WI TEI18  CAT F |
|  |  | [1450](./docs/C4-241450.zip) | CR 29.559 0039 Rel-18 Clarification on URI Path Segment Naming Conventions | Huawei | Agreed | Clausses affected to be corrected  WOP |
|  | **Breakout** | [1215](./docs/C4-241215.zip) | CR 29.572 0258 Rel-18 Editorial corrections | Huawei | Revised to C4-241451 | WI TEI18  CAT D |
|  |  | [1451](./docs/C4-241451.zip) | CR 29.572 0258 Rel-18 Correction on the Location Related Parameters | Huawei | Agreed | Need more meaningful title than editorial corrections. And Cat change to D |
|  | **Breakout** | [1216](./docs/C4-241216.zip) | CR 29.572 0259 Rel-18 Misalignment on AddEventNotifyDatas | Huawei | Agreed | WI TEI18  CAT F |
|  | **Breakout** | [1217](./docs/C4-241217.zip) | CR 29.572 0260 Rel-18 Style Corrections of Nlmf\_Location API | Huawei | Revised to C4-241452 | WI TEI18  CAT F |
|  |  | [1452](./docs/C4-241452.zip) | CR 29.572 0260 Rel-18 Style Corrections of Nlmf\_Location API | Huawei | Agreed |  |
|  | **Breakout** | [1218](./docs/C4-241218.zip) | CR 29.598 0075 Rel-18 Style Corrections of Nudsf API API | Huawei | Revised to C4-241453 | WI TEI18  CAT F  At least to correct the CR title. And similar check on the impacted APIs. Provide more justification on removing the – from >- in the descriptoin part of attributes.  Jesus found some error in the 201 response, as the $ref is not in the right place.  In the 'RecordBodyDelete' and 'BlockBody' section, the style of description is not correct, need to remove the -. |
|  |  | [1453](./docs/C4-241453.zip) | CR 29.598 0075 Rel-18 Style Corrections of Nudsf API API | Huawei | Revised to C4-241472 |  |
|  |  | [1472](docs/C4-241472.zip) | CR 29.598 0075 Rel-18 Style Corrections of Nudsf API | Huawei | Agreed | WOP |
|  | **Plenary** | [1223](./docs/C4-241223.zip) | CR 23.527 0076 Rel-18 Restoration procedures for a PDU Session with Dual Connectivity | Ericsson | Revised to C4-241377 | WI TEI18  CAT F  Bruno: ok with using PDU session modification, not OK with PDU session release. |
|  |  | [1377](./docs/C4-241377.zip) | CR 23.527 0076 Rel-18 Restoration procedures for a PDU Session with Dual Connectivity | Ericsson | Revised to C4-241500 |  |
|  |  | [1500](./docs/C4-241500.zip) | CR 23.527 0076 Rel-18 Restoration procedures for a PDU Session with Dual Connectivity | Ericsson |  |  |
|  |  | [1378](./docs/C4-241378.zip) | LS out LS on Restoration procedures for a PDU Session with Dual Connectivity | Ericsson | Revised to C4-241501 | To: RAN3  CC: |
|  |  | [1501](./docs/C4-241501.zip) | LS out LS on Restoration procedures for a PDU Session with Dual Connectivity | Ericsson |  |  |
|  | **Main** | [1226](./docs/C4-241226.zip) | CR 29.244 0844 Rel-18 User Plane Inactivity Timer after the User Plane Inactivity Report is sent | Ericsson | Revised to C4-241480 | WI TEI18  CAT F |
|  |  | [1480](./docs/C4-241480.zip) | CR 29.244 0844 Rel-18 User Plane Inactivity Timer after the User Plane Inactivity Report is sent | Ericsson | Agreed |  |
|  | **Main** | [1228](./docs/C4-241228.zip) | CR 29.244 0845 Rel-18 Updating User Plane Inactivity Timer | Ericsson | Revised to C4-241481 | WI TEI18, eNS\_Ph3  CAT F |
|  |  | [1481](./docs/C4-241481.zip) | CR 29.244 0845 Rel-18 Updating User Plane Inactivity Timer | Ericsson | Agreed |  |
|  | **Breakout** | [1236](./docs/C4-241236.zip) | CR 29.503 1253 Rel-18 Update the Nudm\_EventExposure\_Subscribe for AKMA service | China Mobile | Revised to C4-241454 | WI TEI18  CAT B |
|  |  | [1454](./docs/C4-241454.zip) | CR 29.503 1253 Rel-18 Update the Nudm\_EventExposure\_Subscribe for AKMA service | China Mobile | Revised to C4-241473 | Need to offline check with SA3 to confirm the reason on add SUPI to the interface.  And need to correct the regular expression in the OpenAPI. |
|  |  | [1473](docs/C4-241473.zip) | CR 29.503 1253 Rel-18 Update the Nudm\_EventExposure\_Subscribe for AKMA service | China Mobile | Agreed | WOP |
|  | **Breakout** | [1237](./docs/C4-241237.zip) | CR 29.509 0216 Rel-18 Definition of ProseAuthData | Ericsson | Revised to C4-241455 | WI 5G\_ProSe, TEI18  CAT F |
|  |  | [1455](./docs/C4-241455.zip) | CR 29.509 0216 Rel-18 Definition of ProseAuthData | Ericsson | Agreed | Need to remove the cadinality column in the table.  WOP |
|  | **Breakout** | [1238](./docs/C4-241238.zip) | CR 29.503 1254 Rel-18 Definition of ProseAuthenticationVectors | Ericsson | Agreed | WI 5G\_ProSe, TEI18  CAT F |
|  | **Main** | [1246](./docs/C4-241246.zip) | CR 29.518 1070 Rel-18 Resolving the case of conflicting Target identifiers in the event subscription | Huawei | Revised to C4-241482 | WI TEI18  CAT F |
