**3GPP TSG CT WG1 Meeting#122** ***C1-200203***

**Electronic meeting, 20-28 February 2020**

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| Meeting documents by agenda item  Meeting: Meeting #122-e  Electronic meeting  20 - 28 February 20 20  **All indicated times are CET** | | | | | | | | | | |
| Cyan background means allocated but not available. | | | | | Yellow background means available but not yet treated document. | Green background means this document was agreed at a revious meeting in this plenary cycle. | | | | White background means that the document has been handled in the meeting and a decision has been made. |
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|  | | Additional Colour coding for Tdocs in the 1st row | | | | | | | | |
|  | | Late Papers | | | | | | | | |
|  | | Easy and uncontroversial papers – can be presented within 2 minutes | | | | | | | | |
|  | | Papers for common sessions | | | | | | | | |
|  | | Low Priority | | | | | | | | |
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| Agenda item | Agenda item title | | Tdoc | Title | | | Source | Spec | Result | |
|  | Opening & welcome | | Tdoc | Title | | | Source | Spec | Result | |
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|  |  | | **IPR Policy** Reminder to Individual Members and the persons making the technical proposals about their obligations under their respective Organizational Partners IPR Policy:  I draw your attention to your obligations under the 3GPP Partner Organizations' IPR policies. Every Individual Member organization is obliged to declare to the Partner Organization or Organizations of which it is a member any IPR owned by the Individual Member or any other organization which is or is likely to become essential to the work of 3GPP. | | | | | | | |
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|  |  | | **Antitrust & Competition** I also draw your attention to the fact that 3GPP activities are subject to all applicable antitrust and competition laws and that compliance with said laws is therefore required of any participant of this TSG/WG meeting including the Chairman and Vice Chairman. In case of question I recommend that you contact your legal counsel.  The leadership shall conduct the present meeting with impartiality and in the interests of 3GPP.  Furthermore, I would like to remind you that timely submission of work items in advance of TSG/WG meetings is important to allow for full and fair consideration of such matters. | | | | | | | |
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|  |  | | **Usage if WiFi**  During 3GPP meetings, IT support staff have noticed an increasing amount of RF pollution from private, ad hoc, wireless networks (Wi-Fi Direct, hot-spots hosted on mobile phones, …), and this gives rise to reduced throughput capability of the 3GPP WLAN. I would like to remind delegates to disable all such non-3GPP Wi-Fi networks while they are in the meeting rooms or adjacent areas. This will allow the quality of connection to the 3GPP Wi-Fi network which delegates have a right to expect. | | | | | | | |
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|  |  | | **Statement Regarding Engagement with Companies Added to the**  **U.S. Export Administration Regulations (EAR) Entity List in 3GPP Activities**  1. Public Information is Not Subject to EAR  3GPP is an open platform where all contributions (including technology protected or not by patent) made by the different Individual Members under the membership of each respective Organizational Partner are publicly available. Indeed, contributions by all and any Individual Members are uploaded to a public file server when received and then the documents are effectively in the public domain.  In addition, since membership of email distribution lists is open to all, documents and emails distributed by that means are considered to be publicly available.  As a result, information contained in 3GPP contributions, documents, and emails distributed at 3GPP meetings or by 3GPP email distribution lists, because it is made available to the public without restrictions upon its further dissemination, is not subject to the export restrictions of the EAR.  Meeting minutes are maintained for 3GPP meetings. Such meeting minutes for 3GPP meetings are made available to the public without restrictions upon its further dissemination. As a result, information, including information conveyed orally, contained in 3GPP meetings is not subject to the export restriction of the EAR; this would include information conveyed during side meetings that may occur during the main meetings, if these meetings are open to any participants and the results of all said meetings are publicly available without restrictions upon their further dissemination.  2. Non-Public Information  Non-public information refers to the information not contained or not intended to be contained in 3GPP contributions, documents or emails. Such non-public information may be disclosed during informal meetings, exchanges, discussions or any form of other communication outside the 3GPP meetings and email distribution lists, and may be subject to the EAR.  3. Other Information  Certain encryption software controlled under the International Traffic in Arms Regulations (ITAR), even if publicly available, may still be subject to US export controls other than the EAR.  4. Conduct of Meetings  The situation should be considered as "business as usual" during all the meetings called by 3GPP.  5. Responsibility of Individual Members  It should be remembered that contributions, meetings, exchanges, discussions or any form of other communication in or outside the 3GPP meetings are of the accountability, integrity and the responsibility of each Individual Member. In addition, Individual Members remain responsible for ensuring their compliance with all applicable export control regulations, including but not limited to EAR.  Individual Members with questions regarding the impact of laws and regulations on their participation in 3GPP should contact their companies’ legal counsels. | | | | | | | |
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|  |  | | Please remember:  - to perform the electronic registration before end-of-meeting  - to wear your badge | | | | | | | |
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|  | Agenda & Reports | | Tdoc | Title | | | Source | Doctype | Result & comments | |
|  |  | | C1-200275 | 3GPP TSG CT1#122 – agenda after Tdoc allocation deadline | | | CT1 chairman | agenda | Revision of C1-200200 | |
|  |  | | C1-200201 | 3GPP TSG CT1#122 – agenda after Tdoc allocation deadline | | | CT1 chairman | agenda |  | |
|  |  | | C1-200202 | 3GPP TSG CT1#122 – agenda with proposed LS-actions | | | CT1 chairman | agenda |  | |
|  |  | | C1-200203 | 3GPP TSG CT1#122 – agenda at start of meeting | | | CT1 chairman | agenda |  | |
|  |  | | C1-200204 | 3GPP TSG CT1#122 – agenda Thursday (27th Feb) evening | | | CT1 chairman | agenda |  | |
|  |  | | C1-200205 | 3GPP TSG CT1#122 – agenda at end of meeting | | | CT1 chairman | agenda |  | |
|  |  | | [C1-200307](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200307.zip) | draft C1-121 meeting report | | | MCC | report |  | |
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|  |  | |  |  | | |  |  | Highest number shown in the 0898 | |
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|  |  | | **Agenda**  1 Opening  2 Agenda and Reports  3 work organization  4 incoming LS Rel-16  **Rel-16:**  16.1.x Work items (4)  16.2.3 SAES16 (all aspects) (0) only revisions of CRs agreed in CT1#121bis-e and disc papers supporting LSs  16.2.4 5GProtoc16 (all aspects) (5) only revisions of CRs agreed in CT1#121bis-e and disc papers supporting LSs  16.2.21 Rel-16 non-IMS issues (0) only revisions of CRs agreed in CT1#121bis-e and disc papers supporting LSs  **Agenda Items from 16.2**  16.2.2 SINE\_5G (4)  16.2.5 ATSSS (28)  16.2.6 eNS (51)  16.2.7.x vertical-LAN (79)  16.2.8 5G\_CIoT (44)  16.2.9 5WWC (25)  16.2.11 5G\_eLCS (2)  16.2.14 RACS (16)  16.2.15 5G\_SRVCC (2)  16.2.16 xBDT (0)  16.2.17 IAB-CT (0)  16.2.18 5GS\_OTAF (0)  16.2.19 5G\_URLLC (2)  16.2.20 SEAL (51)  16.2.1 ePWS (5)  16.2.10 PARLOS (7)  16.2.12 V2XAPP (13)  16.2.13 eV2XARC (35)  **Agenda Items from 16.3**  16.3.1 MCCI\_CT (7)  16.3.2 MCProtoc16 (5)  16.3.5 MCSMI\_CT (0)  16.3.6 eMCDATA2 (19)  16.3.10 MONASTERY2 (8)  16.3.12 enh2MCPTT-CT (9)  16.3.3 MuD (15)  16.3.4 IMSProtoc16 (3)  16.3.7 E2E\_DELAY (0)  16.3.8 VBCLTE (0)  16.3.11 eIMS5G\_SBA (1)  16.3.13 eIMSVideo (8)  16.3.14 IMS/MC TEI16 (3)  18 outgoing LS Rel-16 | | | | | | | |
|  |  | |  | | | | | | | |
|  | Work organisation | | Tdoc | Title | | | Source | To / CC | Result & comments | |
|  | Meeting schedule | |  |  | | | | | | |
|  |  | |  | CT1 and CT plenary meeting dates. | | | | | | |
|  |  | |  | Date | | | Meeting | | Venue | |
|  |  | |  | *13 – 17 January* | | | [*CT1-Potential Ad-Hoc*](https://portal.etsi.org/webapp/MeetingCalendar/MeetingDetails.asp?m_id=36254) | | *cancelled* | |
|  |  | |  | 16 – 22 January | | | CT1#121bis-e | | Electronic Meeting | |
|  |  | |  | *24 – 28 February* | | | *CT1#122* | | *cancelled* | |
|  |  | |  | 20 – 28 February | | | CT1#122-e | | Electronic Meeting | |
|  |  | |  | 16 – 17 March 2020 | | | CT plenary #87 | | Jeju, Korea | |
|  |  | |  | 20 – 24 April | | | CT1#123 | | Dubrovnik, Croatia | |
|  |  | |  | 25 – 29 May | | | CT1#124 | | Dalian, China | |
|  |  | |  | 15 – 16 June 2020 | | | CT plenary #88 | | Malmö, Sweden | |
|  |  | |  | 13 – 17 July | | | [CT1-Potential Ad-Hoc](https://portal.etsi.org/webapp/MeetingCalendar/MeetingDetails.asp?m_id=36254) | | TBD | |
|  |  | |  | 24 – 28 August | | | CT1#125 | | US | |
|  |  | |  | 14 – 15 September 2020 | | | CT plenary #89 | | Funchal, Madeira | |
|  |  | |  | 12 – 16 October | | | CT1#126 | | India | |
|  |  | |  | 16 – 20 November | | | CT1#127 | | US | |
|  |  | |  | 7 – 8 December 2020 | | | CT plenary #90 | | NAF | |
|  |  | |  | 25 – 29 January 2021 | | | CT1#127bis | | tbd | |
|  |  | |  | 01- 05 March 2021 | | | CT1#128 | | tbd | |
|  |  | |  | 22 – 23 March 2021 | | | CT plenary #91 | | US | |
|  |  | |  | 19 – 23 April 2021 | | | CT1#129 | | tbd | |
|  |  | |  | 24 – 28 May 2021 | | | CT1#130 | | tbd | |
|  |  | |  | 14 – 15 June 2021 | | | CT plenary #91 | | Japan | |
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|  | Work Plan and other adm. issues | | Tdoc | Title | | | Source | Spec / doctype | Result & comments | |
|  |  | | [C1-200306](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200306.zip) | work plan | | | MCC | Work Plan |  | |
|  |  | | [C1-200312](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200312.zip) | CT1#122-e Electronic Meeting – Process and Scope | | | CT1 chairman | other |  | |
|  |  | |  |  | | |  |  |  | |
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|  |  | |  |  | | |  |  |  | |
|  | Input Liaison statements | | Tdoc | Title | | | Source | To / CC | Result & comments | |
|  |  | | [C1-200206](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200206.zip) | LS on usage of IMSI during 3GPP based authentication (C4-195574) | | | CT4 | Cc | Proposed Noted | |
|  |  | | [C1-200207](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200207.zip) | LS on user identity when 5G-AKA or EAP AKA’ is used for SNPN (C6-190468) | | | CT6 | To | Proposed Noted  SA3 reply in C1-200255 | |
|  |  | | [C1-200208](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200208.zip) | LS on Proposal to transfer the study on service-based support for SMS in 5GC to CT WGs (CP-193301) | | | TSG CT | Cc | Postponed  LS pertains to Rel-17 | |
|  |  | | [C1-200209](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200209.zip) | Reply LS to Transfer the study on service-based support for SMS in 5GC to CT WGs (SP-191362) | | | TSG SA | Cc | Postponed  LS pertains to Rel-17 | |
|  |  | | [C1-200210](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200210.zip) | Response to 3GPP S2-1910806 and S2-1912767 on Line ID (LIAISE-353) | | | Broadband Forum | To | Proposed Noted  SA2 has already handled the incoming LS | |
|  |  | | [C1-200211](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200211.zip) | General Status of Work (LIAISE-363à | | | Broadband Forum | To | Proposed tbd  Reply needed  Proposed LS out in C1-200309 | |
|  |  | | [C1-200212](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200212.zip) | LS on Testing and Certification of 3GPP Mission Critical features A GCF-TCCA Joint Approach to Develop and Manage MC Certification ( | | | TCCA | Cc | Proposed Noted | |
|  |  | | [C1-200213](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200213.zip) | Reply LS on QoE Measurement Collection (R2-1916328) | | | RAN2 | Cc | Proposed Noted | |
|  |  | | [C1-200214](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200214.zip) | Reply LS on NID structure and length (R2-1916344) | | | RAN2 | Cc | Proposed Noted  Related CR in C1-200334 | |
|  |  | | [C1-200215](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200215.zip) | CMAS/ETWS and emergency services for SNPNs (R2-1916345) | | | RAN2 | Cc | Proposed Noted | |
|  |  | | [C1-200216](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200216.zip) | Reply LS on Sending CAG ID in NAS layer (R2-1916349) | | | RAN2 | Cc | Proposed Noted  Related DP in C1-200335 and CR in C1-200337 | |
|  |  | | [C1-200217](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200217.zip) | Reply LS on Mobile-terminated Early Data Transmission (R2-1916368) | | | RAN2 | To | Proposed tbd  Proposed LS out in C1-200707  CR in C1-200368 | |
|  |  | | [C1-200218](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200218.zip) | Reply LS on assistance indication for WUS (R2-1916440) | | | RAN2 | To | Proposed Noted  Seems no reply needed | |
|  |  | | [C1-200219](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200219.zip) | Reply LS on PC5S and PC5 RRC unicast message protection (R2-1916461) | | | RAN2 | Cc | Proposed Noted | |
|  |  | | [C1-200220](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200220.zip) | LS on dependencies on AS design for mobility management aspects of NTN in 5GS (R2-1916470) | | | RAN2 | Cc | Proposed Noted  C1-200220 from RAN2 and C1-200269 from RAN3 are both replies to the same LS from SA2 (S2-1910786) | |
|  |  | | [C1-200221](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200221.zip) | LS on RRC establishment cause value in EPS voice fallback from NR to E-UTRAN (R2-1916530) | | | RAN2 | To | Proposed Posptoned  TEI16, potentially changes to 24.301 needed  Proposed LS out in C1-200710, LS out postponed | |
|  |  | | [C1-200222](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200222.zip) | LS on inter-RAT HO from SA to EN-DC (R2-1916600) | | | RAN2 | Cc | Proposed Noted | |
|  |  | | [C1-200223](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200223.zip) | LS on LS on system level design assumptions for satellite in 5GS (R2-1916620) | | | RAN2 | Cc | Proposed Noted  C1-200223 from RAN2 and C1-200269 from RAN3 are both replies to the same LS from SA2  (S2-1910787) | |
|  |  | | [C1-200224](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200224.zip) | Reply LS on extended NAS timers for CE in 5GS (R2-1916623) | | | RAN2 | To | Proposed tbd  Proposed LS out in C1-200717  Related CRs in C1-200383 - C1-200384 | |
|  |  | | [C1-200225](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200225.zip) | Reply LS on Sending CAG ID in NAS layer (R3-197591) | | | RAN3 | Cc | Proposed Noted  Related DP in C1-200335 and CR in C1-200337 | |
|  |  | | [C1-200226](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200226.zip) | LS on Concurrent Broadcasting for CMAS (R3-197749) | | | RAN3 | To | Postponed  LS pertains to Rel-15  Proposed LS out in C1-200764 | |
|  |  | | [C1-200227](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200227.zip) | Reply LS on UAC for NB-IOT (S1-193592) | | | SA1 | Cc | Proposed Noted  Is related at least to CRs in C1-200397, C1-200421, C1-200677 | |
|  |  | | [C1-200228](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200228.zip) | Reply LS on enhanced access control for IMS signalling (S1-193595) | | | SA1 | To | Proposed Noted  No action in the LS | |
|  |  | | [C1-200229](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200229.zip) | Reply LS on NSI requirements (S1-193596) | | | SA1 | Cc | Proposed Noted | |
|  |  | | [C1-200230](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200230.zip) | Reply LS on LS on PC5S and PC5 RRC unicast message protection (S2-1912002) | | | SA2 | Cc | Proposed Noted  Related CR in C1-200349 | |
|  |  | | [C1-200231](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200231.zip) | Reply LS on Enquiries on eV2XARC (S2-1912018) | | | SA2 | To | Proposed Noted  Related pCR in C1-200391  Related CR in C1-200349 | |
|  |  | | [C1-200232](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200232.zip) | Reply LS on SUCI computation from an NSI (S2-1912417) | | | SA2 | To | Proposed Noted  Are CRs available to this meeting? | |
|  |  | | [C1-200233](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200233.zip) | LS on PLMN selection solutions for satellite access (S2-1912551) | | | SA2 | To | Postponed  LS pertains to Rel-17 (FS\_5GSAT\_ARCH) although header of the LS incorrectly indicates Rel-16 | |
|  |  | | [C1-200234](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200234.zip) | Reply LS on applicability of the notification procedure in SNPNs (S2-1912601) | | | SA2 | To | Proposed tbd  Proposed LS out in C1-200718  Related CRs in C1-200504, C1-200505, C1-200333 | |
|  |  | | [C1-200235](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200235.zip) | LS on support of Control Plane CIoT 5GS Optimisation (S2-1912609) | | | SA2 | To | Proposed Noted  Are CRs available to this meeting? | |
|  |  | | [C1-200236](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200236.zip) | Reply LS on sending CAG ID during resume procedure (S2-1912731) | | | SA2 | To | Proposed Noted  No action for CT1 | |
|  |  | | [C1-200237](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200237.zip) | Reply LS on Rel-16 NB-IoT enhancements (S2-1912763) | | | SA2 | To | Proposed tbd  Reply Needed  Proposed LS out in C1-200499  Proposed LS out in C1-200416  Discussion paper in C1-200498  DP in C1-200417 | |
|  |  | | [C1-200238](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200238.zip) | Reply LS on clarification on the requirement for steering of roaming (S2-1912764) | | | SA2 | To | Proposed Postponed  CRs in CT1 likely needed, agenda item not in scope of this meeting | |
|  |  | | [C1-200239](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200239.zip) | LS on the support for ECN in 5GS (S2-1912765) | | | SA2 | Cc | Proposed Noted | |
|  |  | | [C1-200240](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200240.zip) | Reply LS on "set of configuration parameters" in the precedence of the V2X configuration parameters (S2-2000970) | | | SA2 | To | Proposed Noted  Related CR in C1-200525 | |
|  |  | | [C1-200241](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200241.zip) | Reply LS on PC5 unicast and groupcast security protection (S2-2000971) | | | SA2 | To | Proposed Noted  Related CR in C1-200349 | |
|  |  | | [C1-200242](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200242.zip) | Reply LS on Response LS on SL RLM/RLF (S2-2000973) | | | SA2 | To | Proposed Noted  Related CR in C1-200350 | |
|  |  | | [C1-200243](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200243.zip) | Reply LS on configured NSSAI handling (S2-2001110) | | | SA2 | To | Proposed tbd  Proposed LS out in C1-200718  No action for CT1 identified | |
|  |  | | [C1-200244](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200244.zip) | Reply LS on Dual-registration requirements for EHPLMNs (S2-2001130) | | | SA2 | To | Proposed Postponed  CT1 CRs seem needed, potentially a reply LS | |
|  |  | | [C1-200245](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200245.zip) | LS on MA PDU establishment when the VPLMN does not support ATSSS (S2-2001148) | | | SA2 | To | Proposed Noted  Are CRs available to this meeting? | |
|  |  | | [C1-200246](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200246.zip) | Reply LS on gPTP message delivery to DS-TT (S2-2001150) | | | SA2 | To | Proposed Noted  Related CR in C1-200339 | |
|  |  | | [C1-200247](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200247.zip) | Reply LS on 5G-S-TMSI Truncation Procedure (S2-2001248) | | | SA2 | To | Proposed Noted  C1-200500 (discussion paper) and C1-200501 (related CR) | |
|  |  | | [C1-200248](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200248.zip) | Reply LS on congestion during RLOS access (S2-2001335) | | | SA2 | To | Proposed Noted  No action seems required | |
|  |  | | [C1-200249](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200249.zip) | LS on Non-UE N2 Message Services Operations (S2-2001340) | | | SA2 | To | Proposed tbd  Proposed LS out in C1-200721 | |
|  |  | | [C1-200250](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200250.zip) | Reply LS on CMAS/ETWS and emergency services for SNPNs (S2-2001400) | | | SA2 | Cc | Proposed Noted | |
|  |  | | [C1-200251](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200251.zip) | Reply LS on assistance indication for WUS (S2-2001578) | | | SA2 | To | Withdrawn | |
|  |  | | [C1-200252](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200252.zip) | LS on Sending CAG ID (S2-2001616) | | | SA2 | To | Proposed tbd  Reply Needed  Proposed LS out in C1-200310  Related CRs in C1-200311, C1-200467, C1-200337 (seem to contain the same solution)  Related DP in C1-200335 | |
|  |  | | [C1-200253](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200253.zip) | LS on PC5S and PC5 RRC unicast message protection (S3-193802) | | | SA3 | To | Proposed Noted  Proposed LS out in C1-200545  Related CR in C1-200349 | |
|  |  | | [C1-200254](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200254.zip) | Reply LS to LS on usage of IMSI during 3GPP based authentication (S3-194454) | | | SA3 | Cc | Proposed Noted  Reply from SA3 to CT4 (C1-200206) | |
|  |  | | [C1-200255](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200255.zip) | Reply LS on SUCI computation from an NSI (S3-194455) | | | SA3 | To | Proposed tbd  Reply Needed  Proposed LS out in C1-200395 | |
|  |  | | [C1-200256](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200256.zip) | Reply LS to SA2 on 5G-S-TMSI Truncation Procedure (S3-194482) | | | SA3 | Cc | Proposed Noted | |
|  |  | | [C1-200257](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200257.zip) | Reply LS on SUCI computation from an NSI (S3-194548) | | | SA3 | To | Proposed Noted  Are CRs available to this meeting? | |
|  |  | | [C1-200258](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200258.zip) | Reply LS on Sending CAG ID in NAS layer (S3-194559) | | | SA3 | Cc | Proposed Noted | |
|  |  | | [C1-200259](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200259.zip) | Reply LS on IANA assigned values for mission critical (S3-194603) | | | SA3 | To | Proposed Postponed  Reply LS is needed, not provided to the meeting, SA6 meets in May, i.e. after next CT1 meeting | |
|  |  | | [C1-200260](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200260.zip) | LS to CT1 on 3rd ETSI MCX Remote Plugtest (S3-194611) | | | SA3 | To | Proposed Noted | |
|  |  | | [C1-200261](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200261.zip) | LS on Reply on QoE Measurement Collection (S5-197543) | | | SA5 | Cc | Proposed Noted | |
|  |  | | [C1-200262](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200262.zip) | Reply LS on how the IWF obtains key material for interworking group and private communications (S6-192194) | | | SA6 | To | Proposed Noted  Are CRs available to this meeting? | |
|  |  | | [C1-200263](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200263.zip) | Reply LS (S6-192023) on clarifications regarding SEAL services (S6-192318) | | | SA6 | Cc | Proposed Noted | |
|  |  | | [C1-200264](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200264.zip) | Reply LS on Unicast resource management with SIP core (S6-200163) | | | SA6 | To | Proposed Noted  related CR iC1-200616 | |
|  |  | | [C1-200265](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200265.zip) | LS on API additions to SEAL and V2XAPP (S6-200270) | | | SA6 | To | Proposed Noted  No CT1 CRs seem available to this meeting, commented that none are needed | |
|  |  | | [C1-200266](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200266.zip) | Reply LS on Enquiries for supporting vertical applications (S6-200337) | | | SA6 | To | Proposed Noted  Related CRs in C1-200562, C1-200563, C1-200554,C1-200552, C1-200553, C1-200608 and C1-200610 | |
|  |  | | [C1-200267](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200267.zip) | Reply LS on clarifications regarding V2XAPP services (S6-192385) | | | SA6 | Cc | Proposed Noted | |
|  |  | | [C1-200268](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200268.zip) | LS on missing cause code mapping (C3-195374) | | | CT3 | Cc | Proposed Noted | |
|  |  | | [C1-200269](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200269.zip) | Reply LS on LS on dependencies on AS design for mobility management aspects of NTN in 5GS / LS on system level design assumptions for satellite in 5GS (R3-197699) | | | RAN3 | Cc | Proposed Noted  C1-200220 from RAN2 and C1-200269 from RAN3 are both replies to the same LS from SA2 (S2-1910786)  C1-200223 from RAN2 and C1-200269 from RAN3 are both replies to the same LS from SA2  (S2-1910787) | |
|  |  | | [C1-200270](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200270.zip) | Reply on QoE Measurement Collection (S4-200241) | | | SA4 | To | Proposed Postponed  Reply LS is needed, not provided to the meeting | |
|  |  | | [C1-200271](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200271.zip) | Reply LS on Support for ECN in 5GS (S4-200298) | | | SA4 | Cc | Proposed Noted | |
|  |  | | [C1-200272](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200272.zip) | LS on GSMA NG.116 Attribute Area of service and impact on PLMN selection (S2-2001726) | | | SA2 | To | Postponed  LS pertains to Rel-17 (FS\_eNS\_Ph2 ) | |
|  |  | | [C1-200273](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200273.zip) | Questions on onboarding requirements (S2-2001729) | | | SA2 | Cc | Postponed  LS pertains to Rel-17 (FS\_eNPN) | |
|  |  | | [C1-200274](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200274.zip) | Reply LS on assistance indication for WUS (S2-2001732) | | | SA2 | To | Proposed Postponed  SA2 asks CT WG1 group to take the above answers into account and update their specifications accordingly, if required. Any CRs for WUS in EPC were treated under SAES in previous meeting | |
|  |  | | [C1-200319](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200319.zip) | Specification of NAS COUNT for 5G (FSAG Doc 78\_002) | | | GSMA FSAG | To | Proposed Postponed  CRs to 24.501 may be needed  Reply LS may be needed | |
|  |  | | [C1-200356](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200356.zip) | General status of WWC work (LIAISE-376) | | | Broadband Forum | To | Proposed Noted | |
|  |  | | [C1-200777](http://www.3gpp.org/ftp/tsg_ct/WG1_mm-cc-sm_ex-CN1/TSGC1_122e/Docs/C1-200777.zip) | LS on Questions on onboarding requirements (S1-201087) | | | [C1-200777](http://www.3gpp.org/ftp/tsg_ct/WG1_mm-cc-sm_ex-CN1/TSGC1_122e/Docs/C1-200777.zip) | Cc | Postponed  LS pertains to Rel-17 | |
|  |  | | [C1-200776](http://www.3gpp.org/ftp/tsg_ct/WG1_mm-cc-sm_ex-CN1/TSGC1_122e/Docs/C1-200776.zip) | Reply LS on manual CAG selection (S1-201084) | | | [C1-200776](http://www.3gpp.org/ftp/tsg_ct/WG1_mm-cc-sm_ex-CN1/TSGC1_122e/Docs/C1-200776.zip) | To | Came Late  Proposed Noted  Providing answers, | |
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|  | void | |  |  | | |  |  | Release 5 is closed | |
|  |  | |  |  | | |  |  |  | |
|  | void | |  |  | | |  |  | Release 6 is closed | |
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|  | void | |  |  | | |  |  | Release 7 is closed | |
|  |  | |  |  | | |  |  |  | |
|  | Release 8  work items | | Tdoc | **NOT PART OF THIS MEETING** | | |  |  |  | |
|  |  | |  |  | | |  |  |  | |
|  | Release 9  work items | | Tdoc | **NOT PART OF THIS MEETING** | | |  |  |  | |
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|  | Release 10  work items | | Tdoc | **NOT PART OF THIS MEETING** | | |  |  |  | |
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|  | Release 11  work items | | Tdoc | **NOT PART OF THIS MEETING** | | |  |  |  | |
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|  | Release 12  work items | | Tdoc | **NOT PART OF THIS MEETING** | | |  |  |  | |
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|  | Release 13  work items | | Tdoc | **NOT PART OF THIS MEETING** | | |  |  |  | |
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|  | Release 14  work items | | Tdoc | **NOT PART OF THIS MEETING** | | |  |  |  | |
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|  | Release 15  work items | | Tdoc | **NOT PART OF THIS MEETING** | | |  |  |  | |
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|  | Release 16  work items | | Tdoc | Title | | | Source | Tdoc info | Result & comments | |
|  | Tdocs on Work Items | |  |  | | |  |  | Papers related to Rel-16 Work Items | |
|  | Work Item Descriptions | |  | Peter - Main | | |  |  | New and revised Work Item Descritpions | |
|  |  | | [C1-200296](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200296.zip) | Stage-3 5GS NAS protocol development | | | Ericsson / Ivo | WID revised Rel-16 | Revision of CP-183087 | |
|  |  | | [C1-200348](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200348.zip) | Revised WID on CT aspects of optimisations on UE radio capability signalling | | | Qualcomm Incorporated / Lena | WID revised Rel-16 |  | |
|  |  | | [C1-200423](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200423.zip) | Revised WID on CT aspects of Cellular IoT support and evolution for the 5G System | | | Qualcomm Incorporated / Amer | WID revised Rel-16 |  | |
|  |  | | [C1-200472](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200472.zip) | Revised WID on Multi-device and multi-identity | | | Ericsson /Jörgen | WID revised Rel-16 |  | |
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|  | CRs and Discussion Documents related to new or revised Work Items | |  | Peter - Main | | |  |  | CRs and Disc papers related to new Work Items | |
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|  | Status of other Work Items | |  | Peter - Main | | |  |  | Status information on other relevant Rel-16 Work Items | |
|  |  | | [C1-200422](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200422.zip) | 5G\_CIoT WI workplan | | | Qualcomm Incorporated / Amer | Work Plan Rel-16 |  | |
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|  | Release 16 documents for information | |  | Peter - Main | | |  |  | Miscellaneous documents provided for information | |
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|  | WIs for common and SAE/5G | |  |  | | |  |  | WIs mainly targeted for common sessions or the SAE/5G breakout | |
|  | ePWS | |  | Lena – Main | | |  |  | CT aspects of enhancements of Public Warning System  TR 23.735 is sent to CT#85 for approval | |
|  |  | | [C1-200442](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200442.zip) | CR 23.041#0208 Addition of message identifiers for UEs with no user interface | | | SyncTechno Inc. | CR 0208 23.041 Rel-16 |  | |
|  |  | | [C1-200443](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200443.zip) | CR 23.041#0209 Support of a stored language-independent content referenced by a warning message | | | SyncTechno Inc. | CR 0209 23.041 Rel-16 |  | |
|  |  | | [C1-200444](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200444.zip) | CR 23.041#0210 Example of Unicode based symbols as the language independent contents mapping to disasters in NOTE | | | SyncTechno Inc. | CR 0210 23.041 Rel-16 |  | |
|  |  | | [C1-200446](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200446.zip) | Workplan for ePWS-CT aspects | | | SyncTechno Inc. | Work Plan Rel-16 |  | |
|  |  | | [C1-200765](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200765.zip) | handling of ePWS message | | | Samsung /Grace | CR 0211 23.041 Rel-16 | The CR seems to be related to incoming LS in C1-200226. The incoming LS pertains to Rel-15, and is not part of work item ePWS. | |
|  |  | | C1-200769 | discussion for concurrent broadcast for CMAS | | | Samsung R&D Institute UK | discussion 23.041 Rel-16 | Withdrawn | |
|  |  | | C1-200770 | discussion for concurrent broadcast for CMAS | | | Samsung R&D Institute UK | discussion 23.041 Rel-16 | Withdrawn | |
|  |  | | C1-200771 | discussion for concurrent broadcast for CMAS | | | Samsung /Grace | discussion 23.041 Rel-16 | Postponed  Document was LATE | |
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|  | SINE\_5G | |  | Peter – Main | | |  |  | Signalling Improvements for Network Efficiency in 5GS | |
|  |  | | [C1-200513](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200513.zip) | Work plan for SINE\_5G | | | Huawei, HiSilicon/Lin | discussion Rel-16 | Revision of C1-198222 | |
|  |  | | [C1-200514](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200514.zip) | No retry in 4G for PDU session type related 5GSM causes | | | Huawei, HiSilicon/Lin | CR 1943 24.501 Rel-16 |  | |
|  |  | | [C1-200547](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200547.zip) | Correction on UE retry restriction on EPLMN | | | China Telecom, Huawei, HiSilicon | CR 1944 24.501 Rel-16 |  | |
|  |  | | [C1-200768](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200768.zip) | handling of PDU session authentication | | | Samsung/Grace | CR 2026 24.501 Rel-16 | Lena, Thursday, 09:05  In 4.9.3, a note should be added stating “The term "non-3GPP access" used in "SNPN is selected over non-3GPP access " is used to express access to SNPN services via a PLMN.”  Ivo, Thursday, 09:45  the text should either be a NOTE or should be reformulated to be a normative requirement on the UE.  Amer, Friday, 20:04  The proposed new text is not needed, because the NW and the UE behavior is defined  in sc. 6.4.1.4.1:  Lin, Monday, 08:07  As the UE cannot distinguish this case from other cases in which #29 can be used, I second what Ivo proposed, to have a NOTE to remind that in this case, retry is not allowed. | |
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|  | SAES16 WIs | |  | Peter – Main | | |  |  | Stage-3 SAE protocol pevelopment for Rel-16 | |
|  | SAES16 | |  | Peter – Main | | |  |  | General Stage-3 SAE protocol development  **Only revision of agreed CRs from the ad-hoc meeting and DISC paper supporting LS possible** | |
|  |  | | C1ah-200120 | Correcting reference to 5GSM procedures | | | Ericsson / Mikael | CR 1858 24.501 Rel-16 | Agreed | |
|  |  | | C1ah-200123 | +CGEV amendment for indicating IP address/type change | | | MediaTek Inc. / JJ | CR 0681 27.007 Rel-16 | Agreed  Revision of C1ah-200091 | |
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|  | SAES16-CSFB | |  | Peter – Main | | |  |  | Stage-3 SAE protocol development related to Circuit Switched Fall Back | |
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|  | SAES16-non3GPP | |  | Peter – Main | | |  |  | Stage-3 SAE protocol development related to non-3GPP access | |
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|  | 5GProtoc16 WIs | |  | Peter – Main | | |  |  | Stage-3 5GS NAS protocol development for Rel-16 | |
|  | 5GProtoc16 | |  |  | | |  |  | General Stage-3 5GS NAS protocol development  Only revision of agreed CRs from the ad-hoc meeting and DISC paper supporting LS possible | |
|  |  | | C1ah-200023 | Correction for AUTHENTICATION REJECT handling | | | Ericsson / Ivo | CR 1785 24.501 Rel-16 | Agreed | |
|  |  | | C1ah-200032 | Correct “ANSDP” | | | Intel | CR 1793 24.501 Rel-16 | Agreed | |
|  |  | | C1ah-200037 | Correction to RAT's that can be scanned after E-UTRAN disable due to no voice service | | | Samsung/Anikethan | CR 0482 23.122 Rel-16 | Agreed | |
|  |  | | C1ah-200043 | Emergency service missing condition for performing registration update | | | Intel / Thomas | CR 0483 23.122 Rel-16 | Agreed | |
|  |  | | C1ah-200044 | Listing of 5GMM parameters for EMM cause #12 handling | | | HiSilicon, HiSilicon / Vishnu | CR 3315 24.301 Rel-16 | Agreed | |
|  |  | | C1ah-200047 | Declare syntactical error when both MFBR uplink and MFBR downlink equal zero | | | Qualcomm Incorporated | CR 1804 24.501 Rel-16 | Agreed | |
|  |  | | C1ah-200059 | Correction on NAS transparent container for 5G-4G interworking | | | Huawei, HiSilicon/Lin | CR 1811 24.501 Rel-16 | Agreed | |
|  |  | | C1ah-200062 | Trigger for stopping timer T3511 | | | Huawei, HiSilicon/Lin | CR 1813 24.501 Rel-16 | Agreed | |
|  |  | | C1ah-200063 | Correction on T3502 for deactivated value | | | Huawei, HiSilicon/Lin | CR 1814 24.501 Rel-16 | Agreed | |
|  |  | | C1ah-200066 | EMM cause #22 for resetting registration attempt counter | | | Huawei, HiSilicon/Lin | CR 3322 24.301 Rel-16 | Agreed | |
|  |  | | C1ah-200067 | Consistent use of additional 5G security information IE | | | Huawei, HiSilicon/Lin | CR 1816 24.501 Rel-16 | Agreed | |
|  |  | | C1ah-200069 | Correction on N26 interface indicator | | | Huawei, HiSilicon/Lin | CR 3323 24.301 Rel-16 | Agreed | |
|  |  | | C1ah-200070 | Correction on reference of TS 36.304 | | | Huawei, HiSilicon/Lin | CR 1818 24.501 Rel-16 | Agreed | |
|  |  | | C1ah-200072 | Inclusion of 5GSM cause in PDU session release request | | | Huawei, HiSilicon/Lin | CR 1820 24.501 Rel-16 | Agreed | |
|  |  | | C1ah-200073 | PDU session establishment reject with 5GSM #29 | | | Huawei, HiSilicon/Lin | CR 1821 24.501 Rel-16 | Agreed | |
|  |  | | C1ah-200079 | Acknowledgement of UCU procedure | | | vivo / Yanchao | CR 1826 24.501 Rel-16 | Agreed | |
|  |  | | C1ah-200100 | Correction in handling of persistent PDU session during the mobility registration update | | | Nokia, Nokia Shanghai Bell | CR 1842 24.501 Rel-16 | Agreed | |
|  |  | | C1ah-200099 | Procedures for an ETWS/CMAS-capable UE in NG-RAN | | | Nokia, Nokia Shanghai Bell | CR 0205 23.041 Rel-16 | Agreed | |
|  |  | | C1ah-200101 | NAS signalling spelling correction | | | Ericsson / Mikael | CR 1843 24.501 Rel-16 | Agreed | |
|  |  | | C1ah-200105 | Correction to IEI values | | | Huawei, HiSilicon /Christian | CR 1846 24.501 Rel-16 | Agreed | |
|  |  | | C1ah-200107 | Correction to UCU procedure abnormal cases on NW side for a new TAI list | | | Ericsson /kaj | CR 1848 24.501 Rel-16 | Agreed | |
|  |  | | C1ah-200113 | Correction to the Mapped NSSAI IE | | | Huawei, HiSilicon /Christian | CR 1854 24.501 Rel-16 | Agreed | |
|  |  | | C1ah-200118 | Correction to AT+CLADN string type | | | MediaTek Inc. / Marko | CR 0682 27.007 Rel-16 | Agreed | |
|  |  | | C1ah-200124 | S-NSSAI value associated with the BO timer applied for all PLMNs | | | MediaTek Inc., Qualcomm Incorporated, Huawei, HiSilicon / JJ | CR 1839 24.501 Rel-16 | Agreed  Revision of C1ah-200096 | |
|  |  | | C1ah-200127 | Correcting styles | | | BlackBerry UK Ltd. | CR 3313 24.301 Rel-16 | Agreed  Revision of C1ah-200014  **This is now a TEI16 change** | |
|  |  | | C1ah-200129 | Abnormal case for service request procedure | | | ZTE | CR 1797 24.501 Rel-16 | Agreed  Revision of C1ah-200038 | |
|  |  | | C1ah-200131 | S-NSSAI as a mandatory parameter for interworking with 5GS | | | MediaTek Inc. / JJ | CR 1836 24.501 Rel-16 | Agreed  Revision of C1ah-200093 | |
|  |  | | C1ah-200137 | Service Request for PS Data Off | | | ZTE | CR 1799 24.501 Rel-16 | Agreed  Revision of C1ah-200040 | |
|  |  | | C1ah-200139 | Usage of SoR-AF function | | | Nokia, Nokia Shanghai Bell /Jennifer | CR 0486 23.122 Rel-16 | Agreed  Revision of C1ah-200081 | |
|  |  | | C1ah-200140 | Update bullet index to include all NAS transport cases | | | Nokia, Nokia Shanghai Bell /Jennifer | CR 1827 24.501 Rel-16 | Agreed  Revision of C1ah-200082 | |
|  |  | | C1ah-200141 | Correction to 5GMM cause IE | | | Huawei, HiSilicon /Christian | CR 1847 24.501 Rel-16 | Agreed  Revision of C1ah-200106 | |
|  |  | | C1ah-200145 | Correction to the retransmission timer for the network slice-specific EAP message reliable transport procedure | | | Huawei, HiSilicon /Christian | CR 1852 24.501 Rel-16 | Agreed  Revision of C1ah-200111 | |
|  |  | | C1ah-200147 | Handling of unsupported SSC mode | | | Qualcomm Incorporated / Lena | CR 1794 24.501 Rel-16 | Agreed  Revision of C1ah-200033  Author indicated a revision for Sophia meeting to fix some unlcarity | |
|  |  | | C1ah-200148 | Matching of SSC mode for association between an application and an existing PDU session | | | Qualcomm Incorporated / Lena | CR 0069 24.526 Rel-16 | Agreed  Revision of C1ah-200034 | |
|  |  | | C1ah-200151 | Clarification of forbidden PLMN list | | | vivo | CR 0484 23.122 Rel-16 | Agreed  Revision of C1ah-200053 | |
|  |  | | C1ah-200154 | Correction to sending of EPS NAS message container in Registration Request message | | | Samsung/Anikethan | CR 1789 24.501 Rel-16 | Agreed  Revision of C1ah-200028 | |
|  |  | | C1ah-200155 | Editorial correction of an input parameter for 5G NAS message integrity protection | | | Samsung/Anikethan | CR 1786 24.501 Rel-16 | Agreed  Revision of C1ah-200025 | |
|  |  | | C1ah-200156 | Inclusion of PDU session reactivation result error cause IE | | | Huawei, HiSilicon/Lin | CR 1810 24.501 Rel-16 | Agreed  Revision of C1ah-200056 | |
