**3GPP TSG SA WG5 (Telecom Management) Meeting #141e S5-221003**

**e-meeting, 17-26 January 2022**

Source: SA5 Chair  
Title: Post-meeting Email approval status  
Document for: Information   
Agenda Item: 5.1

**NOTE on Deadlines for all email approvals:**

**This time we have two options (due to the Chinese New Year approaching and the Rel-17 finalization) during week 4 and week 6, as we have time before the SA plenary deadline. This means that we can also allow pCR email approvals.**

1. **“Short” email approval for very small updates, from 27 to 28 Jan.**
   1. Latest date/time to start: Thursday 27 Jan. 12:00 GMT
   2. Deadline: Fri 28 Jan. 23:59 GMT
   3. **Note:** If no objection by this deadline it will be declared approved, but the moderator may declare an extension into the 2nd period (continuing 7 Feb.) if more time is needed – then the deadline will be extended to 10 Feb.).
2. **“Long” email approval for other updates, from 7 to 10 Feb. for CRs, pCRs etc., and for latest draft TS/TRs impacted by pCR(s) on email approval, from 11 to 14 Feb.**
   1. Date/time to start: Monday 7 Feb. 00.00 - 12:00 GMT
   2. Deadline: Thursday 10 Feb. 23:59 GMT – except for any latest draft TS/TRs that are impacted by any pCRs on email approval – their deadline is to start Fri 11 Feb. 12.00 GMT and be closed Mon 14 Feb. 23:59 GMT