|  |  | [1482](./docs/C4-241482.zip) | CR 29.518 1070 Rel-18 Resolving the case of conflicting Target identifiers in the event subscription | Huawei |  |  |
|  | **Main** | [1248](./docs/C4-241248.zip) | CR 29.518 1071 Rel-18 Clarification on NRPPa NGAP IE | Huawei, ZTE, China Telecom, China Mobile | Open | WI TEI18  CAT F  Overlapping with 1169 |
|  | **Plenary** | [1280](./docs/C4-241280.zip) | CR 23.003 0700 Rel-18 Structure of W-APN, FQDN and HA-APN | Huawei |  | WI TEI18  CAT F |
|  | **Main** | [1281](./docs/C4-241281.zip) | CR 29.244 0852 Rel-18 Add MB-SMF and MB-UPF to NodeID over N4mb | Huawei | Revised to C4-241488 | WI TEI18  CAT F |
|  |  | [1488](./docs/C4-241488.zip) | CR 29.244 0852 Rel-18 Add MB-SMF and MB-UPF to NodeID over N4mb | Huawei, Nokia, Ericsson | Agreed | The only changes are to correct the typo and add spporting companies  WOP |
|  | **Main** | [1282](./docs/C4-241282.zip) | CR 29.244 0853 Rel-18 Corrections on IE definition | Huawei | Agreed | WI TEI18  CAT F |
|  | **Main** | [1283](./docs/C4-241283.zip) | CR 29.502 0773 Rel-18 Correction on application errors of insufficient resource | Huawei | Agreed | WI TEI18  CAT F |
|  | **Main** | [1284](./docs/C4-241284.zip) | CR 29.502 0774 Rel-18 Correction on SupportedFeatures | Huawei | Open | WI TEI18  CAT F  Bruno: whether the change is really needed? |
|  | **Main** | [1285](./docs/C4-241285.zip) | CR 29.502 0775 Rel-18 Release the PDU Session when S-NSSAI is not supported via ReleaseSMContext | Huawei | Agreed | WI TEI18  CAT F |
|  | **Plenary** | [1286](./docs/C4-241286.zip) | CR 29.526 0085 Rel-18 Miscellaneous corrections | Huawei | Revised to C4-241379 | WI TEI18  CAT F |
|  |  | [1379](./docs/C4-241379.zip) | CR 29.526 0085 Rel-18 Miscellaneous corrections | Huawei | Agreed | The only change is to replace “payload“ with “content“  WOP |
|  | **Main** | [1287](./docs/C4-241287.zip) | CR 29.531 0201 Rel-18 Miscellaneous corrections | Huawei | Revised to C4-241484 | WI TEI18  CAT F |
|  |  | [1484](./docs/C4-241484.zip) | CR 29.531 0201 Rel-18 Miscellaneous corrections | Huawei, Nokia |  |  |
|  | **Main** | [1288](./docs/C4-241288.zip) | CR 29.556 0038 Rel-18 Correction on data type names of IPv4Addr and IPv6Addr | Huawei | Agreed | WI TEI18  CAT F |
|  | **Main** | [1289](./docs/C4-241289.zip) | CR 29.564 0093 Rel-18 Correction of Nupf\_GetUEPrivateIPaddrAndIdentifiers API | Huawei | Moved to 6.1.10 | WI UPEAS  CAT F |
| **6.3.2** | **Roaming5G** |  |  |  |  | Roaming5G, TEI18 |
|  | **Plenary** | [1128](./docs/C4-241128.zip) | CR 29.573 0182 Rel-18 EN on handling the applicative errors for termination of session and deregistration of the UE by RI | Nokia | Agreed | WI Roaming5G  CAT F |
|  | **Plenary** | [1129](./docs/C4-241129.zip) | CR 29.573 0183 Rel-18 EN on the clash of the message ID created by the RI and any messages initiated by the c-SEPP | Nokia | Revised to C4-241496 | WI Roaming5G  CAT F |
|  |  | [1496](./docs/C4-241496.zip) | CR 29.573 0183 Rel-18 EN on the clash of the message ID created by the RI and any messages initiated by the c-SEPP | Nokia |  |  |
|  | **Plenary** | [1130](./docs/C4-241130.zip) | CR 29.573 0184 Rel-18 N32-f connection and/or N32-f context termination initiated by Roaming Intermediary | Nokia | Revised to C4-241340 | WI Roaming5G, TEI18  CAT F |
|  |  | [1340](./docs/C4-241340.zip) | CR 29.573 0184 Rel-18 N32-f connection and/or N32-f context termination initiated by Roaming Intermediary | Nokia |  |  |
|  |  | 1131 | CR 29.573 0185 Rel-18 Keeping an N32-f connection alive | Nokia | Withdrawn | WI Roaming5G  CAT F |
|  | **Plenary** | [1132](./docs/C4-241132.zip) | CR 29.573 0186 Rel-18 Support of Modified PRINS in earlier releases | Nokia | Revised to C4-241341 | WI Roaming5G  CAT F |
|  |  | [1341](./docs/C4-241341.zip) | CR 29.573 0186 Rel-18 Support of Modified PRINS in earlier releases | Nokia |  |  |
|  |  | 1133 | LS out Rel-18 Reply LS on N32-f lifetime and reconnection | Nokia | Withdrawn | C4-241015  To: GSMA 5GMRR, SA3  CC: |
|  | **Plenary** | [1134](./docs/C4-241134.zip) | LS out Rel-18 Reply LS on N32-f N32-c correlation | Nokia |  | C4-241016  To: GSMA 5GMRR  CC: SA3 |
|  | **Plenary** | [1135](./docs/C4-241135.zip) | LS out Rel-18 Reply LS on the Modified PRINS solution | Nokia | Revised to C4-241342 | C4-241033  To: 3GPP SA, GSMA 5GMRR  CC: SA3, SA1, SA2, CT |
|  |  | [1342](./docs/C4-241342.zip) | LS out Rel-18 Reply LS on the Modified PRINS solution | Nokia |  |  |
|  | **Plenary** | [1136](./docs/C4-241136.zip) | LS out Rel-18 Reply LS on nested JSON structures | Nokia | Revised to C4-241343 | C4-241017  To: GSMA 5GMRR  CC: SA3 |
|  |  | [1343](./docs/C4-241343.zip) | LS out Rel-18 Reply LS on nested JSON structures | Nokia |  |  |