|  |  | | C1ah-200157 | Deletion of the rejected NSSAI for the current registration area | | | Huawei, HiSilicon/Lin | CR 1812 24.501 Rel-16 | Agreed  Revision of C1ah-200061 | |
|  |  | | C1ah-200158 | 5GMM cause #22 for resetting registration attempt counter | | | Huawei, HiSilicon/Lin | CR 1815 24.501 Rel-16 | Agreed  Revision of C1ah-200065  Author indicated a revision for Sophia to fix a minor aspect | |
|  |  | | C1ah-200159 | Inclusion of 5GSM cause in PDU session modification request | | | Huawei, HiSilicon/Lin | CR 1819 24.501 Rel-16 | Agreed  Revision of C1ah-200071 | |
|  |  | | C1ah-200160 | Correction on QoS rule/QoS flow synchronization | | | Huawei, HiSilicon/Lin | CR 1822 24.501 Rel-16 | Agreed  Revision of C1ah-20000074  MCC is asked to fix the missing semicolon between “session” and “and” as shown below  the SMF decides to continue to use the previous configuration of the PDU session and | |
|  |  | | C1ah-200166 | UE handling of invalid QoS flow description | | | MediaTek Inc. / JJ | CR 1835 24.501 Rel-16 | Agreed  Revision of C1ah-200092 | |
|  |  | | C1ah-200167 | UE handling of multiple QoS errors in EPS | | | MediaTek Inc., Qualcomm Incorporated, Ericsson / JJ | CR 1838 24.501 Rel-16 | Agreed  Revision of C1ah-200095 | |
|  |  | | C1ah-200168 | Optional IE description for release assistance indication IE | | | MediaTek Inc. / JJ | CR 1837 24.501 Rel-16 | Agreed  Revision of C1ah-200094 | |
|  |  | | C1ah-200171 | Correction on NAS COUNT handling for intra-N1 handover | | | Huawei, HiSilicon/Lin | CR 1824 24.501 Rel-16 | Agreed  Revision of C1ah-200077 | |
|  |  | | C1ah-200172 | Correction on Uplink data status IE coding | | | Huawei, HiSilicon/Lin | CR 1825 24.501 Rel-16 | Agreed  Revision of C1ah-200078  Lin, Monday, 16:01 | |
|  |  | | C1ah-200175 | Correction on payload container of type SMS | | | Nokia, Nokia Shanghai Bell | CR 1828 24.501 Rel-16 | Agreed  Revision of C1ah-200083 | |
|  |  | | C1ah-200177 | Correcting reference to NAS transparent container IE during S1 mode to N1 mode in 5GMM-CONNECTED mode | | | Qualcomm Incorporated | CR 1805 24.501 Rel-16 | Agreed  Revision of C1ah-200049 | |
|  |  | | C1ah-200181 | Corrections on 5GMM cause #91 "DNN not supported or not subscribed in the slice" | | | Nokia, Nokia Shanghai Bell | CR 1834 24.501 Rel-16 | Agreed  Revision of C1ah-200090 | |
|  |  | | C1ah-200187 | Handling multiple QoS errors during a PDU session establishment procedure | | | Qualcomm Incorporated, MediaTek Inc. / Amer | CR 1807 24.501 Rel-16 | Agreed  Revision of C1ah-200051 | |
|  |  | | C1ah-200190 | Correction on N26 interface indicator | | | Huawei, HiSilicon/Lin | CR 1817 24.501 Rel-16 | Agreed  Revision of C1ah-200068 | |
|  |  | | C1ah-200191 | Abnormal case for UL NAS TRANSPORT | | | ZTE | CR 1800 24.501 Rel-16 | Agreed  Revision of C1ah-200041 | |
|  |  | | C1ah-200192 | Mapped EPS bearer contexts deletion | | | ZTE | CR 1798 24.501 Rel-16 | Agreed  Revision of C1ah-200130  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Revision of C1ah-200039 | |
|  |  | | C1ah-200196 | Corrections on UE-initiated NAS transport procedure initiation | | | Nokia, Nokia Shanghai Bell | CR 1829 24.501 Rel-16 | Agreed  Revision of C1ah-200176  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Revision of C1ah-200084 | |
|  |  | | C1ah-200201 | Abnormal case handling for 5GMM cause value #90 along with a PDU SESSION MODIFICATION REQUEST message | | | Nokia, Nokia Shanghai Bell | CR 1840 24.501 Rel-16 | Agreed  Revision of C1ah-200097 | |
|  |  | | C1ah-200203 | Service area restrictons, condition for UE out of allowed tracking area list and RA is missing | | | Ericsson /kaj | CR 1853 24.501 Rel-16 | Agreed  There was a late request for a revision, some editorial  Revision of C1ah-200170  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Revision of C1ah-200112 | |
|  |  | | C1ah-200205 | Reject non-emergency PDU session request attempt while registered for emergency services | | | Ericsson /kaj | CR 1845 24.501 Rel-16 | Agreed  Revision of C1ah-200104  **There was a reservation to raise concerns to this CR in February i.e., to not sending it for CT plenary for approval. Potential issues:**   * **make the reason for change (scenario) clearer so implementers would understand the scenario when they need to implement this.** * **to (re-)consider updating the proposal by using a reject cause different than #90 to the UE.** | |
|  |  | | C1ah-200208 | Correcting unimplementable condition regarding N26 interworking support detection | | | BlackBerry UK Ltd., Nokia, Nokia Shanghai Bell | CR 1781 24.501 Rel-16 | Agreed  Revision of C1ah-200183  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Revision of C1ah-200086 | |
|  |  | | C1ah-200211 | Maintain Selected EPS NAS security algorithms during N1 mode to N1 mode handover | | | Huawei, HiSilicon/Cristina | CR 1784 24.501 Rel-16 | Agreed  Revision of C1ah-200197  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Revision of C1ah-200019 | |
|  |  | | C1ah-200212 | Correction to handling of a PDU session for emergency service at SOR | | | MediaTek Inc. / Marko | CR 0488 23.122 Rel-16 | Agreed  Revision of C1ah-200204  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Revision of C1ah-200202  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Revision of C1ah-200169  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Revision of C1ah-200116 | |
|  |  | | [C1-200332](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200332.zip) | Handling of unsupported SSC mode | | | Qualcomm Incorporated / Lena | CR 1794 24.501 Rel-16 | Revision of C1ah-200147 | |
|  |  | | [C1-200515](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200515.zip) | Deletion of the rejected NSSAI for the current registration area | | | Huawei, HiSilicon/Lin | CR 1812 24.501 Rel-16 | Revision of C1ah-200157 | |
|  |  | | [C1-200620](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200620.zip) | Dual-registration requirements for EHPLMNs | | | Intel, Qualcomm Incorporated / Vivek | CR 1974 24.501 Rel-16 | Postponed  NEW CR for this WID, out of scope of the meeting | |
|  |  | | [C1-200680](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200680.zip) | Reject non-emergency PDU session request attempt while registered for emergency services | | | Ericsson /kaj | CR 1845 24.501 Rel-16 | Revision of C1ah-200205  Lena, Thursday, 09:03  It does not seem justified to add the possibility for the AMF to reject a non-emergency PDU session establishment request from an emergency-registered UE with cause “congestion”. In this case, the reject is not due to congestion, it is due to the fact that the UE is emergency-registered  Sung, Saturday, 05:50  Supports the Cr  Lena, Monday, 00:46  Thanks for Additional Info, FINE with the CR  Kaj, Monday, 10:50  All ok | |
|  |  | | [C1-200719](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200719.zip) | Corrections in specifying reasons for errors | | | Nokia, Nokia Shanghai Bell | CR 1834 24.501 Rel-16 | Revision of C1ah-200181 | |
|  |  | | [C1-200631](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200631.zip) | S-NSSAI as a mandatory parameter to support interworking with 5GS | | | MediaTek Inc., Ericsson / JJ | CR 1836 24.501 Rel-16 | Revision of C1ah-200131 | |
|  |  | | [C1-200678](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200678.zip) | Service area restrictions, case missing for when UE is out of allowed tracking area list and RA | | | Ericsson /kaj | CR 1853 24.501 Rel-16 | Revision of C1ah-200203  Moved from 16.2.8 | |
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|  | 5GProtoc16-non3GPP | |  | Peter – Main | | |  |  | Stage-3 5GS NAS protocol development related to non-3GPP access | |
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|  | ATSSS | |  | Peter – Main | | |  |  | CT aspects of Access Traffic Steering, Switch and Splitting support in 5G system  Is TS 24.193 sufficiently stable to be sent to CT#87-e for approval? | |
|  |  | | [C1-200299](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200299.zip) | 5GSM capabilities for MA PDU session | | | Motorola Mobility, Lenovo | CR 1860 24.501 Rel-16 | Revision of C1-200001  C1-200299 and C1-200565 are competing  Joy, Thursday, 09:41  Understands background, however, there are issues, proposes to merge this CR in C1-200565  Roozbeh, Thursday, 22:59  That is a good point. I will incorporate the changes and share with Apple to see if they agree to merge the CR.  Second part of 299 will be kept and not merged with Apple Cr  Krisztian, Friday, 04:52  Fine to merge part of 299 into his CR  Rae, Friday, 10:39  Fine with the coding, procedure text for interworking to be moved  Roozbeh, Wed, 01:08  Providing rev that shows the parts that are not merged | |
|  |  | | C1-200301 | MA PDU session is not supported | | | Motorola Mobility, Lenovo | CR 1862 24.501 Rel-16 | Withdrawn  Revision of C1-200004 | |
|  |  | | [C1-200303](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200303.zip) | MA PDU session is not supported | | | Motorola Mobility, Lenovo | CR 1862 24.501 Rel-16 | Revision of C1-200004  Joy, Thursday, 16:59  One question for clarification:  The UE has an MA PDU session established over 3GPP access and then moves to a different PLMN.  In this case, Does the UE need to initiate to release the MA PDU session if the UE learns that this network does not support ATSSS during the mobility registration procedure?  One comment:  In 6.4.1.2, "If the UE is registered to a network supporting ATSSS" is better than "If the network supports ATSSS". Why not use the same wording in the beginning of the three paragraphs?  Roozbeh, Thursday, 17:21  Regarding your question: This is more based on registration area; meaning if the UE changes the registration area and need to re-register, the UE shall release the related PDU sessions and act appropriately when establishing the new PDU session. Meaning the UE shall not establish any MA PDU session if it does not receive any indicator from the network supporting MA PDU session.  Regarding your comment; that is fine with me  Krisztian, Friday, 06:30  Provding some comments  Rae, Friday, 07:45  Why to mandate UE to provide whether network supports ATSSS to the upper layers, especially in the case that UE only supports ATS-LL  Roozbeh, Friday, 21:39  To Krisztian  bullet 1) no to the wording  bullet 2) ok  bullet 3) some concerns  Roozbeh, Friday, 22:00  Explains to Rae, why he has chosen, existing wording in 24.501  Rae, Monday 03:00  Even upper layer(application layer) does not know whether the network supports ATSSS and triggers 5GSM to establish MA PDU session, the 5GSM can still stop sending the signaling. This not sending behaviors at 5GSM are already included in the same CR.  Roozbeh, Monday, 23:03  To rae, The CR is for the case when the registration area sends an indicator on the NAS layer to the UE, that the ATSSS has supports. The UE when receiving this, will forward it to the upper layer. Now the upper layer does not initiate any MA PDU session since the  registration area does not support the MA PDU session.  Rae, TUesay, 04:50  Agrees with most of the changes, requests an additional change in the CR  Joy, Tuesday, 07:52  In the end, SA2 agreed Ericsson's solution which defining ATSSS indication provided by the AMF during the registration procedures. The reason why this solution won is because it based on the assumption that support of ATSSS is homogeneous in a PLMN. With this assumption, this solution is the most easy and clear way  Roozbeh, Tue, 18.08  Does not agree with Joy, conclusion we at Motorola cannot agree to this note from the SA2 report.  I am happy to draft an LS to SA2 to get clarification on this if that is a way forward.  Roozbeh, Tue, 20:57  To Rae, arguing why this is needed  Mikael, Tue, 22:47  Support Roozbeh, need the sentence “In a UE with the capability for ATSSS, the network support for ATSSS shall be provided to the upper layers.”  Sentence is challenged by Rae  Roozbeh, Wed, 06:03  Latest rev  Rae, Wed, 06:30  Stil has questions to Roozbeh  Rae, Wed, 06:49  More questions to Roozbeh  Joy, Wed 07:26  Proosaing an EN, no LS to SA2 | |
|  |  | | [C1-200313](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200313.zip) | Comparison of solutions for performance measurement function (PMF) protocol | | | Ericsson / Ivo | discussion Rel-16 |  | |
|  |  | | [C1-200314](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200314.zip) | Performance management function protocol | | | Ericsson / Ivo | pCR 24.193 Rel-16 | Revision of C1-200110  Alternative to C1-200655  Peter, Monday, 19:46  I have not seen much of discussion on the protocol for ATSSS Performance Measurement Function Protocols where we have competing CRs in C1-200655 (Apple) and C1-200314 (Ericsson).  f the situation does not change (e.g. one company withdrawing), then we will postpone both CRs out of the meeting and try resolving this in the next meeting.  Krisztian, Monday, 19:57  Agrees with Peter  Krisztian, Tue, 20:32  The technical voting on the solution for Performance Measurement Function Protocol (PMFP) scheduled for CT1#122 was cancelled because CT1#122 face-to-face meeting was cancelled and converted into CT1#122-e electronic meeting. The situation since CT1#121 has not changed, i.e. C1-200314 and C1-200655 are alternative proposals and CT1 should re-schedule the technical voting for CT1#123. **Hence, I am proposing to postpone C1-200314**. | |
|  |  | | [C1-200404](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200404.zip) | Minor Correction to ATSSS container IE desciption | | | China Mobile | CR 1903 24.501 Rel-16 |  | |
|  |  | | [C1-200406](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200406.zip) | Minor Correction to Traffic descriptor component type identifier of ATSSS rules | | | China Mobile | pCR 24.193 Rel-16 | Roozbeh, Thursday, 18:17  This is not one-to one mapping with the table in 24.526. Connection capability needs to be reasoned. I do not think there is any need for it for the ATSSS.  Xu, Friday, 03:57  Asks two questions from Roozbeh  Roozbeh, Friday, 19:43  So all I can say that mapping is not one-to one and as long as I am aware the connection capabilities are applicable for URSP but not for ATSSS, unless you can provide a reason why it should be there  Xu, Saturday, 15:01  Defending the case replying to Roozbeh  Roozbeh, Sunday, 00:27  , I do not think you can justify the need for connection capabilities for ATSSS as to avoid having separate lists in PCF for URSP and ATSSS (If that is what you meant in your mail). As I pointed out in my previous mail, you need to educate SA2 or CT1 why the connection capability is needed for ATSSS. If you have a reason for that then you need to describe it in a discussion paper or cover page as in SA2 or CT1. I am not trying to make this difficult. I simply do not see any motivation in your CR for it, except mapping to URSP list which is not a valid reason , IMHO.  Xu, Sunday, 06.50  Still discussing with Roozbeh  Lazraros, Sunday, 16:52  reference to 24.526 has to be preserved  Connection capabilities were discussed within CT1 and considered not applicable to ATSSS  Joy, Sunday, 17:37  Existing wording with ref to 24.526 brings confusion  Some proposal for reworded text  Roozbeh, Sunday, 23:31  To Joy, proposal may imply that the traffic descriptor is different in TS 24.193 than from TS 24.526, which is not true  Some potential way forward described  Xu, Tuesday, 03:11  Thanks to Lazaros, think a bit further about the CR  Xu, Wed, 06:07  Joy Roozbeh, Lazaros, all comms taken on board, new rev provided | |
|  |  | | [C1-200413](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200413.zip) | Removing editor's note | | | Motorola Mobility, Lenovo | pCR 24.193 Rel-16 | Partially overlapping with C1-200459  Atle, Thursday, 17:15  Note that this Editor’s Note also is removed by C1-200459.  Roozbeh, Thursday, 18:23  No issue to remove the editor’s note. Just remove one of them so it does not collide with C1-200413.  Joy, Sunday, 16:45  Asking to see what the outcome of 0459 is before any revision is done because of overlap | |
|  |  | | [C1-200414](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200414.zip) | MA PDU session is not supported | | | Motorola Mobility France S.A.S | pCR 24.193 Rel-16 | Atle, Thursday, 21:06  introductory clause like 4.1 to be informative  Roozbeh, Thursday, 21:16  Hints at cases with mandatory text in introductory clauses of other specs, no better place for it  Krisztian, Friday, 07:09  Cover page to go away, and suggestions  Roozbeh, Friday, 21:53  Accepts some of the comments, but not all  Roozbeh, Saturday, 23.51  Will use pCR template  Krisztian, Sunday, 21:11  the wording "any PDU session related to the ATSSS” potentially confuses the reader in an Introduction section, so it’s better to just reference 24.501 for the complete description.  Lazaros, Sunday, 23:01  We do not see the need for this CR as is, since  1) most of the information mentioned exists already in 23.501  2) the purpose of section 4 was to be informative  More explanation  PRoviddes a shortened version that would be acceptable in drafts  Roozbeh, Sunday, 23::11  To Krisztian, provides a compromise, how about  If the UE does not receive the indication for the ATSSS capability from the AMF, the UE shall not initiate   1. an MA PDU session; or 2. a single access (SA) PDU session which can be upgraded by the network.   Roozbeh, Wed, 05:33  Taking Lazarous on board, rev is provided | |
|  |  | | [C1-200456](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200456.zip) | Discussion on handling of clause 5.2 of TS 24.193 | | | ZTE / Joy | discussion Rel-16 | Related to CRs in C1-200457, C1-200458 and C1-200459, describes two alternatives  Atle, Thursday, 17:13  This topic has a knock on effect on other CRs to this meeting, thus I think that we must attempt conclusion on where to specify this as soon as possible.  Generally speaking, if we can justify to specify a new feature in a TS of 25 pages versus a TS of 625 pages, the smaller TS is as I see it preferable.  Looking at the current version of TS 24.193, it looks like we can justify this text in TS 24.193. I do not think the clauses in question look misplaced.  Consequently I **am in favor of keeping these subclauses in TS 24.193 and only remove the EN in TS 24.193 clause 5.2**.  Roozbeh, Thursday, 17:24  Seconds Atle, keep in 24.193  Roozbeh, Thursday, 18:21  **Suppot to keep text in 24.193**  Joy, Friday, 04.51  Can go either way, but Christian and Jennifer preferred 24.501 approach, as asked for feedback  Lazaros, Monday, 00:02  Nokia prefers to move text to 24.501  Joy, Monday, 09:55  ZTE soupports moving to 24.501  Atle, Monday, 16:15  Concerned about shifting this to 501  Roozbeh, Monday, 22:26  Keep text in 24.193  Krisztain, Tuesday, 00:40  Keept text in 24.193  Joay, Tuesday, 02:42  Explaining while moving text to 24.501 is possible  Chen, Tuesday, 14:55  Keep this in 24.193  NO to alternative 1  Joy, Tuesay, 16:11  Acknowledging email from Chen | |
|  |  | | [C1-200457](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200457.zip) | Move the content of clause 5.2 out of TS 24.193 | | | ZTE / Joy | pCR 24.193 Rel-16 | Alternative 1 described in C1-200456  Atle, Thursday, 17:14  See my comments to [16.2.5\_C1-200456]  I think this text is useful in TS 24.193 and **I do not agree with this CR.**  **Christian, Saturday, 15:38**  **Supports this, text needs to go to 24.501**  add both Huawei and HSilicon as co-signers of any revision of C1-200457 and C1-200458 | |
|  |  | | [C1-200458](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200458.zip) | Introduction of multi-access PDU connectivity service | | | ZTE / Joy | CR 1920 24.501 Rel-16 | Alternative 1 described in C1-200456  Atle, Thursday, 17:14  See my comments to [16.2.5\_C1-200456]  I think this text is useful in TS 24.193 and **I do not agree with this CR.**  **Christian, Saturday, 15:38**  **Supports this, text needs to go to 24.501**  add both Huawei and HSilicon as co-signers of any revision of C1-200457 and C1-200458 | |
|  |  | | [C1-200459](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200459.zip) | Remove editor's notes | | | ZTE / Joy | pCR 24.193 Rel-16 | Alternative 2 described in C1-200456  Partially overlapping with C1-200413  Atle, Thursday, 17:15  I support removing the Editor’s Note in 5.2, as I think this text is useful in TS 24.193  For the Editor’s Note in 5.2.4, this EN is also removed by C1-200413  Krisztian, Friday, 07:18  Supports this CR  Cristian, Saturday, 15:45  we are against agreeing C1-200459  Roozbeh, Thursday, 18:21  [16.2.5, C1-200456, C1-200457, C1-200458]Z  prefer to keep the clauses in 24.193. No need to move them. With that I think the related CRs can be withdrawn. | |
|  |  | | [C1-200461](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200461.zip) | Clarification on multi-homing and UL-CL funtionalities in MA PDU Session | | | ZTE / Joy | pCR 24.193 Rel-16 |  | |
|  |  | | [C1-200627](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200627.zip) | Considering allowed NSSAI when establishing MA PDU session | | | MediaTek Inc., ZTE / JJ | CR 1976 24.501 Rel-16 | Mikael, Thursday, 13:29  change ”is allowed to” to “may”  JJ, Friday, 04:54  Fine with comment form Mikael  Lazaros, Friday, 23:08  Could you please elaborate on your intention with this CR? ……. Prefers previous version  JJ, Monday, 04:11  Answers to Lazaros, is this fine?  JJ, Wed, 09:25  Provides the rev, asking asking Mikael and Lazaros whther this is ok | |
|  |  | | [C1-200628](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200628.zip) | UE Handling upon receipt of PDU session release command | | | MediaTek Inc. / JJ | CR 1977 24.501 Rel-16 | Lazaros, Friday, 23:09  Commenting  1) In 6.3.3.1 ”if the PDU session is an MA PDU session” to be added  2)” and the UE shall create a PDU SESSION RELEASE COMPLETE message” to be added.  3) Editorials in b)  is->are not available, shall further process  JJ, Monday, 04:12  Will take comments from Lazaros on board  SangMin, 01:21  We need to distinguish two cases: release of the PDU session and release of the user plane resources (for the PDU session).  But the Cr mixes the case.  JJ, Monday, 07;25  Explains the case to SangMin, pls confirm this addresses the concerns  SanMin, Tuesday, 10:50  Concrete proposal for rewording  JJ, Wed, 11:23  Proives a rev, asking for comemnts  Joy, Wed, 15:49  Requests a change | |
|  |  | | [C1-200629](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200629.zip) | Correction of release of user-plane resources | | | MediaTek Inc. / JJ | pCR 24.193 Rel-16 | Roozbeh, Thursday, 18:37  Edits  JJ, Frieday, 04.43  Fine with Roozbeh comment  SangMin, Monday, 01:27  Similar concerns as expressed for C1-200628 are also applied to this pCR.  We need to distinguish two cases: release of the PDU session and release of the user plane resources (for the PDU session).  According to the stage 2, it is clear that the PDU session release procedure actually \***release**\* the PDU session, and when it is MA PDU, it will release the PDU session for all access or over a single access. And if the user plane resources have to be released for MA PDU session (for one or both accesses), it shall be done via the CN-initiated deactivation of UP connection procedure (not NAS procedure).  So in your pCR, you seems to mix both cases.  JJ, Monday, 08:14  Explains to SangMin  .. this pCR is proposed to distinguish the two cases, i.e.,  release of the PDU session and release of the user plane resource.  FYI, the access type IE is included in PDU SESSION RELEASE COMMAND (in TS 24.501 CR#01500) for the second case.  Your comments and suggestions are welcome, thanks a lot.  SangMin, Wed, 03:49  Some suggested rewording  Other than that, we are fine with this pCR.  JJ, Wed, 12:43  Provides a rev, asking SangMin and Roozbeh whether this is fine  Joy, Wed, 14:25  Still comments on the rev | |
|  |  | | [C1-200630](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200630.zip) | Correction of "a different PLMN" | | | MediaTek Inc. / JJ | pCR 24.193 Rel-16 |  | |
|  |  | | [C1-200655](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200655.zip) | ATSSS Performance Measurement Function Protocols and Procedures | | | Apple, Deutsche Telekom, Charter Communications | pCR 24.193 Rel-16 | Revision of C1-199051  Alternative to C1-200314  Ivo, Thursday, 09:48  refers to IETF draft-ietf-ippm-stamp-option-tlv-03 which does not exist. Thus, the solution cannot be reviewed.  Krisztian, Friday, 17:58  is available at: <https://tools.ietf.org/html/draft-ietf-ippm-stamp-option-tlv-03>  Peter, Monday, 19:46  I have not seen much of discussion on the protocol for ATSSS Performance Measurement Function Protocols where we have competing CRs in C1-200655 (Apple) and C1-200314 (Ericsson).  f the situation does not change (e.g. one company withdrawing), then we will postpone both CRs out of the meeting and try resolving this in the next meeting.  Krisztian, Monday, 19:57  Agrees with Peter  Ivo, Tue, 23:52  TDoc submission deadline was 17th Feb 2020.  Start of meeting was 20th Feb 2020.  draft-ietf-ippm-stamp-option-tlv-03 was made available only on 21st Feb 2020.  Given that draft-ietf-ippm-stamp-option-tlv-03 contains major part of the solution of C1-200655, unavailability of draft-ietf-ippm-stamp-option-tlv-03 at submission deadline implies that the solution cannot be reviewed at the time set for TDoc review, i.e. between the TDoc submission deadline and the start of meeting.  **Thus, I request that C1-200655 is postponed.** | |
|  |  | | [C1-200747](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200747.zip) | service request for multiple access PDU session | | | Samsung /Grace | pCR 24.193 Rel-16 | Roozbeh, Thursday, 18:50  why is it important that the UE must be registered in different PLMNs and why this cannot be generic? If it can be generic then to me this is covered by bullet a and b  Lazaros, Friday, 23.08  We do **not see the need for the CR**. As described in "4.22.7 Adding / Re-activating / De-activating User-Plane Resources of TS 23.502 re-activation is always the same.  SangMin, 01:08  don’t understand what “confirm the same PDU session ID activated on the other access” means, and why this is required.  So in bullet y), 1) seems not needed. | |
|  |  | | C1-200760 | ATSSS 5GSM capability indication | | | Nokia, Nokia Shanghai Bell | CR 2024 24.501 Rel-16 | Withdrawn  LATE | |
|  |  | | C1-200789 | Clarification on link-specific address/prefix | | | ZTE / Joy | pCR 24.193 Rel-16 | Revision of C1-200460  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Roozbeh, Thursday, 18:21  Can be withdrawn, see comment on 458  Krisztian, Friday, 07:29  Some rewording of a NOTE  Joy, Sunday, 16:49  Ok with Krisztian suggestin  Krisztian, Sunday, 21:16  There was problems with the email subject, fine now with Joy’s reply | |
|  |  | | [C1-200807](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\update1\C1-200807.zip) | MA-PDU session activation in Restricted Service Area | | | InterDigital / Atle | pCR 24.193 Rel-16 | Revision of C1-20799  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Revision of C1-200317  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Revision of C1-200112  Mikael, Thursday, 13:23  CR seems to introduce a new term: “MA-PDU session establishment procedure”. Could we either add a definition, or maybe better, reword to e.g.:  “PDU session establishment procedure for an MA PDU session  Atle, Thursday, 16:00  Agrees that something needs to be done, provides some options  Mikael, Thursday, 16:48  Would it make sense to align with wordigin in 24.501  Roozbeh, Thursday, 17:04  This to me is not specific to ATSSS. It seems to belong perhaps to 24.501 or 24.502. Moreover, the wording seems to be stage 2ish.  Roozbeh, Thursday, 18:14  Repeats some comments  Atle, Thusrday, 18:14  Acks Mikae  Krisztian, Friday 06:56  Also vote for "UE-requested PDU session establishment procedure for MA PDU session”.  Roozbeh, Friday, 07:42  Moreover the content of the CR seems to be against what the highlighted text in yellow says. The CR proposes that the UE may initiate a PDU session in non-3GPP access vs. this stage two does not allow that and only allow the UE to act upon notification.  Is there any other related concept in stage 2 which I have missed?  Atle, Friday, 08:37  Don’t agree that this is stage-2 wording, gives examples, asks for concrete proposal from Roozebeh  Roozbeh, Fridday, 21:02  Some comments/ …**should be first resolved in either SA2 or 24.502 or 24.501**. Note that I am not against to have something like that in the ATSSS, but I do not understand why it should be structured and prioritized as you are proposing.  Just a question if this was brought up in SA2 before? I asked my “people” but they didn’t recall.  Atle, Monday, 13:51  Announcing that this will be revised to 799, all comments taken on board  Atle, Monday, 13;51  Atle, Mopnday, 13:52  Explaining the reationale to Roozbeh, hope this addresses the concern  Mikael, Monday, 14:19  Is Fine  Atle, Monday, 14:30  Acknowledging to Mikael that there are some nits, however, would like that 24.193 rapporteur takes them on board  Mikael, Monday, 14:48  Fine if Joy can do this  Atle, Monday, 15:09  Indicate the rev is 807  Joy, Monday, 16:08  Will correct all the spelling problems in the spec  Roozbeh, Monday, 19:25  Still asking questions  Can the UE in the same circumstance establish a single access PDU session?  2- Can the UE in the same circumstance establish a single access PDU session and also allows the network to upgrade it to MA PDU session?  If not, then I am wondering why? If yes, then the first bullet is not specific to ATSSS and should be in TS 24.501 or TS 24.502.  Please share your opinion  Atle, Monday 21:33  Explaining to Roozebeh, why this is ATSSS  Roozbeh, Tuesday, 03:44  Some explanation, . I have no comment on you latest revision. | |
|  |  | | [C1-200871](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200567.zip) | ATSSS Non-MPTCP traffic support | | | Apple | pCR 24.193 Rel-16 | Revision of C1-200567  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Roozbeh, Thursday, 18:31  Coments on cover page  Krisztian, Sunday, 23:58  Fine with comments, fixed them, changed some bullets | |
|  |  | | [C1-200870](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200565.zip) | ATSSS Non-MPTCP traffic support | | | Apple | CR 1948 24.501 Rel-16 | Revision of C1-200565  Joy, Wed, 10:28  Still comments  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  C1-200299 and C1-200565 are competing  Mikael, Thursday, 12:39  I think it makes sense to limit the setting of ATSSS support indication as proposed in Motorola CR (C1-200299): “If the UE requests to establish a new MA PDU session or if the UE requests to establish a new PDU session and the UE allows the network to upgrade the requested PDU session to an MA PDU session”  I propose to use one parameter with sufficient codepoints to cover the needed indication alternatives, rather than 3 individual one bit indications. With proposed separate indications there will be several invalid setting combinations that need to be evaluated and handled whereas a combined parameter limits such cases. Maybe a two bit parameter is sufficient?  Roozbeh, Thursday, 18:31  Comments via attachement  Krisztian, Friday, 05:52  Agrees with comments from Mikael, rev in the drafts folder  Rae, Friday, 07:35  Comments questions on the revision, go with existing 2 bits  Krisztian, Friday, 07:50  Asking Rae to check the rev in the drafts box  Mikael, Friday, 10:52  Rev5 almost fine, some minor comment  Roozbeh, Friday, 22:13  Some changes requested for the start of the change in subclause 6.4.2.2 and then delete the paragraph coming after the changes  Wants to see a condition (is in the rev, )  Supports Mikael  Krisztian, Sunday, 21:59  Provides new rev in drafts, asking whether this is good  Lazaros, Sunday, 23:56  Additional suggestions  Krisztian, Sunday, 00:35  New rev, asking Lazaros whether this is fin  Joy, Tuesday, 10:21  Two bits is not enough for future extensions  Krisztian, Tue, 20:08  Extended to 3bits, provides rev  Krisztien, Tue, 20:20  To Ivo, new rev  Ivo, TUed, 22:32  for ATSSS-ST field, it should be clear whether the not-assigned values are to be treated as "reserved" or as "spare". My expectation is "reserved".  Mikael, Tue, 23:02  Only a very minor fix: multiple bit parameters are specified as “(octet 3, bits 4 to 6)”  Joy, Wed. 04:33  Now asking for 4bit | |
|  |  | | C1-200927 | ATSSS PCO parameters for 5G-RG | | | Ericsson / Ivo | CR 3211 24.008 Rel-16 | Revision of C1-200286  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  CR#3211 has a dependency on agreement of pCR in [C1-200287](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200287.zip) or any of its revisions  Joy, Thursday, 09:43  CR lacks "MA PDU request" in PCO as specifined in 4.12.3.2 of 23.316:  Atle, Thursday,20:55  Cover page, issue with the two octet logic  Roozbeh, Thursday, 18:03  Issues with clause numbering and reference between 286<>287  Ivo, Friday, 10:14  Explains that the numbering and that 286 can fail in plenary if 287 does not get agreed to Roozbeh  Ivo, Fridy, 11:25  Eplains the two octets to atle  Ivo, Friday, 11:35  Explains to Joy, solution limits the amount of ATSSS information in 24.008 and provides the maximum information in 24.193.  Roozbeh, Saturday, 02:18  Fine as such, asking whether CR cover page can be used to hint at linke  Ivo, Monday, 08:58  Dependencies will be sorted out via chairman notes  Atle, Monday, 14:05  Can live with Ivo’s explanation, isn isnot the showstopper  Joy, Tuesday, 10:53  CR fine, just needs 3bit instead of 2  Roozbeh, Tuesday, 16:26  Looks ok | |
|  |  | | [C1-200928](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200287.zip) | Contents of ATSSS PCO parameters for 5G-RG | | | Ericsson / Ivo | pCR 24.193 Rel-16 | Revision of C1-200287  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Joy, Thursday, 09:42  The definition of ATSSS request PCO parameter in 6.1.x.2 needs to be update according to 5.32.6 of 23.501.  The UE ATSSS capability includes:  1) ATSSS-LL functionality with any steering mode  2) MPTCP functionality with any steering mode and ATSSS-LL functionality with only Active-Standby steering mode  3) MPTCP functionality with any steering mode and ATSSS-LL functionality with any steering mode  The definition can consider to follow the way made in C1-200565 from Apple.  Rae, Thursday, 10:00  ATSSS request IE itself overlaps with the “MA request type”bit because if UE wants to request the PDN connection to be one leg of MA PDU session, ATSSS request IE will be used, vice versa.  “MA request type”bit seems unnecessary.  Roozbeh, Thursday, 18:04  Long list of comments on the proposal  Atle, Thursday, 20:50  Logice with two octests not optimal as described in “The ATSSS response with the length of two octets PCO parameter container contents are coded as shown in figure 6.1.x.3-1 and table 6.1.x.3-1.”  Ivo, Friday, 10:00  To Atle .Does this address the comment or would you like me to change the PCO parameter name?  Ivo, Friday, 10:51  Anwers Roozebhe, is this fine??  Ivo, Friday, 10:52  To joy, will align with the agreed way forward for C1-200565  Ivo, Friday, 12:02  Answers Rae, proposes way forward, does it work for Rae?  Roozbeh, Satursday, 06:15  Asking some clarification on the usage of R-bit  Rae, Monday, 02:23  In my understanding, the “MA PDU request”indication in PCO mentioned in SA2 spec can correspond to the ATSSS request PCO parameter without the “MA request type”bit.  If UE wants to establish PDN connection as a leg of MA PDU session, no matter as the first or the second leg, UE will provide ATSSS request PCO parameter in the PCO IE, if not, UE will provide.  Joy, Monday, 08:38  Further suggestions on how the CR should look like  Ivo, Monday, 09:13  1) in this solution, coding of the ATSSS request PCO parameter in PCO IE depends on values of other IEs present in PDN CONNECTIVITY REQUEST. This is not a good design.  2) this solution is not easily extendable to indicate additional MA PDU session related actions, as the coding of the PCO parameter depends on other IEs present in PDN CONNECTIVITY REQUEST and they might be the same for those MA PDU session related actions.  If CT1 has preference for such design, I can update the CR but IMO, it is suboptimal solution.  Atle, Monday, 14:08  If all other are fine with param-names as is, I’m fine aswell  Ivo, Tuesday, 10:27  Updated the CR, rev06 available in drafts, this is according Joy’s proposal  Krisztian, TUed, 20:15  Indicating some changes in his 565  Ivo, Tue, 22:46  To Krisztian and Joy  New rev Main changes on top of those indicated below:  - ATSSS capability indications aligned with revision of C1-200565, with exception of value 000 which is "reserved" instead of "ATSSS not supported". (Reason: 5G-RG supporting ATSSS request PCO parameter supports ATSSS). Also not-assigned values are considered as "reserved".  Roozbeh, Wed, 00:23  Fine with it  Ivo, Wed, 09:01  Ivo provides a new rev  Joy, Wed, 10:46  Fine with rev3 | |
|  |  | | [C1-200929](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200288.zip) | Procedures for establishment of a PDN connection in EPS as a user-plane resource of a MA PDU session | | | Ericsson / Ivo | pCR 24.193 Rel-16 | Revision of C1-200288  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Joy, Thursday, 10:06  5.2.x, 1) and 2) under bullet c): need to update ATSSS capability with steering mode according to 5.32.6 of 23.501.  Roozbeh, Thursday, 18:06  Not a strong opinion except The text should say an MA PDU session and not a MA PDU session.  Atle, Thursday,20:30  5G-RG only, would it be useful to also identify this from the title of the new subclauses  Ivo, Tuesday, 10:28  Provides a rev  Roozbeh, Tuesday, 16:29  Fine with the draft  Krisztian, Tue20:13  Latest rev looks good | |
|  |  | | [C1-200930](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200289.zip) | PDU session ID usage when the UE is a 5G-RG and requests establishment of a PDN connection in EPS as a user-plane resource of a MA PDU session | | | Ericsson / Ivo | CR 3326 24.301 Rel-16 | Revision of C1-200289  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Roozbeh, Thursday, 18:06  Not a strong opinion except The text should say an MA PDU session and not a MA PDU session.  Ivo, Monday, 08:29  Rev in drafts folder, any comments | |
|  |  | | C1-200939 | MA PDU session and one set of QoS parameters | | | Ericsson / Ivo | CR 1896 24.501 Rel-16 | Revision of C1-200396  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Atle, Thursday, 21:03  Problems with how requirements are written, wants some rephrasing  Ivo, Friday, 09:14  Provides some suggestion on rephrasing  Atle, Friday, 09:58  Fine with the rewording wants a NW mentioned  Ivo, Monday, 08:17  please see a draft revision of C1-200396 in drafts, Changes:  - it is clarified that the UE accepts modification or deletion received via either access.  Any comments? | |
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|  | eNS | |  | Peter – Main | | |  |  | CT aspects on enhancement of network slicing | |
|  |  | | [C1-200393](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200393.zip) | Adding NSSAA result indication into Network slicing indication IE of the CONFIGURATION UPDATE COMMAND message | | | China Telecommunications | CR 1894 24.501 Rel-16 | Frederic, Thusday, 18:47  Editorials, cover page  Shzehn Friday, 11.15  Will revise once more coments are there  Ricky, Friday, 12:14  Challenges the need  The **CR needs to be rejected, not needed**  Kaj, Friday, 17:35  more or less the same view as Ricky.  The **CR should not be agreed**  **Vijay(Apple), Monday, 04:26**  **do not see a necessity for this change**. The result of NSAAA would be communicated appropriately via the Allowed and Rejected NSSAI in CONFIGURATION UPDATE COMMAND. Thus, there is no extra benefit of having an additional indicator added in Network Slicing Indication.  Sung, Monday, 19:33  Agrees with Ricky, Fei, Vijay, **not needed** | |
|  |  | | [C1-200394](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200394.zip) | Adding NSSAA failed or revoked to 5GSM and 5GMM cause IE | | | China Telecommunications | CR 1895 24.501 Rel-16 | Frederic, Thursday, 18:53  Cover page  Xu, Friday, 03:21  Asks for clarificaitonon defining new cause  Shuzeh, Friday, 11:39  Sees new 5GMM cause as needed, what would be alternative  Fei, Friday, 11:40  #62 could be sufficient  If a new cause is introduced, UE behaviour needs to be specified  Ani, Friday, 12:08  Agrees with Fei, #62 is sufficient  Xu, Friday, 15:35  Sees now the idea of the CR, still some questions  Sung, Sunday, 21:56  Introduction of new 5GMM and 5GSM cause values is not justified, what would it bring  Roozbeh, Monday, 20:23  Cause value #62 should cover the 5GMM case  For 5GSM case,  please see the Cr in C1-200415 if it covers your purpose. | |
|  |  | | [C1-200401](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200401.zip) | Definition of Rejected NSSAI due to the failed and revorked NSSAA | | | vivo / Yanchao | CR 1901 24.501 Rel-16 | Merged in C1-200352 and its revsions  Mail from Yanchao, Saturday, 07:19  Covered by C1-200352. | |
|  |  | | [C1-200354](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200354.zip) | Correcting condition for Network Slice-Specific Authentication and Authorization | | | Samsung Electronics Polska / Ricky | CR 1890 24.501 Rel-16 | Merged into C1-200697 and its revisions  Covered by C1-200697  Ricky, Thursday, 15:39  **Fine to merge this CRinto 697** | |