| Agenda | Tdoc | Title | Source | Type | Started | Deadline | Closed | Conclusion |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **SA5 LEVEL EMAIL APPROVALS** |  |  |  |  |  |  |
| 5.1 | **S5-221546 (long)** | Update of Stage 2 / Stage 3 alignment principles in SA5 working procedures | (WG Chair) (Thomas Tovinger) | Other | 9 Feb | 11 Feb 23.59 GMT | 12 Feb | D1 endorsed |
| 5.1 | **S5-221498 (short)** | Updated SA5 working procedures to include approved parts of 1059 and 1486 | (WG Chair) (Thomas Tovinger) | Other | 28 Jan | 28 Jan 23.59 GMT | 29 Jan | D1 approved |
| 5.2 | **S5-221547 (long)** | Rel-17 Discussion paper on definition of tenant | (Ericsson España S.A.) (Robert Törnkvist) | DP | 27 Jan | 10 Feb 23.59 GMT | 11 Feb | D2 endorsed |
| 5.3 | **S5-221548 (short)** | Reply LS on slicing management aspects in relation to SEAL | (Huawei) (Kai Zhang) | LS | 27 Jan | 28 Jan 23.59 GMT | 29 Jan | D3 approved |
| 5.3 | **S5-221560 (rev. of S5-221551** due to editorial errors found by MCC) (**short)** | Reply LS on network slice management service consumption | (Alibaba Group) (Xiaobo Yu) | LS | 27 Jan | 28 Jan 23.59 GMT | 29 Jan | D3 approved |
|  |  | **OAM EMAIL APPROVALS** |  |  |  |  |  |  |
| 6.2 | **S5-221552 (long)** | New WID on Network Slice Management Capability Exposure | (Alibaba Group) (Xiaobo Yu) | WID | 7 Feb | 10 Feb 23.59 GMT | 11 Feb | Noted |
| 6.2 | **S5-221553 (long)** | New SID on Fault Supervision Evolution | (China Mobile Com. Corporation, HUAWEI) (Chengcheng Feng | SID | 7 Feb | 10 Feb 23.59 GMT | 11 Feb | D3 agreed |
| 6.2 | **S5-221508 (short)** | New Rel-18 SID on alignment with GSMA OPG and ETSI MEC for Edge computing management | (Samsung Electronics Benelux BV) (Deepanshu Gautam) | SID | 27 Jan | 28 Jan 23.59 GMT | 29 Jan | D2 agreed |
| 6.2 | **S5-221554 (short)** | New Rel-18 WID on enhanced Edge Computing Management | (Samsung Electronics Benelux BV) (Deepanshu Gautam) | WID | 27 Jan | 28 Jan 23.59 GMT | 29 Jan | D3 agreed |
| 6.4.4 | **S5-221549 (long)** | Asynchronous operation NRM additions  **(in the same package of S5-221757/ S5-221758/ S5-221759/ S5-221549/ S5-221550)** | (Ericsson Hungary Ltd) (Balazs Lengyel), Nokia (Olaf Pollakowski) | CR | 8 Feb | 11 Feb 23.59 GMT | 12 Feb | D6 agreed |
| 6.4.4 | **S5-221550 (long)** | Asynchronous operation NRM additions - YANG Stage 3  **(in the same package of S5-221757/ S5-221758/ S5-221759/ S5-221549/ S5-221550)** | (Ericsson Hungary Ltd) (Balazs Lengyel) | CR | 8 Feb | 11 Feb 23.59 GMT | 12 Feb | D2 agreed |
| 6.4.4 | **S5-221555 (short)** | NRM enhacements for SMFFunction  **(in the same package of S5-221555/S5-221556)** | (Nokia Germany) (Konstantinos Samdanis) | CR | 27 Jan | 28 Jan 23.59 GMT | 29 Jan | D1 agreed |
| 6.4.4 | **S5-221556 (short)** | NRM enhancements for the SMFFunction (stage 3)  **(in the same package of S5-221555/S5-221556)** | (Nokia Germany) (Konstantinos Samdanis) | CR | 27 Jan | 28 Jan 23.59 GMT | 29 Jan | D1 agreed |
| 6.4.5 | **S5-221557 (long)** | Adding Signalling Based Activation for NR | (Ericsson Limited) (Bagher Zadeh) | CR | 7 Feb | 11 Feb 23.59 GMT | 12 Feb | Not pursued |
| 6.4.5 | **S5-221763**  **(long)** | Exception sheet for eQoE | (Ericsson Limited) (Bagher Zadeh) | Other | 7 Feb | 10 Feb 23.59 GMT | 11 Feb | D1 agreed |
| 6.4.7 | **S5-221558 (long)** | Rel-17 CR TS 28.541 Add tenant IOC to support multiple tenant environment | (Huawei) (Ruiyue Xu) | CR | 7 Feb | 10 Feb 23.59 GMT | 11 Feb | Not pursued |
| 6.4.7 | **S5-221738 (revision of S5-221223, as 1223 was uploaded in Inbox by mistake) (long)** | Revised work item on management of the enhanced tenant concept | (Huawei) (Lei Zhu) | WID | 7 Feb | 10 Feb 23.59 GMT | 11 Feb | D2 agreed |
| 6.4.8 | **S5-221559 (long)** | Rel-17 Input to DraftCR 28.537 Add requirements for context data | (Nokia, Nokia Shanghai Bell) (Olaf Pollakowski) | DraftCR | 7 Feb | 10 Feb 23.59 GMT | 11 Feb | D1 approved |
| 6.4.8 | **S5-221577 (long)** | Exception Sheet for MADCOL | (Nokia, Nokia Shanghai Bell) (Olaf Pollakowski) | Other | 25 Jan | 10 Feb 23.59 GMT | 11 Feb | D2 agreed |
| 6.4.8 | **S5-221576 (long)** | Revised WID for MADCOL | (Nokia, Nokia Shanghai Bell) (Olaf Pollakowski) | WID | 26 Jan | 10 Feb 23.59 GMT | 11 Feb | D3 agreed |
| 6.4.9 | **S5-221754 (long)** | pCR 28.312 ServiceDeploymentExpectation definition | (Samsung Electronics Benelux BV) (Deepanshu Gautam) | pCR | 27 Jan | 10 Feb 23.59 GMT | 11 Feb | D4 approved. |