|  | **Plenary** | [1221](./docs/C4-241221.zip) | discussion 29.573 Rel-19 congestion, failure control over N32 | NTT DOCOMO, Inc | Noted | Bruno: we should be careful and to have more disucssion on the benefits and drawbacks of such kind of solutions  Jones: similar comments as Bruno  Mohamed: need further study on the solutions regarding routing |
|  | **Plenary** | [1263](./docs/C4-241263.zip) | CR 29.573 0188 Rel-18 Correcting the figure heading | Nokia | Agreed | WI Roaming5G  CAT F |
|  | **Plenary** | [1290](./docs/C4-241290.zip) | CR 29.500 0431 Rel-18 Replacing IPX with Roaming Intermediary | Huawei | Revised to C4-241344 | WI TEI18, Roaming5G  CAT F |
|  |  | [1344](./docs/C4-241344.zip) | CR 29.500 0431 Rel-18 Replacing IPX with Roaming Intermediary | Huawei | Agreed | The only changes are to revert the first change and to use full spelling of “Roaming Intermediary“ in the NOTE  WOP |
|  | **Plenary** | [1291](./docs/C4-241291.zip) | CR 29.573 0189 Rel-18 Corrections on modificationsBlock | Huawei | Agreed | WI TEI18, Roaming5G  CAT F |
|  | **Plenary** | [1292](./docs/C4-241292.zip) | CR 29.573 0190 Rel-18 Modification on the definition of Roaming Hub | Huawei | Revised to C4-241345 | WI TEI18, Roaming5G  CAT F |
|  |  | [1345](./docs/C4-241345.zip) | CR 29.573 0190 Rel-18 Modification on the definition of Roaming Hub | Huawei | Agreed | The only change is to remove the definition of IPX provider  WOP |
|  | **Plenary** | [1293](./docs/C4-241293.zip) | CR 29.573 0191 Rel-18 Replacing IPX with Roaming Intermediary | Huawei | Revised to C4-241346 | WI TEI18, Roaming5G  CAT F |
|  |  | [1346](./docs/C4-241346.zip) | CR 29.573 0191 Rel-18 Replacing IPX with Roaming Intermediary | Huawei |  |  |
|  | **Plenary** | [1294](./docs/C4-241294.zip) | CR 29.573 0192 Rel-18 Clarification on the usage of N32-f message ID | Huawei | Revised to C4-241347 | WI TEI18, Roaming5G  CAT F  Jones: does this CR impact the discussion on the clashing of message IDs? |
|  |  | [1347](./docs/C4-241347.zip) | CR 29.573 0192 Rel-18 Clarification on the usage of N32-f message ID | Huawei |  |  |
| **6.3.3** | **AoB of Rel-18** |  |  |  |  |  |
|  | **Plenary** | [1257](./docs/C4-241257.zip) | discussion Rel-18 Discussion paper on the need for IANA registration for 3GPP-defined JWT claims for 5GC and NBI | Huawei | Open | Consensus:  - The naming collision should be avoided  - Whether there is a chance for naming collision is for further checking during this week  - if there is a chance of naming collision (i.e. certain kind of registration is needed), IANA should be used |
| **6.3.4** | **Open API version and External docs** |  |  |  |  |  |
|  |  |  | 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 |
|  |  |  | 29.309 0 Rel18 API version and External doc update | Ericsson | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.502 0 Rel18 API version and External doc update | Nokia | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.503 0 Rel18 API version and External doc update | Nokia | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.504 0 Rel18 API version and External doc update | China Mobile | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.505 0 Rel18 External doc update | China Mobile | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.509 0 Rel18 API version and External doc update | Orange | Email approval | *CR possibly needed* Email approval |
|  |  |  | 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 |
|  |  |  | 29.518 0 Rel18 API version and External doc update | Ericsson | Email approval | *CR possibly needed* Email approval |
|  |  |  | 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 |
|  |  |  | 29.540 0 Rel18 API version and External doc update | ZTE | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.541 0 Rel18 API version and External doc update | Ericsson | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.542 0 Rel18 API version and External doc update | Ericsson | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.544 0 Rel18 API version and External doc update | Nokia | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.550 0 Rel18 API version and External doc update | Orange | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.553 0 Rel18 API version and External doc update | CATT | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.555 0 Rel18 API version and External doc update | CATT | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.556 0 Rel18 API version and External doc update | Huawei | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.559 0 Rel18 API version and External