|  |  | | [C1-200405](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200405.zip) | Updating requirements and descriptions of NS for NSSAA | | | China Mobile | CR 1904 24.501 Rel-16 | See also C1-200352  Fei, Wed, 07:59  Revision is required as this overlaps with 352  CR seems to have formatting issues  Xu, Wed, 15:56  Provides a rev | |
|  |  | | [C1-200407](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200407.zip) | Clarification of T35xx timer during Network slice-specific authentication and authorization procedure | | | LG Electronics / Sunhee Kim | CR 1905 24.501 Rel-16 | Merged into C1-2007901 and its revisions  Covered by C1-200432  Sunhee, Tuesday, 10:19  Fine to merge into rev of 791 | |
|  |  | | [C1-200415](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200415.zip) | Network-requested PDU session release due no longer available S-NSSAI | | | Motorola Mobility, Lenovo, China Mobile | CR 1906 24.501 Rel-16 | See also C1-200395, 0704, 0695  Three different proposals in C1-200704,0695 and C1-200415  Atle, Friday, 07:50  Not clear why the existing code point is not enough, why a new cause code is needed  Ani, Fridy, 12.15  Same conern as with 704  5GSM cause would not be needed due to the following reasons:  Roozbeh, Saturday, 00:04  To Atle, reason for need the cause value in 5GSM is that the  PDU session is already established and the SMF releases the PDU session. Looking at 5GSM cause value, we could not find one we could use and therefore a new one was proposed  Lin, Monday, 11:16  Agrees with Ani, IMHO, the locally release could work well without providing any cause value as I do not see any existing cause value is appropriate for this case.  Atle, Monday, 15:15  Not yet convinced  I agree that some SM-cause must be communicated to the UE as the cause is a mandatory IE, but in my view, an important point is to secure that a slice that is not any longer appropriate to use must be moved to the rejected NSSAI. This is done by the “Rejected NSSAI”.  Is this done in a separate CR to this meeting, or is the intention to only convey to the UE a SM-cause and don’t use the “rejected NSSAI”?  Roozbeh, Monday, 20:20  To atle, see your point and I can incorporate your comment if you believe there is a need for it in this CR. I have not submitted any other CR than this otherwise  **Sung, Monday, 20:46**  agree that performing a local release on both sides should work. I would like to draft an LS to SA2 cc-ing CT4 for stage 2-stage 3 synchronization.  LS number??  Atle, Monday, 21:06  how we can handle tearing down of a context with the cause-values provided by SM and additionally taking into account the cause-codes in rejected NSSAI as needed. As I see it, your CR is currently covering the 1st part. **Some statements on the 2nd aspect would be good**.  Roozbeh, Monday, 22:37  To Atle, however, not addressing the 21:06 email  On the second thought, wasn’t your comment already covered with last meeting’s CR that the NAS MM signaling will convey the rejected NSSAI with the appropriate cause value (e.g. due to NSSAA failure or revocation)? IF that is the case so nothing else needs to be done. This CR is for a general 5GSM cause value for unavailable slice.  Fei, Tuesday, 03:42  Agrees with whate Ani said  Kaj, Tuesday, 08:09  Now a number of companies propose, related to NSSAA to use local release at the UE and the NW which is not aligned with stage 2.  **I don’t see why we should have different handlingsfor similar case depending on NSSAA or not.**  Andto my understanding it is not possible to change legacy NW slicing aswill break backward compatible.  Ani, Tuesday, 11:36  Considering these, it looks right for the UE and the SMF to simply release the PDU sessions locally based on the updated allowed/rejected NSSAI.  Tsuyoshi, Tuesday, 13:05  UE to be able to understand the cause of release (req from SA2)  If an LS out, then ask “why” instead of saying “we don’t need it”  Network needs to release RAN resources anyway  Sung, Tue, 18:59  Refers to prefivous discussion, I think that C1-**200704, 0695, 0415 need to be rejected**.  Tsuyoshi, Wed, 00:57  With the facts above, it is not entirely correct to make a decision based on the feature for Rel15 Rejected NSSAI. **In sum, we shall not agree on any CR unless it is clarified in SA2.**  Sung, Wed, 02:20  Does not agree with some of Tsuyoshis arguments  Fei, Wed, 03:21  To Tsuyhosh  It only specifiied that the AMF indicated the appropriate cause value to the SMF. This does not mean that the SMF needs the signalling to the UE.  Even the 5GSM signalling is needed to the UE, then the appropriate cause value does not mean new cause value.  SA2 will not determine which cause value is used for this case.  Lin, Wed, 10:06  **No new work for this** | |
|  |  | | [C1-200428](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200428.zip) | Work Plan for eNS in CT1 | | | ZTE | Work Plan Rel-16 |  | |
|  |  | | [C1-200429](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200429.zip) | Deleting Editors note regarding indefinite wait at the UE for NSSAA completion | | | ZTE | CR 1912 24.501 Rel-16 | See also C1-200494.  Different proposals.  Related to the outgoing LS in C1-200434  Atle, Friday, 08:03  Deleting EN without solution not acceptable, 494 provides a solution  Fei, Friday, 08:31  am not convinced that the timer in the UE is needed. Since when the NSSAA procedure is completed, the AMF will inform the result to the UE either in the allowed NSSAI or the rejected NSSAI.  Then the UE will remove the pending NSSAI. Based on this, the EN can be easily removed. There is no addtional work required in CT1.  Lin, Friday, 10:14  Want a network solution, potentially a NOTE could do  Fei, Friday, 1032  NOTE is fine for Fei  Sung, Monay, 19:13  Note is fine  Fei, Wed, 11:27  Provides a rev | |
|  |  | | [C1-200494](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200494.zip) | Prevention of indefinite wait for completion of the network slice-specific authentication and authorization procedure | | | InterDigital / Atle | CR 1929 24.501 Rel-16 | See also C1-200429.  Fei,Friday,  Indicating that comments on 429 apply on 494 as well  Fei, Friday, 1032  Clarifiyin gin NOTE is fine for Fei  Sung, Monay, 19:13  Note is fine  Peter, Wed, 13:24  Clarifying that there is a need to update this CR | |
|  |  | | [C1-200509](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200509.zip) | Requested NSSAI creation from configured NSSAI excluding pending NSSA | | | Huawei, HiSilicon/Lin | CR 1939 24.501 Rel-16 | Not pursued  See also C1-200724  Mahmoud, Friday, 20:42  Our view is aligned with what is proposed in C1-200724 but it requires other updates, updates are all given  Sung, Monday, 21:28  My view is also more aligned with C1-200724 than C1-200509  Lin, Tuesday, 05:30  Acknowledges that the scenarios are very complex and the a DISC paper might be needed | |
|  |  | | [C1-200510](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200510.zip) | Remove mobility restriction after NSSAA | | | Huawei, HiSilicon/Lin | CR 1940 24.501 Rel-16 | Merged into C1-200602 and its revsions  See also C1-200602  Lin, Friday, 03:40  Wants to merge 510 into 602 | |
|  |  | | [C1-200512](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200512.zip) | Consistent name for NSSAA | | | Huawei, HiSilicon/Lin | CR 1942 24.501 Rel-16 |  | |
|  |  | | [C1-200572](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200572.zip) | EPS selection when the UE is deregistered due to NSSAA failure | | | Samsung/Kundan | CR 1950 24.501 Rel-16 | Fei, Thursday, 09:43  Understands motivation, However I do not think the change is required  Sunhee, Friday, 09:05  Therefore, I think that It is not recommended to specify only one case.  Also, I think it is technically unnecessary.  Sung, Saturday, 05:10  Same as Fei  Kundan, Monday, 07:37  Wants to understand, where the case would already be covered (from Fei)  Fei, Monday, 07:54  Explains to Kundan  Kundan, Monday, 08:09  To Sunhee  In general, when the UE receives any cause value in a NAS message, the EPS behaviour is also specified. Here in the cause code handling nothing has specified. We should give indication to the implementer that the UE may select E-UTRAN to connect to EPS as the UE may have EPS service.  Kundan, Wed, 12:04  Explaining to Fei why this is needed, and some rewording  Kundan, Wed, 14:03  Provides a rev, would need review  Sung, Wed, 17:42  It does not any value and only brings confugsion. | |
|  |  | | [C1-200574](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200574.zip) | Handling of NSSAA at non suppoting AMF | | | Samsung/Kundan | CR 1951 24.501 Rel-16 | Fei, Thursday, 09:58  As commented during the last meeting, **this should be resolved in the CT4 spec**.  If the AMF does not support the eNS, then the UDM shall not send the corresponding S-NSSAI to the AMF. This is also clarified in the 23.501.  Kaj, Thursday, 10:26  If the AMF does not support NSSAA then no related NSSAA at all will be performed.  In addition, the UDM shall not send S-NSSAIs subject to NSSAA to non-NSSAA-supporting AMF according to 23.501.  Kundan, Thursday, 11:04  Replies to Kaj  Kaj, Thursday, 11.15  Clarifies a question from Tsuyoshi, not shown in my inbox  Kundan, Thursday, 11:18  Replies to Fei  Kaj, THursdy, 11:20  Not convinced by Kundan’s reply, sees an update of AMF-UDM interface needed -> but that is CT4  Sunhhe, Friday, 09:45  I would like to understand what scenario can be happened.  Could you clarify the scenario mentioned in this CR ?  Sung, Sunday, 02:28  Same view as Kaj  Kundan, Monday, 06:57  Explaining the case, If other delegates have similar understanding as me the then I withdraw the CR.  Tsuyoshi, Monday, 08:16  For my clarification, one is saying that UDM can not handle such issue because it does not know whether or not the AMF support NSSAA. And another is saying AMF can not handle such issue because non NSSAA capable AMF has no clue about it.  Is my understanding correct that we have an issue but this is not under CT1's responsibility?  Sung, Monday, 21:54  but the issue occurs because a network deployer does not pay enough attention for the warning that is in the spec | |
|  |  | | [C1-200575](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200575.zip) | PDN connection establishment and NSSAA | | | Samsung/Kundan | CR 1952 24.501 Rel-16 | Fei, Thursday, 10:06  The CR requires the UE to remember the S-NSSAIs in the pending NSSAI even when the UE receives the allowed NSSAI to replace the pending NSSAI. **I did not see any requirement on this**.  Additionally, the stage 2 requirement is only about the SMF/PGW behaviour and the PGW can reject the PDN connection establishment procedure in the S1 mode**. There is no requirement on the UE side for this issue.**  **Sung, Saturday, 05:14**  Agrees with Fei, furthermore, how is the association between DNN and S-NSSAI stored in the UE? Do you mean URSP? Is it used by the UE is S1 mode?  Kundan, Monday, 12:23  Answers to Fei and Sung  Sung, Monday, 22:29  Asking for more clarifity, is there any text that URSP can be used in EPS. Second, even if URSP can be used in EPS, this idea should impact 24.526, not 24.501.  Fei, Tuesday, 02:56  I am still NOT convinced that the CR is needed. | |
|  |  | | [C1-200576](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200576.zip) | NSSAA revocation function | | | Samsung/Kundan | CR 1953 24.501 Rel-16 |  | |
|  |  | | [C1-200577](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200577.zip) | Intersystem selection procedure when all allowed S-NSSAI are subject to NSSAA | | | Samsung/Kundan | CR 1954 24.501 Rel-16 | Fei, Thursday, 10:08  CR requires the UE to remember the S-NSSAIs in the pending NSSAI even when the UE receives the allowed NSSAI to replace the pending NSSAI. I did not see any requirement on this.  After the UE received the allowed NSSAI, then UE does not know which S-NSSAI is subjected to the NSSAA procedure.  **Therefore the CR is not needed**  **Sung, Saturday, 05:34**  **Agrees with Fei, Not just for NSSAA, there are other cases in which no PDU session can be continued in S1 mode, e.g. all PDU sessions are related to DNN or IPv6 multi-homing. Even for those cases, we have not specified any specific UE behavior like this.** | |
|  |  | | [C1-200579](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200579.zip) | Correction related the rejected NSSAI due to the failed or revoked NSSAA | | | SHARP | CR 1955 24.501 Rel-16 | See also C1-200352.  YOki, Tuesday, 09:39  Rev in the folder, takes out overlap with 00352  Yoko, Wed, 07:14  NEC is now co-signer  Fei, Wed, 07:50  Changes the revision from Yoko | |
|  |  | | [C1-200582](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200582.zip) | Correction UE behaviour when the UE recives the pending NSSAI | | | SHARP | CR 1958 24.501 Rel-16 |  | |
|  |  | | [C1-200584](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200584.zip) | Correction related the rejected NSSAI | | | SHARP | CR 1960 24.501 Rel-16 | Merged into C1-200462 and its revisions  Yanchao indicated this is fine  Yoko, Wed, 08:29  I’d like to marge C1-200584 into C1-200462. | |
|  |  | | [C1-200601](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200601.zip) | Discussion on eNS | | | BEIJING SAMSUNG TELECOM R&D | discussion | Lin, Friday, 02:40  Comments for all the proposals, | |
|  |  | | [C1-200604](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200604.zip) | Re-initiation of NSSAA for a registered UE | | | BEIJING SAMSUNG TELECOM R&D | CR 1972 24.501 Rel-16 | Fei, Thursday, 10:15  not happy to add the Editor' note for this issue at the current stage. If some work is required for the impact on the 5GSM procedure in the next meeting, then CAT F can be used for the essential correction.  Tsuyoshi, Thursday, 10:56  CR comes from discussion paper C1-200601(Proposal 4). And looking at "To avoid this unnecessary signalling, these S-NSSAIs can be indicated as pending NSSAI and sent to the UE with the Configuration Update Command message." in the discussion paper, we share the same view as Mahmoud. And, C1-200694 (NEC) is proposing a solution  Mahmoud, Thursday, 17:53  Regarding the EN in my CR, I can revise the CR as indicated in the discussion paper i.e. send a pending NSSAI to the UE containing the S-NSSAIs for which NSSAA is to be re-initiated.  I understand NEC (Tsuyoshi) has a similar proposal which I am also fine to purse if the necessary changes are captured.  Happy to merge with Tsuyoshi if some changes are made  Lin, Friday, 02:40  Believes CT1 can proceed without EN and provides a proposal  Mahmoud, Friday, 04:21  I am fine with the proposal of using the pending NSSAI and therefore the UE will not send any 5GSM request for any of the S-NSSAIs in the pending NSSAI.  However, thinking more about it, I believe the only exception to this would be that the UE should be allowed to release the PDU session if triggered by the UE. The release should be allowed since: a) if NSSAA succeeds, the UE will be allowed to send a request to release, or b) if NSSAA fails, the session will anyways be released by the network.  Please let me know your comments on this and we can avoid the EN and perhaps move forward with NEC’s paper. | |
|  |  | | [C1-200605](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200605.zip) | Additional triggers for deletion of pending S-NSSAI | | | Samsung/Anikethan | CR 1973 24.501 Rel-16 |  | |
|  |  | | [C1-200683](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200683.zip) | NW slice authentication and authorization failure and revocation | | | Ericsson /kaj | CR 1533 24.501 Rel-16 | Revision of C1-198772  Partly overlaps with C1-200511  Tsuyoshi, Friday, 02:29  Asks to undo deletion of EN, to avoid overlap with CT1-200694  Lin, Friday, 04:11  Detailed comments in INBOX, if they are taken on board, then Lin wants to co-sign  Ani, Friday, 14:39  *PLMN and rejected NSSAI due to the failed or revoked network slice-specific authentication and authorization shall be deleted.*  This change is not needed since it is already allowed by local policy for these slices to be re-used.  Providing the UE an allowed NSSAI would not be needed. Just providing the UE with the rejected NSSAI is sufficient. There is already text to remove an S-NSSAI from allowed NSSAI if it is in the received rejected NSSAI.  Kaj, Monday, 17:28  Fine with all of Lin’s ussgestions, wants to know whether to delete the EN three times  Kaj, Monay, 17:49  Replying to Ani, explaining, that this is start from scratch, and want to keep AMF acting correctly  Sung, Monday, 23:10  Believes that revision of C1-200704 covers this already  Ani, Tuesday, 12:58  Thinks some local policy handling is required  Lin, Wed, 10:18  Waiting for the rev | |
|  |  | | [C1-200689](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200689.zip) | No default S-NSSAI | | | Nokia, Nokia Shanghai Bell | CR 1988 24.501 Rel-16 | Postponed  Lin, Friday, 06:27  Providing 3 comments  Ani, Fridacy, 14:51  Two comments  Sung, Monday, 19:49  This is not a change for eNS, rather 5GProtoc16, asking to postpone | |
|  |  | | [C1-200690](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200690.zip) | Missing NSSAI storage for rejected NSSAI due to the failed or revoked network slice-specific authentication and authorization | | | NEC | CR 1989 24.501 Rel-16 | Merged into C1-200352 and its revisions  Covered by C1-200352  Tsuyohsi, Friday, 09:26  Fine to merge into revision of 352 | |
|  |  | | [C1-200691](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200691.zip) | Updating NSSAI status in AMF | | | NEC | CR 1990 24.501 Rel-16 | Roozbeh, Friday, 20:07  Seems related to 694, Is this proposal needed? IMO, as the S-NSSAI is currently allowed, the AMF can keep it allowed until the NSSAA procedure is completed and then decide whether to 1) keep as allowed or 2) reject it.  Tsuyoshi, Monday, 09:40  Question to Roozbeh, Things which is not clear to me is what would be the expected behavior in NW side (AMF/SMF) if a UE requests a PDU session establishment with a S-NSSAI that AMF invokes the NSSAA?  Lin, Monday, 10:42  Based on below SA2 text in 23.501, only the final result (success or failed) will be included in the NSSAA status stored at the AMF, so for the revoking of NSSAA, the AMF needs not to do so.  Tsuyoshi, Monday, 11:11  Reacting to LIN, Rationale for this CR is that NW can react on any request from the UE for the S-NSSAI(pending) appropriately.  Sung, Monday, 22:25  hard to understand what is the difference between scenarios covered by 0691 and 0694. Do you mean that even if 0694 is not agreed, there is a reason to discuss 0691  Roozbeh, Tuesday, 00:19  maintain my position. Please see my other mail which should be realted to this -> position was negative  Tsuyoshi, Wed, 01:46  To sung, Yes. They are decoupled.  To our understanding, if not by AAA server, it is only the AMF can maintain the status of NSSAA for specific S-NSSAI in the system.  The AMF requires the status of NSSAA for specific S-NSSA because for re-NSSAA, it is defined that AMF uses an S-NSSAI from allowed NSSAI. If we don't maintain "pending" status in AMF and keep it as "allowed" even if the re-NSSAA is ongoing, there may be such implementation that AMF wrongly uses the S-NSSAI.  Sung, Wed, 02:125  I see. How the AMF handles and stores should be left up to implementation because there is no multi-vendor operability issue. **So now I disagree with the CR.**  Lin, Wed, 09:38  Explaining that this can be achieved via provide a updated rejected NSSAI to include the invoked S-NSSAI(s) to the UE via UCU, which was already covered by our CR C1-200511.  Tsuyoshie, Wed, 10:19  Explaining to Lin the rational  Sung, Wed, 17:40  Arguing with Tsuyoshi | |
|  |  | | [C1-200692](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200692.zip) | AMF updates the UE NSSAI storage after network slice-specific authentication and authorization is completed | | | NEC | CR 1991 24.501 Rel-16 |  | |
|  |  | | [C1-200693](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200693.zip) | NSSAI status in AMF | | | NEC | CR 1992 24.501 Rel-16 | Roozbeh, Friday, 20:10  Proposal seems fine, some rewording needed  Tsuyoshi, Monday, 09:05  Provides rev in drafts folder, is this fine for Roozbeh?  Lin, Monday, 10:52   1. The 1st change given in sub 4.6.1 was covered by LGE’s CR C1-200352 and hence better to take it out.” 2. For allowed NSSAI,  rejected NSSAI and pending NSSAI, as they are allocated by the AMF, so I believe they will be naturally stored as UE’s context in the AMF. That is to say, without you proposed changes, these three NSSAI will be stored at the AMF until, e.g. it needs to be updated, or UE switch-off, or enter deregistered state.   Tsujoyhi, Monday, 11:09  First comment aligned  About 2nd comment, so I feel that we have the same understanding that those three NSSAIs are maintained in the AMF. For clarification it is good to explain how they are stored in the first place because the TS already captures the requirement that AMF manages(moving from pending status to allowed status or rejected status) the status of NSSAI.  How do you think about update ver as follows?  Sung, Monday, 22:17  **We don’t see a need to specify** that AMF stores pending NSSAI in the UE 5GMM context. There are many parameters that are created by the AMF and provided to the UE and it is true that some of the parameters are stored in the AMF. However, unless you make change to all those parameters, this CR only brings confusion.  Roozbeh, Monday, 00:09  Editorial comments  Tsuyoshi, Wed, 01:43  Pending NSSAI management in AMF is already captured in TS24.501. For additional clarification, we believe it is good to clarify how in the first place the AMF do that.  Sung, Wed, 02:24  I disagree from the perspective of consistency. It bring confusion towards other existing parameters. AMF implementors are not only handling this parameter.  Lin, Wed, 09:44  So I think the CR is correct but is not needed.  Tsuyohsi, Wed, 10:07  Thinks this is needed  Kaj, Wed, 10:23  Same view as Lin**, not needed** | |
|  |  | | [C1-200694](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200694.zip) | NSSAI storage at UE – pending NSSAI | | | NEC | CR 1993 24.501 Rel-16 | See also 0511, 0683  Lin, Friday, 04:28  NOT so convinced that the AMF needs to include the pending NSSAI in CONFIGURATION UPDATE COMMAND message.  Tsuyoshi, Friday, 05:10  Explains to Lin his rationale for the Cr  Mahmoud, Friday, 05:49  Same view as Tsuyoshi  Sunhee, Friday, 08:37  Some questions form Tsuyoshi  Tsuyoshi, Friday, 09:21  Explains to Sunhee his rationale for the Cr  Kaj, Friday, 12:56  share the same view as others that pending NSSAI in UCU command is not needed and should not be there.  Nothing is missing in the current spec as te EN gets deleted by 00683  Roozbeh, Friday, 19:52  We are  not sure about the benefit of this proposal…..Unless you have some work in SA2 to backup you proposal what we suggest is if an S-NSSAI is currently “allowed”, keep it as “allowed” until the NSSAA procedure runs and only if the NSSAA fails, then change the status from “allowed” to “rejected”.  Sunhee, Monday, 10:09  Explains his position asks for clarification from Tsuyoshi, If it is right, I will withdraw my comments.  Tsuyhoshi, Monday, 10:37  To Sunhee, Indeed. S-NSSAI#B is the foreseen scenario used as reasoning in reason for change.  Tsuyoshi, Monday. 13:46  Explaining to Roozbeh why the CR is needed  Sung, Monday, 17:52  issue was discussed previously and the current specification reflects the agreement that the UE is allowed to initiate 5GSM procedures for such an S-NSSAI  Mahmoud, Monday, 18:07  Supports the CR, …. To Sung: I don’t see an advantage to allow signalling (for setting up of new PDU sessions for which S-NSSAI is subject to re-NSSAA) that may end up requiring more signalling to release these sessions if the associated S-NSSAIs fail NSSAA.  Sung, Monday, 18:24  Summarizes the issue, **still against the proposal**  Kaj, Monday, 23:03  Explanation … **Given this I don’t see such optimization motivated**.  Fei, Tuesday, 02:52  **Shares Kaj view, i.e. negative**  Sunhee, Wed, 07:09  **Asking question on the proposal**  **Fei, Wed, 07:15**  Clarifies to Sunhee, only for config update command  Sunhee, Wed, 07:27  Acks Fei  Kaj, Wed, 10:12  Some answers to SUnhee | |
|  |  | | [C1-200695](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200695.zip) | Release of PDU sessions due to revocation from AAA server or re-auth failure | | | NEC | CR 1994 24.501 Rel-16 | Not pursued  Email form Tsuyoshi, Wed, 10:46  See also C1-200415 & 0704  Three different proposals in C1-200704,0695 and C1-200415  Ani, Friday, 12:28  Our comment wrt this CR would be the same as that given for C1-200394, C1-200415, C1-200704.  **We think there is no need to have a specific 5GSM cause**  Roozbeh, Friday, 20:19  do not believe that there is any need for two Cause values for this case so **we object to this CR**. The CR which should go forward is C1-200415  Kaj, Sunday, 23:46  Slightly different understanding regarding related stage-2, **don’t see that additional causes are needed** with the PDU session release message  Tsuyoshi, Monday, 02:14  Some explanation to Kaj, and Roozbeh ….  #After all,  SA2 defines two separate call flow for revocation and authentication failure in TS23.502. And consequently, they define the 5GSM cause requirement that we need an appropriate 5GSM cause for authentication failure related PDU session release (4.2.9.2 Network Slice-Specific Authentication and Authorization ) and an appropriate 5GSM cause for revocation related PDU session release ( 4.2.9.4 AAA Server triggered Slice-Specific Authorization Revocation ).  **Tsuyoshi, Monday 14:37**  **To ani, explaining why the CR is needed**  **Sung, Monday, 20:46**  agree that performing a local release on both sides should work. I would like to draft an LS to SA2 cc-ing CT4 for stage 2-stage 3 synchronization.  LS number??  Roozbeh, Monday, 23:37  Explaining his position on 695  Fei, Tuesday, 03:42  Agrees with whate Ani said  Kaj, Tuesday, 08:09  Now a number of companies propose, related to NSSAA to use local release at the UE and the NW which is not aligned with stage 2.  **I don’t see why we should have different handlingsfor similar case depending on NSSAA or not.**  Andto my understanding it is not possible to change legacy NW slicing aswill break backward compatible.  Ani, Tuesday, 11:36  Considering these, it looks right for the UE and the SMF to simply release the PDU sessions locally based on the updated allowed/rejected NSSAI  Tsuyoshi, Tuesday, 13:05  UE to be able to understand the cause of release (req from SA2)  If an LS out, then ask “why” instead of saying “we don’t need it”  Network needs to release RAN resources anyway  **Ani, Tuesday, 14:16**  opinion is that a 5GSM cause would not really matter since at the application layer there is more specific and granular cause available, i.e. local policy  Sung, Tue, 18:59  Refers to prefivous discussion, I think that C1-**200704, 0695, 0415 need to be rejected**  Tsuyoshi, Wed, 00:57  With the facts above, it is not entirely correct to make a decision based on the feature for Rel15 Rejected NSSAI. **In sum, we shall not agree on any CR unless it is clarified in SA2.**  **Tsuyoshi, Wed, 01:46**  Yes that could be one of the options for implementation. But as indicated in different mail, our stance is aligned with SA2 requirement (to define "appropriate cause").  Sung, Wed, 02:20  Does not agree with some of Tsuyoshis arguements  **Sung, Wed, 02:30**  The appropriate cause does not have to be new. And I believe that we will never be able to conclude on what “appropriate” means.  Fei, Wed, 03:21  To Tsuyhosh  It only specifiied that the AMF indicated the appropriate cause value to the SMF. This does not mean that the SMF needs the signalling to the UE.  Even the 5GSM signalling is needed to the UE, then the appropriate cause value does not mean new cause value.  SA2 will not determine which cause value is used for this case.  **Lin, Wed, 10:06**  **No new work for this** | |
|  |  | | [C1-200696](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200696.zip) | Clarification on the S-NSSAI not subject to NSSAA included in allowed NSSAI | | | Nokia, Nokia Shanghai Bell | CR 1995 24.501 Rel-16 |  | |
|  |  | | [C1-200697](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200697.zip) | Subscribed S-NSSAI marked as default and NSSAA | | | Nokia, Nokia Shanghai Bell | CR 1996 24.501 Rel-16 | Covers the change in C1-200354  Ricky, Thursday, 15:38  Comments on how the CR can be improved, is fine that his CR in 354 gets merged into a revision of this one.  Lin, Friday, 07:55  Detailed comments  Sung, Monday, 19:08  Providing rev in drafts, reflects the comments, has Samsung  Ricky, Tuesday, 11:15  Mostly OK, one issue requires an Editor’s Note  Sung, Tuesday, 17:14  To Ricky, not agreeing that the aspect he raised relates to eNS  URSP should be secured if the UE is not using default ones.  Ricky, Wed, 13:27  Still open question not agreeing with Sung  Sung, Wed, 16:38  To Ricky, if this is a problem then it is one from Rel-15 | |
|  |  | | [C1-200698](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200698.zip) | Additional conditions to the presence in the subscribed S-NSSAIs | | | Nokia, Nokia Shanghai Bell | CR 1997 24.501 Rel-16 |  | |
|  |  | | [C1-200702](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200702.zip) | Definition of pending NSSAI | | | Nokia, Nokia Shanghai Bell | CR 1999 24.501 Rel-16 | Merged into 0352 and its revisions  Sung, Monday, 14:43  Fine to merge  Covered by C1-200352. | |
|  |  | | [C1-200703](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200703.zip) | Emergency PDU session handling after NSSAA failure | | | Nokia, Nokia Shanghai Bell | CR 2000 24.501 Rel-16 | Lin, Friday, 08:14  Fine with the CR , prefer to change to “when the UE has an emergency PDU session established  Fei, Friday, 08:36  "the UE is establishing a PDU session for emergency services." shall not be removed. And it would be fine to change it to "the UE is establishing an emergency PDU session"  Sung, Monday, 19:29  Provides rev in drafts  Fei, Tuesday, 04:16  To sung, looks good  Lin, Wed, 09:56  Fine | |
|  |  | | [C1-200704](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200704.zip) | Release of a PDU session due to failure/revocation in NSSAA | | | Nokia, Nokia Shanghai Bell | CR 2001 24.501 Rel-16 | See also C1-200415 & 0695  Three different proposals in C1-200704,0695 and   C1-200415  Kaj, Thursday, 10:44  SMF given the current 3GPP specifications is not aware of that the AMF initiated the PDU session release due to revocation or failure of network slice-specific authentication and authorization.  Given this, the **current proposal cannot be agreed.**  statement “*Upon receipt of the 5GSM cause value #29 "user authentication or authorization failed" in the 5GSM cause IE of the PDU SESSION RELEASE COMMAND message, the UE shall release the PDU session.”* seems not needed as it is covered by 6.3.3.3  Lin, Friday, 08:44  Detailed comments  Ani, Friday, 12:03  Fundamental concern wrt the PDU session release part where any SMF signalling towards UE will be redundant.  Roozbeh, Friday, 20:27  3 concerns, contradicts SA2, contradicts 415, wrong cause value  Fei, Tuesday, 03:42  Agrees with whate Ani said  Kaj, Tuesday, 08:09  Now a number of companies propose, related to NSSAA to use local release at the UE and the NW which is not aligned with stage 2.  **I don’t see why we should have different handlingsfor similar case depending on NSSAA or not.**  Andto my understanding it is not possible to change legacy NW slicing aswill break backward compatible.  Tsuyoshi, Tuesday, 13:05  UE to be able to understand the cause of release (req from SA2)  If an LS out, then ask “why” instead of saying “we don’t need it”  Network needs to release RAN resources anyway  Tsuyoshi, Tuesday, 13:05  UE to be able to understand the cause of release (req from SA2)  If an LS out, then ask “why” instead of saying “we don’t need it”  Network needs to release RAN resources anyway  Sung, Tuesday, 15:06  From Fei, Which text from UCU?  Ani, Tuesday, 16;59  We are ok with the contents of the CR.  But we think the LS would not be needed since this does not add any new procedure but rather makes use of an existing procedure in CT1 scope. That said, we are ok to go by whatever is the general consensus wrt the need to send out the LS.  Sung, Tuesday, 17:45  The LS is to indicate that the stage 2 agreement is not aligned with our decision here. Let us see what other companies say.  Sung, Tue, 18:59  Refers to prefivous discussion, I think that C1-**200704, 0695, 0415 need to be rejected**  Tsuyoshi, Wed, 00:57  With the facts above, it is not entirely correct to make a decision based on the feature for Rel15 Rejected NSSAI. **In sum, we shall not agree on any CR unless it is clarified in SA2.**  Sung, Wed, 02:20  Does not agree with some of Tsuyoshis arguements  Fei, Wed, 03:21  To Tsuyhosh  It only specifiied that the AMF indicated the appropriate cause value to the SMF. This does not mean that the SMF needs the signalling to the UE.  Even the 5GSM signalling is needed to the UE, then the appropriate cause value does not mean new cause value.  SA2 will not determine which cause value is used for this case.  Fei, Wed, 03:343  My comment was to add {the similar text in subclause 4.6.3} to the configuration update procedure.  Then the change in the subclause 4.6.3 is not needed.  The comment is applied only to the draft shared by Sung.  Lin, Wed, 10:06  **No new work needed** | |
|  |  | | [C1-200724](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200724.zip) | Request S-NSSAI pending the NW slice-specific authentication and authorization | | | Ericsson /kaj | CR 2004 24.501 Rel-16 | See also C1-200509  Lin, Friday, 04:42  SA2 rquirement is broken, not aligned with some SA2 text, prefers C1-200509  Roozbeh, Friday, 20:32  Fine with the content, wants to see condition at beginning of sentence  Andrew, Friday, 20:35  What is meant with “intends to”  Mahmoud, Friday, 20:42  Our view is aligned with what is proposed in C1-200724 but it requires other updates, updates are all given  Roozbeh, Friay, 21:16  Wording can be improved  Sung, Monday, 21:28  My view is also more aligned with C1-200724 than C1-200509  Lin, Tuesday, 05:30  Acknowledges that the scenarios are very complex and the a DISC paper might be needed | |
|  |  | | C1-200778 | Removal of the use of Service area list IE during NSSAA | | | BEIJING SAMSUNG TELECOM R&D | CR 1971 24.501 Rel-16 | Revision of C1-200602  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Related to DP C1-200601  See also C1-200510.  Lin, Friday, 02:40  Asks for some rewording, wants his 510 to be merged into this one.  Mahmoud, Friday, 03:50  Ok with Lins proposal, some clarification  Lin, Friday, 04:18  Fine  Fei, Friday, 06:36  Fine with alternative in 602, and send an ls to SA2  Kaj, Friday, 15:46  Does not see that a), b), d) are needed  Mahmoud, Monday, 12:45  Explains to Kaj why things are needed  Asking for comments on 778 to make progress  Lin, Tuesday, 01;56  Agreeing with Mahmoud, rev looks good to him  Fei, Tuesday, 02:17  was in the subclause 4.6.2.4, some wording should be added.  Mahmoud, Tuesday, 05:22  Huawei, Hisilicon added as co-signer  Mahmoud, Tuesday, 05:23  Acks Fei’s request | |
|  |  | | C1-200790 | tPending NSSAI update for the configured NSSAI in the CUC message | | | ZTE | CR 1914 24.501 Rel-16 | Revision of C1-200431  Lin, Wed, 06:10  Fine  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Kaj, Thursday, 10:17  not yet fully convinced of the proposal, reasons are provided  Summary of changes does not match the changes  Sung, Sunday, 02:24  Our view is that update in configured NSSAI does not directly impact pending NSSAI. Change in configured NSSAI can result in renewal of allowed NSSAI and when allowed NSSAI is renewed, pending NSSAI will be updated as well. So we can simply remove both bullet 5) and the EN  Lin, Monday, 04:13  To Sung and Kaj, Just removing the pending NSSAI works for me.  Lin, Monday, 07:24   1. I have the same comments as Sung, it is a valid case that there is overlapped S-NSSAI(s) between C-SNSSAI and P-NSSAI temporarilly. So just remvoe the 5th existing bullet and the EN is enough. 2. If going to above 1, then cover page needs to be updated. 3. Should be categary F CR.   Fei, Mondy 08:16  Rev in drafts folder, all taken on board | |
|  |  | | C1-200791 | Cleanup for NSSAA message and coding | | | ZTE | CR 1915 24.501 Rel-16 | Revision of C1-200432  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  See also C1-200392.  Also covers the changes in C1-200407  Lin, Monday, 07:41  I have a concern on defining a new HPLMN S-NSSAI IE format.  Fei, Monday, 07:49  As indicated to Sunhee, I am fine to go with the proposal in 0392.  Maybe you can check the 0392 discussion.  Fei, Monday, 08:21  New rev in drafts folder, overlap with 392 has been removed, asking Sunhee whether it is fine to merge 407 into revision of 432  Lin, Wed, 09:23  Pls untick UE  Fei; Wed, 09:36  Message IEI is update, i.e. UE is impacte | |
|  |  | | C1-200794 | UE behaviour for other causes in the rejected NSSAI during deregistration procedure | | | ZTE | CR 1913 24.501 Rel-16 | Revision of C1-200430  Fei,Wed, 03:57  Providing a rev, asking for review  Lin, Wed, 06:08  Fine  Kaj, Wed, 16:30  FINE  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Kaj, Thursday, 09:40  Almost fine, however, Maybe better the UE just ignores S-NSSAIs associated with "S-NSSAI not available in the current registration area" as it does not make sense that the network sends the reject cause for this use case.  Fei, Friday, 03:32  To kaj, as you are now OK with the proposal in the C1-200433, I assume that  you would be also OK with this similar proposal in the deregistration procedure  Sunhee, Friday, 10:12  Change seem not related to eNS, rather 5GProtoc  Fei, Friday, 10:26  Explains CR addresses the UE behaviour regarding the cause #62. In the past few meetings, this cause was handled in the eNS WI. Maybe you can check the agreed CR e.g. C1-196971 in CT1#120 meeting  Lin, Monday, 06:34  Provides detailed comments to Fei  Fei, Monday, 08:13  All comments taken on board, rev in drafts folder | |
|  |  | | C1-200795 | Rejected NSSAI during the initial registration procedure | | | ZTE | CR 1916 24.501 Rel-16 | Revision of C1-200433  Kaj, Wed, 16:25  FINE  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Kaj, Thursday, 09:41  To my understanding when the UE is deregistered over an access then the TAI list is invalid.  Given this I don’t see why the UE shall remove the S-NSSAI from allowed NSSAI as the UE will not have a TAI list available during initial registration i.e. the UE is not aware about any registration area. But of course, because no TAI list and at least no rejected NSSAI for RA the UE could also request S-NSSAIs from configured NSSAI if available.  The UE could just ignore S-NSSAIs associated with "S-NSSAI not available in the current registration area" as it does not make sense that the network sends the reject cause for this use case.  Fei, Thursday, 12:13  Explains why the situation can occur and something is needed to avoid the deadlock  Kaj, Thursday, 21:10  Acks the explanation from Fei, OK with the CR  Yoko, Friday, 06:11  Commenting that In this case, the UE should be able to use S-NSSAI-A as requested NSSAI in the registration request messgae in new RA.  Fei, Friday, 07:34  Explains to Yoko the rationale  Yoko, Friday, 09:16  Fine with Fei explanation, new questions  Fei, Monday, 04:19  Explains to Yoko why there is no need to add extras  Lin, Monday, 06:21  agree that current ingoring handling is not so good and better to not go this way.  However, provides an alternativ  Yoko, Tuesday, 06:08  Not agreeing with Fei  Fei, Tuesday, 06:57  Does not see the argument from Yoko,  Kaj, Tuesday, 18:26  Almost fine, some chnages on the cover page  Fei, Wed, 03:55  To Kaj, all comments taken on board in the rev  Yoko, Wed, 06:07  Fine with the revision  Lin, Wed, 09:26  FINE | |
|  |  | | [C1-200796](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\update1\C1-200796.zip) | Alignment of error codes with 3GPP TS 24.501 | | | InterDigital / Atle | CR 0683 27.007 Rel-16 | **Revision of C1-200320**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **Has to be shifted to 16.2.2**  Revision of C1-200315  Sunhee, Friday, 10:04  the TS27.007 error code names should be change to the same error code name described in TS24.501.  Atle, Friday, 10:29  Will fix this  Atle, Monday, 10:27  This is rvised to 796 | |
|  |  | | [C1-200797](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\update1\C1-200797.zip) | Cleanups of the Pending NSSAI | | | InterDigital / Atle | CR 1869 24.501 Rel-16 | Revision of C1-200318  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Revision of C1-200113  Lin, Friday, 09:51  Some minor comment  Atle, Frida, Friday, 09:52  Will take Lin comment on board  Ricky, Friday, 11:39  Wording needs improvement  Atle, Monday, 11:01  All comments taken on board, rev is 797  Sung, Monday, 22:44  I am reluctant to the use of rejected S-NSSAI, which is not defined even though the TS is contaminated with the term. If you want to use it, I request for you to define it in section 3.1.  Lin, Wed, 05:00  To Sung, there are other terms that are used without definition use “rejected S-NSSAI” is fine as it just refers a single S-NSSAI included in a rejected NSSAI.  Sung, Wed, 05:48  Accepts that the spec is contaminated with some undefined terms, can live with it | |
|  |  | | [C1-200813](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\update1\C1-200813.zip) | Handling of S-NSSAIs in the pending NSSAI | | | LG Electronics / Sunhee | CR 1889 24.501 Rel-16 | Revision of C1-200352  Tsuyhoshi, Tuesday, 05:58  Pls add NEC as co-signer  Sunhee, Monday06:13  Reacting to latest comments form Sung, they are taken on board  Yoko, Tuesday, 06:37  Fine with the rev, pls add Sharp  Yanchao, Tuesday, 08:09  Some minor modifications to the rev  Sung, Tuesday, 16:37  The e-mail thread “[16.2.6\_C1-200694]” reveals that there are some companies who do not want to send pending NSSAI whenever re-auth is initiated.  Lin, Wed, 05:11  Not all his proposals are reflected,  Sunhee, Wed, 06:47  Will add china mobile as co-signer  Sunhee, Wed, 07:09  Acks to Sung that there is some coordination to 694, will be done  Sunhee, Wed, 07:49  Addressing Lins comments  Tsuyohi, Wed 08:09  352 does not relate to 694  Sung, Wed, 17:15  Explaining to Tsyuo  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  See also C1-200318 & 0405 & 0579  Covers the change in C1-200702.  Covers the change in C1-200401.  Covers the change in C1-200690  Sunhee, Thursday, 12:42  Offers an attempt to merge from the above mentioned CRs what is possible to merge. The related revision is their in the inbox/drafts  Tsuyoshi, Thursday, 13:50  Tsuyoshi confirms that 690 is correctly included in in the rev from Sunhee, but wants to see how this evolves  Kaj, Thursday, 14:02  There is an additional overlap with C1-200683  Atle, Thursday, 15:22  Ok to take out overlaps of 318, want to co-sign 352  Sunhee, Frday, 07:11  Acks Atle, new rev in drafts folder  Yoko, Friday, 09:08  Fine to ake out thing sfrom 579  Lin, Friday, 09:43  Some comments  Ani, Friday, 14:18  Issue with the definition of *Rejected NSSAI due to the failed or revoked network slice-specific authentication and authorization*  Yanchao, Saturday, 07:20  I would like to second Lin’s comment of using a shorter name for “rejected NSSAI due to the failed or revoked network slice-specific authentication and authorization” as “rejected NSSAI due to the failed or revoked NSSAA”.  Sunhaee, Monday, 08:39  Vivo is added to latest rev in the drafts folder  Sunhaee, Monday, 08:46  Lin and Yanchao comments fixed.  Sunhaee, Monday, 09:20  Ani comments taken on board, further commenting  Lin, Monday, 0352  Further comments on the rev  Xu, Monday, 11:18  Wants to co-sign, will remove overlap from 405  Sung, Monday, 23:01  Providing comments, requesting that outcome of 694 disc needs to be taken into account | |
| 17 |  | | C1-200830 | Clarification on HPLMN S-NSSAI | | | LG Electronics / Sunhee Kim | CR 1893 24.501 Rel-16 | Revision of C1-200392  Sunhee, Wed, 04:22  Explaining to Kay why “*in the S-NSSAI(s)*”?”  Lin, Wed, 06:05  FIne  Sung, Wed, 16:53  Fine, there are two editorials in the NOTE 5  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  See also C1-200432.  Different proposals.  Fei, Thursday, 09:31  CR has some overlaps with CR in the 0432.  In this CR, it is proposed to re-use S-NSSAI IE.  In 0432, a new IE is proposed.  I have no strong preference. However, if re-using the existing IE, then I think it is better to add a table note in the S-NSSAI IE subclause. Then there is no need to touch the description in the subclause 5.4.7.1.  Sunhee, Thursday, 13:04  Fine with comment from Fei,, revises accordingly  Lin, Friday 03:16  Fine with Sunhee proposal, will remove any overlap in revision of C1-200432  Lind, Friday, 09:43  Comment on the rev in the drafts folder  Sung, Sunday, 00:12  It is not entirely clear to me how the CRs (0392 and 0432) will evolve. Thus, let me make my comment based on the current versions.  **This CR (0392) is not needed** because in subclauses 5.4.7.2.1, 5.4.7.2.2, and 5.4.7.3.1, it is clarified that the S-NSSAI IE includes the HPLMN S-NSSAI.  Sunhee, Monday, 00:48  To sung  Could I ask what is your exact opinion ?   1. The intention of CR is wrong. (already HPMN S-NSSAI definition is clear) 2. The intention of CR is correct but way to CR evolve is wrong   Fei and I think HPLMN S-NSSAI definition is not clear, so we think CR changes are needed, (even though the way to CR evolve is not correct).  Lin, Monday, 10:29  I would prefer to re-use the existing IE format but would be fine to add a table NOTE in the Table 9.11.2.8.1, e.g. as below. Note that it is not only for NSSAA but also for the case that when the UE is accessing its HPLMN, provides text for the NOTE  Ricky, Monday, 13:43  Fine in general, similar concern as Sung, a rev of 392 is needed if this should go foreard  Sung, Monday, 22:37  Anyways, now it became clear that a revision of 0392 will clarify something in the coding part, I can live with it.  Sunhee, Tuesday, 09:09  Confirms there is noverlap anymore to Sung  SUnhee, Tuesday, 09:40  Informs that the is a rev2  Kaj, Tuesday, 16:01  Question for clarificaitokn | |
| 5 |  | | C1-200898 | ENs resolution for revoked or failed NSSAA | | | Huawei, HiSilicon/Lin | CR 1941 24.501 Rel-16 | Revision of C1-200511  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  See also C1-200683, C1-200694 | |
|  |  | | [C1-200868](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200399.zip) | Update to registration procedure due to eNS | | | vivo / Yanchao | CR 1899 24.501 Rel-16 | Revision of C1-200399  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Kaj, Thursday, 11:08  problems to identify a scenario that motivates the proposal.  …….Given this, an AMF that receives a S-NSSAI in requested NSSAI that has the status “not-authorized” have to initiate a re-NSSAA procedure following the registration accept message (with the S-NSSAI in the pending NSSAI).  Yanchao, Thursday, 12:31  Explains to Kaj, why the CR is correct  Kaj, Thursday, 21:29  Agrees with some of Yanchao’s explanation, more questions  I’m not yet fully convinced but we are closer.  Yanchao, Friday, 05:13  Explains rational, Kaj, are you OK?  Sunge, Monday, 18:13  **I do not think that** **the stage 2 requirement** on the UE context in AMF including the result of the NSSAA **justifies changes in this CR**  **Yanchao, Tuesday, 09:39**  **Explaining to Sunge why the CR is justified**  Fei, Tuesday, 10:23  Motiviation is fine, but wants to see rewording  Tsuyoshi, Tuesday, 13:30  Does not want to take Fei’s proposal on board  Kaj, Tuesday, 15:40  Intension goes in right direction, but there need to be more changes  Yanchao, Tuesay, 15:58  Offers “optionally” to kaj  Kaj, Tuesday; 17:12  Optionally works, CR is fine  Sung, Tuesday, 17:45  “Optionally” works  Fei, Wed, 03:34  fine | |
|  |  | | C1-200922 | Name of the rejected NSSAI cause values | | | vivo | CR 1921 24.501 Rel-16 | Revision of C1-200462 | |
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|  | Vertical\_LAN | |  | Peter – Main | | |  |  | CT aspects of 5GS enhanced support of vertical and LAN services  TS 24.534 has been withdrawn  Is TS 24.535 sufficiently stable to be sent to CT#87-e for approval  Is TS 24.519 sufficiently stable to be sent to CT#87-e for approval? | |
|  |  | |  |  | | |  |  | Stand-alone NPN | |
|  |  | | [C1-200762](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200762.zip) | Work plan for CT aspects of Vertical\_LAN | | | Nokia, Nokia Shanghai Bell | discussion Rel-16 |  | |
|  |  | | C1-200767 | Work plan for CT aspects of Vertical\_LAN | | | Nokia, Nokia Shanghai Bell | discussion Rel-16 | Revision of C1-200762 | |
|  |  | | [C1-200551](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200551.zip) | UE receives CAG information in SNPN access mode | | | Huawei, HiSilicon/Cristina | CR 1946 24.501 Rel-16 | Lena, Thursday, 09:03  Overall ok with the intent of the CR but there are some editorial issues as the new text does not read well:  Cristina, Friday, 03:49  Ok with proposal from Lena, will provide revsion | |
|  |  | | [C1-200587](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200587.zip) | Correlation of SNPN entry stored in ME and USIM | | | Samsung/Kundan | CR 1963 24.501 Rel-16 | Lena, Thursday, 09:05  we prefer the alternative in C1-200686 which leaves USIM selection up to UE implementation in Rel-16 | |
|  |  | | C1-200591 | Modification of the allowed CAG list | | | Samsung/Kundan | CR 1965 24.501 Rel-16 | Postponed  Document was LATE | |
|  |  | | [C1-200599](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200599.zip) | Handlig of PLMN specific NID | | | Samsung/Kundan | CR 1969 24.501 Rel-16 | Lena, Thursday, 09:03  terminology proposed by this CR is not aligned with that in CT4 spec TS 23.003, current wording in 24.501 fine as is, CR is not needed  Ivo, Thursday, 10:37  not clear what "PLMN defined unique SNPN identity" is, CR might not be needed  Sung, Tuesday, 17:53  Support comments form Ivo, Lena | |
|  |  | | [C1-200333](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200333.zip) | Removal of Editor’s note on the use of the NOTIFICATION message in SNPNs | | | Qualcomm Incorporated / Lena | CR 1882 24.501 Rel-16 |  | |
|  |  | | [C1-200334](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200334.zip) | Updating length of NID | | | Qualcomm Incorporated, Ericsson, Nokia, Nokia Shanghai Bell / Lena | CR 0115 24.502 Rel-16 |  | |
|  |  | | [C1-200470](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200470.zip) | Clarification of the rejected NSSAI cause value | | | vivo | CR 1926 24.501 Rel-16 |  | |
|  |  | | [C1-200505](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200505.zip) | 5GMM cause #72 not used in SNPN | | | Huawei, HiSilicon/Lin | CR 1936 24.501 Rel-16 | Lena, Thursday, 09:05  change is also covered in C1-200739  Ivo, Thursday, 16:39  **5GMM cause #72 "Non-3GPP access to 5GCN not allowed" can be used to inform the UE that the access to SNPN** via PLMN is not possible (while access to SNPN via 3GPP access is possible)  Lin, Saturday, 09:16  To Ivo Explaining why new cause is needed  Lin, Saturday, 09:20  To Lena  I tend to say it is not the case that “the same change is also covered in C1-200739”.  Actually C1-200739 is going to a totally opposite direction than my CR. So it is not the case that the change of my CR was covered by C1-200739. I will provide my comments on 200739 in a separate email.  Marko, Monday, 07:27  Rel-16 UE shall not attempt directly to SNPN over non-3GPP access.  Nokia's CR in C1-200739 propose the cause would be useful in case the UE attempts indirect access over non-3GPP.  So, **I think cause#72 is potentially useful and should not be removed from SNPN use**.  Ivo, Monday, 12:41  access to SNPN via PLMN is seen as non-3GPP access since NWu is used and NAS handling for non-3GPP access applies.    **Thus, IMO, #72 can be used when the UE attempts to access SNPN via PLMN**.  Lin, Tuesday, 04:00  To Ivo and Marko  Not against the idea, however, different proposal -> Hence, to make the UE handling simpler and future proof, we need a new cause value for accessing SNPN via PLMN is not allowed in R16, while reserve #72 for future release in which accessing SNPN directly via non-3GPP access (e.g. WiFi) is not allowed.  Sung, Tuesday, 05:28  Does not agree with Lin  Lin, Tuesday, 16:34  Does not agree with Sung, provides explanation for the CR  Sung Tuesday, 17:01  Not agreeing with Lin  Ivo, Tue, 19:47  Not agreeing with Lin  Lin, Wed, 04:41  To sung  That is why I said to reuse #72 for accessing SNPN via PLMN is not a future proof way forward.  Sung, Wed, 04:51  TO Lin  Both solutions require clarification on #72 anyways. So I see no big issue of futureproof-ness.  Lin, Wed, 10:30  To me your below proposal sounds a little strange that the NW use a different cause for ‘real’ non-3GPP access but re-used the #72 for a pseudonymous non-3GPP access. It is also not consistent between PLMN and SNPN.  Ivo, Wed, 12:05  Explaingin based on 24.501 why #72 is appropriate  Sung, Wed. 14:40  Anyways, introduction of a new 5GMM cause value is not well-justified. | |
|  |  | | [C1-200506](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200506.zip) | Correction on term “non-3GPP access” used in SNPN | | | Huawei, HiSilicon/Lin | CR 1937 24.501 Rel-16 |  | |
|  |  | | [C1-200600](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200600.zip) | Handling of LADN infotmation when the UE operating in SNPN access mode | | | SHARP | CR 1970 24.501 Rel-16 | SangMin, Thursday, 12:18  I understand the intent of this CR. However, I’m not sure if SA2 has discussed on whether LADN is applicable to SNPN. As per current specs and agreed CRs in Jan SA2 meeting, I can’t find any stage 2 requirement on this scenario. Moreover, both LADN and NPN are introduced to support (geographically) localized services. So I’m wondering if there’s any use cases that apply both redundant technologies at the same time.  Yudai, Fridy, 11:25  agree with you that SA2 has not discussed on whether LADN is applicable to SNPN.  If there are no scenario that LADN and SNPN are applied at same time, I think it should be specified in CT1 spec that the LADN information shall not be provided to the UE if the UE is operating SNPN mode in order to avoid a misunderstanding.  SangMin, Monday, 07:15  For either cases whether LADN is applicable to SNPN or not, we need clear guidance from the stage 2, since this is not just a protocol issue but more likely to be a high-level requirements issue.  **At this moment, we don’t see any clear stage 2 requirement for your CR, so we would like to propose to postpone this CR in this meeting**. Rather, it may be good to ask SA2 about the applicability of LADN within SNPN.  Sung, Tue, 20:13  Does not agree with SangMin  SangMin, Wed, 07:12  As I said, I’m okay to ask SA2 on this aspect**, but not okay to define some functionality without stage 2 analysis and requirements**  Sung, 07:13  To SangMin, disagrees with the argument on granularity  Yudai, Wed, 07:46  Wants to know whether an LS is needed, his view is that SA2 does not specify relation between LADN and SNPN, LADN can be used even if the UE selects SNPN.  SangMin, Wed, 10:07  . This is stage 2 area and CT1 cannot assume that “LADN is applicable in SNPN since stage 2 didn’t clearly prohibit it”.  Thanks.  Sunge, Wed, 14:34  Requests SangMin to work on an LS | |
|  |  | | [C1-200686](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200686.zip) | UE identifier for SNPN | | | Nokia, Nokia Shanghai Bell, Qualcomm Incorporated, Vodafone, Charter Communications, NTT DOCOMO, Ericsson | CR 0498 23.122 Rel-16 | Ly-Thanh, Friday, 10:59  he CR is missing to address the case where the USIM may be used to authenticate to several different SNPNs that differ by their NID part and more explanation .  Lena, Monday, 00:59  I don’t understand why the NID information would be needed in the USIM: the NID is stored in the ME in the list of subscriber data and this is sufficient (there is no need for the ME to “populate” this list, it is provisioned to the ME). Hence I don’t the note is needed, and I also do not think the CT6 CR is needed.  Kundan, Tuesday, 09:49  Current form of the CR is incorrect, as SUPI of IMSI type always has to use 5G AKA and EAP AKA  Sung, Tue, 21:01  To Kundan, I agree with the comments from Lena.  Kundan, authentication method is chosen by the network.  So if the network uses AKA, the text basically says that there is no need to search SUPI in the ME. The SUPI can exist in the ME even in this case, but it is not used. You misinterpreted the CR.  Lena, Wed, 01:26  Credentials means identifier + keys, not just the keys. So when 5G AKA or EAP-AKA’ are used in an SNPN, then there is no identifier (whether it is an NSI or an IMSI) stored in the ME for the SNPN. **Hence the current text in the CR is correct**. | |
|  |  | | [C1-200735](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200735.zip) | Correction in UE ehaviour upon receipt of 5GMM cause value #74 or #75 via a non-integrity protected NAS message | | | Nokia, Nokia Shanghai Bell | CR 2010 24.501 Rel-16 | Ivo, Thursday, 1644  No aligned with 23.122  - if preference is to change 23.122 along the proposed 24.501 change, then why is T3247 set to a shorter value for #74 (as in "15 minutes and 30 minutes for 5GMM cause value #74") than for other 5GMM causes?  Lin, Saturday, 10:46  1. The intention of the CR to align with the same handling for 5GMM #11 is not fully correct as what current specified UE handling for 5GMM #11 the CR want to align is only for VPLMN but SNPN currently does not support roaming. So the current text in 24.501 is correct which is aligned with the current specified UE handling for 5GMM #11 for HPLMN.  2. It seems what needs to be updated is in TS 23.122 to remove the 2nd bullet as shown in the cover page.  Sung, Tue, 20:06  Defending the proposal  Lena, Tue, 22:03  We support the changes in C1-200735, but we agree with Ivo’s comment that the text in TS 23.122 needs to be aligned.  Sung, Tue, 22:31  If agreeable to evveryon, then Sung wants a new CR against 23.122, provides wording  Lin, Tue, 03:30  Detiailed comments  Sung, Wed, 04:42  Provides a rev of the 24.501 CR addressing all of Lin’s comment  Lena, Wed, 05:40  Providing updates to the text for the 23.122 CR  Peter, Wed, 09:22,  Clarified that it is too late for a new CR  Ivo, Wed, 09:44  Wants to see **both crs in same meeting, wants 735 to be postponed**  Sunge, Wed, 14:27  Ivo,I don’t understand why you are OK with the #11 VPLMN text and not OK with the #74/75 text. My understanding one should equally be OK or not OK for both | |
|  |  | | [C1-200737](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200737.zip) | Introduction of SNPN-specific N1 mode attempt counters | | | Nokia, Nokia Shanghai Bell | CR 2011 24.501 Rel-16 | Lin, Saturday, 10:53  1. The reason for change “However, similar to the PLMN, dedicated counters for SNPN-specific N1 mode attempt should be introduced” is not correct, as for PLMN it has different RATs (G/U/L/NGRAN) but for SNPN so far it only has one RAT (NG-RAN). So you cannot just copy the same logic from PLMN to SNPN here.  2. Then, the proposed changes are not needed and to use the existing SNPN-specific attempt counter is enough which is only applied to N1 mode only, i.e. added “SNPN-specific N1 mode attempt counter” = existing “SNPN-specific attempt counter”  Marko, Monday, 08:13  Wondering why to add new counters for "N1 mode" while there is already existing ones for SNPN over 3GPP access and non-3GPP access... Looks like new ones are unnecessary duplicates. If necessary, would addition of “N1 mode” in the name of existing ones fix the (possible) issue?  Sung, Tue, 20:23  To Marko, So last year I proposed to prohibit the use of #27 in an SNPN because it will bring the basically same effect as #75 as there is no other RAT. But people wanted to allow #27. Why did CT1 decided to allow #27 then?  Currently it is only NG-RAN, but in the future 6G radio access network can be an available RAT for an SNPN. Then, we need to distinguish N1 mode prohibition from SNPN prohibition.  SNPN-specific attempt counters are for managing forbidden SNPNs list and SNPN-specific N1 mode attempt counters are for managing list of SNPNs for which N1 mode cap is disabled.  Then, question back to you: do you want the UE to add the SNPN ID to the forbidden SNPN list if #27 is received rather than the list of SNPNs for which N1 mode cap is disabled? See a relevant discussion in terms of C1-200736.  Lin, Wed, 03:44  To Sung  Then we can add it in 6G as we now added N1 mode in 5G, not in 4G.  #27 is used in SNPN is due to RAT restriction.  #75 is used in SNPN due to subscription restriction.  Sung, Wed, 04:26  Asking Lin  Upon receipt of #27:  should the SNPN be added to a list of SNPNs for which N1 mode capability is disabled or  should the SNPN be added to temporarily forbidden SNPN list or  should the SNPN be added to permanently forbidden SNPN list?  Marko, Wed, 13:37  Has a different proposal for the counter names  Sung, Wed, 14:33  Asking questions from Marko | |
|  |  | | [C1-200738](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200738.zip) | N1 mode capability disabling and re-enabling for SNPN | | | Nokia, Nokia Shanghai Bell | CR 2012 24.501 Rel-16 | SangMin, Thursday, 12:59  Clearly, SNPN is not supported by EPC. So where does it go after “disabling **N1 mode capability** for a registered SNPN”? there’s no other choice for the UE but staying in DEREGISTERED state for N1 mode. The described behavior seems to be SNPN re-selection, but seems not related to the **disabling N1 mode capability mechanism**.  Lin, Saturday, 14:05  Some comments  Sung, Tue, 18:10  Provides a rev addressing  Lin, Wed, 03:46  I think to add that NOTE in sub 4.9.3, cannot fly because the disabled/enable N1 mode capability for non-3GPP access in this subclause can only refer the non-3GPP access capability (e.g. WiFi)  For access to SNPN services via a PLMN, at the UE side, its access capability is still 3GPP access, so what disabled/enabled UE's N1 mode capability for SNPN can only be 3GPP access, i.e. in sub 4.9.2.  So sub 4.9.3 need not to be touched, otherwise, it will create confusing.  Sung, We, 05:07  Has a proposal to Lin, what do you think  SangMin, Wed, 09:48  What I said previously was that the original purpose of the disabling “specific access mode” capability functionality was to select other access mode \***within**\* the PLMN. As you specified in the thread for 0737, if we had alternative access within the SNPN e.g. 6G, this “disabling” feature is definitely required. But we only have one choice for SNPN as of Rel-16, i.e. N1 mode.  The UE behavior is technically correct, e.g. enter deregistered state and select another SNPN, but as I said, I’m not sure whether this behavior needs to be introduced as part of “disabling N1 mode for SNPN” functionality.  Alternative way is that add the same behavior under the UE behaviors for reception of 5GMM cause #27. I guess this is somewhat related to the discussion on 0737. We don’t have strong preference on how to handle the SNPN list for which N1 mode is not allowed, e.g. using one of the existing forbidden SNPN list or using UE implementation specific way  Sung, Wed, 14:37  I don’t understand why it should be UE-implementation-specific when we can copy the PLMN behavior. Is there any specific reason why LGE wants the deviation? | |
|  |  | | [C1-200739](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200739.zip) | #72 applicable and #31 not applicable in an SNPN | | | Nokia, Nokia Shanghai Bell | CR 2013 24.501 Rel-16 | Lin, Saturday, 09:37  Providing three comments  Lena, Saturday, 19:20  we support making cause #31 not applicable to SNPNs in Rel-16.  For #72, we would prefer to make it not applicable to SNPNs since SA2 indicated in C1-200234 that “Access to SNPN over Trusted non-3GPP access and Wireline access are not supported in Rel-16. Regarding whether access to SNPN via Untrusted non-3GPP access is supported in Rel-16, SA2 could not reach a consensus  With this I am fine to make it clear in our spec that CIOT is not supported in SNPN in R16.  Then I just recalled that during the discussion on a set of CR related to adding new UAC category type for SNPN, it has added below EN in the revision of C1-200677. If now we all agree that CIOT is not supported for SNPN, then below EN is not needed and nothing needs to be done for SNPN for UAC for exception data.  “Editor's note [WI: Vertical\_LAN, CR#1938]: It needs to be verified if NB-IoT (MO exception data) is also applicable for SNPN.”  For #72, if I got your below comments correctly, you do support our CR C1-200505 proposal, right?  Sung, Tuesday, 05:30  To Lena, The use of #72 in an SNPN is not for non-3GPP access in the context of untrusted/trusted non-3GPP access or Wireline access. It is about restricting access to SNPN services via a PLMN.  Ivo, Tuesday, 15:09  Agrees with Sung, wants to co-sign  Lena, Tuesday, 15:20  Fine with the CR  Yanchao, Tuesday, 15:46  Wants some update in subclause A.2  Sung, Tue, 21:21  Provides a rev, asking for review  Lin, Wed, 04:57  I still see to reuse #72 for accesses SNPN services via a PLMN is not a future proof way.  Sung, Wed, 05:01  Provides a rev to Lin, asking for review | |
|  |  | | [C1-200740](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200740.zip) | T3245 in an SNPN | | | Nokia, Nokia Shanghai Bell | CR 2014 24.501 Rel-16 | Postponed  Vishnu, Friday 15:03  CR 1803 was not agreed in the last meeting. Without CR 1803, the proposed changes in C1-200740 looks out of place. So we propose to postpone this CR. | |
|  |  | | [C1-200742](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200742.zip) | Handling of 5GMM cause values #62 in an SNPN | | | Nokia, Nokia Shanghai Bell | CR 2016 24.501 Rel-16 | Ivo, Thursday, 16:47  - CR adds "an entry of the "list of subscriber data" with the SNPN identity of the current SNPN is updated" in a few places in 24.50. However, such addition would be applicable in many other places, including 5GSM congestion control statements. Will the rest of the TS be fixed too?  Sung, Tue, 19:31  As the title of the CR says, for now I would like to focus on the new cause value introduced in the last quarter. However, as a rapporteur, let me bring a cleanup CR for the next meeting, if seen needed.  Ivo, Tue, 21:44  If you confirm that you will prepare such cleanup CR for the next meeting, I am OK with C1-200742.  Sung, Tue, 21:45  Will bring the CR | |
|  |  | | [C1-200745](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200745.zip) | 5GMM cause value #74 in an SNPN with a globally-unique SNPN identity | | | Nokia, Nokia Shanghai Bell | CR 2019 24.501 Rel-16 | Ivo, Thursday, 12:13  Work item missing on cover page, ericsson wants to co-sign  Sung, Tue, 19:18  fixed | |
|  |  | | [C1-200746](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200746.zip) | Display of the human readable name of an SNPN | | | Nokia, Nokia Shanghai Bell | CR 0503 23.122 Rel-16 | Lena, Thursday, 09:05  CR assumes that a human readable network name will be configured at the ME, not broadcast in SIB. However the input I got from my RAN2 colleagues is that whether the human readable network name is broadcast in SIB was still FFS as of the end of the Reno November meeting  Ivo, Thursday, 16:48  Not clear where the HRNN is from  Sung, Tue, 18:18  My intent was to say that an SNPN displayed to the user can be associated with an HRNN. But I agree that the way that I described is misleading. How about:  The MS indicates to the user one or more SNPNs, which are available and each of them is identified by an SNPN identity in an entry of the "list of subscriber data" in the ME. Additionally, for each of the indicated SNPNs, the MS may optionally display a human readable name for the SNPN (see 3GPP TS 38.331 [65]).  Lena, Tue, 18:59  Fine  Ivo, Tue, 20:19  does 38.331 already contain specification of the human readable name?    If not, please remove "(see 3GPP TS 38.331 [65])" and add an editor's note stating e.g. "it is FFS how the human readable name is obtained".  Sung, wed, 14:50  Providing rev | |
|  |  | | C1-200834 | Clarification of forbidden TAI lists for SNPN | | | vivo | CR 1923 24.501 Rel-16 | Revision of C1-200464  Ivo, Wed, 11:59  Fine  Marko, Wed, 13:01  Fine  Vishnu, Wec, 15:19  fine  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Ivo, Thursday, 11:14  handling of 5GMM cause #12 should modify "5GS forbidden tracking areas for regional provision of service" (rather than "5GS forbidden tracking areas for roaming")  Yanchao, Monday, 10:26  Provides rev in drats, any further comments?  Ivo, Monday, 12:33  Rev look good, wants to co-sign  Vishnu, Monday, 12:50  Looks good, one minor issue on cover sheet, wants to co-sign  Yanchao, Tuesday, 08:39  Fine, takes Huawei and HiSilicon on board  Ericsson as well  Yanchao, wed, 07:14  Hinting at the rev, all included | |
|  |  | | C1-200896 | Correction on 5GMM cause #74/#75 for no touching non-3GPP access | | | Huawei, HiSilicon/Lin | CR 1935 24.501 Rel-16 | Revision of C1-200504  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Ivo, Thursday, 16:36  - the removed text is applicable:                  - when the UE accesses an SNPN via PLMN and receives #74. If #74 is in a integrity protected 5GMM message, the UE should perform the actions both for the 3GPP access and the non-3GPP access (i.e. access to an SNPN via PLMN); or                  - when the UE accesses an SNPN via 3GPP access and receives #74. If #74 is in a integrity protected 5GMM message, the UE should perform the actions both for the 3GPP access and the non-3GPP access (i.e. access to an SNPN via PLMN).  Lin, Saturday, 15:05  Defending the CR, **another key point is: if a UE can already access the SNPN directly, why it has to access the same SNPN via PLMN indrectly? I cannot see such use case actually.**  Ivo, Monday, 12:36  Not agreeing with Lin, would like to preserver functionality as in baseline  Lin, Tuesday, 03:38  Explaining to Ivo the background, please check whether you are fine or not  SangMin, TUesay, 08:04  Agrees with Lin  Sung, Tue, 20:54  **I disagree with changes** that are currently proposed by the CR. If you want to revise the CR, then you can add a note similar to the existing ones (examples below) instead of removing the existing text.  Ivo, Tue, 21:41  Shares Sung concern, has given more comments in thread on 505  Lin, Wed, 06:23  To Sung, you misunderstood the case, please check again  Lin, wed, 06:24  To Ivo you misunderstood the case, please check again  Sung, Wed, 06:30  To lin, Did NOT misunderstood the case  Lin, Wed, 09:20  Totally reworded. New rev, Sung to review  Ivo, Wed, 14:02  Ivo fine with the rev, there are “the the”  Wants to co-sign  Sung, Wed, 14:11  Fine, wants to co-sign | |
|  |  | | C1-200897 | Correction on term “shared network” definition for SNPN | | | Huawei, HiSilicon/Lin | CR 0497 23.122 Rel-16 | Revision of C1-200507  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Lena, Thursday, 09:05  C1-200507: “E-UTRA connected to EPC” should be just “E-UTRAN”.  Lin, Monday, 04:33  Fine with Lena’s comment, provides rev in drafts folder  Lena, Monady, 23:05  Fine with the revision from Lin  Sung, W | |
|  |  | | C1-200847 | List of SNPNs for which the N1 mode capability was disabled | | | Nokia, Nokia Shanghai Bell | CR 0502 23.122 Rel-16 | Revision of C1-200736  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Ivo, Thursday, 11:55  - the last bullet should be performed also when the SNPN's entry in "list of subscriber data" is updated.  SangMin, Friday, 06:12  Similar concern as expressed for C1-200738 will be also applied to this documents as below:  Clearly, SNPN is not supported by EPC. Since the UE in SNPN access mode will only search for 5GS, disabling N1 does not make sense. Thus, managing list of “N1 mode not allowed" SNPN just creates unnecessary burden.  Sung, Tue, 19:07  Provides revision, to Ivo  SangMin concern addressed in 738 discussion  Ivo, Tue, 19:57  Ok, ericsson to co-sign  Sung, Tue, 22:57  Ericsson is added | |
|  |  | | C1-200849 | Validity of the USIM for an SNPN and for a specific access type | | | Nokia, Nokia Shanghai Bell | CR 2015 24.501 Rel-16 | Revision of C1-200741  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Ivo, Thursday, 11:58  wording ("USIM as invalid for the current SNPN and for 3GPP access") should be aligned with the one (i.e. "USIM as invalid for 5GS services via 3GPP access") used when the UE does not operate in the SNPN access mode. E.g. (i.e. "USIM as invalid for the current SNPN via 3GPP access")  Sung, Tue, 19:10  To Ivo, fixed, see rev  Ivo, Tue, 19:59  Looks OK. Can you please add Ericsson as cosigner? Thank you.  Sung, tue 23:01  Ericsson is added | |
|  |  | | C1-200851 | SNN coding | | | Nokia, Nokia Shanghai Bell | CR 2018 24.501 Rel-16 | Revision of C1-200850  Ivo, Wed, 12:07  OK  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Revision of C1-200744  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Ivo, Thursday, 12.11  Some suggestions on how to revise, they are also available in a rev in the INBOX, if agreeabel then Ericsson wants to co-sign  Sung, Tue, 19:15  Fixed  Ivo, Tue, 20:09  Some speces in the coding missing  Sung, Tue, 23:08  fixed | |
|  |  | | C1-200921 | No mandate to support default configured NSSAI or network slicing indication | | | Nokia, Nokia Shanghai Bell | CR 2017 24.501 Rel-16 | Revision of C1-200743  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Lena, Thursday, 09:05  fine with the CR in principle, but in the last change, “the UE operating in SNPN access mode may not support default configured NSSAI or network slicing indication” should be “the default configured NSSAI and the network slicing indication are not supported in SNPNs” instead, since the network will not send them  Sung, Tuesday, 06:22  Provides, rev, inline with Lena’s comment  Lena, Wed, 05:21  Still some issues with the wording  Sung, Wed, 05:37  Addressing Lena comment  Lena, Wed, 05:55  Ok  Sung, Wed ,  Uploaded | |
|  |  | | C1-200942 | Clarify that access to RLOS is not supported in SNPN | | | Huawei, HiSilicon / Vishnu | CR 0494 23.122 Rel-16 | Revision of C1-200469  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  NEEDS TO BE SHIFTED TO PARLOS AGENDA ITEM  Ivo, Thursday, 11:50  - the CR is misleading. Access to RLOS is not supported in N1 mode, regardless whether the MS is operating in SNPN access mode or not. It would be more appropriate to state "An MS operating in N1 mode never attempts to to access RLOS."  Vishnu, Tuesday, 10:55  Suggests to add a Note, asking Ivo whether this is correct  Ivo, Tuesday, 14:53  Not ok with Vishnu’s suggestion  Vishnu, Tuesday, 15:;44  Fine with explanation from Ivo, updates the rev accordingly  Ivo, Tue, 19:30  OK, Ericsson wants to co-sign  Sung, Tue, 21:27  Wid to be changed to PARLOS  Vishnu, Wed, 09:16  Provides update, this is now PARLOS, any comments?  Sung, Wed, 14:11  FINE | |
|  |  | | C1-200943 | Correction to Limited service state for SNPN | | | Huawei, HiSilicon / Vishnu | CR 0492 23.122 Rel-16 | Revision of C1-200466  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Lena, Thursday, 09:03  fine with the intent of the CR, but “and the UE does not have any valid entry in the "list of subscriber data”” in “For the item b, if the MS operates in SNPN access mode and the UE does not have any valid entry in the "list of subscriber data"” should be deleted since it is already covered by “For the item b”  Vishnu, Monday, 09:38  Comments from Lena taken on board, rev in the drafts folder  Lena, Monday, 23:22  Fine with rev from Vishnu | |
|  |  | | C1-200923 | Update SNPN key differences | | | Intel / Thomas | CR 1985 24.501 Rel-16 | Revision of C1-200836  Vishnu is fine Wed, 16:02  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Revision of C1-200681  Ivo, Tue, 19:51  “are” -> “is” , rest is fine  Lena, Wed, 0527  Same comments as Ivo, rest is fine  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Lena, Thusday, 09:05  Some editorials  Vishnu, Thursday, 15:36  fine with this CR. Just one comment that the change in bullet d) is not needed  Ivo, Thursday, 16:41  Some editorials  Thomas, Tuesda, 17:28  Taking all comments on board, provides a revision which is 836 | |
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|  |  | |  |  | | |  |  | Public network integrated NPN | |
|  |  | | [C1-200316](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200316.zip) | CAG Information in Registration Reject | | | InterDigital / Atle | CR 1868 24.501 Rel-16 | Revision of C1-200111  Lena, Thursday 09:05  Enabling sending of the CAG information list in a Registration Reject message is dangerous since the Registration Reject message can be sent non-integrity protected, so this could allow a fake network to modify the CAG provisioning at the UE. Moreover, it seems unnecessary since the network could also let the UE successfully register and then update the CAG provisioning info at the UE.  Atle, Friday, 08:14  Explaind his rationale  Lena, Sunday, 00:10  Further commenting on Atle’s reply, not agreeing  Kundan, Monday, 07:59  support the CR it make sense for the following scenarios. Of course the CAG information IE should be sent integrity protected otherwise the  message will be ignored as the UE does for 5GMM Cause #25 and 76.  Lena, Monday, 23:12  Challenging Kundans argument  SangMin, Tuesday, 05:50  We share the concerns expressed by Qualcomm. Providing critical information via “Reject” message is not a good idea.  Sung, 07:00  Wants to see a SA2 CR first  Kundan, 07:30  Disagree with Sung, SangMin  Atle, Wed, 13:02  I echo Kundans comment that stage-3 must be able to do this kind of minors with or without SA2s ability to document such scenarios in stage-2.  **Having said  that, I also understand that we need consensus for an agreement, and will need to continue on this topic in the next meeting unless resistance disappear.** | |
|  |  | | [C1-200335](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200335.zip) | Signalling of CAG-ID | | | Qualcomm Incorporated / Lena | discussion Rel-16 |  | |
|  |  | | [C1-200336](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200336.zip) | Clarification to manual CAG selection | | | Qualcomm Incorporated / Lena | CR 0489 23.122 Rel-16 |  | |
|  |  | | [C1-200337](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200337.zip) | Removal of the requirement for NAS to pass the selected CAG-ID to the lower layers | | | Qualcomm Incorporated / Lena | CR 1883 24.501 Rel-16 | Merged into C1-200311 and its revisions  Ivo, Thursday, 12:15  - same changes as C1-200311. Given that C1-200311 has more cosigners, it is proposed that C1-200337 is merged into C1-200311  Lena, Friday, 04:57  Fine to merge the CR into 0311 | |
|  |  | | [C1-200398](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200398.zip) | “CAG information list” preventing selection of any available and allowable PLMN | | | Ericsson / Ivo | CR 1898 24.501 Rel-16 |  | |
|  |  | | [C1-200403](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200403.zip) | Clarification on CAG selection | | | Intel / Thomas | CR 0490 23.122 Rel-16 | Merged into in C1-200336  Indicated by Thomas on Wed, 13:xx  Lena, THursdy, 09:05  This CR conflicts with the changes in C1-200336. Both CRs try to address the fact that as per SA2’s input in LS C1-200252, the UE will be allowed to register on a cell if at least one of the CAG-IDs broadcast by the cell is in the UE’s allowed list. C1-200336 assumes that there is one selected CAG-ID at the UE (which one is up to UE implementation in automatic CAG selection mode) while C1-200403 assumes that the UE considers all CAG-IDs broadcast by the cell as selected CAG-IDs, which seems to bring unnecessary complexity.  Vishnu, Thursday, 15:50  We are fine with the CR. But we don’t think the changes in 4.4.3.1.2  Ban, Monday, 14:15  Prefers 336 | |
|  |  | | [C1-200451](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200451.zip) | Discussion on limited service on CAG cell | | | Huawei, HiSilicon/Vishnu | discussion 23.122 Rel-16 | Lena, Thursday, 09:05  SA2 has already agreed a CR in [S2-2001693](ftp://ftp.3gpp.org/tsg_sa/WG2_Arch/TSGS2_136AH_Incheon/Docs/S2-2001693.zip) by which Rel-16 UEs that are not CAG capable can camp on a CAG cell in limited service state. The SA2 CR also assumes that legacy UEs (Rel-15 or older) cannot camp on CAG cells in limited service state. | |
|  |  | | [C1-200452](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200452.zip) | Limited service state on CAG cell | | | Huawei, HiSilicon / Vishnu | CR 0491 23.122 Rel-16 | Lena, Thursday, 09:05  Since the SA2 agreement on non-CAG capable UEs being able to camp on a CAG cell in limited service state is only for Rel-16 UEs (see [S2-2001693](ftp://ftp.3gpp.org/tsg_sa/WG2_Arch/TSGS2_136AH_Incheon/Docs/S2-2001693.zip)), the second bullet added should be made specific to “MS not supporting CAG, but supporting this release of the specification”.  Ivo, Thursday, 16:07  - 3.5 i) - this is captured in 3.5 a) already  - 3.5 j) - whether a UE not supporting CAG can make an emergency registration on a CAG cell depends on broadcast information provided in AS layer. According to my information, RAN2 expects that the CAG cell will indicate "cellreservedForOtherUse" which might prevent a UE not supporting CAG from camping on the CAG cell. We believe that CT1 should wait for RAN2 decision on whether a UE not supporting CAG can make an emergency registration on a CAG cell.  Vishnu, Friday, 10:57  Explains his case to Ivo  Ivo, Friday, 15:29  Bullet I can be accepted, needs some more work  Bullet II wait for Ran2  Vishnu, Tuesday, 16:40  Provides a draft, asking whether Ivo to review/take explanation into account  Ivo, Tue, 19:20  Accepts some but not all, on some aspects we need to wait for RAN2 , use EN  Sung, Wd, 02:44  Acks Ivo, takes out the bulle that depends on RAN2  Vishn, Wed, 14:48  Provides new rev, asking Ivo, Sung | |
|  |  | | [C1-200465](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200465.zip) | Deletion of all CAG IDs of a CAG cell for 5GMM cause #76 | | | Huawei, HiSilicon / Vishnu | CR 1924 24.501 Rel-16 |  | |
|  |  | | [C1-200467](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200467.zip) | Removal of the indication of CAG-ID for N1 NAS signalling connection | | | Huawei, HiSilicon / Vishnu | CR 1925 24.501 Rel-16 | Merged into C1-200311 and its revisions  Lena, Thursday, 09:03  fine with the change in C1-200467 but the same change is covered by C1-200337 and C1-200311  Ivo, Thursday, 0958  same changes as C1-200311. Given that C1-200311 has more cosigners, it is proposed that C1-200467 is merged into C1-200311  Vishnu, Thursday, 12:10  **Fine to merge this into C1-200311** | |