doc update | CATT | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.562 0 Rel18 API version and External doc update | Ericsson | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.563 0 Rel18 API version and External doc update | Ericsson | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.564 0 Rel18 API version and External doc update | China Mobile | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.571 0 Rel18 API version and External doc update | Huawei | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.572 0 Rel18 API version and External doc update | Ericsson | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.573 0 Rel18 API version and External doc update | Huawei | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.577 0 Rel18 API version and External doc update | Huawei | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.578 0 Rel18 API version and External doc update | Nokia | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.579 0 Rel18 API version and External doc update | China Telecom | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.581 0 Rel18 API version and External doc update | Samsung | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.586 0 Rel18 API version and External doc update | Xiaomi | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.598 0 Rel18 API version and External doc update | CISCO | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.673 0 Rel18 API version and External doc update | Ericsson | Email approval | *CR possibly needed* Email approval |
|  |  |  |  |  |  |  |
| **7** | **Release 17** |  |  |  |  |  |
| **7.1** | **CT4 Led WIs** |  |  |  |  |  |
| **7.1.1** | **Service based Interface protocol improvements** |  |  |  |  | SBIProtoc17 |
|  | **Plenary** | [1231](./docs/C4-241231.zip) | CR 29.518 1068 Rel-17 Content of JSON Patch requests | Ericsson | Revised to C4-241494 | WI SBIProtoc17  CAT F  Backward compatibility issue? |
|  |  | [1494](./docs/C4-241494.zip) | CR 29.518 1068 Rel-17 Content of JSON Patch requests | Ericsson |  |  |
|  | **Plenary** | [1232](./docs/C4-241232.zip) | CR 29.518 1069 Rel-18 Content of JSON Patch requests | Ericsson | Revised to C4-241495 | WI SBIProtoc17  CAT A |
|  |  | [1495](./docs/C4-241495.zip) | CR 29.518 1069 Rel-18 Content of JSON Patch requests | Ericsson |  |  |
| **7.1.2** | **BEst Practice of PFCP** |  |  |  |  | BEPoP |
|  |  |  |  |  |  |  |
| **7.1.3** | **Service-based support for SMS in 5GC** |  |  |  |  | SMS\_SBI |
|  |  |  |  |  |  |  |
| **7.1.4** | **CT aspects of Integration of GBA into SBA** |  |  |  |  | GBA\_5G |
|  |  |  |  |  |  |  |
| **7.1.5** | **Enhancement of Network Slicing Phase 2** |  |  |  |  | eNS\_Ph2 |
|  |  |  |  |  |  |  |
| **7.1.6** | **CT Aspects of 5G eEDGE** |  |  |  |  | eEDGE\_5GC |
|  |  |  |  |  |  |  |
| **7.1.7** | **CT aspects on Same PCF Selection For AMF and SMF** |  |  |  |  | TEI17\_SPSFAS |
|  |  |  |  |  |  |  |
| **7.1.8** | **Enhancement of Inter-PLMN Roaming** |  |  |  |  | EoIPR |
|  |  |  |  |  |  |  |
| **7.1.9** | **Restoration of PDN Connections in PGW-C/SMF S** |  |  |  |  | RPCPSET |
|  | **Main** | [1233](./docs/C4-241233.zip) | CR 29.274 2105 Rel-17 PGW Node Name In Create Session Response message | Ericsson, Nokia | Agreed | WI RPCPSET  CAT F |
|  | **Main** | [1234](./docs/C4-241234.zip) | CR 29.274 2106 Rel-18 PGW Node Name In Create Session Response message | Ericsson, Nokia | Agreed | WI RPCPSET  CAT A |
| **7.1.10** | **Start of Pause of Charging via User Plane** |  |  |  |  | SPOCUP |
|  |  |  |  |  |  |  |
| **7.1.11** | **Enhancement to the 5GC LoCation Services-Phase 2** |  |  |  |  | 5G\_eLCS\_ph2 |
|  | **Breakout** | [1145](./docs/C4-241145.zip) | CR 29.515 0165 Rel-17 Integrity Result | Ericsson | Agreed | WI 5G\_eLCS\_ph2  CAT F |
|  | **Breakout** | [1146](./docs/C4-241146.zip) | CR 29.515 0166 Rel-18 Integrity Result | Ericsson | Agreed | WI 5G\_eLCS\_ph2  CAT A |
|  | **Breakout** | [1147](./docs/C4-241147.zip) | CR 29.518 1058 Rel-17 Integrity Result | Ericsson | Agreed | WI 5G\_eLCS\_ph2  CAT F |
|  | **Breakout** | [1148](./docs/C4-241148.zip) | CR 29.518 1059 Rel-18 Integrity Result | Ericsson | Agreed | WI 5G\_eLCS\_ph2  CAT A |
|  | **Breakout** | [1149](./docs/C4-241149.zip) | CR 29.572 0249 Rel-17 Integrity Result | Ericsson | Revised to C4-241460 | WI 5G\_eLCS\_ph2  CAT F  Need new feature bit to control the functionality. |
|  |  | [1460](./docs/C4-241460.zip) | CR 29.572 0249 Rel-17 Integrity Result | Ericsson | Agreed |  |
|  | **Breakout** | [1150](./docs/C4-241150.zip) | CR 29.572 0250 Rel-18 Integrity Result | Ericsson | Revised to C4-241461 | WI 5G\_eLCS\_ph2  CAT A |