|  |  | | [C1-200471](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200471.zip) | Removal of term CAG access control | | | Huawei, HiSilicon / Vishnu | CR 1927 24.501 Rel-16 |  | |
|  |  | | [C1-200508](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200508.zip) | Reset the registration attempt counter for #76 in service reject | | | Huawei, HiSilicon/Lin | CR 1938 24.501 Rel-16 |  | |
|  |  | | [C1-200516](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200516.zip) | Updates for Manual CAG selection | | | Huawei, HiSilicon / Vishnu | CR 1554 24.501 Rel-16 | Revision of C1-198992  Seem to conflict with C1-200701  Lena, Thursday, 09:06  the CR overlaps with C1-200701 which seems more complete**. I would prefer to progress C1-200701**.  Ivo, Thursday, 12:22  - for registration after manual CAG selection, C1-200516 addresses a part of one case only (the marked part of case-1 below) while C1-200701 addresses both cases (case-1 and case-2 below). **IMO, C1-200701 should be progressed as it is more complete**. | |
|  |  | | [C1-200517](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200517.zip) | Configuration for the presentation of CAG cells for manual CAG selection | | | Huawei, HiSilicon / Vishnu | CR 0471 23.122 Rel-16 | Revision of C1-199010  Lena, Thursday, 09:05   * The CR overlaps with C1-200700 * there should be a condition in new bullet 2) saying “the CAG-ID is not included in the "Allowed CAG list" of the entry”   Ivo, Thursday, 16:57  The best way to provide the information is an indication in SIB - either HRNN or a new bit.                  However, C1-200517 proposes "there exists an entry with the PLMN ID of the PLMN in the "CAG information list" and the CAG cell is allowed to be presented to the user by the PLMN" which does not fit  Ban, Thursday, 23:48  Overlaps with 700  Challenges the text and provides a new proposal  Vishnu, Friday, 10:24  The issue that I see is that, now that the manual CAG indicator is broadcasted, all the CAG ids of the neighboring PLMNs ( even for the ones to which the HPLMN does not have any roaming agreements) will be presented to the user.     Those PLMNs could have set the “manual CAG indicator” for the subscribers with whom they have roaming agreements. Is that an acceptable behavior ?  Ivo, Friday, 15:53  Explanation to Vishnu  C1-200517 overlaps with C1-200700 and a merge is needed  Ban, Monday, 13:36  Fine with most of Vishnu’s explanation, asking whether there is a merge of 517 and 700  Lena, Monday 17:00  We think that your proposal below goes too much into user interface specification and that this should be left to UE implementation. So we would prefer not to add these additional indications to the user.  Sung, Tuesday, 04:06  On Issue 2, it seems that 0468 is progressing. Thus, we can use 0468 for addressing Issue 2.  On Issue 1, I would like to volunteer to hold the pen, i.e. let us progress with 0700.  With that proposal, 517merged in 700 and 586 in 486  Kundan, Tuesday, 12:38  Samsung does not support manual broadcasting indicator. It should be configured based on the agreement between roaming partners and by default the UE shows the CAG ID for the PLMN for which no configuration exists  Sung, Wed, 07:30  To Kundan, Then, how can the RPLMN control it? Please note that CAG configuration is updated by HPLMN only. Do you mean that a VPLMN needs to contact HPLMN whenever there is any change in the manual CAG selection policy for a PNI-NPN hosted by the VPLMN?  Kundan, Wed, 09:52  Does not agree with Sung  Ban, Wed, 10:22  Kundan, I do not agree that this should be configured based on the agreement between roaming partners.  This can be dynamic and it is impossible to keep track across all roaming partners in the world.. and imagine how much efforts it will cost operators to do so!!  Kundan, Wed, 10:59  Does not agree with ban  Ivo, Wed, 11:53  To kundan, Stage-1 requirements expect control by the RPLMN. It can be achieved either by using HRNN as in 731 or by a new bit in SIB. | |
|  |  | | [C1-200549](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200549.zip) | Clarification on Public Network Integrated NPN in TS 24.501 | | | China Telecom | CR 1945 24.501 Rel-16 | Ivo, Thursday, 10:55  OK to use PNI-NPN in general. However, we should be consistent in its usage. I.e. also the 1st occurence in 4.14.3 should state PNI-NPN and title of 4.14.3 should be updated too.  Michele, Tuesday, 16:14  To Ivo, first comment ok, second comment not  Ivo, Tue, 19:25  Nearly ok, one more typo  Michele, Wed, 13:36  To Ivo, corrected | |
|  |  | | [C1-200578](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200578.zip) | Discussion on requirement of sending CAG ID by UE | | | Samsung/Kundan | discussion 24.501 Rel-16 | Lena, THusday, 09:05  Proposal 1 not acceptable  Proposal 2 not needed  Vishnu, Thursday, 14:00  Fail to see the problem  No need for this CR  Kundan, Monday, 13:32  Replies to Lena and Vishnu  Vishnu, Monday, 14:39  Does not agree with Kundan | |
|  |  | | [C1-200581](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200581.zip) | Handling of manual CAG selection procedure | | | Samsung/Kundan | CR 1957 24.501 Rel-16 | Postponed  See confcall  Lena, Thursday, 09:05  this CR is not needed because the UE does not need to send its manually selected CAG ID to the network (see comments on C1-200578)  Ivo, Thursday, 16:32  - no need of the CAG selection Type bit in the 5GS update type  - the AMF should send the entire CAG information list, if updated in the network, as in C1-200338 | |
|  |  | | [C1-200586](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200586.zip) | CAG only UE and Manual PLMN selection | | | Samsung/Kundan | CR 1962 24.501 Rel-16 | Lena, Thursday, 09:05  CR overlaps with C1-200468, prefers to progress **C1-200468** as it updates the details of the manual CAG selection procedure rather than the high-level overview of CAG selection.  Ivo, Thursday, 11:00  Proposal give detailed text in general section, not appropriate. Such text needs to go to text into subclause 4.4.3.1.2, as in **C1-200468**  Sung, Wed, 07:30  To Kundan, Then, how can the RPLMN control it? Please note that CAG configuration is updated by HPLMN only. Do you mean that a VPLMN needs to contact HPLMN whenever there is any change in the manual CAG selection policy for a PNI-NPN hosted by the VPLMN?  Kundan, Wed, 09:52  Does not agree with SUng  Ban, Wed, 10:22  Kundan, I do not agree that this should be configured based on the agreement between roaming partners.  This can be dynamic and it is impossible to keep track across all roaming partners in the world.. and imagine how much efforts it will cost operators to do so!!  Kundan, Wed, 10:59  Does not agree with Ban  Ivo, Wed, 11:53  To kundan, Stage-1 requirements expect control by the RPLMN. It can be achieved either by using HRNN as in 731 or by a new bit in SIB. | |
|  |  | | [C1-200589](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200589.zip) | Handling of a CAG UE at non supporting AMF | | | Samsung/Kundan | CR 1964 24.501 Rel-16 | Postponed  Based on request from Kundan, Tuesday, 12:19  Lena, Thursday, 09:05  **this CR does not make sense** as it requires an AMF which does NOT support CAG to reject the UE if “the UE’s subscription contains an "indication that the UE is only allowed to access 5GS via CAG cells"”, which effectively means an AMF which does NOT support CAG is expected to somehow understand the "indication that the UE is only allowed to access 5GS via CAG cells" . The CR should be rejected  Ivo, THursdy, 11:06  - the document is corrupted - when opening the document, Word states "Word found unreadable content in C1-200589.docx. Do you want to recover the contents of this document? If you trust the source of this document, click Yes"  - the document requires that AMF NOT supporting a feature to perform some action related to the feature . **This is not OK.** Furthermore, Rel-15 AMFs will not do so either.  Vishnu, Thursday, 12:50  Same understanding as Lena, **CR is not OK**  **Kundan, Tuesday, 09:09**  Thinks the CR is needed, and wants to send an LS  Ban, Tuesday, 09:59  Use case does not make sense, NO NEED TO SEND AN LS  Kundan, Tuesday, 10:15  Asking questions from Ban ….  Lena, Wed, 01:36  There is no need to send an LS to SA2, 23.501 contains relevant statements | |
|  |  | | [C1-200688](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200688.zip) | CAG information towards the lower layers for paging | | | Nokia, Nokia Shanghai Bell | CR 1567 24.501 Rel-16 | Revision of C1-196737 | |
|  |  | | [C1-200700](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200700.zip) | Manual CAG selection | | | Nokia, Nokia Shanghai Bell | CR 0499 23.122 Rel-16 | Ivo, Thursday, 17:05  - a) 2) ii) does not capture the case  of "CAG information list" NOT containing an entry for the PLMN and  - a) 2) ii) "the PLMN allows a user to manually select the CAG-ID" - proposal to reformulate to state "CAG cell broadcasting the CAG-ID for the PLMN also broadcasts that the PLMN allows a user to manually select the CAG-ID"  - a)  new paragraph - no need of "an indication that the CAG-ID is allowed" to the user. Instead, those PLMN/CAG-ID combinations should be presented first.  - b) new paragraphs - no need of "indication that the MS is only allowed to access the PLMN via CAG cells" to the user. Instead, those PLMNs should be presented last.  - no need of NOTE 1  Ban, Thursday, 23:48  Overlaps with 700  Challenges the text and provides a new proposal  Vishnu, Friday, 10:42  In principle fine, still comments, see 517  Sung, Tuesday, 04:06  On Issue 2, it seems that 0468 is progressing. Thus, we can use 0468 for addressing Issue 2.  On Issue 1, I would like to volunteer to hold the pen, i.e. let us progress with 0700.  With that proposal, 517merged in 700 and 586 in 486  Sung, Tuesday, 04:40  Provides a rev taking Ivo’s comment on board  Sung, Tuesday, 05:20  Provides a new rev  Kundan, Tuesday, 12:38  Samsung does not support manual broadcasting indicator. It should be configured based on the agreement between roaming partners and by default the UE shows the CAG ID for the PLMN for which no configuration exists  Ban, Tuesday, 17:46  In general the conditions in the CR are OK, but a bit complex, has a proposal to modify  Ivo, Tue, 20:30  Supports Ban, needs to be reworded  Sung, Tue, 22:46  Revised according to Ban and Ivo comments  Lena, Wed, 05:18  We cannot accept the mandatory requirement on the UE to present the list of {PLMN/access technology combination, CAG-ID, HRNN} in a specific order. There are no stage 1 or stage 2 requirements defining this tier 1 and tier 2 type of combination which you introduced in the CR. Moreover, this is going too much into user interface implementation details. We could accept a note making a recommendation about the ordering  Sung, Wed, 06:05  Now a NOTE  Lena, Wed, 06:16  Rev is OK  Sung, Wed, 07:30  To Kundan, Then, how can the RPLMN control it? Please note that CAG configuration is updated by HPLMN only. Do you mean that a VPLMN needs to contact HPLMN whenever there is any change in the manual CAG selection policy for a PNI-NPN hosted by the VPLMN?  Vishnu, Wed, 09:31  Still comments  Kundan, Wed, 09:52  Does not agree with SUng  Ban, Wed, 10:14  Commenting  Ban, Wed, 10:22  Kundan, I do not agree that this should be configured based on the agreement between roaming partners.  This can be dynamic and it is impossible to keep track across all roaming partners in the world.. and imagine how much efforts it will cost operators to do so!!  Kundan, Wed, 10:59  Does not agree with Ban  Ivo, Wed, 11:53  To kundan, Stage-1 requirements expect control by the RPLMN. It can be achieved either by using HRNN as in 731 or by a new bit in SIB.  Ivo, Wed, 13:05  Wants to so-sign, all fine  **Kundan, Wed, 13:50**  **I have expressed my comments over broadcasting by SIB whether the manual CAG selection is allowed or not. IMO, we need F2F discussion to handle this case. It has dependency on RAN2.**  Sung, Wed. 16:30  New rev | |
|  |  | | [C1-200701](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200701.zip) | Triggering mobility registration update due to manual CAG selection | | | Nokia, Nokia Shanghai Bell | CR 1998 24.501 Rel-16 | Seem to conflict with C1-200516  Ivo, Thursday, 12:25  - "or" needs to be removed from the bullet y.  - I prefer C1-200701 above competing C1-200516, as C1-200701 is more complete.  - Ericsson would like to cosign.  Kundan, Tuesday, 11:46  Wants to co-sign  Sung, Wed, 07:27  Provides the rev  Ivo, Wed, 09:19  FINE | |
|  |  | | [C1-200728](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200728.zip) | Rejection of non-emergency PDU session establishment with 5GMM cause #76 | | | Nokia, Nokia Shanghai Bell | CR 2007 24.501 Rel-16 | Lena, Thursday, 09:06  **proposed addition does not yield any benefit**, since the MM layer does nothing with the info that the message was not forwarded to the SMF due to CAG access restrictions. So a more generic cause value (like routing failure) can be used instead.  Ivo, Thursday, 12:38  the scenario addressed in the **CR does not seem to be possible** as if the UE is non-emergency registered and attempts to camp on:  Vishnu, Thursday, 14:53  question on the scenario itself, as how it is possible -> **CR is not needed**  **Sung, Tuesday, 06:12**  To Vishnu,  CAG information list is updated, but before the AMF initiates UCU, the AMF receives UL NAS TRANSPORT message including an SM request. Then, the AMF should reject the request rather than forwarding the 5GSM message. It would not happen often and that is why it is an abnormal case.  Ivo, Tue, 20:47  **This seems to be rather rare race condition.**  **Wouldn't it be more appropriate to silently discard the received 5GSM message** and perform UCU? This would trigger the UE to select a new cell and then the 5GSM procedure can continue, upon 5GSM timer expiration.  Also, this would work for any type of payload, not just 5GSM.  Sung, Tue, 21:33  To Ivo, No information is delivered towards the 5GSM sublayer and the 5GSM procedure will be retried. That should be avoided.    Sung, Wed, 06:13  To Ivo, this is not a race condition only,  **Ivo, Wed., 13: 12**  **Does not agree with Sung**  **Sung, Wed, 15:00**  **Ongoing.** | |
|  |  | | [C1-200729](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200729.zip) | Handling of a UE with an emergency PDU session in terms of CAG | | | Nokia, Nokia Shanghai Bell | CR 2008 24.501 Rel-16 | Lena, Thursday, 09:06   * The text on AMF not performing CAG access control needs to be changed to AMF not checking CAG restrictions to align with the terminology changes proposed in C1-200471 * Typo: “the UE does not pass CAG access control is not a pass”   Ivo, Thursday, 12:44  Technical comment on 5.4.4.2, 5.6.1.4.1 is no readable  Lin, Saturday, 10:39  7 comments as to what needs to be improved in the Cr  Sung, Wed, 05:34  Provides a rev, taking Ivo and Lin on board  Ban, Wed, 09:41  Few comments  Sung, Wed, 15:51  Takes comments from Ban on board, provides a rev  Ban Wed, 16:15  New comes  Sung, Wed, 16:43  Taking some of the coms on board, new rev, waiting for Ban | |
|  |  | | [C1-200730](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200730.zip) | Determination of CAG cell | | | Nokia, Nokia Shanghai Bell | CR 0500 23.122 Rel-16 |  | |
|  |  | | [C1-200731](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200731.zip) | Discussion to manual CAG selection | | | Ericsson / Ivo | discussion Rel-16 | Lena, Thursday,09:06  **not a good way forward to re-use** the HRNN as indication of whether the CAG ID can be displayed to the user if the CAG ID is not in the UE’s allowed CAG list. The HRNN was defined with a different purpose. And the proposed solution would prevent an operator who does not want to allow the user to select a CAG ID not in the UE’s allowed CAG list from broadcasting an HRNN.  Similar comments apply to the related CRs in C1-200732 and C1-200733. | |
|  |  | | [C1-200732](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200732.zip) | Manual CAG selection | | | Ericsson / Ivo | CR 0501 23.122 Rel-16 | Lena, Thursday, 09:06  See 0731  Vishnu, Thursday, 16:15  using the HRNN is NOT a good way forward due to the below reasons  **not OK with the CR**  Sung, Wed, 06:42  Asking Ivo, whether he wants to pursue this one?? To sung this is confusing | |
|  |  | | [C1-200733](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200733.zip) | Manual CAG selection – providing HRNN | | | Ericsson / Ivo | CR 2009 24.501 Rel-16 | Lena, Thursday, 09:06  See 0731  Vishnu, Thursday, 16:15  using the HRNN is NOT a good way forward due to the below reasons  **not OK with the CR** | |
|  |  | | C1-2000840 | Including CAG information list in REGISTRATION ACCEPT message | | | Qualcomm Incorporated / Lena | CR 1884 24.501 Rel-16 | Revision of C1-200338  Lena, Wed, 01:02  Highlighting to Vishnu on revision number  Sung, Wed, 07:32  Asking for a SA2 paper that was previously mentioned  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Vishnu, Friday, 15:28  Fine with the CR, requests some changes  Lena, Saturday, 23:05  All commens from Vishnu taken on board, hints at rev in drafts folder  Vishna, Monday, 11:01      Thank you for the revision and taking the comments on board.      We are fine with it. A minor comment to add “stored in the UE” as below.  Lena, Monday, 23:30  Fine with Vishnu’s suggestion, providing rev in drafts folder  Vishnu, Tuesday, 10:33  Fine with the rev from lena | |
|  |  | | C1-200924 | Presentation of PLMN with non-CAG cells for manual selection | | | Huawei, HiSilicon / Vishnu | CR 0493 23.122 Rel-16 | Revision of C1-200468  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Ivo, Thursday, 10:50  Issues listed, a potential revision from Ivo in the inbox/drafts. If updates are are taken on board, Ericsson wants to co-sign  Sung, Tuesday, 04:06  On Issue 2, it seems that 0468 is progressing. Thus, we can use 0468 for addressing Issue 2.  On Issue 1, I would like to volunteer to hold the pen, i.e. let us progress with 0700.  With that proposal, 517merged in 700 and 586 in 486  Vishnu, Tuesday, 11:09  Takes all comments on board, provides rev  Kundan, Tuesday, 12:38  Samsung does not support manual broadcasting indicator. It should be configured based on the agreement between roaming partners and by default the UE shows the CAG ID for the PLMN for which no configuration exists.  Ivo, Tuesday, 14:43  Fine with the rev provided by Vishnu  Sung, Wed, 07:23  Wants to co-sign  Sung, Wed, 07:30  To Kundan, Then, how can the RPLMN control it? Please note that CAG configuration is updated by HPLMN only. Do you mean that a VPLMN needs to contact HPLMN whenever there is any change in the manual CAG selection policy for a PNI-NPN hosted by the VPLMN?  Kundan, Wed, 09:52  Does not agree with Sung  Ban, Wed, 10:22  Kundan, I do not agree that this should be configured based on the agreement between roaming partners.  This can be dynamic and it is impossible to keep track across all roaming partners in the world.. and imagine how much efforts it will cost operators to do so!!  Kundan, Wed, 10:59  Do not agree with Ban  Ivo, Wed, 11:53  To kundan, Stage-1 requirements expect control by the RPLMN. It can be achieved either by using HRNN as in 731 or by a new bit in SIB. | |
|  |  | | C1-200932 | CAG information list storage | | | Ericsson / Ivo | CR 1879 24.501 Rel-16 | Revision of C1-200291  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Rae, Thursday, 09:45  In principle agrees with the CR, however,  For “- CAG information list, if the UE supports CAG”in Annex C.1, if UE disables and re-enable CAG, the CAG information list will be deleted.  But actually this CAG information list can still be used in this case.  So the condition here seems unnecessary.  Vishnu, THurday, 1642  Fine in principle, wants some changes, wants to co-sign  Ivo, Friday, 08:39  Detailes respons to Rae and Vishnu, wants to keep some conditions, but is open if people insist on change  Vishan, Friday, 11:00  Minor comments, fine to go either way,  Ivo, Friday, 15:36  Provides a rev in the draft box, still waits for response from Rae  Rae, Monday, 02:46  To Ivo, If the list is deleted just because the UE toggles between CAG enabled and not CAG enabled (and back to CAG enabled), then UE will have no CAG list when CAG enabled is turned back ON. **That would be worse** than if the list is not up to date.  Ivo, Monday, 09:56  Takes Rae comment on board and provides rev  Rae, Monday, 10:05  Oppo wants to co-sign  Vishnu, Monday, 11:08  We are fine with this version. A minor comment to add "" around CAG Information list  Lena, Monday, 23:01  not ok with removing the condition “if the UE supports CAG”. The UE cannot be mandated to store information for a feature which the UE does not support.  Rae, Monday, 06:07  Lena, I agree with what you said.  But I think the network will not configure the CAG info list to UE if UE does not support CAG.  Additionally, if UE does not support CAG, UE will not understand this parameter, so naturally will not store this parameter?  Lena, Wed, 01:15  So the requirement on the UE must be condition to UE support for CAG.  Rae, Wed, 06:00  Still asks questions  Lena, Wed, 06:10  To Rae, for the concern we need a next CR, still for this one we need the condition  Rae, Wed, 06:11  Then I am FINE  Ivo, Wed, 08:19  Ivo provides rev, all comments addressed  Chen, wed, 10:15  Still insists on Oppo position, . But if majority in CT1 do not want to go with our proposal, we can live with that.  Let's wait a few years and see what happens. | |
|  |  | | C1-200937 | CAG-ID not provided to lower layers during NAS signalling connection establishment | | | Ericsson / Ivo | CR 1880 24.501 Rel-16 | Revision of C1-200311  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Ivo, Friday, 08:51  Provides revision, additional co-signers.  Lena, Saturday, 22:36  Fine with the revision | |
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|  |  | |  |  | | |  |  | Time sensitive communication | |
|  |  | | [C1-200330](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200330.zip) | Support for traffic forwarding | | | Intel, Nokia, Nokia Shanghai Bell | other Rel-16 |  | |
|  |  | | [C1-200331](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200331.zip) | Additional LLDP parameters | | | Intel / Thomas | other Rel-16 |  | |
|  |  | | [C1-200339](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200339.zip) | Update of text on time synchronization | | | Qualcomm Incorporated / Lena | CR 1885 24.501 Rel-16 |  | |
|  |  | | [C1-200493](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200493.zip) | Definition alignment for UE-DS-TT residence time | | | vivo | CR 1928 24.501 Rel-16 |  | |
|  |  | | [C1-200566](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200566.zip) | Correction on port management message direction | | | Huawei, HiSilicon/Cristina | pCR 24.519 Rel-16 | Merged into C1-200411  Lena, Thursday, 09:05   * “UE-initiated” should be changed to “DS-TT-initiated” * The same change is covered in C1-200411   Cristina, Friday, 05:11  Will consider to merge with 411 | |
|  |  | | [C1-200570](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200570.zip) | Add PSFP parameters | | | Huawei, HiSilicon/Cristina | pCR 24.519 Rel-16 | Merged, into C1-200329 and its revs  Lena, Thursday, 09:05  the changes in this CR overlap with those in C1-200329, preference for the encoding proposed in C1-200329.  Cristina, Friday, 09:11  Explains her encoding based on IEEE  Ivo, Tue,21:02  Updated CR is nearly OK.  One more mod needed | |
|  |  | | [C1-200571](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200571.zip) | Correction for the wrongly implemented CR1963r1 | | | Huawei, HiSilicon/Cristina | CR 1949 24.501 Rel-16 | Lena, Thursday, 09:06  in the CR coversheet, the CR # of the CR that was wrongly implemented is not correct, it should be CR 1693 instead of CR 1963  Crisitna, Friday, 07:39  Fine with comment from lena | |
|  |  | | [C1-200573](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200573.zip) | Exchange port management information container through N4 Session Level Reporting procedure | | | Huawei, HiSilicon/Cristina | pCR 24.519 Rel-16 | Lena, Thursday, 09:05  don’t think N4 session level procedures between the SMF and the UPF are in the scope of TS 24.519, so this CR should be rejected  Cristina, Friday, 10:23  Explain why Protocol aspect between NW-TT and TSN AF is in the scope of 24.519.  Lena, Monday, 01:29  Fine with explanation, CR is fine | |
|  |  | | [C1-200687](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200687.zip) | Port management IE format and length updates | | | Intel / Thomas | other Rel-16 |  | |
|  |  | | [C1-200706](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200706.zip) | Resolving editor’s notes on reliable transmission | | | Nokia, Nokia Shanghai Bell | pCR 24.519 Rel-16 |  | |
|  |  | | [C1-200708](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200708.zip) | Duplicated Ethernet port parameters in case of validation and generation of LLDP frames processed centrally at NW-TT | | | Nokia, Nokia Shanghai Bell | pCR 24.519 Rel-16 |  | |
|  |  | | [C1-200734](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200734.zip) | Clarification on calculation of the residence time spent within the 5G system | | | Intel / Thomas | pCR 24.535 Rel-16 |  | |
|  |  | | [C1-200832](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\update1\C1-200832.zip) | Port management corrections | | | Intel / Thomas | other Rel-16 | Revision of C1-200411  This includes 0411, Huawei as co-source, offline Cristina indicated this is fine  Lena, Wed, 05:30  OK  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Lena, Thursday, 09:06   * last change is also covered in Huawei’s C1-200566 * in subclause 8.5.1, “UE-initiated” should be “DS-TT-initiated“   Cristina, Friday, 05:13  OK to merge 566 and 411 | |
|  |  | | C1-200835 | Support for per-stream filtering and policing | | | Intel / Thomas | other Rel-16 | Revision of C1-200329  Cristina, Wed, 02:15  Reporting “PSFPSupportedListMax” does solve compatibility issue. But note that “PSFPSupportedListMax” is not in current supported PSFP parameter list. Hence the following revision may need to be considered:  Option1: add one parameter more – “PSFPSupportedListMax”;  Option2: follow up IEEE’s design, using “4 octets” as the length of “PSFPAdminControlListLength”.  As I mentioned in former email, C1-200570 also proposes the similar content. If the above revision suggestion can be taken, we would like to merge C1-200570 into C1-200329 and co-authoring.  Thomas, Wed, 15:05  Fine to take 329 on board  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Ivo, Thursday, 12:50  - 9.xz - it should be stated that this is a type 6 IE  - Figure 9.xz.2 - in order to enable adding additiona parameters to the table, the Figure 9.xz.2 should start with length field  - pCR should be against 24.519  Ivo, Thursday, 12:58  More detailed comments  Cristina, Friday, 09:11  Explains her encoding based on IEEE  Thomas, Monday, 15:39  Explains his view  Therefore there is no need to have more than 2 octets for coding of PSFPAdminControlListLength  Cristina, Tuesday, 05:03  but I’m worried about that such misalignment design with IEEE (in which 4 octets is required) may lead to compatibility issues. Sooner or later we have to face this problem.  Thomas, Tuesday, 10:20  To Cristina, thinks this is not a problem  Thomas, Tuesday, 16:12  To Ivo, has taken almost all comments on board, two are not considered  Rev available | |
|  |  | | C1-200855 | Establish PDU session to transfer port management information containers | | | Huawei, HiSilicon/Cristina | CR 1947 24.501 Rel-16 | Revision of C1-200564  Ivo, Wed, 11:50  In general ok wants to co-sign, still issues  - the CR is not based on the correct baseline - there is not "[general part to check if already covered]" in 24.501. This text should be present in the CR.  - there should be no changes indicated in the cover sheet  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  CRs in C1-200685, C1-200290, C1-200564 conflict  Lena, Thursday, 09:03  CR is not needed, requirement for PDU sessions always on already covered, requirement for UE to request SSC mode 1 is not justified  Ivo, Thurssday, 15:55  no need to add normative text on inclusion of Always-on PDU session requested IE in the bullet list starting with "If the UE requests to establish a PDU session of "Ethernet" PDU session type and the UE supports transfer of port management information containers, the UE shall:" as this is already captured in "If the UE requests to establish a new PDU session as an always-on PDU session (e.g. because the PDU session is for TSC), the UE shall include the Always-on PDU session requested IE and set the value of the IE to "Always-on PDU session requested" in the PDU SESSION ESTABLISHMENT REQUEST message."  Cristina, Friday, 04:58  Partly agrees with Lena, disagrees on SSC mode things  Cristian, Friday, 04:59  Fine with Ivo comment  Lena, Friday, 05:03  At the most, a note could be added in stage 3 stating something like “Only SSC mode 1 is supported for TSC PDU sessions”.  Yanchao, Friday, 08:26   1. SA2 requirement “the TSC service supported PDU session should be the always-on PDU session” has already been covered by the following text copied from clause 6.4.1 of 3GPP TS 24.501:   Cristina, Friday, 10:31  Delete “always-on PDU session” from proposed bullet list in new version  Cristina, Friday 10:32  Takes out ssc mode  Sung, Tue, 19:40  Asking when the update is available  Cristina, Wed, 02:38  Rev is available, explaining the mods | |
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|  | 5G\_CioT | |  | Peter – Main | | |  |  | CT aspects of Cellular IoT support and evolution for the 5G System | |
|  |  | | [C1-200298](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200298.zip) | Update of Reading coverage enhancement status +CRCES for Connection to 5G Core Network | | | BlackBerry UK Limited | CR 0684 27.007 Rel-16 | Revision of C1-200116 | |
|  |  | | [C1-200383](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200383.zip) | Resolve Editor´s Notes on NB-N1 mode extended NAS timers for CE | | | Ericsson / Mikael | CR 1891 24.501 Rel-16 |  | |
|  |  | | [C1-200384](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200384.zip) | Resolve Editor´s Notes on WB-N1 mode extended NAS timers for CE | | | Ericsson / Mikael | CR 1892 24.501 Rel-16 |  | |
|  |  | | [C1-200397](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200397.zip) | “MO exception data” access category | | | Ericsson / Ivo | CR 1897 24.501 Rel-16 | Merged into C1-200677 and its revisions  C1-200397, C1-200421 and C1-200677 overlap, all related to incoming LS in C1-200227  Fei, Thursday, 10:21  Both CRs (421, 397)have proposed to support the ""MO exception data" in the SNPN. I am not sure whether the NB-N1 mode will be supported in the SNPN.  Ivo, Thursday, 16:17  unaware of any statement which excludes SNPN in NB-N1 mode. If that's correct, then someone might deploy SNPN in NB-N1 mode and the standard should be prepared for it.  Ban, Thursday, 22:19  agree with Ivo that there is no restriction so far to exclude NB-N1 mode for SNPN.  Please note that C1-200677 provides the same solution  Amer, Friday, 00:07  Agrees with Fei, . I prefer to not do this unnecessary work. At the very least, an EN should be added saying that “The support for CP CIoT in SNPN is to be verified”.  Ivo, Friday, 09:21  Ok to merge this in 677 | |
|  |  | | [C1-200355](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200355.zip) | Applicability of UE specific DRX Parameter for NB-S1 mode Indicator | | | Vodafone GmbH | CR 3331 24.301 Rel-16 | C1-200355, C1-200417, C1-200498 overlapping, All related to the incoming LS in C1-200237  Amer, Friday, 00:32  Agree with the problem, don’t agree with the proposal, prefers Option 2 in [C1-200237](https://www.3gpp.org/ftp/tsg_ct/WG1_mm-cc-sm_ex-CN1/TSGC1_122e/Docs/C1-200237.zip)  Yang, Friday, 08:28  the CR in C1-200355 does re-use the same parameter negotiation scheme for UE specific DRX parameter negotiation in N1 mode.  Addition to UE indicating its specific DRX parameter by using the existing mechanism specified in TS24.301, as described on the cover sheet, in order to resolve the backwards compatibility issue, the UE needs to indicate it’s capability of supporting the UE specific DRX in NB-S1 mode in the UE network capability IE.  Can you please elaborate on your proposal as to how the negotiation will be done?  We are open to discuss alternatives to fix the backwards compatibility issue.  Mikael, Friday, 08:30  think CT1 should wait for SA2/RAN2 to progress further before deciding on the NAS solution as a decision on alt1 vs alt2 as indicated in incoming LS C1-200237 will impact the details of a NAS solution.  In my understanding, the proposal in C1-200355 may be a needed extension of alt1 to handle the described backwards compatibility issues, whereas if alt 2 is selected it is not needed.  Amer, Friday,  agree with Mikael’s proposal. To answer Yang’s question would prefer to copy the existing NAS procedure for negotiating eDRX parameter negotiation in 24.301, only the procedure for UE specific DRX parameters would involve two IEs, one for each mode/RAT.  Lin, Sunday, 09:05  Not agreeing with Amer, Option 1 has has no NBC problem, prefers 1 over option 2  Amer, Monday, 20:43  Asking how option 1 would address two described scenarios,  Yang, Tuesday, 07:37  Asking from Amer and Mikael details on their preference  Lin, TUesdy, 09:10  Explaining to Amer  Mikael, Tuesday,12:20  Correct, as of now our preference is to select alt2 as a baseline solution. Maybe we need to tweak the details of the solution but the main feature of alt2 to introduce a new NAS IE for NB-UE specific DRX value is what we prefer.  Your summary and comparison of alt2 vs your proposal is correct what I can see. We do not need a UE support indication in alt2 as use of the new IE indicates use of NB-UE specific DRX. The indication of negotiated NB-UE specific DRX value from MME to UE is sufficient for the supporting UE to differentiate supporting from non-supporting MME.  Amer, Tuesday, 16:41  Not agreeing with Lin  Amer, Tuesday, 17:16  To mikael, Yang, I agree with your views below. I prefer to not use the capability indications and use the DRX parameter IEs to negotiate Rel-16 NB-S1 mode DRX parameters. This also allows the MME to provide a different DRX parameter from the one that the UE requested.  Yang, Wed, 09:33  To Lin, Amer, Mikael, providing a rev, asking for comments | |
|  |  | | [C1-200417](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200417.zip) | Support for UE specific DRX for NB-S1 mode | | | Qualcomm Incorporated, Ericsson / Amer | discussion Rel-16 | C1-200355, C1-200417, C1-200498 overlapping, All related to the incoming LS in C1-200237  Lin, Friday, 11:36  principle the whole content of this paper is confusing as it does not distinguish the discussion between EPS and 5GS while the existing DRX NAS negotiation is totoally different between EPS and 5GS.  Lin, Sunday,  Further comment, option 2 does not work, has NBC issue  Mikael, Sunday, 22:36  thinks you have misunderstood alt2. At least my understanding of alt2 is different than what you describe …  In my understanding, one of the main points of different understanding is that you believe the legacy MME will provide a requested UE specific DRX to the eNB also at NB access whereas our interpretation is that the legacy MME only provides the requested UE specific DRX value to the eNB in WB. I guess we need to come to a common understanding on this, or agree on a solution that satisfies both options.  Lin, Tuesday, 07:52  Arguing based on incoming SA2 LS  Mikael, Tuesday, 10:49  Agreeing with some of Lin on issue 1), however, issue 2) is a RAN3 aspect | |
|  |  | | [C1-200420](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200420.zip) | 5GSM congestion timers apply to data transfer over control plane | | | Qualcomm Incorporated / Amer | CR 1908 24.501 Rel-16 | Kaj, Thursday, 14:19  In EPS, T3396 does not prevent sending of ESM DATA TRANSPORT message according to 6.5.1.4.2 and 6.5.3.4.2 in 24.301.  Thus,  in 5GS, T3396, T3584 and T3585 should not prevent transfer of user data using control plane CIoT 5GS optimization.  For this purpose, timer T3448 applies.  Yanchao, Friday, 10:26  Supports Kaj  Lin, Sunday, 09:30  1. Wrong CR template, e.g. the background yellow color is missing.  2. The ME box should be ticked in the cover page.  3. The date format is wrong in the cover page  4. The release no. is wrong in the cover page.  5. For the change part, prefer to use "neither A nor B nor C", not “neither A, B, nor C”. | |
|  |  | | [C1-200421](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200421.zip) | Definition of a new access category for MO exception data | | | Qualcomm Incorporated / Amer | CR 1909 24.501 Rel-16 | Merged into C1-200677 and its revisions  C1-200397, C1-200421 and C1-200677 overlap, all related to incoming LS in C1-200227  Fei, Thursday, 10:21  Both CRs (421, 397) have proposed to support the ""MO exception data" in the SNPN. I am not sure whether the NB-N1 mode will be supported in the SNPN.  Ivo, Thursday, 14:19  exception data reporting is not a regulatory service, and thus "Access attempt for MO exceptional data" should be done after "Access attempt for operator-defined access category", as in C1-200397.  Ivo, Thursday, 16:18  unaware of any statement which excludes SNPN in NB-N1 mode. If that's correct, then someone might deploy SNPN in NB-N1 mode and the standard should be prepared for it.  Ban, Thursday, 22:19  agree with Ivo that there is no restriction so far to exclude NB-N1 mode for SNPN.  Please note that C1-200677 provides the same solution  Ban, Thursday, 22:20  Services related to regulation should come first, before the Operator-defined access category.  Emergency call is regulatory requirement, where Exception data is not. Also, there is no way to prevent IoT UEs from using mo exception data, that may impact the traffic and make it uncontrollable. Therefore conceptually, operator-defined category should come first.  If you agree on this comment, then we can work on merging the 3 contributions:  C1-200421, C1-200397 and C1-200677.  Amer, Friday, 00:07  Agrees with Fei, . I prefer to not do this unnecessary work. At the very least, an EN should be added saying that “The support for CP CIoT in SNPN is to be verified”.  Amer, Friday, 00:11  I am OK with moving the new row below ODAC. However, as I explained in the other thread about C1-200421, there is no support for CP CIoT in SNPN, so the related subclause should be removed  Lin, Sunday, 07:19  We believe CP CIOT can be supported by SNPN via NB-IoT/eMTC connected to SNPN 5GCN. At least we did not see any clear spec text in both SA2/CT1 to exclude it, so by default, I can be supported. But we could live with to add an EN to capture this without touching SNPN as the timebeing.  It seems C1-200421 and C1-200397 will be merged into the revision of C1-200677, I do support this way  Ban, Monday, 12:30  Provides a rev of 677 in the drafts folder, is this fine for all, i.e. can 421, be merged  Amer, Monday, 19:52  We are OK with merging C1-200421 into C1-200677-r1 and we would like to co-sign the CR  Amer, Tuesday, 00:48  Still want to keep the en | |
|  |  | | [C1-200424](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200424.zip) | Update of +CNMPSD for NR | | | BlackBerry UK Ltd. | CR 0685 27.007 Rel-16 |  | |
|  |  | | [C1-200496](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200496.zip) | Ciphering and deciphering handling of CPSR message | | | Huawei, HiSilicon/Lin | CR 1930 24.501 Rel-16 |  | |
|  |  | | [C1-200497](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200497.zip) | UE-requested user-plane resources release in NB-N1 mode | | | Huawei, HiSilicon/Lin | CR 1931 24.501 Rel-16 | C1-200419 and C1-200497 overlap  Amer, Friday, 00:43  this proposed optimization does not provide a favorable cost-benefit tradeoff, existing solution not optimal, but works, prefer to not agree to this CR in Rel-16  Lin, Friday, 06:00  Coment form Amer to general, asks for more details  Fei, Friday, 08:45  I share the same view with Amer and the additional enhancement is not needed.  Lin, Friday 10:35  Explains benefit of the proposal  Fei, Friday, 10:42  Does not agree, questions why you are talking about the DL packets. If the UE has already two DRBs, how the AMF triggers the setup of the DRB.  Lin, Friday, 15:38  Explains his position with example  Kaj, Friday, 17:23  There is no stage-2, and that would be needed  Amer, Friday, 21:53  Fei and Kaj provided the details you requested from me. I second their comments and re-affirm my position that **this CR is not needed in Rel-16**  Fei, Friday, 02:35  actually this CR has introduced a UP to CP data transfer switch mechanism, which has no stage 2 requirement either.  Lin, Saturday, 14:22  Defends his case, explains other cases where there was no explicite stage-2 either  Lin, Saturday, 14:29  To Fei please do not confuse something! Defends his case  To Amer, Sunday, 15:15  You just provided a general comment “does not provide a favorable cost-benefit tradeoff” but what Kaj and Fei’s comments are related to stage 2 requirement for which I have clarified.  So I still did not get your specific technical comments.  Asking for a technical comment  Amer, Sunday, 19:01  - The existing stage 3 solution fulfills the stage 2 requirements of ensuring that not more than 2 PDU sessions have active user plane resources  - Based on the above, your proposal is an optimization. The implementation effort for this optimization outweighs the benefits, in my opinion, especially at this stage in the release:  -- It is simpler to implement the logic to release a PDU session beyond instead of a logic to handle the corner cases like the one you described below + a new NAS procedure. For most NB-IoT devices, I think the existing solution will be sufficient.  -- Augmenting the NAS protocol by adding new features to it for small gains goes against the objective of making simple and cheap IoT devices  - NAS protocol currently does not support a procedure for the UE to initiate a release of active UP resources of a PDU session. This would be a substantial addition to the NAS protocol that should be evaluated and OK'ed by SA2 first.  **Based on the above, my proposal is to submit this idea to SA2, and if agreed in SA2, work on it as a Rel-17 enhancement**  **Kaj, Sunday, 22:52**  this CR proposes a new procedure and as CT1 does not own the stage 2, the stage 2 responsible group should specify such procedure i.e. SA2.  **Lin, Monday, 02:25**  Answering to Amers commments  **Lin, Monday, 02:25**  Answering to Kaj comments, this is not a new procedure  **Fei, Monday, 02:50**  Does not agree with Lin, If the PDU session is not CP only PDU session and the network has indicate the support of N3 data transerfer and CP in the registration accept message, then when the UP resource of the PDU session is released, the UE can send the small data over CP for this PDU session. This is somehow considered as the UP to CP switch.  Lin, Monday, 04:41  Does not agree with Fei, explaining why  Amer, Monday, 19:43  It seems that we both agree that your proposal is an optimization to the current solution, which meets the requirements. We disagree on the need to implement this optimization. A I stated below, I think that the cases where your proposal will make a difference are rare and unlikely to occur, and as such are **not worthy of addressing by creating a new NAS signaling procedure at this stage in Rel-16.**  Kaj, Monday, 20:18  this is a new procedure, UE initiated user plane release procedure, create new mechanisms in NAS and CN to coop with a RAN limitation, makes no sense.  Lin, Tuesday, 03:01  Arguing with Kaj why the CR is needed and is not new  Ani, Wed, 10:37  Acks the use case, solution too complex, prefers something like in C1-198074  Chen, Wed, 15:22  To kaj, amer, ani  Does not agree with them  Wants to co-sign | |
|  |  | | [C1-200498](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200498.zip) | NAS evaluation on options for UE specific DRX for NB-IoT | | | Huawei, HiSilicon/Lin | discussion Rel-16 | C1-200355, C1-200417, C1-200498 overlapping, All related to the incoming LS in C1-200237  Amer, Friday, 01:13  Disagrees with proposal 1 and proposal 2, proposal 3 out of scope | |
|  |  | | [C1-200500](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200500.zip) | Discussion on truncated 5G-S-TMSI over NAS | | | Huawei, HiSilicon/Lin | discussion Rel-16 |  | |
|  |  | | [C1-200502](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200502.zip) | AMF behavior on stop T3448 | | | Huawei, HiSilicon/Lin | CR 1933 24.501 Rel-16 |  | |
|  |  | | [C1-200588](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200588.zip) | Ambiguity in the suspend indication from lower layers to the NAS | | | Samsung/Mahmoud | discussion 24.501 Rel-16 | Amer, Friday, 01:28  any breakdown in the meaning of the suspend indication that would be introduced in the specs would be untestable, provides an alternative  Mahmoud, Friday, 02:10  I would like to point out that the text you propose below is for the case when the pending procedure is registration request or service request procedure.  The CR also covers the case that the pending procedure is an UL NAS TRANSPORT for sending data which is a different paragraph, and just adding “Control Plane Service Request” there does not suffice.  Mikael, Friday, 08:48  paper is relevant and when looking at NAS specification the same lower layer indication seems to trigger two different behaviors. It should be clarified by RAN2 how these cases are distinguished so therefore  I support sending an LS to request clarification, but I would prefer to leave it open for RAN to explain or resolve without CT1 pointing at any specific required action.  Mahmoud, Friday, 16:37  Explains to Amer, ok to reword the LS  Behrouz, Friday, 19:45  it is absolutely clear that there are two possible actions for the UE to take for the exact same indication form the lower layers. Hence, we too are of the understanding that something has to be done to resolve this issue.  We would like to, therefore, support sending an LS to RAN2.  Mahmoud, Friday, 21:35  ….In other words, the UE can implement this distinction in any way it wants. The proposal about different naming is just to remove the confusion in the specs.  At any rate, sending an LS along the lines of what Mikael suggested is fine. No need to hint any (untestable) solutions.  Rae, Monday, 10:14  Based on the discussion paper, I also think the issue does exist.  Also it is better that keep CT1 spec and RAN2 spec align for the indication between NAS layer and RRC layer.  So I support what Mikael suggested, i.e. sending an LS to RAN2 to let RAN2 clarify. | |
|  |  | | [C1-200593](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200593.zip) | Service area restrictions for UEs using CIoT 5GS optimization | | | Samsung/Mahmoud | CR 1967 24.501 Rel-16 | Amer, Friday, 01:42  are there any stage 2 requirements to support this stage 3 CR?  Mahmoud, Friday, 02:01  have not seen any requirement stating that service area restriction is not applicable for UEs that use CIoT 5GS optimization, and the current service area restriction have not considered such UEs  Kaj, Friday, 11:36  Almost fine, but what is the motivation for "*or a DL NAS TRANSPORT message with the Payload container type IE to set to "CIoT user data container" has been received"* ?  To me the NW should not send a DL CIoT user data container in the first place when the UE is in non-allowed area.  Mahmoud, Friday, 17:45  Explains the motivation to Kaj  Amer, Friday, 21:11  I was not able to find any stage 2 requirements for allowing the UE to:   * send exception data inside a non-allowed area.; or * initiate UL NAS transport procedure to transport CIoT user data container upon receipt of a DL NAS TRANSPORT msg with CIoT user data container inside a non-allowed area.   Are there such requirements?  Mahmoud, Friday, 22:42  There are no such reqs, but we need to consider these UEs…… if you have other suggestions for this then please provide them. However, it is clear that something needs to be done for UEs that use CIoT 5GS optimization that are in restricted service area.  Mahmoud, Saturday, 23:44  Further clarifies his comments and answers to Kaj  Lin, Sunday, 10:23  Fine in general, detailed comments via drafts folder  Mahmoud, Monday 05:24  One comment no problem to take into account, **your comment about network not sending CIoT user data to the UE while in a restricted area, I am not sure about that.** As mentioned to Kaj in another email, the restriction in SA2 is about 5GSM signalling. Noting that SMS is not prohibited in the DL, it is not evident to me that CIoT user data cannot be sent by the network. I am of the opinion that the network can choose to do so if it wants.  Please provide further thoughts on this  Amer, Monday, 19:08  My position is that this rationale should be discussed and **agreed in stage 2 first before we can agree to your CR in stage** *3*.  Mahmoud, Monay, 19:54  To Amer, asking for any suggestions for improvement. Yet, you seem to question the entire concept.  If this is the case, then we need to send an LS to SA2 to ask about guidance on the applicability of service area restriction to UEs that use CIoT 5GS optimization. I will draft and share one.  Amer, Monday, 00:10  On the LS, I am OK with asking SA2, if everyone else is OK too, about the exception to the service restriction for exception data, proposal to exempt UL data transfer to send an application layer ACK, I don’t agree with that question  Lin, Tuesday, 10:54  Limit the scope of the TR, and maybe we can not touch DL in this meeting and then discuss it separately in the next meeting  Amer, Tuesday, 16:36  Wants to see a draft CR showing the remaining aspects before providing comments  Mahmoud, Tue 19:54  Providing the draft-v1  Amer, Tue, 23.59  Looking at 23.501, it seems that the same applies to 23.501, i.e. the reason that 24.501 has not considered these aspects is that stage 2 has not considered them either. My SA2 colleague confirms that this seems to be a gap that needs to be closed in SA2, since 5G CIoT is a Rel-16 work item and service area restrictions had been defined in Rel-15. **So this needs to addressed by SA2 first**. In this particular case, since you are drafting an LS on service area restrictions out of this meeting, you could maybe add this aspect to the draft LS. Another option is to submit a CR to close the gap to SA2 directly. | |
|  |  | | [C1-200594](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200594.zip) | Adding reference to TS 24.501 for exception data reporting | | | Samsung/Mahmoud | CR 0047 24.368 Rel-16 | Merged into C1-200773 and its revisions  Ban, Tuesday, 12:54  Wants this to be merged into 773  Mahmoud, Tuesday, 16:31  Fine with the merge | |
|  |  | | [C1-200618](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200618.zip) | Value range of UE specific DRX in NB-S1 mode | | | Vodafone GmbH | CR 3212 24.008 Rel-16 | Amer, Friday, 01:47  Believes CR is inmature, CT1 should first agree on a complete stage 3 solution for signaling of UE specific DRX parameters for NB-S1 mode, - There is a related ongoing discussion in RAN2 on the value range of UE specific DRX parameters for NB-S1 mode  Lin, Sunday, 09:11  believe the original motivation of RAN to support this feature is to shorten down the paging latency as currently NB UE can only use eDRX for paging.  So if we want to define the value range, then we would prefer to have the value range as {320ms, 640ms, 1.28s, 2.56s, 5.12s, 10.24s}  We also believe that the UE specific DRX value and the cell specific DRX value are two different concepts and there is no requirements they have to use the same value range | |
|  |  | | [C1-200661](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200661.zip) | Single downlink data only indication and release of NAS signalling connection | | | Ericsson /kaj | CR 1979 24.501 Rel-16 | Mahmoud, Thursday, 19:10  Request changes to conditions  Amer, Friday, 01:51  No UE impact, untick ME  Lin, Sunday, 07:27  In principle the CR is fine but I some proposal under.  <https://www.3gpp.org/ftp/tsg_ct/WG1_mm-cc-sm_ex-CN1/TSGC1_122e/Inbox/Drafts/C1-200661-single-dl-data-only-indication-and-signalling%20connection-release-v01-Lin.docx>  Kaj, Tuesday, 11:15  Some of the proposals taken on board, requesting aconcrete proposal form Mahmoud on some aspects | |
|  |  | | [C1-200666](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200666.zip) | Service gap control timer corrections | | | Ericsson /kaj | CR 3335 24.301 Rel-16 |  | |
|  |  | | [C1-200675](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200675.zip) | CIoT user data container in CPSR message not forwarded | | | Ericsson /kaj | CR 1743 24.501 Rel-16 | Revision of C1-198950  Amerd, Friday, 01:54  the CR doesn’t have any UE impact. If that is correct, the ME box in the cover sheet should be unchecked  Lin, Sunday, 07:51  Alll in all, we do not like the CR direction and would prefer to go another direction, i.e. the NW rejects  Kaj, Tuesday, 08:33  Only agrees with the second of Lin’s comments, not with the first one  Lin, wed, 02:47  It sounds not a good logic that you provide a failed cause in a Accept message, IMO.  Not convinced | |
|  |  | | [C1-200682](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200682.zip) | MO exception data for NB-IoT in 5G | | | DOCOMO Communications Lab., Ericsson | CR 1986 24.501 Rel-16 | Withdrawn  CR was withdrawn as it used a CR number requested for 24.501 instead of 24.368 | |
|  |  | | C1-20782 | 5G-GUTI reallocation after resume from 5GMM-IDLE mode with suspend indication due to paging | | | Samsung/Mahmoud | CR 1959 24.501 Rel-16 | Revision of C1-200583  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Fei, Thursday, 11:55  motivation of the CR is fine. However one more condition should be added to clarify that this is only applied for the MT access resume cause.  Now the CR looks that even the resume procedure is triggered by the mo-signalling or mo data, the 5G-GUTI allocation is also required during the lifetime of the NAS signalling connection.  Mahmoud, Thursday, 16:25  Provides an answer to Fei  Fei, Friday, 02:54  Fine with Mahmoud comment, provides a proposed wording  Mahmoud, Friday, 03:38  Ok with the wording form Fei, will provide a revision  Mahmoud, Friday, 19:17  Announces revision  Kaji, Sunday, 22:28  **Explaining security aspects … given this I do not see that the proposed change is needed.**  **Mahmoud, Monday, 14:22**  **Explaining to Kaj that there are security issues that need to be resolved**  **Kaj, Monday, 22:36**  **To Mahmoud**  Note that there is no 5G-GUTI re-allocation requirement in stage 2 for the MO service request which could happen over and over again from 5GMM-IDLE to 5GMM-CONNECTED without a 5G-GUTI re-allocation in between.  SA3 did not see the lack of 5G-GUTI re-allocation at MO service request as a security issue.  The same reasoning applies for paging with resume response case  Mahmoud, Monday, 23:25  Not agreeing with kaj,  Again, I have clarified that paging with same 5G-S-TMSI twice should not be possible with the current SA3 requirement. And I also demonstrated that there is a case (as explained by our CR) where this breaks.  **At this point, we should ask SA3 for guidance on this important security matter.**  **I therefore will draft an LS to SA3 on this and let them tell us what the requirement is**.  **Kaj, Tuesday, 08:19**  The current TS 33.501 is clear about when 5G-GUTI reallocation shall take place and resume response to paging request is not one of the triggers.  According to our SA3 colleagues this is intentionally.  **If Samsung wants to also have paging with resume response as a trigger, then this should be handled in SA3 via regular CR and not via a LS from CT1.** | |
|  |  | | C1-20783 | Adding an editor’s note for suspend indication due to user plane CIoT 5GS optimization | | | Samsung/Mahmoud | CR 1961 24.501 Rel-16 | Revision of C1-200585  Lin, Tuesday, 12:11  fine  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Amer, Friday, 01:32  disagree with the editor’s note. Resolving the EN would amount to designing the API between AS and NAS, which would be untestable, provides an alternative  Mikael, Friday, 08:59  Something needs to be done in 24.501, an EN would be good, provides some text  Mahmoud, Friday, 19:46  Fine with mikael’s suggestion, announces a revision  Amer, Friday, 23:53  Suggests to only to an EN  ditor’s Note: Clarification is needed to differentiate the suspend indication due to the use of user plane CIoT 5GS optimization from a suspend indication due to the RRC entering the RRC inactive state  Mahmoud, Saturday, 00:33  Different wording for the En  Amer, Saturday, 01:00  Fine with the EN  Mikael, Saturday, 10:26  Fine  Lin, Sunday, 10:15  Fine, use CAT F  Mahmoud, Tuesday, 00:29  Update available ack  Amer, Tuesday, 00:51  783 looks ok | |
|  |  | | [C1-200786](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200626.zip) | Indication of change in the use of enhanced coverage | | | BEIJING SAMSUNG TELECOM R&D | CR 1975 24.501 Rel-16 | Revision of C1-200626  Amer, Monday, 18:38  Looking for 786  Mikael, Wed, 15:58  **Anyway, the discussion is ongoing in SA2, and as I already stated, we do not think CT1 should proceed with this CR unless there is an SA2 agreed CR to align to. Lets see how quickly SA2 can come to a conclusion**.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Amer, Friday, 01:48  are there any stage 2 requirements to support this stage 3 CR  Fei, Friday, 08:57  Wants to discuss stage-2 first  Mahmoud, Friday, 17:58  Highlights that there are stage-2 reqs, cover page explains the issue  Amer, Friday, 20:44  not debating the need for the indication but I **disagree that CT1 can introduce it without SA2 requirements**. The restriction on the use of EC is a system-wide feature and modifications to the related procedures need to be considered by SA2. They should confirm the need for the indication; if OK’ed, SA2 should decide what is the best procedure to use to provide it to the UE, how it fits in with the similar indications in the core NW, should other nodes be involved too (as Fei hinted  Mahmoud, Friday, 23:52  To Amer, CT1 can discuss this. There is a CR to SA2 emeeting, linkage will be provided on the cover sheet, based on that, asking for more comments  Amer, Saturday, 02:02  Thanks for SA2 info, asking one more question/suggestion  Mahmoud, Saturday, 02:49  That does not work. Sending a CUC message containing only the Configuration update indication IE with registration requested bit set is specifically used for the purpose of AMF relocation  Amer, Saturday, 04:00  Can’t see the limitation mentioned by Mahmoud in 24.501  Lin, Saturday, 08:41  support the CR to resolve this gap between the UE and the NW on using the extended NAS timer for UEs in CE mode B. some comment on the IE coding  Amer, Saturday, 12:20  Commenting, One way to make the new proposed indication useful would be to have it directly indicate to the UE whether the enhanced coverage is restricted or not without requesting registration. That would avoid the need to trigger the registration procedure  Mahmoud, Saturday, 21:31  I am sorry but your proposal changes the fundamental principle that features are requested by the UE via registration procedure and usage of a feature is indicated to be allowed by the network in the Reg. Accept message.  It is important for the UE to register and for the network to indicate whether or not EC is being used, and based on this negotiation the AMF can inform the SMF so that all the network entities are in synch.  This is how it has been and so we don’t like to deviate from this principle.  What is the issue with the UE registering again?  Mahmoud, Saturday, 21:31  To Amer, pls check section 5.3.1.1.  Mahmoud, Saturday, 21:32  Fine with Lin’s way forward, rev will be in 00786  Amer, Sunday, 04:06  Still not convinced  The issue with the UE re-registering, from the UE point of view, is:  - The REGISTRATION REQUEST message would carry zero useful information. Sending such messages is a bad protocol design.  - These are NB-IoT devices, which are supposed to have lean, (power-)efficient protocols.  Mikael, Sunday, 18:07  Agrees with much of what Amer is saying, long explanation  so therefore we believe the **discussion needs to be concluded in SA2 before an alignment in CT1 can be agreed.** At least we need to have the finally agreed SA2 CR available before we can agree a CR in CT1. We cannot at this time assume that the changes will be limited to what is captured in the SA2 CR as submitted  Fei, Monday, 02:08  I agree with what Amer said.  If the subcription changes to the restriction of the use, then there is no need for the UE to trigger the registration procedure. This is somehow like the SMS availability indication.  Yang, 09;48  Our inclination is to side with Mahmoud/Lin to have a prompt recover from the mismatch of the usage of enhanced coverage between the UE and the network.  Certainly, the solution needs to align with stage 2. | |
|  |  | | [C1-200792](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200435.zip) | UE behaviour when T3447 running | | | ZTE | CR 1917 24.501 Rel-16 | Revision of C1-200435  Lin, Tuesday, 10:12  Fine with the CR, some aspect open  Fei, Tuesday, 10:37  Clarifies that the aspect mentioned by Lin is already addressed  Kaj, Wed, 15:55  Coming in late  ….What I try to say is,  do we really need specify this new exception?  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Amer, Friday, 00:36  if T3447 is running than the UE cannot send any data for any service. So what is the rationale for the urgency to report change in PS data off status while T3447 is running?  Fei, Friday, 04:28  Answers the questions from Amer  Amer, Friday, 21:58  Thanks for the clarification.  Lin, Sunday, 14:57   1. normally the UE cannot modify an emergency PDU session and hence, it would be better to refer the error cases as specified in sub 6.4.1.3 and 6.3.2.3, e.g. yellow text added. 2. changed sub 5.4.5.2.6 is only for the connected mode, then how about the idle mode? When T3447 is running in the idle mode and the PS data off is changed, then whether the UE is still allowed to initiate the SR in order to send the PDU session modification? IMHO, it think so and hence the required change for the idle mode is also needed. 3. The “or” at the end of below text needs to be removed.   Fei, Monday, 08:26  Rev in drafts folder, all taken on board | |
|  |  | | C1-200812 | Support for the signalling of the capability for receiving WUS assistance information | | | Qualcomm Incorporated / Amer | CR 1907 24.501 Rel-16 | Revision of C1-200418  Lin, Tuesday, 10:07  Please reword condition  Amer, Tue, 18:47  Provides rev3 to Lin  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Yanchao, Friday, 10:13  AMF<>MME change needed  Mikael, Friday, 11:02  don’t use ”doesn’t”, use “does not”. 4 places.  Fei, Friday, 11:33  Indicate stage-2 cr on cover page dependency  If and only if rewording  Amer, Friday, 22:28  Takes all comments received on board  Mahmoud, Friday, 23:03  What does “active emergency PDU session” mean exactly? I have not seen this term in the spec.  Amer, Saturday, 00:49  Same active” condition as the stage 2 CR, but will clarify this further  Fei, Saturday, 02:25  believe that "active' can be removed.  Lin, Sunday, 09:20  In prinviple fine, some comments via drafts folder  Amer, Tuesday, 01:55  Regarding the comment to remove the condition on not having any emergency sessions: the reply LS from SA2 that you quoted confirms the condition and so does the stage 2 text. So can you clarify your request to remove the condition on not having any emergency sessions? | |
|  |  | | [C1-200821](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\update1\C1-200821.zip) | UAC updates for NB-IoT to include "MO exception data" | | | DOCOMO Communications Lab. | CR 1983 24.501 Rel-16 | Revision of C1-200677  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  C1-200397, C1-200421 and C1-200677 overlap, all related to incoming LS in C1-200227  Amer, Friday, 01:56  As explained for C1-200421, there is no support for CP CIoT in SNPN, so the related subclause should be removed  Ivo, Friday, 14:14  OK to revert changes for SNPN, i.e. in Table 4.5.2A.2. However, I would like to see an editor's note, e.g. "The support for CP CIoT in SNPN is to be verified" under Table 4.5.2A.2.  Fei, Tuesday, 04:32  Fine with the rev from Ban | |
|  |  | | C1-200831 | Stop T3565 upon connection resumption | | | vivo / Yanchao | CR 1900 24.501 Rel-16 | Revision of C1-200400  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Corrected agenda  Lin, Monday, 09:41  The CR is fine with some comments to improve it ….  Yanchao, Monday, 10:46  To Lin, comments taken on board, rev in drafts folder  Fei, Monday, 11:18  **Reference to 36.413 is not right**.  The correct reference should be 38.413. Otherwise it means that the AMF will support the S1 interface.  Although the NR does not support the CIoT, the eNodeB still needs to update to support N2 and N3 interface for the 5G\_CIoT.  Lin, Monday, 11:22  I am talking about E-UTRA connected to 5GCN, which is NGAP between eNB and AMF, not S1.  For E-UTRA connected to 5GCN, it was covered in 36.413, not in 38.413.  **Fei; Monday, 11:31**  **Does not agree with Lin on the reference**  **Amer, Monday, 20:47**  **Wanted to know whether agenda item is correct?**  **Fei, Tuesday, 03:18,**  **Agenda item is correct**  **Lin, Tuesday, 09:54**  **After checking, agrees with Fei** | |
|  |  | | C1-200852 | Stopping of T3513 after connection resume for user plane CIoT 5GS optimization | | | Samsung/Mahmoud | CR 1956 24.501 Rel-16 | Revision of C1-200580  Mahmoud, Tue, 23:19  Only change was to make it CAT F  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Lin, Sunday, 10:12  Fine,  Better to be category F CR.  Change part needs also to refer TS 36.413  Lin, Monday,09:43  Corrects his comments,on reference  Although email is a bit confusing:  Lin, Tuesday,  Corrects his comments, right ref is 38.413, which is used in the CR | |
|  |  | | C1-200859 | Recovery from fallback for UEs using CP CIoT optimization | | | Samsung/Mahmoud | CR 1966 24.501 Rel-16 | Revision of C1-200592  Ani, Wed, 05:26  Providing this new rev, new approach  This requires confirmation from Osamah, Robet, Lin  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Amer, Friday, 01:42  OK with the rationale and the objective of the CR. We think that the same objective could be achieved with much less impact on the specification, provides an alternative  Kaj, Friday, 11:36  Almost find,  I’m almost fine with the CR except:   * for the last update, the NAS message container could be included if the UE wants to sync PDU session status (PDU session status IE). Maybe you could change to:   + *the* *UE shall send the CONTROL PLANE SERVICE REQUEST without including the Payload container IE and without including the CIoT small data container IE.*   Amer, Friday, 21:23  existing text says “If the UE has only uplink user data or SMS to be sent…” Doesn’t this cover it?  Mahmoud, Friday, 23:15  Explaining to Amer section 5.3.1.4: does not apply for UEs that use CIoT optimization further explanation, asking Amer to give comments specific per each section  Lin, Sunday, 09:41  We also agree with the intention of the CR and need to do something but the proposed changes are overdone as some cases will not happen for UE is using CP. Detailed comments via DRAFTS  Mahmoud, Monday, 05:02  Takes Lin’s proposal into account, provides new revisiokn and explains why. Lin is asked to confirm that this clarifies his comments  Lin, Tuesday, 10:42  Clarifies that the case needs to be more specific, i.e rewording for condition  Mikael, Tuesday, 14:42  I am fine in general with the intentions of the CR, but a couple of minor comments for now:  …..  Mahmoud, Wed, 04:11  Explaingin to Lin how the rev is addressing his comments, new number is 859, asking for comments  Explaing to Mikael that all comments are taken on board | |
|  |  | | C1-200861 | Removal of EN and additional abnormal case for cause #31 | | | Samsung/Anikethan | CR 3330 24.301 Rel-16 | Revision of C1-200351  Ani, Wed, 05:26  Providing this new rev, new approach  This requires confirmation from Osamah, Robert, Lin  Robert, Wed, 10:44  Generally ok, minor editorial  Ani, Wed, 11:43  Acks Robert’s comment  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Osamah, Thursday, 23:10  Does not agree with the proposal, leaves a security hole in the spec, at least a NOTE would be needed  Arni, Friday, 11:42  Long explanation for the CR  But I am also ok with your suggestion that we add a note saying that it can be implementation whether any additional actions need to be taken in cases of receiving non-integrity protected reject.  Would you be ok with that?  And my comments are the same for 200351 as well.  Osamah, Tue, 23:07  I checked with my SA3 colleagues. There is not any requirement for MME to run authentication when redirecting CIoT devices from 4G to 5G using cause #31. Currently, this kind of redirection is not security concern as it is not downgrade attack and 5G is much better in security than 4G. In other word, there is not any text or living CR in SA3 to prevent legit MME to send that cause code non-integrity protected. I think the text in TS 24.301 was not accurate to mandate to discard that NAS message. | |
|  |  | | C1-200893 | Enhancement on CPSR for CIoT CP data transport | | | Huawei, HiSilicon, Vodafone, ZTE, China Mobile, China Telecom, CATT/Lin | CR 1701 24.501 Rel-16 | Revision of C1-200495  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Revision of C1-198581  Mikael, Friday, 01:35  Compared to previous version of this CPSR optimization proposal, ngKSI and SN have been shortened and combined into one octet.  Shortening SN will result in security impact and decreasing the window for accepted NAS COUNT values at replay protection. This is not acceptable for us and the previous “normal” 8 bit SN needs to be used.  Shortening ngKSI will loose the TSC indication. We believe there are cases when this is needed and given that there is no actual saving in message size, assuming SN is reverted to 8 bits, we would prefer to also keep the “normal” ngKSI  Behrouz, Friday, 17:07  Supports Mikael, general position in regards to this topic has not changed. I don’t see any strong reason for defining a Non-Standard L3 message, creating an exceptional case and, hence, making the protocol more complex.  Vivek, Friday, 17:36  Our views have not changed on this topic as well, and we are \***not**\* in favor of further optimization of CPSR message by defining this as a non-standard L3 message.  Lin, Monday, 01:43  Fine with Mikael’s proposal, rev in drafts folder  Lin, Monday, 02:00  To behrouz, Vivek, The CPSR message is a NEW NAS message in 5GS and dedicatedly used for CP CIOT data transport, which is already a special NAS message. As we discussed/analyzed in the past, even to save one octet for this message over NAS, will save much more transport block and restrasmission over AS layer and finally will improve the CIoT device battery life and signaling efficienc  Looking whether Vivik Behrouz can live with the rev in drafts folder  Jennifer, Monday, February 24, 2020  Our position remains the same as well.  In 5G, there is no non-standard L3 NAS message, 5G Service request is designed as standard L3 NAS message. Introducing a new non-standard L3 NAS message would incur much development complexity and testing overhead. We are not convinced that there is need to introduce the CPSR message as a non-standard L3 NAS message.  Yang, Tuesday, 08:41  Accepts Mikaels comment, sconds what Lin said | |
|  |  | | C1-200894 | No SMS in payload container IE in CPSR message | | | Huawei, HiSilicon/Lin | CR 1934 24.501 Rel-16 | Revision of C1-200503  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Kaj, Friday, 17:47  some sympathy with your proposal but I do not fully agree with the conclusion.  If the UE wants to both send SMS and e.g. synchronize PDU session status with the NW, then the Payload container IE must be used.  Lin, Monday, 04:28  Agrees with Kaj’s proposals, provides rev in drafts folder  Kaj, Monday, 09:44  Almost fine with the rev, more changes requested  Lin, Tuesday, 03:19  Takes Kaj comment on board, updates cover page as requested  Kaj, Wed, 14:56  FINE | |
|  |  | | C1-200895 | Truncated 5G-S-TMSI over NAS | | | Huawei, HiSilicon/Lin | CR 1932 24.501 Rel-16 | Revision of C1-200501  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Yang, Thursday, 11:36  Proposes usage of a Note, instead repeated text  Fei, Thursday, 11:38  The UE behaviour shall also be enhanced to indicate the UE will provide this info to the lower layer since the truncated S-TMSI is used over the RRC interface.  Mikael, Friday, 15:45  Whyi is PNB used  Does not think that normative requirement needed in NAS spec  Behrouz, Saturday, 20:27  new IE that you are introducing should be a Type 4 IE of TLV format and, hence, of Length = 3.  Lin, Monday, 04:07  Has taken almost all comments on board, rev in drafts folder, asks for confirmation  Fei, Monday, 10:32  Suggests some rewording in the rev  Amer, Monday, 19:22  It is untestable what the UE provides to the lower layer; namely: 5G-S-TMSI or the 5G-S-TMSI configuration. Whichever option we select in the specs is unenforceable through testing. So this should not be a requirement, but rather a note  Lin, Tuesday 03:16  Fine with Amer’s proposal, has a rev in drafts folder | |
|  |  | | C1-200853 | Handling of user-plane resources for NB-IoT UEs having at least two PDU sessions | | | Qualcomm Incorporated, Ericsson / Amer | CR 1672 24.501 Rel-16 | Revision of C1-200419  Kaj, Wed, 15:42  Why is ericsson removed  Refe from Gerneral section to normative  section does not work  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Revision of C1-198585  C1-200419 and C1-200497 overlap  Fei, Friday, 08:15  Couple of comments, proposals  Yanchao, Friday, 10:25  Hints at # that needs to be deleted  Amer, Friday, 22:28  Comments will be taken on board  Lin, Sunday, 09:26  Some detailed comments via drafts folder  Amer, Wed, 01:14  Providing rev, Lin to check | |
|  |  | | C1-200914 | PDU session status with control plane service request message | | | Ericsson /KAJ | CR 1980 24.501 Rel-16 | Revision of C1-200663  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Amer, Friday, 01:53  first change is incorrect. The correct statement is already in sc. 8.2.30.6. So I propose to remove the first change. After the removal, the ME box on the cover sheet should be unchecked  Fei, Friday, 09:02  the second change should be included in the subclause 5.6.1.4.2.  Lin, Sunday, 07:35  CR is fine, some detailed comments, in drafts folder  Kaj, Tuesday, 09:27  Does not agree with all comments, will update the proposal  Fei, Tuesday, 09:44  I would be fine if you also make the alignment for the UE not using the ciot subclauses.  Lin, Tuesday, 11:08  Fine with parts, however, second change needs to be clearer  Kaj, Wed, 13:22  Latest comments form Lin on board | |
|  |  | | C1-200915 | Correction to UL CIoT user data container not routable or not allowed to be routed | | | Ericsson /kaj | CR 1978 24.501 Rel-16 | Revision of C1-200658  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Amer, Friday, 01:50the CR doesn’t have any UE impact. If that is correct, the ME box in the cover sheet should be unchecked.  Lin, Sunday, 07:22  Based on existing text in sub 5.4.5.2.4, only cause #22 needs to be included to sent to the UE in your proposal.  Untick ME box  Kaj, Tuesday, 13:20  All comemnts accepted, reflected in a rev | |
|  |  | | C1-200919 | Service gap control, correction when to start service gap control timer in UE and NW | | | Ericsson /kaj | CR 1981 24.501 Rel-16 | Revision of C1-200669  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Lin, Sunday, 07:36  CR is fine but better to reword the "initial registration" to "registration procedure for initial registration" in the NOTE,  Kaj, Tuesday, 08:40  Acks Lin’s comment, will address it  Lin, Wed, 02:03  That is correct | |
|  |  | | [C1-200892](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200368.zip) | Addition of MT-EDT support indication | | | Ericsson, Qualcomm Incorporated, OPPO / Mikael | CR 3332 24.301 Rel-16 | Revision of C1-200368  Wid on the cover page needs to be 5GCIoT, TEI16  **NEEDS to be shifted to 16.2.21**  New CR under TEI16 but pursued based on consensus”.  CR was originally allocated under 5GCiOT, however, needs to also have TEI16 as work item on the cover page.  Pursued based on consensus  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Fei, Thursday, 10:18  Almost fine, some rewording requested  Mikael, Thursday, 11:01  Agrees with Fei, will fix it  Yanchao, Friday.10:59  Minor comment  Mikael, Friday, 10:55  Ok to yanchao  Lin, Sunday, 07:02  This is MT-EDT, not related to CIoT, rather SAES16 -> clarified that this means TEI16  cover page, RAN2 LS C1-200048 should be C1-200217.  Some parts of the new text very confusing  Mikael, Monday, 11:54  Can take the proosals form Lin on board, on work item, Mikael sees this as 5GCIoT, like in SA2  Amer, Monday, 00:15  this CR should be discussed under 5G\_CIoT and TEI16, since the corresponding stage 2 CR in [S2-1912322](ftp://ftp.3gpp.org/tsg_sa/WG2_Arch/TSGS2_136_Reno/Docs/S2-1912322.zip) is also agreed under 5G\_CIoT WI  Let | |
|  |  | | C1-200916 | Clarification on the use of exception data reporting | | | DOCOMO Communications Lab. | CR 1984 24.501 Rel-16 | Revision of C1-200679  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Lin, Sunday, 10:32  Fine, some rewording, via drafts  Ban, Sunday, 12:03  Fine with proposals from Lin, | |
|  |  | | C1-200917 | MO exception data for NB-IoT in 5G | | | DOCOMO Communications Lab., Ericsson | CR 0048 24.368 Rel-16 | Revision of C1-200773  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  CR was originally provided as C1-200682, on time, new CR number was needed for 24.368 | |
|  |  | | C1-200918 | Clarification of control plane service request message options | | | Ericsson /kaj | CR 1982 24.501 Rel-16 | Revision of C1-200672  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Mahmoud, Thursday, 20:36  Number of comments/questions  Lin, Sunday, 07:48  Some parts of the CR can go out, bullet d) to go in a NOTE  Kaj, Monday, 22:56  Responding to Mhamoud, Line, acknowledging the comments, providing a rev in drafts folder  Lin, Wed, 02:41  Asking for more changes on the rev  Kaj, Wed, 14:31  Taking all comms on board, rev in 918 | |
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|  | 5WWC | |  | Peter – Main | | |  |  | CT aspects on wireless and wireline convergence for the 5G system architecture | |
|  |  | | [C1-200276](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200276.zip) | Secondary authentication and W-AGF acting on behalf of FN-RG | | | Ericsson / Ivo | CR 1689 24.501 Rel-16 | Revision of C1-198161 | |
|  |  | | [C1-200277](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200277.zip) | EAP-5G handling and transport of NAS messages for wireline access | | | Ericsson / Ivo | CR 0110 24.502 Rel-16 | Revision of C1-198159 | |
|  |  | | [C1-200278](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200278.zip) | SUCI used by W-AGF acting on behalf of FN-RG | | | Ericsson / Ivo | CR 1870 24.501 Rel-16 | Conflict with C1-200754 in subclause 5.3.2 | |
|  |  | | [C1-200279](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200279.zip) | Resolving editor's note on W-AGF acting on behalf of FN-RG not using the "null integrity protection algorithm" 5G-IA0 | | | Ericsson / Ivo | CR 1871 24.501 Rel-16 |  | |
|  |  | | [C1-200280](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200280.zip) | Resolving editor's note on service area restrictions in case of FN-BRG | | | Ericsson / Ivo | CR 1872 24.501 Rel-16 |  | |
|  |  | | [C1-200281](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200281.zip) | Resolving editor's note in forbidden wireline access area | | | Ericsson / Ivo | CR 1873 24.501 Rel-16 |  | |
|  |  | | [C1-200282](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200282.zip) | Wireline 5G access network and wireline 5G access | | | Ericsson / Ivo | CR 1874 24.501 Rel-16 |  | |
| doe |  | | [C1-200284](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200284.zip) | Alignment for stop of enforcement of mobility restrictions in 5G-RG and W-AGF acting on behalf of FN-CRG | | | Ericsson / Ivo | CR 1876 24.501 Rel-16 |  | |
|  |  | | [C1-200300](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200300.zip) | Additional QoS Information in an untrusted non-3GPP network | | | Motorola Mobility, Lenovo | CR 0111 24.502 Rel-16 | Revision of C1-200002  Ivo, Thursday, 14:23  Many detailed comments on the sections  Roozebeh, Friday, 07:20  Provides answers in a revision  Ivo, Monday, 13:29  Requests additional changes  Roozbeh, Tuesday, 06:31  Provides the revision  Ivo, Tuesday 09:09  Does not like the rev from Roozbeh  Roozbeh, Tuesday, 16:16  Provides new revision  Ivo, TUed, 21:29  All comments are addressed | |
|  |  | | [C1-200302](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200302.zip) | Removal of editor's notes for N5CW device | | | Motorola Mobility, Lenovo | CR 0112 24.502 Rel-16 | Revision of C1-200005  Ivo, Monday, 16:07  - the editor's note in 7.3A.4.2 cannot be removed since subclause 28.7 of 3GPP TS 23.003 [8] is not sufficient clear on the NAI to be used. | |
|  |  | | [C1-200304](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200304.zip) | Removal of an editor's note | | | Motorola Mobility, Lenovo, BlackBerry UK Ltd. | CR 0113 24.502 Rel-16 | Revision of C1-200006 | |
|  |  | | [C1-200305](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200305.zip) | PDU session handling for N5CW device | | | Motorola Mobility, Lenovo | CR 1641 24.501 Rel-16 | Revision of C1-200007  Ivo, Monday, 16:14  details on TWAN and TWAP are out of scope of 24.501, as they do not send NAS messages. It is sufficient to refer to TWIF only, as TWIF sends NAS messages.  Roozbeh, Tuesday, 06:27  Provides the re  Roozbeh, Tuesday, 16:21  New rev, now has Ericsson as co-signer, requested by Ivo  Christian, Tue, 21:36  This CR is needed and we support the latest version we found on the Drafts folders. Can you please add Huawei and HiSilicon as co-signers?  Roozbeh, Wed, 00:06  Provides new rev | |
|  |  | | [C1-200454](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200454.zip) | ACS information via DHCP | | | ZTE / Joy | CR 1919 24.501 Rel-16 |  | |
|  |  | | [C1-200455](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200455.zip) | LADN service does not apply for RG connected to 5GC via wireline access | | | ZTE / Joy | CR 0070 24.526 Rel-16 |  | |
|  |  | | [C1-200518](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200518.zip) | Work plan for the CT1 part of 5WWC | | | Huawei, HiSilicon /Christian | discussion Rel-16 |  | |