|  |  | [1461](./docs/C4-241461.zip) | CR 29.572 0250 Rel-18 Integrity Result | Ericsson | Agreed |  |
|  |  | [1151](./docs/C4-241151.zip) | CR 29.572 0251 Rel-18 Corrections on Local Origin | Ericsson | Moved to 6.3.1 | WI TEI18, 5G\_eLCS\_ph2  CAT F |
|  | **Breakout** | [1152](./docs/C4-241152.zip) | CR 29.572 0252 Rel-17 Missed Vertical Confidence in Local Location | Ericsson | Revised to C4-241462 | WI 5G\_eLCS\_ph2  CAT F  Clarify if only confidence attribute is present, then which value is carried. |
|  |  | [1462](./docs/C4-241462.zip) | CR 29.572 0252 Rel-17 Missed Vertical Confidence in Local Location | Ericsson | Agreed |  |
|  | **Breakout** | [1153](./docs/C4-241153.zip) | CR 29.572 0253 Rel-18 Missed Vertical Confidence in Local Location | Ericsson | Revised to C4-241463 | WI 5G\_eLCS\_ph2  CAT A |
|  |  | [1463](./docs/C4-241463.zip) | CR 29.572 0253 Rel-18 Missed Vertical Confidence in Local Location | Ericsson | Agreed |  |
| **7.1.12** | **CT aspects of Support of different slices over different Non3GPP access** |  |  |  |  | TEI17\_N3SLICE |
|  |  |  |  |  |  |  |
| **7.1.13** | **CT aspects of the architectural enhancements for 5G multicast-broadcast services** |  |  |  |  | 5MBS |
|  | **Main** | [1111](./docs/C4-241111.zip) | CR 29.518 1053 Rel-17 MBS service area in the EnableGroupReachabilityReqData | Ericsson | Agreed | WI 5MBS  CAT F |
|  | **Main** | [1112](./docs/C4-241112.zip) | CR 29.518 1054 Rel-18 MBS service area in the EnableGroupReachabilityReqData | Ericsson | Revised to C4-241493 | WI 5MBS  CAT A |
|  |  | [1493](./docs/C4-241493.zip) | CR 29.518 1054 Rel-18 MBS service area in the EnableGroupReachabilityReqData | Ericsson | Agreed | The only change is to correct the reason for change on coversheet  WOP |
| **7.1.14** | **Restoration of profiles related to UDR** |  |  |  |  | ReP\_UDR |
|  |  |  |  |  |  |  |
| **7.1.15** | **Enhancement on the GTP-U entity restart** |  |  |  |  | EGTPUR |
|  |  |  |  |  |  |  |
| **7.1.16** | **Port allocation** |  |  |  |  | Port\_AL |
|  |  |  |  |  |  |  |
| **7.1.17** | **Non-Seamless WLAN offload authentication in 5GS** |  |  |  |  | NSWO\_5G |
|  |  |  |  |  |  |  |
| **7.2** | **CT4 Supported WIs** |  |  |  |  |  |
| **7.2.1** | **Stage 3 of Multimedia Priority Service (MPS) Phase 2** |  |  |  |  | MPS2 |
|  |  |  |  |  |  |  |
| **7.2.2** | **Enhancement for the 5G Control Plane Steering of Roaming for UE in CONNECTED mode** |  |  |  |  | eCPSOR\_CON |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **7.2.3** | **Authentication and key management for applications based on 3GPP credential in 5G** |  |  |  |  | AKMA-CT |
|  |  |  |  |  |  |  |
| **7.2.4** | **CT aspects on Dynamically Changing AM Policies in the 5GC** |  |  |  |  | TEI17\_DCAMP |
|  |  |  |  |  |  |  |
| **7.2.5** | **CT aspects of proximity based services in 5GS** |  |  |  |  | 5G\_ProSe |
|  |  |  |  |  |  |  |
| **7.2.6** | **CT aspects on Dynamic Management of Group-based Event Monitoring** |  |  |  |  | TEI17\_GEM |
|  |  |  |  |  |  |  |
| **7.2.7** | **CT aspects of 5GC architecture for satellite networks** |  |  |  |  | 5GSAT\_ARCH-CT |
|  |  |  |  |  |  |  |
| **7.2.8** | **CT aspects for Support of Unmanned Aerial Systems Connectivity, Identification, and Tracking** |  |  |  |  | ID\_UAS |
|  |  |  |  |  |  |  |
| **7.2.9** | **CT aspects of Enabling Multi-USIM devices** |  |  |  |  | MUSIM |
|  |  |  |  |  |  |  |
| **7.2.10** | **CT aspects of Access Traffic Steering, Switch and Splitting support in the 5G system architecture; Phase 2** |  |  |  |  | ATSSS\_PH2 |
|  |  |  |  |  |  |  |
| **7.2.11** | **CT aspects of Enhanced support of Non-Public Networks** |  |  |  |  | eNPN |
|  |  |  |  |  |  |  |
| **7.2.12** | **CT aspects of enhanced support of industrial IoT** |  |  |  |  | IIoT |
|  |  |  |  |  |  |  |
| **7.2.13** | **Enablers for Network Automation for 5G - phase 2** |  |  |  |  | eNA\_PH2 |
|  |  |  |  |  |  |  |
| **7.2.14** | **System enhancement for redundant PDU session** |  |  |  |  | TEI17\_SE\_RPS |
|  |  |  |  |  |  |  |
| **7.2.15** | **CT Aspects ofMinimisation of service Interruption** |  |  |  |  | MINT |
|  | **Breakout** | [1082](./docs/C4-241082.zip) | CR 29.509 0213 Rel-17 Disaster Condition PLMN List | Nokia | Revised to C4-241456 | WI MINT  CAT F  To revert the removed text ... may be present … |
|  |  | [1456](./docs/C4-241456.zip) | CR 29.509 0213 Rel-17 Disaster Condition PLMN List | Nokia | Revised to C4-241474 |  |
|  |  | [1474](docs/C4-241474.zip) | CR 29.509 0213 Rel-17 Disaster Condition PLMN List | Nokia | Agreed |  |
|  | **Breakout** | [1083](./docs/C4-241083.zip) | CR 29.509 0214 Rel-18 Disaster Condition PLMN List | Nokia | Revised to C4-241457 | WI MINT  CAT A |
|  |  | [1457](./docs/C4-241457.zip) | CR 29.509 0214 Rel-18 Disaster Condition PLMN List | Nokia | Revised to C4-241475 |  |
|  |  | [1475](docs/C4-241475.zip) | CR 29.509 0214 Rel-18 Disaster Condition PLMN List | Nokia | Agreed |  |
| **7.2.16** | **CT aspects of Architecture Enhancement for NR Reduced Capability Devices** |  |  |  |  | ARCH\_NR\_REDCAP |
|  | **Breakout** | [1090](./docs/C4-241090.zip) | CR 29.503 1210 Rel-17 RAT specific Subscribed Paging Time Window length values | Nokia | Revised to C4-241458 | WI ARCH\_NR\_REDCAP  CAT F  Not directly change the description of ptwValue and extendedPtwValue since CT4 definition needs to be aligned with CT1 24.008. Instead, for the possibility to configure two PTW values one for NR and another for NR\_REDCAP, another way can be consider to extended the OperationMode to have another value for NR\_REDCAP. |
|  |  | [1458](./docs/C4-241458.zip) | CR 29.503 1210 Rel-17 RAT specific Subscribed Paging Time Window length values | Nokia |  | OPEN for Hao to check. |
|  | **Breakout** | [1091](./docs/C4-241091.zip) | CR 29.503 1211 Rel-18 RAT specific Subscribed Paging Time Window length values | Nokia | Revised to C4-241459 | WI ARCH\_NR\_REDCAP  CAT A |
|  |  | [1459](./docs/C4-241459.zip) | CR 29.503 1211 Rel-18 RAT specific Subscribed Paging Time Window length values | Nokia |  | OPEN for Hao to check. |
| **7.2.17** | **Enhancements of 3GPP profiles for cryptographic algorithms and security protocols** |  |  |  |  | eCryptP |
|  |  |  |  |  |  |  |
| **7.2.18** | **CT aspects of NB-IoT/eMTC Non-Terrestrial Networks in EPS** |  |  |  |  | IoT\_SAT\_ARCH\_EPS |
|  |  |  |  |  |  |  |
| **7.2.19** | **CT4 aspects of EDGEAPP** |  |  |  |  | EDGEAPP |
|  |  |  |  |  |  |  |
| **7.2.20** | **CT4 aspects of enhancement of RAN Slicing for NR** |  |  |  |  | NRslice |
|  |  |  |  |  |  |  |
| **7.3** | **AoB for Rel-17** |  |  |  |  | TEI17, … |
| **7.3.1** | **TEI17** |  |  |  |  | TEI17 |
|  |  |  |  |  |  |  |
| **7.3.2** | **AoB of Rel-17** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **7.3.3** | **Open API version and External docs** |  |  |  |  | TEI17 |
|  |  |  | 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 approval |
|  |  |  | 29.505 0 Rel17 External doc update | China Mobile | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.509 0 Rel17 API version and External doc update | Orange | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.510 0 Rel17 API version and External doc update | Ericsson | Email approval | *CR possibly needed* Email approval |
|  |  |  | 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 |
|  |  |  | 29.541 0 Rel17 API version and External doc update | Ericsson | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.542 0 Rel17 API version and External doc update | Ericsson | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.544 0 Rel17 API version and External doc update | Nokia | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.550 0 Rel17 API version and External doc update | Orange | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.553 0 Rel17 API version and External doc update | CATT | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.555 0 Rel17 API version and External doc update | CATT | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.556 0 Rel17 API version and External doc update | Huawei | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.559 0 Rel17 API version and External doc update | CATT | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.562 0 Rel17 API version and External doc update | Ericsson | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.563 0 Rel17 API version and External doc update | Ericsson | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.564 0 Rel17 API version and External doc update | China Mobile | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.571 0 Rel17 API version and External doc update | Huawei | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.572 0 Rel17 API version and External doc update | Ericsson | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.573 0 Rel17 API version and External doc update | Huawei | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.577 0 Rel17 API version and External doc update | Huawei | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.578 0 Rel17 API version and External doc update | Nokia | Email approval | *CR possibly needed* Email approval |
|  |  |  | 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 |
|  |  |  |  |  |  |  |
| **8** | **Release 16 and earlier** |  |  |  |  |  |