|  |  | | [C1-200754](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200754.zip) | Registration of N5GC devices via wireline access | | | Nokia, Nokia Shanghai Bell,Charter Communications | CR 2020 24.501 Rel-16 | Conflict with C1-200278 in subclause 5.3.2  Ivo, Thursday, 14:37  Many detailed comments  Lazaros, Wed, 13:30  Providing a rev, asking Ivo to review | |
|  |  | | [C1-200755](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200755.zip) | Support of authentication and registration of N5GC devices via wireline access | | | Nokia, Nokia Shanghai Bell,Charter Communications | CR 0116 24.502 Rel-16 | Ivo, Thursday, 14:46  Number of detailed reqes, - unclear how the W-AGF receives the EAP-request and where it sends the EAP-responses - likely a 24.501 CR is needed.  Lazaros, Wed, 13:49  Providing a rev, asking Ivo to confirm | |
|  |  | | [C1-200756](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200756.zip) | Corrections on EUI-64 as PEI | | | Nokia, Nokia Shanghai Bell | CR 2021 24.501 Rel-16 | Ivo, Thursday, 14:48  summary of change, part 1) is confusing  - EUI-64 is already part of the mobile identity IE.  Lazaros, Tue, 19:47  Summary of change modified to address Ivo concern  Ivo, Tue, 21:18  OK | |
|  |  | | [C1-200757](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200757.zip) | Corrections on N5CW support | | | Nokia, Nokia Shanghai Bell | CR 2022 24.501 Rel-16 |  | |
|  |  | | C1-200758 | Supporting IPTV NAS impacts | | | Nokia, Nokia Shanghai Bell | CR 2023 24.501 Rel-16 | Withdrawn  LATE | |
|  |  | | C1-200759 | Supporting IPTV via wireline access | | | Nokia, Nokia Shanghai Bell | CR 0117 24.502 Rel-16 | Withdrawn  LATE | |
|  |  | | [C1-200761](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200761.zip) | SUPI and SUCI for legacy wireline access | | | Nokia, Nokia Shanghai Bell | CR 0118 24.502 Rel-16 | Ivo, Thursday, 14;49  Missing comma  Roozbeh, Thursday, 19:23  C1-200285 and C1-200761 are colliding  Ivo, Friday, 08:11  Does not understand the comment, as 285 and761 are CRs on different TSs  Roozbeh, Friday, 20:35  Withdraws his comment  Christian, Saturday, 16:55  support the CR but we have the following comments:   1. the CR indicates that the GCI or the GLI always takes the form of a NAI as defined in TS 23.003 but current version of this spec does not shows that. I see several CRs in CT4 attempting to do so, and therefore can you please add linkage to the necessary CT4 CRs?   We that change Huawei and HiSilicon would like to co-sign the CR  Lazaros, Wed, 13:58  Provides a rev, all comments are addressed | |
|  |  | | [C1-200779](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\update1\C1-200779.zip) | Correct reference | | | BlackBerry UK Ltd. | CR 6410 24.229 Rel-16 | Revision of C1-200425  Work item has changed to TEI16  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Ivo, Thursday, 17:10  the CR fixes errors created in Rel-15. The CR does not seem be related to 5WWC. The CR should have been submitted for 5GS\_Ph1-CT or 5GProtoc16, which are out of scope of the e-meeting, or for IMS TEI16.  John-Luc, Friday, 16:08  Agrees that this is not 5WWC, would go for IMS TEI16 | |
|  |  | | [C1-200784](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\update1\C1-200784.zip) | Removal of editor notes | | | BlackBery UK Ltd. Motorola Mobility, Lenovo | CR 0114 24.502 Rel-16 | Postponed  Revision of C1-20781  Ivo,  the NAI is to be used in 5GS so a subclause in 23.003 clause 28 would be needed.  Ivo, wed, 11:04  One more hint on SA3 requ  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Revision of C1-200297  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Revision of C1-200114  Ivo, Thursday, 14:22  a particular 23.003 subclause should be referenced  John-Luc, Friday, 16:03  Agrees with Ivo, will provide a revision | |
|  |  | | [C1-200837](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\update1\C1-200837.zip) | Enabling mobility with (emergency) sessions/connections between the (trusted) non-3GPP access network connected to the 5GCN and the E-UTRAN | | | BlackBerry UK Ltd. | CR 1910 24.501 Rel-16 | Revision of C1-200780  Roozbeh, Tue, 20:08  7 new comments, apply to 837  JLB, Tue, 21:08  Answering to Roozehs comments  Ivo, Tue, 22:27  - "**Non-3GPP access (network):** In this specification, the non-3GPP access (network) connects to the 5GC(N), unless otherwise qualified." - those are two separate definitions. Not sure why we need brackets in "5GC(N)".  - "N3AN (non-3GPP access network)" -> not sure why we need the brackets  - I see no need of NOTE 2 in 4.8.2.3.2  JLB, Tue, 22:53  Commenting to Ivo  Roozbeh, Wed, 00:01  What TS is using this abbreviation. 24.502 is using it but not 24.501.  I think this is extremely confusing to add and subtract (network) in your abbreviation to identify which one is 5G and which one is EPS. I would like to avoid it. I am sure that many would think the same if they simply read your CR so I still think you should remove the definition and the abbreviation and leave the wording as they used to be.  Roozbe, Wed, 00:13  cannot agree to it. I do not think we need any N3AN def or abbreviation and should be left out from this CR.  JLB, Wed, 00:14  To roozhbeh, this is not right understanding.  JLB; Wed, 00:26  Modifies some in the wording, a V3 will be on the server shortly  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Revision of C1-200426  John-Luc, Tuesday, 16:58  Indicating a new revision to address a concern from Roozbeh, did not find this on the lsit  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Ivo, Thursday, 14:32  - 4.8.2.3.2 2nd part - see no need of ordering of UE-requested PDU session establishment procedures when performing interworking of PDN connections in EPS to PDU sessions in N1 mode, as the UE can initiate several UE-requested PDU session establishment procedures in one UL NAS TRANSPORT request.  - 6.4.1.2 - no need to add  "connected to 5GC" to "non-3GPP access"  as then we would need to put it everywhere.  John-Luc, Friday, 16:15  Agrees with some comments, provides a way forward | |
|  |  | | C1-200862 | Removal of EN and additional abnormal case for cause #31 | | | Samsung/Anikethan | CR 1881 24.501 Rel-16 | Revision of C1-200328  Ani, Wed, 05:26  Providing this new rev, new approach  This requires confirmation from Osamah, Robert, Lin  Robert, Wed, 10:44  Generally ok, minor editorial  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Osamah, Thursday, 23:10  Does not agree with the proposal, leaves a security hole in the spec, at least a NOTE would be needed  Arni, Friday, 11:42  Long explanation for the CR  But I am also ok with your suggestion that we add a note saying that it can be implementation whether any additional actions need to be taken in cases of receiving non-integrity protected reject.  Would you be ok with that?  And my comments are the same for 200351 as well.  Osamah,  Replies to Arni,  If anything goes forward, then it has to be  may” or “should” and then follow that with implementation note/option to allow UE to abort and do that proprietary solution.  If the REGISTRATION REJECT message with 5GMM cause #31 was received without integrity protection, then the UE shall discard the message  Message needs to be integrity protected  Lin, Sunday, 10:09  Commenting,  IMHO, in our spec, we just need to specify that the UE will discard the NIP reject message with #31 and for all other required additional UE handling, it is up to per different UE vendor’s implementation. No need to have a NOTE to capture this as whenever something unspecified in the standard, the vendor could/will have some proprietary mechanism if they believe needed.  **All in all, we do support this CR.**  Some small comments as below and also apply to 24.301 CR:  1. “ 5GMM cause #31 when received by a UE that has not indicated support for CIoT optimizations or when received by a UE over non-3GPP access is considered an abnormal case and the behaviour of the UE is specified in subclause 5.5.1.2.7. ” better to be reworded as:  "5GMM cause #31 received by a UE that has not indicated support for CIoT 5GS optimizations or received by a UE over non-3GPP access is considered as an abnormal case and the behaviour of the UE is specified in subclause 5.5.1.2.7. "   1. "Clauses affected:" in the cover page is missing.   Osamah, Sunday, 17:19  Answering Lin  Does not agree on common understanding from Lin  Why NAS spec do not want to inform lower layer that the eLTE cell is fake? Again we did this for cause #11 from HPLMN but here we decided to ignore that attack and hope the attacker will go away by +240 sec. This looks like inconsistency in NAS spec  We are of the opinion of choosing either option a) or b) and specify it in NAS. I went for adding optional text to be more flexible  Ani, Monday, 12:22  Can live with a NOTE; provides some text, asking Osamah whether this is fine  Osamah, Monday, 15:08  The NOTE will not help, as it is ruled out by existing mandatory text  Nobody is answering my question. Why downgrade attack with cause #31 coming from fake cell needs to be handled different than other cause code (#11,#14, ..etc) that we know come from fake cell (being added to F-TAI and no real action related to cause code is effective) and we handle them in DoS section?!!!  Lin, Tuesday, 09:48  Does not really like the CR but can live with it .  Ani, Tuesday, 11:29  Explaining to Osamah why a NOTE is all we can achieve  Robert, Tuesday, 16:16  Supports the very first email from Osamah  …  I’m not convinced that it is a good idea to leave all additional UE actions (besides discarding the Reject message) up to UE implementation.  But in the past this topic was alway **driven by some operators, so maybe they have a view on this**? | |
|  |  | | [C1-200892](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200368.zip) | Addition of MT-EDT support indication | | | Ericsson, Qualcomm Incorporated, OPPO / Mikael | CR 3332 24.301 Rel-16 | Revision of C1-200368  Wid on the cover page needs to be  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Fei, Thursday, 10:18  Almost fine, some rewording requested  Mikael, Thursday, 11:01  Agrees with Fei, will fix it  Yanchao, Friday.10:59  Minor comment  Mikael, Friday, 10:55  Ok to yanchao  Lin, Sunday, 07:02  This is MT-EDT, not related to CIoT, rather SAES16 -> clarified that this means TEI16  cover page, RAN2 LS C1-200048 should be C1-200217.  Some parts of the new text very confusing  Mikael, Monday, 11:54  Can take the proosals form Lin on board, on work item, Mikael sees this as 5GCIoT, like in SA2  Amer, Monday, 00:15  this CR should be discussed under 5G\_CIoT and TEI16, since the corresponding stage 2 CR in [S2-1912322](ftp://ftp.3gpp.org/tsg_sa/WG2_Arch/TSGS2_136_Reno/Docs/S2-1912322.zip) is also agreed under 5G\_CIoT WI  Let | |
|  |  | | C1-200925 | PEI clean up | | | Ericsson / Ivo | CR 1875 24.501 Rel-16 | Revision of C1-200283  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Roozbeh, Thursday, 19:19  IMEISV on cover page to be aligned with 5.3.2  Ivo, Friday, 09:40  Does not undertand the comment, explains backgournd, any guidance?  Roozbeh, Saturday, 02:15  I was more referring to that 5G-RG does not contain either IMEI or IMEISV.  If you think the reader should know that IMEISV is derived from IMEI and removing the IMEISV from the above as an obvious thing, that is fine. But I have some concerns that is the case.  Ivo, Monday, 14:24  To Roozbeh, it is not clear which changes are required, asking for a concrete proposal  Ivo, Tuesday 09:51  Provides a rev in drats, asks whether there are any comments  Roozbeh, Tuesday, 16;28  Fine with the draft from Ivo  Christian, Tue, 21:40  The CR is necessary indeed to remove current inconsistencies in the specification and also align with stage 2 (TS 23.316).  The latest draft revision is fine and we, Huawei and HiSilicon would like to co-sign the CR.  Ivo, Wed, 08:07  Will take Huawei on board | |
|  |  | | C1-200926 | Introduction of GCI and GLI | | | Ericsson / Ivo | CR 1877 24.501 Rel-16 | Revision of C1-200285  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Roozbeh, Thursday, 19:23  C1-200285 and C1-200761 are colliding  Ivo, Friday, 08:11  Does not understand the comment, as 285 and761 are CRs on different TSs  Christian, Saturday, 16:55  Supports the CR, has two comments, with that would want to co-sign  Ivo, Monday, 08:51  Provides a rev in the drafts folder and asks whether this is sufficient  Lazaros, Monday, 10:26  There is a typo  Christian, Tue, 21:24  The revision of the CR on the Drafts folder (i.e., C1-20iala-was-C1-200285-v01.doc) is fine by me. | |
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|  | PARLOS | |  | Lena – Breakout | | |  |  | CT aspects of System enhancements for Provision of Access to Restricted Local Operator Services by Unauthenticated UEs | |
|  |  | | [C1-200322](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200322.zip) | Factoring in T3346 during access to RLOS | | | Samsung R&D Institute India | CR 3327 24.301 Rel-16 |  | |
|  |  | | [C1-200476](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200476.zip) | Support of restriction on access to RLOS | | | Nokia, Nokia Shanghai Bell /Jennifer | CR 3333 24.301 Rel-16 |  | |
|  |  | | [C1-200477](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200477.zip) | Support of restriction on access to RLOS | | | Nokia, Nokia Shanghai Bell /Jennifer | CR 0495 23.122 Rel-16 |  | |
|  |  | | [C1-200478](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200478.zip) | NAS configuration on access to RLOS | | | Nokia, Nokia Shanghai Bell /Jennifer | CR 0046 24.368 Rel-16 |  | |
|  |  | | [C1-200479](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200479.zip) | Authentication and security handling for RLOS | | | Nokia, Nokia Shanghai Bell /Jennifer | CR 3334 24.301 Rel-16 |  | |
|  |  | | [C1-200480](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200480.zip) | Manual network selection procedure for access to RLOS | | | Nokia, Nokia Shanghai Bell /Jennifer | CR 0496 23.122 Rel-16 |  | |
|  |  | | [C1-200748](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200748.zip) | Detach before RLOS and Emergency Attach | | | MediaTek / Marko | CR 3338 24.301 Rel-16 |  | |
|  |  | | C1-200763 | De-registration before initial registration for RLOS and Emergency | | | MediaTek / Marko | CR 2025 24.501 Rel-16 | Withdrawn | |
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|  | 5G\_eLCS (CT4) | |  | Peter – Main | | |  |  | CT aspects of Enhancement to the 5GC LoCation Services  Is TS 24.571 sufficiently stable to be sent to CT#87-e for approval | |
|  |  | | [C1-200568](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200568.zip) | Adding UE initiated LCS service operations | | | CATT/Scott | pCR 24.571 Rel-16 | Lena, Sunday, 23.41  Long list of comments, errors  Mikael, Wed, 07:47  use ”signalling” and not ”signaling” (both in body text and figures) to align within TS and to other TSs (e.g. 24.501).  Clause heading: Can we use a better more descriptive cause heading than “EventReport”? E.g. “UE initiated event reporting procedure”? | |
|  |  | | [C1-200569](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200569.zip) | LCS messages and coding | | | CATT/Scott | pCR 24.571 Rel-16 | Lena, Sunday, 23:44  text in subclause 5.3.2.1 is not aligned with TS 23.273 clause 6.3.1 NOTE 9 which describes a case where there is no positioning session in the AMF. It needs to be modified as follows: | |
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|  | V2XAPP | |  | Lena – Breakout | | |  |  | CT aspects of V2XAPP  Is TS 24.486 sufficiently stable to be sent to CT#87-e for information and/or approval | |
|  |  | | [C1-200519](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200519.zip) | Work plan for the CT1 part of V2XAPP | | | Huawei, HiSilicon /Christian | discussion Rel-16 |  | |
|  |  | | [C1-200522](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200522.zip) | Latest reference version of draft TS 24.486 | | | Huawei, HiSilicon /Christian | draft TS 24.486 Rel-16 |  | |
|  |  | | [C1-200528](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200528.zip) | Application level location tracking procedure | | | Huawei, HiSilicon /Christian | pCR 24.486 Rel-16 |  | |
|  |  | | [C1-200529](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200529.zip) | V2X message delivery procedure | | | Huawei, HiSilicon /Christian | pCR 24.486 Rel-16 |  | |
|  |  | | [C1-200530](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200530.zip) | V2X service discovery procedure | | | Huawei, HiSilicon /Christian | pCR 24.486 Rel-16 |  | |
|  |  | | [C1-200532](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200532.zip) | V2X sevice continuity procedure | | | Huawei, HiSilicon /Christian | pCR 24.486 Rel-16 |  | |
|  |  | | [C1-200533](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200533.zip) | General on provisioning of parameters | | | Huawei, HiSilicon /Christian | pCR 24.486 Rel-16 |  | |
|  |  | | C1-200534 | V2X USD provisioning | | | Huawei, HiSilicon /Christian | pCR 24.486 Rel-16 | Withdrawn | |
|  |  | | C1-200535 | PC5 parameters provisioning | | | Huawei, HiSilicon /Christian | pCR 24.486 Rel-16 | Withdrawn | |
|  |  | | [C1-200619](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200619.zip) | Structure and data semantics for application level location tracking procedure | | | Huawei, HiSilicon /Christian | pCR 24.486 Rel-16 |  | |
|  |  | | [C1-200621](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200621.zip) | Structure and data semantics for V2X message delivery procedure | | | Huawei, HiSilicon /Christian | pCR 24.486 Rel-16 |  | |
|  |  | | [C1-200622](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200622.zip) | Structure and data semantics for V2X service discovery procedure | | | Huawei, HiSilicon /Christian | pCR 24.486 Rel-16 |  | |
|  |  | | [C1-200623](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200623.zip) | Structure and data semantics for V2X UE registration procedure | | | Huawei, HiSilicon /Christian | pCR 24.486 Rel-16 |  | |
|  |  | | [C1-200624](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200624.zip) | Structure and data semantics for V2X UE de-registration procedure | | | Huawei, HiSilicon /Christian | pCR 24.486 Rel-16 |  | |
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|  | eV2XARC | |  | Lena – Breakout | | |  |  | CT aspects of eV2XARC  Is TS 24.587 sufficiently stable to be sent to CT#87-e for approval?  Is TS 24.588 sufficiently stable to be sent to CT#87-e for approval? | |
|  |  | | [C1-200292](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200292.zip) | UE policies for V2X communication over PC5 | | | Ericsson / Ivo | pCR 24.588 Rel-16 | CRs C1-200391, C1-200389, C1-200388, C1-200386 influence coding in CR C1-200292 | |
|  |  | | [C1-200293](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200293.zip) | Updates of configuration parameters for V2X communication over Uu | | | Ericsson / Ivo | pCR 24.587 Rel-16 |  | |
|  |  | | [C1-200294](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200294.zip) | V2X communication over Uu | | | Ericsson / Ivo | pCR 24.587 Rel-16 |  | |
|  |  | | [C1-200295](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200295.zip) | UE policies for V2X communication over Uu | | | Ericsson / Ivo | pCR 24.588 Rel-16 |  | |
|  |  | | C1-200321 | Precedence order between V2X configuration parameters | | | LG Electronics | pCR 24.587 Rel-16 | Withdrawn  Revision of C1-198404 | |
|  |  | | [C1-200324](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200324.zip) | Direct link establishment procedure update based on SA3 LS | | | OPPO / Rae | pCR 24.587 Rel-16 |  | |
|  |  | | [C1-200325](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200325.zip) | Remove the FFS on non-IP | | | OPPO / Rae | pCR 24.587 Rel-16 |  | |
|  |  | | [C1-200326](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200326.zip) | Decoding on V2X service ID and application ID | | | OPPO / Rae | pCR 24.587 Rel-16 |  | |
|  |  | | [C1-200327](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200327.zip) | Keep alive procedure | | | OPPO / Rae | pCR 24.587 Rel-16 |  | |
|  |  | | [C1-200349](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200349.zip) | Security establishment for PC5 unicast link | | | Qualcomm Incorporated / Lena | pCR 24.587 Rel-16 |  | |
|  |  | | [C1-200385](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200385.zip) | Adding abnormal case on the network side | | | Huawei, HiSilicon / Chen | pCR 24.587 Rel-16 |  | |
|  |  | | [C1-200386](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200386.zip) | Correction for the list of the V2X services authorized for PPPR over V2X PC5 in E-UTRA | | | Huawei, HiSilicon / Chen | pCR 24.587 Rel-16 | CRs C1-200391, C1-200389, C1-200388, C1-200386 influence coding in CR C1-200292 | |
|  |  | | [C1-200387](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200387.zip) | Correction for the list of V2X service identifier to PDU session parameters mapping rules over V2X Uu | | | Huawei, HiSilicon / Chen | pCR 24.587 Rel-16 |  | |
|  |  | | [C1-200388](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200388.zip) | Correction for the list of V2X service identifier to Tx profiles mapping rules over V2X PC5 | | | Huawei, HiSilicon / Chen | pCR 24.587 Rel-16 | CRs C1-200391, C1-200389, C1-200388, C1-200386 influence coding in CR C1-200292 | |
|  |  | | [C1-200389](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200389.zip) | Correction for the list of V2X service identifier to V2X E-UTRA frequency mapping rules over V2X PC5 | | | Huawei, HiSilicon / Chen | pCR 24.587 Rel-16 | CRs C1-200391, C1-200389, C1-200388, C1-200386 influence coding in CR C1-200292 | |
|  |  | | [C1-200390](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200390.zip) | Resolution of the editor's note on details about PC5 unicast link establishment procedure not accepted by the target UE | | | Huawei, HiSilicon / Chen | pCR 24.587 Rel-16 |  | |
|  |  | | [C1-200391](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200391.zip) | Resolution of the editor's note on validity timer | | | Huawei, HiSilicon / Chen | pCR 24.587 Rel-16 | C1-200391, C1-200389, C1-200388, C1-200386 influence coding in CR C1-200292 | |
|  |  | | [C1-200350](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200350.zip) | PC5 unicast link keep-alive procedure | | | Qualcomm Incorporated / Lena | pCR 24.587 Rel-16 |  | |
|  |  | | [C1-200437](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200437.zip) | PC5 unicast link release procedure | | | vivo | pCR 24.587 Rel-16 |  | |
|  |  | | [C1-200438](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200438.zip) | Encoding of direct link release messages and parameters | | | vivo | pCR 24.587 Rel-16 |  | |
|  |  | | [C1-200439](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200439.zip) | PC5 unicast link identifier update procedure | | | vivo | pCR 24.587 Rel-16 |  | |
|  |  | | [C1-200440](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200440.zip) | Updates to the link modification procedure | | | vivo | pCR 24.587 Rel-16 |  | |
|  |  | | [C1-200441](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200441.zip) | Encoding of direct link modification messages and parameters | | | vivo | pCR 24.587 Rel-16 |  | |
|  |  | | [C1-200520](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200520.zip) | Work plan for the CT1 part of eV2XARC | | | Huawei, HiSilicon /Christian | discussion Rel-16 |  | |
|  |  | | [C1-200521](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200521.zip) | Latest reference version of draft TS 24.587 | | | Huawei, HiSilicon /Christian | draft TS 24.587 Rel-16 |  | |
|  |  | | [C1-200525](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200525.zip) | Resolution of the editor's notes on precedence of V2X configuration parameters | | | Huawei, HiSilicon /Christian | pCR 24.587 Rel-16 |  | |
|  |  | | [C1-200536](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200536.zip) | Operations for broadcast mode and groupcast mode communication over PC5 | | | Huawei, HiSilicon /Christian | pCR 24.587 Rel-16 |  | |
|  |  | | [C1-200537](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200537.zip) | Data transmission over PC5 unicast link | | | Huawei, HiSilicon /Christian | pCR 24.587 Rel-16 |  | |
|  |  | | [C1-200538](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200538.zip) | Introduction of “PC5 Unicast Link Identifier Update Procedure” | | | InterDigital Communications | pCR 24.587 Rel-16 |  | |
|  |  | | [C1-200595](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200595.zip) | Triggering service request procedure for V2X communication over PC5 interface | | | LG Electronics / SangMin | CR 1968 24.501 Rel-16 |  | |
|  |  | | [C1-200596](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200596.zip) | Discussion on multiple V2X services during the direct link establishment procedure | | | LG Electronics / SangMin | discussion Rel-16 |  | |
|  |  | | [C1-200597](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200597.zip) | Multiple V2X service identifiers in DIRECT LINK ESTABLISHMENT REQUEST message | | | LG Electronics / SangMin | pCR 24.587 Rel-16 |  | |
|  |  | | [C1-200598](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200598.zip) | Association between V2X service id and PC5 QoS flow description | | | LG Electronics / SangMin | pCR 24.587 Rel-16 |  | |
|  |  | | [C1-200603](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200603.zip) | Latest reference version of draft TS 24.588 | | | LG Electronics / SangMin | draft TS 24.588 Rel-16 |  | |
|  |  | | [C1-200632](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200632.zip) | PC5 unicast link keep-alive procedure – additions to C1-200350 | | | Apple | pCR 24.587 Rel-16 |  | |
|  |  | | [C1-200652](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200652.zip) | Clean-up for TS 24.588 | | | LG Electronics / SangMin | pCR 24.588 Rel-16 |  | |
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|  | RACS (CT4 lead) | |  | Peter – Main | | |  |  | CT aspects of optimizations on UE radio capability signaling | |
|  |  | | [C1-200340](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200340.zip) | RACS CT work plan | | | Qualcomm Incorporated / Lena | discussion Rel-16 |  | |
|  |  | | [C1-200341](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200341.zip) | Proposed way forward on remaining CT1 items for RACS | | | Qualcomm Incorporated / Lena | discussion Rel-16 |  | |
|  |  | | [C1-200343](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200343.zip) | Finalizing provisioning of manufacturer-assigned UE radio capability IDs at the UE | | | Qualcomm Incorporated / Lena | CR 0045 24.368 Rel-16 |  | |
|  |  | | [C1-200344](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200344.zip) | Removal of Editor’s note on applicability of RACS to SNPNs | | | Qualcomm Incorporated / Lena | CR 1886 24.501 Rel-16 |  | |
|  |  | | [C1-200345](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200345.zip) | Finalizing the encoding of the UE radio capability ID | | | Qualcomm Incorporated / Lena | CR 1887 24.501 Rel-16 | Delete the same Editor’s note as C1-200723, plus contains more changes | |
|  |  | | [C1-200463](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200463.zip) | Clarification of the cause of start of T3550 | | | vivo | CR 1922 24.501 Rel-16 |  | |
|  |  | | [C1-200720](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200720.zip) | UE behaviour upon receipt of a UE radio capability ID deletion indication | | | Nokia, Nokia Shanghai Bell | CR 2002 24.501 Rel-16 |  | |
|  |  | | [C1-200722](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200722.zip) | UE behaviour upon receipt of a UE radio capability ID deletion indication | | | Nokia, Nokia Shanghai Bell | CR 3336 24.301 Rel-16 |  | |
|  |  | | [C1-200723](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200723.zip) | Format of the UE radio capability ID | | | Nokia, Nokia Shanghai Bell | CR 2003 24.501 Rel-16 | Merged into C1-200345 and its revisions  CR deletes an Editor’s note which is also deleted by C1-200345  Lena, Thursday, 09:03  Fin with the change but it is already covered in C1-200345, which covers more changes. I suggest merging C1-200723 into C1-200345.  Sung, Monday 14:55  Fine to merge this into 345 | |
|  |  | | [C1-200726](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200726.zip) | UE radio capability information storage not needed for RACS | | | Nokia, Nokia Shanghai Bell | CR 2006 24.501 Rel-16 | Lena, Thursday, 09:03  CR coversheet states that there is no need for the AMF to store the UE radio capabilities when the UE supports RACS, but this does not seem correct  Mikael, Thursday, 11:26  In the updated paragraphs the possibility of no stored UE Radio capabilities is covered by “any”/”if any”, and there is no need to add a RACS dependency.  **I think this CR is not needed**.  Yanchao, THursady, 12:17  Same as Lena  Sung, Monday, 17:10  I disagree with comments from Lena, Yanchao, and Mikael. If the RACS feature is enabled for a UE, the AMF does not manage UE radio capability information per UE. What is managed per UE is UE radio capability ID. The mapping is not managed per UE, but it is managed for all the UEs served by the AMF.  Now, even if a specific UE sets the NG-RAN-RCU bit to "NG-RAN radio capability update needed", if the RACS is enabled, the AMF does not delete the UE radio capability information for the UE because there is no UE-specific UE radio capability information and, even though the AMF has the UE radio capability information matching the UE radio capability ID for the UE (the AMF must be possessing it based on the stage 2 requirement), the AMF should not delete the UE radio capability information because it can be used for other UEs.  Mikael, Tuesdday, 09:46  Some clarification might be needed, but sees the changed paragraph as correct  Sung, Wed, 02:18  Answering to Mikael | |
|  |  | | [C1-200727](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200727.zip) | UE radio capability information storage not needed for RACS | | | Nokia, Nokia Shanghai Bell | CR 3337 24.301 Rel-16 | Lena, Thursday, 09:03  CR coversheet states that there is no need for the MME to store the UE radio capabilities when the UE supports RACS, but this does not seem correct  Mikael, Thursday, 11:26  In the updated paragraphs the possibility of no stored UE Radio capabilities is covered by “any”/”if any”, and there is no need to add a RACS dependency.  **I think this CR is not needed**.  Yanchao, THursady, 12:17  Same as Lena  Sung, Monday, 17:10  I disagree with comments from Lena, Yanchao, and Mikael. If the RACS feature is enabled for a UE, the AMF does not manage UE radio capability information per UE. What is managed per UE is UE radio capability ID. The mapping is not managed per UE, but it is managed for all the UEs served by the AMF.  Now, even if a specific UE sets the NG-RAN-RCU bit to "NG-RAN radio capability update needed", if the RACS is enabled, the AMF does not delete the UE radio capability information for the UE because there is no UE-specific UE radio capability information and, even though the AMF has the UE radio capability information matching the UE radio capability ID for the UE (the AMF must be possessing it based on the stage 2 requirement), the AMF should not delete the UE radio capability information because it can be used for other UEs.  Mikael, Tuesdday, 09:46  Some clarification might be needed, but sees the changed paragraph as correct  Sung, Wed, 02:18  Answering to Mikael | |
|  |  | | C1-200809 | RACS not applicable for non-3GPP access | | | Nokia, Nokia Shanghai Bell | CR 2005 24.501 Rel-16 | Revision of C1-200725  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Overlaps with C1-200402. Covers more required changes but missed the change to subclause 4.7.2 which is included in C1-200402.  Lena, Thursday, 09:03  fine with the CR except that changes in subclause 4.7.2 (as done in C1-200402) are missing.  Mikael, THursdy, 11:18  For the proposed changes, what is the justification to add “the procedure is for 3GPP access” for the RACS parameters? I cannot see that this has been done for other parameters applicable to 3GPP access only, so I think these additions are not needed.  Yanchao, Thursday, 12.17  As I mentioned in another email:  I think we should follow the same principle for capturing a specific feature not applicable for non-3GPP access, which is only capture that in general section, same as LADN, MICO, CIoT, UAC, DRX, service area restrictions and etc.  Therefore, all the detailed changes of “the procedure is for 3GPP access” in C1-200725 are not needed. We propose C1-200402 as way forward.  Lena, Friday, 05:25  As mentioned on the other thread about C1-200725, I can accept C1-200402 as the way forward if that is preferred by most companies.  Lena, Monday, 23:40  Fine with Sung’s way forward | |
|  |  | | C1-200829 | RACS not apply for non-3GPP access | | | vivo / Yanchao | CR 1902 24.501 Rel-16 | Revision of C1-200402  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Overlaps with C1-200725 which covers more changes.  Lena, Thursday, 09:02  overlaps with the changes on C1-200725, which covers more changes. preference for progressing C1-200725  Yanchao, Thursday, 12:01  For those features that only apply to 3GPP access, such as: LADN, MICO, CIoT, UAC, DRX, service area restrictions and etc., we only mention that in the general sub clause 4.7.2.1, and no conditions are added for detailed behaviors.If we add the corresponding conditions for every detailed behaviors, the specification  would be too complex and redundant.  I think we should follow the same principle  for RACS not applicable to non-3GPP access, and only capture “RACS does not apply to Non-3GPP access” in the general section.  Therefore, all the detailed changes of “the procedure is for 3GPP access” in C1-200725 are not needed. We propose C1-200402 as way forward.  Lena, Friday, 05:25  If the majority view is to only make the change in 4.7.2, I can live with that and accept C1-200402 as the way forward.  Yanchao, Saturday, 09:32  Hints at revsion  Sung, Are you ok to merge C1-200725 into the revision of C1-200402? Hope to hear your reply. T  Lena, Saturday, 17:53  The draft revision looks good to me except that 4.16 is missing from the clauses affected in the coversheet.  Yanchao, Monday, 07:49  Will fix cover sheet  Sung, Monday, 14:39  Fine with the paper, still wants to keep some parts of 725, this is provided in a revision  Lena, Monday, 23:40  Fine with Sung’s way forward | |
|  |  | | C1-2000841 | UE radio capability ID assignment via GUTI reallocation procedure | | | Qualcomm Incorporated / Lena | CR 3328 24.301 Rel-16 | Revision of C1-200342  Lena, Wed, 00:55  New rev, has the mods from Mikael  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Mikael, Thursday, 11:51  that the deletion indication in GUTI reallocation command seems to be handled in the UE as a parameter to store (5.4.1.3):  “in WB-S1 mode, if the UE supports RACS, store the UE radio capability ID or UE radio capability ID deletion indication, if provided”  Whereas my understanding is that it is an indication that triggers UE action (delete Network-assigned RACS IDs) and there will be o storing of this indication.  Further I think that for the two new IEs, only one of then shall be provided in the message. We normally do not use Conditional IEs (even if that might be an option), but I think it would be good to express in inclusion criteria, or in some other way.  Lena, Friday, 05:42  Agrees with Mikael, rev1 in the drafts folder  Mikael, Saturday, 10:23  Fine with rev from Lena | |
|  |  | | C1-2000842 | UE radio capability ID deletion upon Version ID change | | | Qualcomm Incorporated / Lena | CR 1888 24.501 Rel-16 | Revision of C1-200346  Sung, Wed, 0054  looks good  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Sung, Monday, 17:22  Wants to add Nokia, Nokia, Shanghai Bell as co-source  Lena, Tuesday, 06:18  Acks to Sung | |
|  |  | | C1-2000843 | UE radio capability ID deletion upon Version ID change | | | Qualcomm Incorporated / Lena | CR 3329 24.301 Rel-16 | Revision of C1-200347  Sung, Wed, 0054  looks good  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Sung, Monday, 17:22  Wants to add Nokia, Nokia, Shanghai Bell as co-source  Lena, Tuesday, 06:18  Acks to Sung | |
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|  | 5G\_SRVCC (CT4 lead) | |  | Peter – Main | | |  |  | CT aspects of single radio voice continuity from 5GS to 3G | |
|  |  | | C1-200811 | Use registration message to inform the network when the SRVCC information changes | | | BlackBerry UK Ltd. | CR 1911 24.501 Rel-16 | Withdrawn  John-Luc, Monday, 23.50  the proposed change was covered already by bullet g) in the 5.5.1.3.2”  Revision of C1-200427  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Ivo, Thursday, 15;48  - 5.5.1.2.2 - not needed, the 24.501 baseline text is correct  - 5.5.1.3.2 - not needed, 24.301 uses similar wording as in 24.501 baseline^  John-Luc, Friday, 00:43  CR aligns stage-3 with stage-2, seems that even 24.301 would need a CR  Lena, Satuday, 19:40   * We agree with Ivo that the change in 5.5.1.2.2 is not needed, as the existing text is aligned with the text used for other capabilities (“if the UE supports… “) * For the change in 5.5.1.3.2, we would prefer to add a separate registration trigger for a change in the indication of support for 5G-SRVCC from NG-RAN to UTRAN rather than modifying existing bullet v). Also, do you have a CR to TS 24.301 to add a similar TAU trigger?   Lin, Monday, 08:19  I would be better if you could share related stage 2 spec text for “Stage 2 defines that changing the service configuration on the UE can result in changing even the value of the 5GSRVCC capability bit.” in your reason for change.  I recalled that UE’s (v)SRVCC capability from L to G/U cannot be dynamically changed, so it would be better to know why now the capability from NR to U can be changed, Category should be F  Fei, Monday, 08:46  Agrees with Ivo, I agree that the service configuration can change the 5G-SRVCC bit, however it has been covered by the bullet g)  g) when the UE changes the 5GMM capability or the S1 UE network capability or both;  John-Luc, Monday, 17:53  Will revise the CR according to comments from lena  Ivo, Monday, 18:09  Concur with Fei, **the CR is not needed** | |
|  |  | | C1-200833 | PDU session release at the UE side | | | ZTE, China Unicom, Ericsson | CR 1918 24.501 Rel-16 | Revision of C1-200436  Fei , Wed, 03:53  To lin, all comments taken on board  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Lin, Monday, 08:38  do support to do something in stage 3 to implement stage 2 requirement.  However, wants to see a different approach  Fei, Monday, 11:47  Fine with the proposal from Lin | |
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|  | xBDT (CT3 lead) | |  | Peter – Main | | |  |  | CT aspects on 5GS Transfer of Policies for Background Data  100% | |
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|  | IAB-CT (CT4 lead) | |  | Peter – Main | | |  |  | CT aspects of support for integrated access and backhaul (IAB)  CT1 no longer affected by this work item | |
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|  | 5GS\_OTAF (CT4 lead) | |  | Peter – Main | | |  |  | 5GS Enhanced support of OTA mechanism for UICC configuration parameter update | |
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|  | 5G\_URLLC (CT4 lead) | |  | Peter – Main | | |  |  | CT aspects of CT Aspects of 5G URLLC | |
|  |  | | [C1-200685](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200685.zip) | Setting the Always-on PDU session indication IE in the PDU SESSION ESTABLISHMENT ACCEPT message | | | Nokia, Nokia Shanghai Bell | CR 1987 24.501 Rel-16 | CRs in C1-200685, C1-200290, C1-200564 conflict  Ivo, Thursday, 15:51  C1-200685 contains similar changes as C1-200290. However, C1-200290 address an additional occurence. Would it be possible to **merge C1-200685 into C1-200290?**  Sung, Monday, 21:07  Some comments on Ivo, also indicating a rev of 685 in drats  Ban, Tuesday, 11:14  Wants to get rid of e.g.  Ivo, Tuesday, 12:08  Example seems right thing | |
|  |  | | C1-200931 | Always-On PDU session and URLLC | | | Ericsson / Ivo | CR 1878 24.501 Rel-16 | Revision of C1-200290  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  CRs in **C1-200685**, C1-200290, C1-200564 conflict  Sung, Saturday, 04:31  **Subclause 6.3.2.2**  Currently incorrect change  **Subclause 6.4.1.3**  **Prefers C1-200685**  if you still want to make some changes on subclause 6.3.2.2, please revise your CR. But as long as subclause 6.4.1.3 is concerned, C1-200685 is a better choice in our view.  Lin, Monday, 08:51  I agree with what Sung commented, cases are different between modification and establishment. So better C1-200290 can be merged into C1-200685.  So I would prefer Sung’s CR C1-200685 and I have no comment on Sung’s CR.  Ivo, Monday, 17:41  Long explanation, If we can agree on changes in **Subclause 6.4.1.3**, I will remove **Subclause 6.4.1.3** from scope of C1-200290, merge this part into C1-200685, and focus C1-200290 solely on **Subclause 6.3.2.2.**  Sung, Monday, 21:07  Some comments on Ivo, also indicating a rev of 685 in drats  Ivo, Tuesday, 12:08  Updates the rev, OK? | |