| **8.1** | **CT4 Led WIs** |  |  |  |  |  |
| **8.1.1** | **CT aspects on Enhancements to the Service-Based 5G System Architecture** |  |  |  |  | 5G\_eSBA |
|  |  |  |  |  |  |  |
| **8.1.2** | **CT aspects of Enhancing Topology of SMF and UPF in 5G Networks** |  |  |  |  | ETSUN |
|  |  |  |  |  |  |  |
| **8.1.3** | **CT aspects of Enhancement to the 5GC LoCation Services** |  |  |  |  | 5G\_eLCS |
|  |  |  |  |  |  |  |
| **8.1.4** | **CT Aspects of Media Handling for RAN Delay Budget Reporting in MTSI** |  |  |  |  | E2E\_DELAY |
|  |  |  |  |  |  |  |
| **8.1.5** | **User data interworking, Coexistence and Migration** |  |  |  |  | UDICOM |
|  |  |  |  |  |  |  |
| **8.1.6** | **Service based Interface protocol improvements** |  |  |  |  | SBIProtoc16 |
|  |  |  |  |  |  |  |
| **8.1.7** | **CT aspects of optimisations on UE radio capability signalling** |  |  |  |  | RACS |
|  | **Plenary** | [1242](./docs/C4-241242.zip) | CR 29.673 0054 Rel-16 Definition of UcmfNotification | Ericsson |  | WI RACS  CAT F |
|  | **Plenary** | [1250](./docs/C4-241250.zip) | CR 29.673 0055 Rel-17 Definition of UcmfNotification | Ericsson |  | WI RACS  CAT A |
|  | **Plenary** | [1251](./docs/C4-241251.zip) | CR 29.673 0056 Rel-18 Definition of UcmfNotification | Ericsson |  | WI RACS  CAT A |
| **8.1.8** | **CT aspect of single radio voice continuity from 5GS to 3G** |  |  |  |  | 5G\_SRVCC |
|  |  |  |  |  |  |  |
| **8.1.9** | **CT Aspects of 5G URLLC** |  |  |  |  | 5G\_URLLC |
|  |  |  |  |  |  |  |
| **8.1.10** | **SBA interactions between IMS and 5GC** |  |  |  |  | eIMS5G\_SBA |
|  |  |  |  |  |  |  |
| **8.1.11** | **Load and Overload Control of 5GC Service Based Interfaces** |  |  |  |  | LOLC |
|  |  |  |  |  |  |  |
| **8.1.12** | **5GS Enhanced support of OTA mechanism for configuration parameter update** |  |  |  |  | 5GS\_OTAF |
|  |  |  |  |  |  |  |
| **8.1.13** | **CT aspects of support for integrated access and backhaul** |  |  |  |  | IABARC-CT |
|  |  |  |  |  |  |  |
| **8.1.14** | **Nudsf Service Based Interface** |  |  |  |  | NUDSF |
|  |  |  |  |  |  |  |
| **8.1.15** | **Nsoraf Service Based Interface** |  |  |  |  | NSORAF |
|  |  |  |  |  |  |  |
| **8.2** | **CT4 Supported WIs** |  |  |  |  |  |
| **8.2.1** | **CT aspects on Enablers for Network Automation for 5G** |  |  |  |  | eNA |
|  |  |  |  |  |  |  |
| **8.2.2** | **CT aspects of Access Traffic Steering, Switch and Splitting support in 5G system** |  |  |  |  | ATSSS |
|  |  |  |  |  |  |  |
| **8.2.3** | **CT aspects of 5GS enhanced support of vertical and LAN services** |  |  |  |  | Vertical\_LAN |
|  |  |  |  |  |  |  |
| **8.2.4** | **CT aspects of Cellular IoT support and evolution for the 5G System** |  |  |  |  | 5G\_CIoT |
|  |  |  |  |  |  |  |
| **8.2.5** | **CT aspects on enhancement of network slicing** |  |  |  |  | eNS |
|  |  |  |  |  |  |  |
| **8.2.6** | **CT aspects of System enhancements for Provision of Access to Restricted Local Operator Services by Unauthenticated Ues** |  |  |  |  | PARLOS |
|  |  |  |  |  |  |  |
| **8.2.7** | **CT aspects on wireless and wireline convergence for the 5G system architecture** |  |  |  |  | 5WWC |
|  |  |  |  |  |  |  |
| **8.2.8** | **CT aspects of architecture enhancements for 3GPP support of advanced V2X services** |  |  |  |  | eV2XARC |
|  |  |  |  |  |  |  |
| **8.2.9** | **CT aspects of application layer support for V2X services** |  |  |  |  | V2XAPP |
|  |  |  |  |  |  |  |
| **8.2.10** | **CT aspects on Enhancement of 3GPP Northbound APIs** |  |  |  |  | eNAPIs |
|  |  |  |  |  |  |  |
| **8.2.11** | **CT aspects on 5G System - Phase 1** |  |  |  |  | 5GS\_Ph1-CT |
|  | **Plenary** | [1253](./docs/C4-241253.zip) | CR 29.572 0261 Rel-15 Definition of VelocityEstimate | Ericsson | Agreed | WI 5GS\_Ph1-CT  CAT F |
|  | **Plenary** | [1254](./docs/C4-241254.zip) | CR 29.572 0262 Rel-16 Definition of VelocityEstimate | Ericsson | Agreed | WI 5GS\_Ph1-CT  CAT A |
|  | **Plenary** | [1255](./docs/C4-241255.zip) | CR 29.572 0263 Rel-17 Definition of VelocityEstimate | Ericsson | Agreed | WI 5GS\_Ph1-CT  CAT A |
|  | **Plenary** | [1256](./docs/C4-241256.zip) | CR 29.572 0264 Rel-18 Definition of VelocityEstimate | Ericsson | Agreed | WI 5GS\_Ph1-CT  CAT A |
| **8.3** | **AoB for Rel-16 and earlier** |  |  |  |  | TEI16, TEI15, TEI14, ….. |
| **8.3.1** | **TEI16, TEI15…** |  |  |  |  | TEI16, TEI15, TEI14, …. |
|  | **Main** | [1058](./docs/C4-241058.zip) | CR 29.518 1049 Rel-16 Add GPSI as ueContextId in Namf\_Location\_ProvidePositionInfo | ZTE | Merged to C4-241490 | WI TEI16, 5GS\_Ph1-CT  CAT F |
|  | **Main** | [1059](./docs/C4-241059.zip) | CR 29.518 1050 Rel-17 Add GPSI as ueContextId in Namf\_Location\_ProvidePositionInfo | ZTE | Merged to C4-241491 | WI TEI16, 5GS\_Ph1-CT  CAT A |
|  | **Main** | [1060](./docs/C4-241060.zip) | CR 29.518 1051 Rel-18 Add GPSI as ueContextId in Namf\_Location\_ProvidePositionInfo | ZTE | Merged to C4-241492 | WI TEI16, 5GS\_Ph1-CT  CAT A |
|  | **Main** | [1160](./docs/C4-241160.zip) | CR 29.518 1062 Rel-16 Add GPSI to 5GC-MT-LR Procedure without UDM Query | Ericsson | Revised to C4-241490 | WI TEI16  CAT F |
|  |  | [1490](./docs/C4-241490.zip) | CR 29.518 1062 Rel-16 Add GPSI to 5GC-MT-LR Procedure without UDM Query | Ericsson, ZTE | Agreed | The only change is to add supporting company  WOP |
|  | **Main** | [1161](./docs/C4-241161.zip) | CR 29.518 1063 Rel-17 Add GPSI to 5GC-MT-LR Procedure without UDM Query | Ericsson | Revised to C4-241491 | WI TEI16  CAT A |
|  |  | [1491](./docs/C4-241491.zip) | CR 29.518 1063 Rel-17 Add GPSI to 5GC-MT-LR Procedure without UDM Query | Ericsson, ZTE | Agreed | The only change is to add supporting company  WOP |
|  | **Main** | [1162](./docs/C4-241162.zip) | CR 29.518 1064 Rel-18 Add GPSI to 5GC-MT-LR Procedure without UDM Query | Ericsson | Revised to C4-241492 | WI TEI16  CAT A |
|  |  | [1492](./docs/C4-241492.zip) | CR 29.518 1064 Rel-18 Add GPSI to 5GC-MT-LR Procedure without UDM Query | Ericsson, ZTE | Agreed | The only change is to add supporting company  WOP |
| **8.3.2** | **AoB of Rel-16 and earlier** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **8.3.3** | **Open API version and External docs** |  |  |  |  | TEI16 |
|  |  |  | 29.502 0 Rel16 API version and External doc update | Nokia | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.503 0 Rel16 API version and External doc update | Nokia | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.504 0 Rel16 API version and External doc update | China Mobile | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.505 0 Rel16 External doc update | China Mobile | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.509 0 Rel16 API version and External doc update | Orange | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.510 0 Rel16 API version and External doc update | Ericsson | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.511 0 Rel16 API version and External doc update | Deutsche Telekom | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.515 0 Rel16 API version and External doc update | CATT | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.518 0 Rel-16 API version and External doc update | Ericsson | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.526 0 Rel-16 API version and External doc update | ZTE | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.531 0 Rel-16 API version and External doc update | Huawei | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.540 0 Rel-16 API version and External doc update | ZTE | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.541 0 Rel-16 API version and External doc update | Ericsson | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.542 0 Rel-16API version and External doc update | Ericsson | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.544 0 Rel16 API version and External doc update | Nokia | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.550 0 Rel-16 API version and External doc update | Orange | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.562 0098 Rel-16 API version and External doc update | Ericsson | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.563 0 Rel-16 API version and External doc update | Ericsson | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.571 0 Rel-16 API version and External doc update | Huawei | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.572 0 Rel-16 API version and External doc update | Ericsson | Email approval | *CR possibly needed* Email approval |
|  |  |  | 29.573 0 Rel-16 API version and External doc update | Huawei | Email approval | *CR possibly needed* Email approval |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **9** | **Update of the Work Plan** |  |  |  |  |  |
|  |  | 1010 | Work Plan Work Plan | CT4 Chair |  |  |
| **10** | **AoB** |  |  |  |  |  |
| **10.1** | **Rel-19 Related Discussions** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **10.2** | **AoB** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **11** | **Future meetings** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **12** | **Check of Approved Output Documents** |  |  |  |  |  |
|  |  | 1011 | other Output Documents | CT4 Chair |  |  |
| **13** | **Closing of the Meeting**  **(16:00 Local time Friday)** |  |  |  |  |  |
|  |  |  |  |  |  |  |