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|  | SEAL | |  | Lena – Breakout | | |  |  | CT aspects of Service Enabler Architecture Layer for Verticals  Is TS 24.544 sufficiently stable to be sent to CT#87-e for approval?  Is TS 24.545 sufficiently stable to be sent to CT#87-e for information and/or approval?  Is TS 24.546 sufficiently stable to be sent to CT#87-e for approval?  Is TS 24.547 sufficiently stable to be sent to CT#87-e for approval?  Is TS 24.548 sufficiently stable to be sent to CT#87-e for information and/or approval? | |
|  |  | | [C1-200449](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200449.zip) | Obtain list of users based on location | | | Samsung / Sapan | pCR 24.545 Rel-16 |  | |
|  |  | | [C1-200450](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200450.zip) | Annex to describes the functionality expected from the HTTP entities | | | Samsung, Intel / Sapan | pCR 24.547 Rel-16 |  | |
|  |  | | [C1-200523](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200523.zip) | Latest reference version of draft TS 24.545 | | | Huawei, HiSilicon /Christian | draft TS 24.545 Rel-16 |  | |
|  |  | | [C1-200524](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200524.zip) | Latest reference version of draft TS 24.548 | | | Huawei, HiSilicon /Christian | draft TS 24.548 Rel-16 |  | |
|  |  | | [C1-200526](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200526.zip) | Off-network procedures for SEAL location management | | | Huawei, HiSilicon /Christian | pCR 24.545 Rel-16 |  | |
|  |  | | [C1-200527](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200527.zip) | Off-network procedures for SEAL network resource management | | | Huawei, HiSilicon /Christian | pCR 24.548 Rel-16 |  | |
|  |  | | [C1-200552](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200552.zip) | Fetching location reporting configuration | | | Huawei, HiSilicon / Chen | pCR 24.545 Rel-16 | Merged into C1-20774 | |
|  |  | | [C1-200553](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200553.zip) | Structure and data semantics for fetching location reporting configuration | | | Huawei, HiSilicon / Chen | pCR 24.545 Rel-16 | Merged into C1-20774 | |
|  |  | | [C1-200554](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200554.zip) | On-demand location reporting procedure | | | Huawei, HiSilicon / Chen | pCR 24.545 Rel-16 |  | |
|  |  | | [C1-200555](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200555.zip) | Structure and data semantics for on-demand location reporting procedure | | | Huawei, HiSilicon / Chen | pCR 24.545 Rel-16 |  | |
|  |  | | [C1-200556](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200556.zip) | Location reporting event-triggered configuration cancel procedure | | | Huawei, HiSilicon / Chen | pCR 24.545 Rel-16 |  | |
|  |  | | [C1-200557](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200557.zip) | Location information subscription procedure | | | Huawei, HiSilicon / Chen | pCR 24.545 Rel-16 |  | |
|  |  | | [C1-200558](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200558.zip) | Structure and data semantics for location information subscription procedure | | | Huawei, HiSilicon / Chen | pCR 24.545 Rel-16 |  | |
|  |  | | [C1-200559](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200559.zip) | Event-triggered location information notification procedure | | | Huawei, HiSilicon / Chen | pCR 24.545 Rel-16 |  | |
|  |  | | [C1-200560](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200560.zip) | Structure and data semantics for Event-triggered location information notification procedure | | | Huawei, HiSilicon / Chen | pCR 24.545 Rel-16 |  | |
|  |  | | [C1-200561](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200561.zip) | On-demand usage of location information procedure | | | Huawei, HiSilicon / Chen | pCR 24.545 Rel-16 |  | |
|  |  | | [C1-200562](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200562.zip) | MBMS bearer announcement over MBMS bearer procedure | | | Huawei, HiSilicon / Chen | pCR 24.548 Rel-16 |  | |
|  |  | | [C1-200563](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200563.zip) | MBMS bearer quality detection procedure | | | Huawei, HiSilicon / Chen | pCR 24.548 Rel-16 |  | |
|  |  | | [C1-200607](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200607.zip) | Latest draft version of TS 24.547 ver 1.0.0 | | | Intel / Vivek | pCR 24.547 Rel-16 |  | |
|  |  | | [C1-200609](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200609.zip) | Updates to Client User Authentication Procedure | | | Intel / Vivek | pCR 24.547 Rel-16 |  | |
|  |  | | [C1-200611](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200611.zip) | Updates to Server User Authentication Procedure | | | Intel / Vivek | pCR 24.547 Rel-16 |  | |
|  |  | | [C1-200612](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200612.zip) | Updates to Client Token Exchange Procedure | | | Intel / Vivek | pCR 24.547 Rel-16 |  | |
|  |  | | [C1-200613](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200613.zip) | Updates to Server Token Exchange Procedure | | | Intel / Vivek | pCR 24.547 Rel-16 |  | |
|  |  | | [C1-200614](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200614.zip) | Off Network Procedures for Identity Management | | | Intel / Vivek | pCR 24.547 Rel-16 |  | |
|  |  | | [C1-200615](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200615.zip) | Resolution of editor's note under clause 6.2.2.2.1 | | | Huawei, HiSilicon /Christian | pCR 24.548 Rel-16 |  | |
|  |  | | [C1-200616](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200616.zip) | Resolution of editor's note under 6.2.2.2.3 | | | Huawei, HiSilicon /Christian | pCR 24.548 Rel-16 |  | |
|  |  | | [C1-200617](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200617.zip) | General on unicast resource management | | | Huawei, HiSilicon /Christian | pCR 24.548 Rel-16 |  | |
|  |  | | [C1-200633](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200633.zip) | Adding access token in proper header of HTTP request from client | | | Samsung / Sapan | pCR 24.544 Rel-16 |  | |
|  |  | | [C1-200634](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200634.zip) | XML schema for SEAL group document and update coding | | | Samsung / Sapan | pCR 24.544 Rel-16 |  | |
|  |  | | [C1-200635](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200635.zip) | Updating client side procedures based on XML schema | | | Samsung / Sapan | pCR 24.544 Rel-16 |  | |
|  |  | | [C1-200636](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200636.zip) | Location based group creation procedure | | | Samsung / Sapan | pCR 24.544 Rel-16 | See also: C1-200449 | |
|  |  | | [C1-200637](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200637.zip) | Parameters for group event subscription and notification | | | Samsung / Sapan | pCR 24.544 Rel-16 |  | |
|  |  | | [C1-200638](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200638.zip) | Procedures for management of group events subscription | | | Samsung / Sapan | pCR 24.544 Rel-16 | Related to C1-200637 | |
|  |  | | [C1-200639](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200639.zip) | Procedures to notify group events | | | Samsung / Sapan | pCR 24.544 Rel-16 | Related to C1-200637 | |
|  |  | | [C1-200640](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200640.zip) | Removal of clause for security parameter | | | Samsung / Sapan | pCR 24.544 Rel-16 |  | |
|  |  | | [C1-200641](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200641.zip) | Group announcement and join procedure | | | Samsung / Sapan | pCR 24.544 Rel-16 |  | |
|  |  | | [C1-200642](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200642.zip) | Group member leave procedure | | | Samsung / Sapan | pCR 24.544 Rel-16 |  | |
|  |  | | [C1-200643](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200643.zip) | Removal of editor’s note for off-network | | | Samsung / Sapan | pCR 24.544 Rel-16 |  | |
|  |  | | [C1-200644](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200644.zip) | Update references | | | Samsung / Sapan | pCR 24.544 Rel-16 |  | |
|  |  | | [C1-200645](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200645.zip) | XML schema for VAL user profile document and update of coding | | | Samsung / Sapan | pCR 24.546 Rel-16 |  | |
|  |  | | [C1-200646](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200646.zip) | XML schema and coding for VAL UE configuration document | | | Samsung / Sapan | pCR 24.546 Rel-16 |  | |
|  |  | | [C1-200647](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200647.zip) | Management of configuration event subscription | | | Samsung / Sapan | pCR 24.546 Rel-16 | Related to C1-200649 | |
|  |  | | [C1-200648](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200648.zip) | Procedure to notify configuration management event | | | Samsung / Sapan | pCR 24.546 Rel-16 | Related to C1-200649 | |
|  |  | | [C1-200649](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200649.zip) | Parameters for configuration event subscription and notification | | | Samsung / Sapan | pCR 24.546 Rel-16 |  | |
|  |  | | [C1-200650](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200650.zip) | Corrections in procedures | | | Samsung / Sapan | pCR 24.546 Rel-16 |  | |
|  |  | | [C1-200651](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200651.zip) | Removal of editor’s note for off-network | | | Samsung / Sapan | pCR 24.546 Rel-16 |  | |
|  |  | | [C1-200660](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200660.zip) | Latest draft version of TS 24.544 ver 1.0.0 | | | Samsung / Sapan | pCR 24.544 Rel-16 |  | |
|  |  | | [C1-200662](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200662.zip) | Latest draft version of TS 24.546 ver 1.0.0 | | | Samsung / Sapan | pCR 24.546 Rel-16 |  | |
|  |  | | [C1-200676](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200676.zip) | Workplan for SEAL | | | Samsung / Sapan | Work Plan |  | |
|  |  | | C1-200774 | Update to Event-triggered location reporting procedure | | | Huawei, HiSilicon /Christian | pCR 24.545 Rel-16 | Revision of C1-200608 | |
|  |  | | C1-200775 | Update to structure and data semantics for event-triggered location reporting procedure | | | Huawei, HiSilicon /Christian | pCR 24.545 Rel-16 | Revision of C1-200610 | |
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|  | Other Rel-16 non-IMS issues | |  | Peter – Main | | |  |  | Other Rel-16 non-IMS topics  **Only revision of agreed CRs from the ad-hoc meeting and DISC paper supporting LS** | |
|  |  | | C1ah-200024 | Correction for misalignment of 23.041 with 23.007 and 23.527 | | | Ericsson, one2many / Ivo | CR 0204 23.041 Rel-16 | Agreed | |
|  |  | | C1ah-200064 | Correction on T3402 for deactivated value | | | Huawei, HiSilicon/Lin | CR 3321 24.301 Rel-16 | Agreed | |
|  |  | | C1ah-200186 | Correcting reference | | | BlackBerry UK Ltd. | CR 0128 24.007 Rel-16 | Agreed  Revision of C1ah-200136  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Revision of C1ah-200134  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Revision of C1ah-200010 | |
|  |  | | C1ah-200207 | Correcting active flag and signalling active flag wording | | | BlackBerry UK Ltd. | CR 3314 24.301 Rel-16 | Agreed  Revision of C1ah-200193  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Revision of C1ah-200185  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Revision of C1ah-200128  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Revision of C1ah-200015 | |
|  |  | | C1ah-200209 | Correct UE behavior when maximum number of active EPS bearer contexts is reached and the upper layers request more DRBs | | | BlackBerry UK Limited | CR 3317 24.301 Rel-16 | Agreed  Revision of C1ah-200184  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Revision of C1ah-200125  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Revision of C1ah-200052 | |
|  |  | | [C1-200308](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200308.zip) | Removal of Duplicate Service Operation Details | | | Cisco Systems Belgium | CR 0207 23.041 Rel-16 | Postponed  New CR under TEI16, out of scope for this meeting | |
|  |  | | [C1-200606](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200606.zip) | Considerations for AML over SMS in roaming scenarios | | | Apple | discussion Rel-16 | Postponed  New input DISC on TEI16, out of scope of this meeting | |
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|  | WIs for IMS | |  | Joergen – Breakout | | |  |  |  | |
|  | MCCI\_CT | |  |  | | |  |  | Mission Critical Communication Interworking with Land Mobile Radio Systems  Is TS 29.582 sufficiently stable to be sent to CT#87-e for approval? | |
|  |  | | [C1-200366](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200366.zip) | Non-3GPP Message for Data interworking | | | Sepura, Hytera Communications Corp. | pCR 29.582 Rel-16 |  | |
|  |  | | [C1-200367](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200367.zip) | SDS media plane message handling by IWF | | | Sepura, Hytera Communications Corp. | pCR 29.582 Rel-16 |  | |
|  |  | | [C1-200369](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200369.zip) | Remove editor's note – clause 4.1 | | | FirstNet / Mike | pCR 29.582 Rel-16 |  | |
|  |  | | [C1-200370](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200370.zip) | Remove editor's note – clause 4.2.2 | | | FirstNet / Mike | pCR 29.582 Rel-16 |  | |
|  |  | | [C1-200371](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200371.zip) | Remove editor's note – clause 6.3.2.1 | | | FirstNet / Mike | pCR 29.582 Rel-16 |  | |
|  |  | | [C1-200372](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200372.zip) | Remove editor's note – clause 6.6.2 | | | FirstNet / Mike | pCR 29.582 Rel-16 |  | |
|  |  | | [C1-200373](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200373.zip) | Remove editor's note – clause 8.3.2.8 | | | FirstNet / Mike | pCR 29.582 Rel-16 |  | |
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|  | MCProtoc16 | |  | Joergen – Breakout | | |  |  | Protocol enhancements for Mission Critical Services for Rel-16 | |
|  |  | | [C1-200357](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200357.zip) | Correcting SIP related terminology | | | Ericsson / Nevenka | CR 0543 24.379 Rel-16 |  | |
|  |  | | [C1-200358](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200358.zip) | Correcting SIP related terminology | | | Ericsson / Nevenka | CR 0089 24.281 Rel-16 |  | |
|  |  | | [C1-200359](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200359.zip) | Correcting SIP related terminology | | | Ericsson / Nevenka | CR 0099 24.282 Rel-16 |  | |
|  |  | | [C1-200709](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200709.zip) | FEC encoding by the BM-SC | | | ENENSYS | CR 0068 24.581 Rel-16 |  | |
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|  | MuD | |  | Joergen – Breakout | | |  |  | Multi-device and multi-identity  Is TS 24.174 sufficiently stable to be sent to CT#87-e for approval?  Is Ts 24.175 management object sufficiently stable to be sent to CT#87-e for approval? | |
|  |  | | [C1-200360](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200360.zip) | Update of OMA references | | | Ericsson / Nevenka | pCR 24.174 Rel-16 |  | |
|  |  | | [C1-200361](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200361.zip) | Adding interactions with "Multi-Device" and "Multi-Identity" services | | | Ericsson / Nevenka | CR 0188 24.604 Rel-16 |  | |
|  |  | | [C1-200362](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200362.zip) | Adding interactions with "Multi-Device" and "Multi-Identity" services | | | Ericsson / Nevenka | CR 0028 24.605 Rel-16 |  | |
|  |  | | [C1-200363](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200363.zip) | Adding interactions with "Multi-Device" and "Multi-Identity" services | | | Ericsson / Nevenka | CR 0075 24.615 Rel-16 |  | |
|  |  | | [C1-200364](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200364.zip) | Adding interactions with "Multi-Device" and "Multi-Identity" services | | | Ericsson / Nevenka | CR 0039 24.629 Rel-16 |  | |
|  |  | | [C1-200653](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200653.zip) | Clarifications of identity definitions and activation procedures | | | Ericsson /Jörgen | pCR 24.174 Rel-16 |  | |
|  |  | | [C1-200654](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200654.zip) | Call log handling, Additional-Identity | | | Ericsson /Jörgen | pCR 24.174 Rel-16 |  | |
|  |  | | [C1-200656](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200656.zip) | Conf indication completion | | | Ericsson /Jörgen | pCR 24.174 Rel-16 |  | |
|  |  | | [C1-200657](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200657.zip) | Management object correction, MuD | | | Ericsson /Jörgen | pCR 24.175 Rel-16 |  | |
|  |  | | [C1-200664](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200664.zip) | MO for MuD and MiD correction | | | Orange / Mariusz | pCR 24.175 Rel-16 |  | |
|  |  | | [C1-200665](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200665.zip) | MuD MiD and CAT interactions | | | Orange / Mariusz | pCR 24.174 Rel-16 |  | |
|  |  | | [C1-200667](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200667.zip) | MuD MiD and CRS interactions | | | Orange / Mariusz | pCR 24.174 Rel-16 |  | |
|  |  | | [C1-200668](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200668.zip) | CAT interactsions with MuD and MiD | | | Orange / Mariusz | CR 0118 24.182 Rel-16 |  | |
|  |  | | [C1-200670](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200670.zip) | CRS interactsions with MuD and MiD | | | Orange / Mariusz | CR 0061 24.183 Rel-16 |  | |
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|  | IMSProtoc16 | |  | Joergen – Breakout | | |  |  | IMS Stage-3 IETF Protocol Alignment for Rel-16 | |
|  |  | | [C1-200625](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200625.zip) | Location information; mid-call access change | | | Ericsson, Deutsche Telekom /Jörgen | CR 6411 24.229 Rel-16 |  | |
|  |  | | [C1-200659](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200659.zip) | Correction of P-Associated-URI handling | | | Ericsson /Jörgen | CR 6412 24.229 Rel-16 |  | |
|  |  | | [C1-200684](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200684.zip) | UAC for MO-IMS registration related signalling EN resolution | | | NTT DOCOMO INC. | CR 6413 24.229 Rel-16 |  | |
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|  | MCSMI\_CT | |  | Joergen – Breakout | | |  |  | Mission Critical system migration and interconnection | |
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|  | eMCData2 | |  | Joergen – Breakout | | |  |  | CT aspects of Enhancements to Functional architecture and information flows for Mission Critical Data | |
|  |  | | [C1-200447](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200447.zip) | Key download procedrue for MCData | | | Samsung / Sapan | CR 0102 24.282 Rel-16 |  | |
|  |  | | [C1-200475](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200475.zip) | Delete Stored Object(s) in MCData message store | | | AT&T, Samsung | CR 0106 24.282 Rel-16 |  | |
|  |  | | [C1-200531](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200531.zip) | Add Message Store Client subclause | | | AT&T, Samsung | CR 0107 24.282 Rel-16 |  | |
|  |  | | [C1-200539](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200539.zip) | Copy stored object(s) and-or folder(s) | | | AT&T, Samsung | CR 0108 24.282 Rel-16 |  | |
|  |  | | [C1-200540](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200540.zip) | Creating new folder | | | AT&T, Samsung | CR 0109 24.282 Rel-16 |  | |
|  |  | | [C1-200541](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200541.zip) | Delete folder | | | AT&T, Samsung | CR 0110 24.282 Rel-16 |  | |
|  |  | | [C1-200542](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200542.zip) | Move object(s) and folder(s) | | | AT&T, Samsung | CR 0111 24.282 Rel-16 |  | |
|  |  | | [C1-200543](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200543.zip) | Search for Folders in MCData message store | | | AT&T, Samsung | CR 0112 24.282 Rel-16 |  | |
|  |  | | [C1-200544](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200544.zip) | Retrieval of stored object | | | AT&T, Samsung | CR 0103 24.282 Rel-16 | Revision of C1-200448 | |
|  |  | | [C1-200548](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200548.zip) | Search for Objects in MCData message store | | | AT&T, Samsung | CR 0104 24.282 Rel-16 | Revision of C1-200473 | |
|  |  | | [C1-200550](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200550.zip) | Update Object(s) in MCData message store | | | AT&T, Samsung | CR 0105 24.282 Rel-16 | Revision of C1-200474 | |
|  |  | | [C1-200705](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200705.zip) | Move the stored object to destination folder | | | Samsung Electronics Co., Ltd | CR 0113 24.282 Rel-16 |  | |
|  |  | | [C1-200711](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200711.zip) | Upload the objects to the MCData message store | | | Samsung, AT&T | CR 0114 24.282 Rel-16 |  | |
|  |  | | [C1-200712](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200712.zip) | Included absolute URI associated with the media storage function of MCData content server | | | Samsung | CR 0066 24.483 Rel-16 |  | |
|  |  | | [C1-200713](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200713.zip) | Included absolute URI associated with the media storage function of MCData content server | | | Samsung | CR 0135 24.484 Rel-16 |  | |
|  |  | | [C1-200714](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200714.zip) | Accessing the absolute URI associated with the media storage function | | | Samsung | CR 0115 24.282 Rel-16 |  | |
|  |  | | [C1-200715](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200715.zip) | Corrections to TDC2 and TDC3 timer handling | | | Samsung | CR 0116 24.282 Rel-16 |  | |
|  |  | | [C1-200716](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200716.zip) | The pre-establshed session modification for MCData | | | Samsung | CR 0117 24.282 Rel-16 |  | |
|  |  | | C1-200766 | File distribution over MBMS - signalling control | | | ENENSYS | CR 0093 24.282 Rel-16 | Postponed  Document was LATE  Revision of C1-198542 | |
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|  | E2E\_DELAY (CT4) | |  | Joergen – Breakout | | |  |  | CT Aspects of Media Handling for RAN Delay Budget Reporting in MTSI  100% | |
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|  | VBCLTE (CT3 lead) | |  | Joergen – Breakout | | |  |  | Volume Based Charging Aspects for VoLTE CT | |
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|  | ISAT-MO-WITHDRAW | |  | Joergen – Breakout | | |  |  | Withdrawal of TS 24.323 from Rel-11, Rel-12, Rel-13  No CRs needed, listed for the sake of completeness  100% | |
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|  | MONASTERY2 | |  | Joergen – Breakout | | |  |  | Mobile Communication System for Railways Phase 2 | |
|  |  | | [C1-200408](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200408.zip) | Automatic group affiliation and deaffiliation based on location or functional alias | | | Kontron Transportation, Nokia, Nokia Shanghai Bell | CR 0132 24.484 Rel-16 | Revision of C1-198846 | |
|  |  | | [C1-200409](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200409.zip) | Automatic group affiliation and deaffiliation based on location or functional alias | | | Kontron Transportation, Nokia, Nokia Shanghai Bell | CR 0064 24.483 Rel-16 | Revision of C1-198847 | |
|  |  | | [C1-200410](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200410.zip) | Automatic group affiliation and deaffiliation based on location or functional alias | | | Kontron TransportationS, Nokia, Nokia Shanghai Bell | CR 0541 24.379 Rel-16 | Revision of C1-198803 | |
|  |  | | [C1-200412](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200412.zip) | IP Connectivity | | | Kontron Transportation | CR 0101 24.282 Rel-16 |  | |
|  |  | | [C1-200749](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200749.zip) | Work plan for the CT1 part of MONASTERY2 | | | Nokia, Nokia Shanghai Bell | discussion Rel-16 |  | |
|  |  | | [C1-200750](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200750.zip) | Analysis of options for FA resolution | | | Nokia, Nokia Shanghai Bell | discussion Rel-16 |  | |
|  |  | | [C1-200751](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200751.zip) | Support of functional alias in first-to-answer calls | | | Nokia, Nokia Shanghai Bell | CR 0551 24.379 Rel-16 |  | |
|  |  | | C1-200752 | Update service configuration to support limiting the number of authorized clients per MCPTT user | | | Nokia, Nokia Shanghai Bell | CR 0136 24.484 Rel-16 | Postponed  Document was LATE | |
|  |  | | [C1-200753](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200753.zip) | Update service authorization procedures to support limiting the number of authorized clients per MCPTT user | | | Nokia, Nokia Shanghai Bell | CR 0552 24.379 Rel-16 |  | |
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|  | eIMS5G\_SBA | |  | Joergen – Breakout | | |  |  | CT aspects of SBA interactions between IMS and 5GC | |
|  |  | | [C1-200353](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200353.zip) | No impact from SBA on main body | | | Nokia, Nokia Shanghai Bell, Ericsson | CR 6408 24.229 Rel-16 |  | |
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|  | enh2MCPTT-CT | |  | Joergen – Breakout | | |  |  | Enhancements for Mission Critical Push-to-Talk CT aspects | |
|  |  | | [C1-200374](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200374.zip) | Affiliation in a regroup | | | FirstNet / Mike | CR 0544 24.379 Rel-16 |  | |
|  |  | | [C1-200375](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200375.zip) | Ambiguity of location information in 6.3.2.1.4 | | | FirstNet / Mike | CR 0545 24.379 Rel-16 |  | |
|  |  | | [C1-200376](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200376.zip) | Calling party location | | | FirstNet / Mike | CR 0546 24.379 Rel-16 |  | |
|  |  | | [C1-200377](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200377.zip) | Check for controlling function identity in 10.1.1.3.1.1 | | | FirstNet / Mike | CR 0547 24.379 Rel-16 |  | |
|  |  | | [C1-200378](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200378.zip) | Check for groups that are already regrouped | | | FirstNet / Mike | CR 0548 24.379 Rel-16 |  | |
|  |  | | [C1-200379](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200379.zip) | Correct clause reference in 11.1.1.3.1.2 | | | FirstNet / Mike | CR 0549 24.379 Rel-16 |  | |
|  |  | | [C1-200380](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200380.zip) | Missing client procedures for preconfigured regroup | | | FirstNet / Mike | CR 0550 24.379 Rel-16 |  | |
|  |  | | [C1-200381](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200381.zip) | Correct reference in 8.3.2.6 | | | FirstNet / Mike | CR 0100 24.282 Rel-16 |  | |
|  |  | | [C1-200382](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200382.zip) | Update on Plugtest Reported Issues | | | FirstNet / Mike | discussion Rel-16 |  | |
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|  | eIMSVideo | |  | Joergen – Breakout | | |  |  | Video enhancement of IMS CAT/CRS/announcement services | |
|  |  | | [C1-200481](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200481.zip) | Work plan for eIMSVideo | | | Huawei,China Telecom,China Unicom,HiSilicon /Hongxia | discussion Rel-16 |  | |
|  |  | | C1-200487 | Work plan for eIMSVideo | | | Huawei,China Telecom,China Unicom,HiSilicon /Hongxia | discussion Rel-16 | Withdrawn | |
|  |  | | [C1-200482](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200482.zip) | Use precondition only for CAT when network disables precondition | | | Huawei,China Telecom,China Unicom,HiSilicon /Hongxia | CR 0114 24.182 Rel-16 |  | |
|  |  | | [C1-200483](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200483.zip) | Use precondition for CAT when originating UE and network both support precondtion | | | Huawei,China Telecom,China Unicom,HiSilicon /Hongxia | CR 0115 24.182 Rel-16 |  | |
|  |  | | [C1-200484](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200484.zip) | Use precondition for CRS when network disables precondition | | | Huawei,China Telecom,China Unicom,HiSilicon /Hongxia | CR 0057 24.183 Rel-16 |  | |
|  |  | | [C1-200485](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200485.zip) | Use precondition for CRS when terminating UE supports or requires precondition | | | Huawei,China Telecom,China Unicom,HiSilicon /Hongxia | CR 0058 24.183 Rel-16 |  | |
|  |  | | [C1-200486](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200486.zip) | Providing video announcement at the same time with audio conversation | | | Huawei,China Telecom,China Unicom,HiSilicon /Hongxia | CR 0072 24.628 Rel-16 |  | |
|  |  | | C1-200488 | Use precondition only for CAT when network disables precondition | | | Huawei,China Telecom,China Unicom,HiSilicon /Hongxia | CR 0116 24.182 Rel-16 | Withdrawn | |
|  |  | | C1-200489 | Use precondition for CAT when originating UE and network both support precondtion | | | Huawei,China Telecom,China Unicom,HiSilicon /Hongxia | CR 0117 24.182 Rel-16 | Withdrawn | |
|  |  | | C1-200490 | Use precondition for CRS when network disables precondition | | | Huawei,China Telecom,China Unicom,HiSilicon /Hongxia | CR 0059 24.183 Rel-16 | Withdrawn | |
|  |  | | C1-200491 | Use precondition for CRS when terminating UE supports or requires precondition | | | Huawei,China Telecom,China Unicom,HiSilicon /Hongxia | CR 0060 24.183 Rel-16 | Withdrawn | |
|  |  | | C1-200492 | Providing video announcement at the same time with audio conversation | | | Huawei,China Telecom,China Unicom,HiSilicon /Hongxia | CR 0073 24.628 Rel-16 | Withdrawn | |
|  |  | | [C1-200546](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200546.zip) | Condition of providing video announcement | | | China Telecom,Huawei, China Unicom, HiSilicon | CR 0074 24.628 Rel-16 |  | |
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|  | Other Rel-16 IMS & MC issues | |  | Joergen – Breakout | | |  |  | Other Rel-16 IMS topics | |
|  |  | | [C1-200365](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200365.zip) | SDP profile update to support FLUS | | | Ericsson / Nevenka | CR 6409 24.229 Rel-16 |  | |
|  |  | | [C1-200673](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200673.zip) | Discussion on SRVCC from E-UTRAN to GERAN/UTRAN when IMS voice call is initiated in 5GS | | | Ericsson / Ivo | discussion Rel-16 |  | |
|  |  | | [C1-200674](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200674.zip) | SRVCC from E-UTRAN to GERAN/UTRAN when IMS voice call is initiated in 5GS | | | Ericsson / Ivo | CR 1298 24.237 Rel-16 |  | |
|  |  | | [C1-200772](http://www.3gpp.org/ftp/tsg_ct/WG1_mm-cc-sm_ex-CN1/TSGC1_122e/Docs/C1-200772.zip) | Correction in IMS\_Registration\_handling policy about how UE should deregister | | | MediaTek Inc. | CR 6404  24.229 Rel-16 | Postponed  Document was late | |
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|  | Release 17  work items | | Tdoc | **NOT PART OF THIS MEETING** | | |  |  |  | |
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|  | Output Liaison Statements | | Tdoc | Title | | | Prepared by | To/CC | Result & comment | |
|  |  | | [C1-200309](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200309.zip) | Reply LS on General Status of Work | | | Ericsson / Ivo | LS out Rel-16 |  | |
|  |  | | [C1-200310](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200310.zip) | Reply LS on sending CAG ID | | | Ericsson / Ivo | LS out Rel-16 |  | |
|  |  | | [C1-200434](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200434.zip) | LS on secure that a UE does not wait indefinitely for completion of NSSAA procedure | | | ZTE | LS out Rel-16 |  | |
|  |  | | [C1-200545](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200545.zip) | Reply LS on PC5S and PC5 RRC unicast message protection | | | OPPO / Rae | LS out Rel-16 | Peter, Wed, 17:15  Explains that expectation from confcall is that this LS is withdrawn, | |
|  |  | | [C1-200699](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200699.zip) | LS on manual CAG selection | | | Nokia, Nokia Shanghai Bell | LS out Rel-16 | Lena, Friday, 08:31  LS needs to be more to the point,  Vishnu, Saturday, 15:20  support Lena’s suggestion to be more specific with the broadcasted SIM indicator in the LS. | |
|  |  | | [C1-200707](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200707.zip) | Reply LS on Mobile-terminated Early Data Transmission | | | Ericsson / Mikael | LS out Rel-16 |  | |
|  |  | | [C1-200710](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200710.zip) | Reply LS on RRC establishment cause value in EPS voice fallback from NR to E-UTRAN | | | Nokia, Nokia Shanghai Bell | LS out Rel-16 | Postponed  Osamah, Friday, 02:07  Had TEI16 CR3316 in previous e-meeting to address action related to incoming LS in LS R2-1916530/C1-200221. postponed the CR until next CT1 meeting where incoming LS can be discussed. Now this CT1 e-meeting excludes TEI16 CR therefore we did not submit any revised CR related to this incoming LS. No revised CR. any discussion related to outgoing reply LS should be postponed as well  Sung, Monday, 16:53  Wants the LS to be postponed to next meeting | |
|  |  | | [C1-200717](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200717.zip) | Reply LS on extended NAS timers for CE in 5GS | | | Ericsson / Mikael | LS out Rel-16 |  | |
|  |  | | [C1-200718](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200718.zip) | Reply LS on configured NSSAI handling | | | Nokia, Nokia Shanghai Bell | LS out Rel-16 |  | |
|  |  | | [C1-200764](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200764.zip) | reply LS for concurrent broadcast for CMAS | | | Samsung /Grace | LS out Rel-16 | Proposed Postponed  The related incoming LS in C1-200226 is Rel-15 and hence not in scope of this meeting. Consequently any Reply LS is not in scope of the meeting either (although header of this LS lists Rel-16) | |
|  |  | | [C1-200323](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200323.zip) | Response to LS on Non-UE N2 Message Services Operations | | | Cisco Systems Belgium | LS out Rel-16 | Withdrawn  Moved from 16.2.21 | |
|  |  | | [C1-200453](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\C1-200453.zip) | LS on limited service state for CAG cell | | | Huawei, HiSilicon / Vishnu | LS out Rel-16 | Withdrawn  Moved from 16.2.7.1  Lena, Thursday, 09:03  Why is this needed, SA2 already agreed a related CR in see [S2-2001693](ftp://ftp.3gpp.org/tsg_sa/WG2_Arch/TSGS2_136AH_Incheon/Docs/S2-2001693.zip)  Ivo, Thursday, 16:12  whether a UE not supporting CAG can camp on an acceptable CAG cell depends on broadcast information provided in AS layer. According to my information, RAN2 expects that the CAG cell will indicate "cellreservedForOtherUse" which might prevent a UE not supporting CAG from camping on the acceptable CAG cell. We believe that CT1 should wait for RAN2 decision on whether a UE not supporting CAG can camp on an acceptable CAG cell  Lena, Friday, 04:37   * SA2 agreed [S2-2001693](ftp://ftp.3gpp.org/tsg_sa/WG2_Arch/TSGS2_136AH_Incheon/Docs/S2-2001693.zip) by which Rel-16 UEs not supporting CAG can camp on a CAG cell in limited service state to get emergency services * RAN2 has not yet decided on whether/how Rel-15 UEs can camp on a CAG cell in limited service state to get emergency services   for Rel-15 UEs, we need to wait for RAN2. For Rel-16 UEs, we can align TS 23.122 with the SA2 agreement and there is no need to send any LS to SA2  Vishnu, Friday, 13:54  Agrees with Lena, withdraws the LS  Vishnu, Friday, 14:17  Ivo, As I am not aware of such RAN2 discussion, can you please share further information on this, like any Tdoc numbers etc?  Ivo, Friday, 15.11  Some explanation, Ericson prefers to wait for RAN2 for Rel-16 | |
|  |  | | C1-200671 | Response to LS on Sending CAG ID | | | Samsung/Kundan | LS out Rel-16 | Merged into 310  Moved from 16.7.1  LATE | |
|  |  | | [C1-200785](file:///C:\Users\dems1ce9\OneDrive%20-%20Nokia\3gpp\cn1\meetings\122-e_electronic_0220\docs\update1\C1-200785.zip) | LS on suspend indication to the NAS | | | Samsung/Mahmoud | LS out Rel-16 | Revision of C1-200590  Amer, Tuesday, 01:14  draft LS describes the ambiguity related to the interpretation of the suspend indication that stems from the text in CT1 specs and asks RAN2 for a solution. This comes across to me as asking RAN2 to help us clean our own backyard. Is there a text in RAN2 specs that can be used to explain the ambiguity? We should draft the discussion and the question to RAN2 around it  The issue is not the text in CT1 specification. The issue is with the same suspend indication from the RRC spec that is being sent to the NAS for two different reasons/events.  Do you have an alternative proposal that you can kindly suggest?  Amer, Wednesday, 00:24  My suggestion is to re-formulate the question to show how it relates to RAN2, e.g. point to the text in the RAN2 spec defining the suspend indication to the upper layers and explain where the ambiguity is.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Amer, Friday, 01:34  Base don comments to C1-200588 and C1-200585, believes the LS is not needed  Mikael, Friday, 08:48  Supports sending the LS, however, leave it open to RAN2  Mahmoud, Friday, 22:52  Announces revision | |
|  |  | | C1-200839 | LS on service area restriction for CIoT 5GS optimization | | | Samsung/Mahmoud | LS out Rel-16 | Amer, Wed, 00:40  think we should ask SA2 to take another look at the service area restrictions as it applies to the UE using CIoT optimizations. So I propose to send a simpler but broader question in the attached revision. | |
|  |  | | C1-200889 | Reply LS on Non-UE N2 Message Services Operations | | | Ericsson / Mikael | LS out Rel-16 | Revision of C1-200721  PeterS, Wed, 10:16  This looks fine  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Christian, Thursday, 15:03  Supports sending an LS   * Rel-16, need to use a correct work item * Proposes rewording, shorter   Mikael, Friday, 12.23  Fine with rewording, uploaded a rev to the drafts folder  PeterS, Friday, 12:25  Minore editorial on the new proposal  Christian, Tuesday, 21:19  Rev looks fine | |
|  |  | | C1-200865 | Reply LS on Rel-16 NB-IoT enhancements | | | Huawei, HiSilicon/Lin | LS out Rel-16 | Revision of C1-200499  Mikael, Wed, 14:23  Providing commens  Yang, Wed, 15:23  Given the fact that we must ensure backwards compatible by all means, I support Mikael to remove the text related to “backward compatible” in the LS.  Lin, Wed, 15:44  All comments taken on board  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  C1-200416 and C1-200499 compete  Lin, TUesdy, 08:19  Provides a proposal in the drafts folder  Wants to hold the poen | |
|  |  | | C1-200854 | LS on UE specific DRX for NB-S1 mode | | | Qualcomm Incorporated / Amer | LS out Rel-16 | Revision of C1-200416  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Moved from 16.2.8  C1-200416 and C1-200499 compete  Lin, TUesdy, 08:19  Provides a proposal in the drafts folder  Wants to hold the poen  Amer, Wed, 01:55  Provides a rev of 416  Mikael, Wed, 12:55  In principle looks good  Some edits | |
|  |  | | C1-200938 | Reply LS on SUCI computation from an NSI | | | Ericsson / Ivo | LS out Rel-16 | Revision of C1-200395  Wed, 16:11  ivo commenting, not to happy with Sung’s comment but can live with it  Sung, Wed, 17:11  This looks good  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Lena, Friday, 08:28  Asks to change  “CT1 does not see advantages in specification of a SUPI of the NSI SUPI type containing an NSI derived from an IMSI”  to  “CT1 does not see the need for a SUPI of the NSI SUPI type containing an NSI derived from an IMSI in Rel-16”  Ivo, Monday, 08:24  Provides revision, according comment from Lena, is in drafts folder  Sung, Monday, 07:41  Asking for a rev, I don’t see any need for the last paragraph, that is:  Ivo, Wed, | |
|  |  | | C1-200920 | [Draft] LS on Unicode symbol numbers representing disasters | | | SyncTechno Inc. | LS out Rel-16 | Revision of C1-200445  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Moved from 16.2.1  Ivo, Thursday, 09:44  LS is to open, please remove “e.g.” , “etc”  Annex A is confusing since it also refers to UEs with no user interfaces which use new message IDs rather than Unicode characters | |
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|  | Late and misplaced documents | | Tdoc | Title  Prioritization of documents within this category will be done during the meeting.  Some tdocs are left in the main agenda item, although they are late (e.g. papers reporting IETF progress, which are usually more up to date the later they are submitted) | | | Source | Tdoc info | Result & comments  Late documents and documents which were submitted with erroneous or incomplete information | |
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|  | Closing  Friday  by 16:00 at the latest | |  | Did you mark your attendance to this meeting? | | |  |  | Any meeting document which is not mentioned in this report or with no recorded decision shall be interpreted as "reserved", i.e. not defined and shall be ignored if received | |
|  |  | |  | **Last upload of revisions:**  **Thursday 27th February 2020 16:00 CET**  **Last comments:**  **Friday 28th February 2020 16:00 CET**  **Chairman Report of the meeting:**  **Monday 2nd March 2020** | | |  |  |  | |
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