| 6.4.9 | **S5-221764 (short)** | Exception Sheet for IDMS\_MN | (Huawei) (Ruiyue Xu) | Other | 27 Jan | 28 Jan 23.59 GMT | 29 Jan | D1 approved |
| 6.4.10 | **S5-221588**  **(short)** | Input to draftCR TS 28.536 clean up stage 2 descriptions | (Ericsson GmbH, Eurolab, Deutsche Telekom) (Jan Groenendijk) | CR | 27 Jan | 28 Jan 23.59 GMT | 29 Jan | D2  agreed |
| 6.4.10 | **S5-221765**  **(short)** | Exception Sheet for eCOSLA | (Ericsson GmbH, Eurolab) (Jan Groenendijk) | Other | 27 Jan | 28 Jan 23.59 GMT | 29 Jan | D1 approved |
| 6.4.11 | **S5-221593 (long)** | Rel-17 CR 28.541 Add C-SON CCO NRM model stage2  **(in the same package of S5-221593/S5-221594)** | (Huawei) (xiaoli Shi) | CR | 7 Feb | 11 Feb 23.59 GMT | 12 Feb | D6 approved |
| 6.4.11 | **S5-221594 (long)** | Rel-17 CR 28.541 Add C-SON CCO NRM model stage3  **(in the same package of S5-221593/S5-221594)** | (Huawei) (xiaoli Shi) | CR | 7 Feb | 11 Feb 23.59 GMT | 12 Feb | D6 approved |
| 6.4.12 | **S5-221756 (short)** | CR 28.313 MRO additions for CHO and DAPS handover | (Ericsson France S.A.S) (Per Elmdahl) | CR | 27 Jan | 28 Jan 23.59 GMT | 29 Jan | D2  agreed |
| 6.4.15 | **S5-221712 (long)** | pCR TS28.104 Add service experience analysis solution | (Huawei ) (Man Wang) | pCR | 7 Feb | 10 Feb 23.59 GMT | 11 Feb | D1 approved |
| 6.4.15 | **S5-221610 (long)** | pCR TS28.104 Add network slice throughput analysis solution | (Huawei) (Man Wang) | pCR | 7 Feb | 10 Feb 23.59 GMT | 11 Feb | D1 approved |
| 6.4.15 | **S5-221612 (long)** | pCR 28.104 Add MDA capability for MDA assisted energy saving analysis | (China Telecom Corporation Ltd.) (Yuxia Niu) | pCR | 7 Feb | 11 Feb 23.59 GMT | 12 Feb | D5 approved |
| 6.4.15 | **S5-221621 (long)** | pCR TS 28.104 add MDA related service components | (Huawei) (xiaoli Shi) | pCR | 7 Feb | 10 Feb 23.59 GMT | 11 Feb | Noted |
| 6.4.15 | **S5-221620 (long)** | pCR 28.105 Add NRMs for AI-ML model training | (Intel) (Yizhi Yao) | pCR | 7 Feb | 11 Feb 23.59 GMT | 12 Feb | D4 approved |
| 6.4.15 | **S5-221572**  **(long)** | Exception sheet for eMDAS | (Intel) (Yizhi Yao) | Other | 7 Feb | 10 Feb 23.59 GMT | 11 Feb | D1 approved |
| 6.4.17 | **S5-221758 (long)** | Rel-17 CR 28.623 Add file download NRM fragment (OpenAPI definitions)  **(in the same package of S5-221757/ S5-221758/ S5-221759/ S5-221549/ S5-221550)** | (Nokia, Nokia Shanghai Bell) (Olaf Pollakowski) | CR | 8 Feb | 11 Feb 23.59 GMT | 12 Feb | D3 agreed |
| 6.4.17 | **S5-221757 (long)** | Rel-17 Input to DraftCR 28.622 Add file download control NRM fragment  **(in the same package of S5-221757/ S5-221758/ S5-221759/ S5-221549/ S5-221550)** | (Ericsson LM) (Mark Scott), Nokia (Olaf Pollakowski) | CR | 8 Feb | 11 Feb 23.59 GMT | 12 Feb | D6 approved |
| 6.4.17 | **S5-221759 (long)** | Input to DraftCR Add file download NRM fragment, YANG  **(in the same package of S5-221757/ S5-221758/ S5-221759/ S5-221549/ S5-221550)** | (Ericsson LM) (Mark Scott) | Other | 8 Feb | 11 Feb 23.59 GMT | 12 Feb | D3 approved |
| 6.4.17 | **S5-221760 (long)** | CR 28.622 Add stage2 definition for file management  (Depends on the conclusion of email approval “**S5-221757/ S5-221759”**) | (Nokia, Nokia Shanghai Bell) (Olaf Pollakowski) | CR | 14 Feb | 15 Feb 23.59 GMT | 16 Feb | D1 agreed |
| 6.4.17 | **S5-221761 (long)** | Exception sheet for FIMA  (Depends on the conclusion of email approval “**package of S5-221757/ S5-221758/ S5-221759/ S5-221549/ S5-221550”**) | (Nokia, Nokia Shanghai Bell) (Olaf Pollakowski) | Other | - | - | - | Withdrawn |
| 6.4.18 | **S5-221627**  **(long)** | Rel-17 CR 28.541 Add Stage 2 solutions to support ECM  **(in the same package of S5-221627/S5-221578)** | (Intel) (Joey Chou) | CR | 29 Jan | 17 Feb 23.59 GMT | 18 Feb | D6 agreed |
|  | **S5-221578 (long)** | Rel-17 CR 28.541 Add Stage 3 solutions to support ECM  **(in the same package of S5-221627/S5-221578)** | (Intel) (Joey Chou) | CR | 29 Jan | 17 Feb 23.59 GMT | 18 Feb | D8 agreed |
| 6.4.19 | **S5-221499 (long)** | Revised WID Rel-17 NSA\_SBMA | ( Huawei) (Zou Lan) | WID | 28 Jan | 10 Feb 23.59 GMT | 11 Feb | D2 approved |
| 6.4.20 | **S5-221766**  **(long)** | Exception Sheet for MSAC | (Nokia, Nokia Shanghai Bell) (Sean Sun) | other | 27 Jan | 8 Feb 23.59 GMT | 9 Feb | D2 approved |
| 6.4.21 | **S5-221711 (long)** | WI Exception for eNETSLICE\_PRO | (Samsung Electronics Benelux BV) (Deepanshu Gautam) | other | 27 Jan | 8 Feb 23.59 GMT | 9 Feb | D3 approved |
| 6.5.2 | **S5-221713 (long)** | pCR 28.824 Skeleton restructuring proposal | (Huawei, Alibaba) (Kai Zhang) | pCR | 7 Feb | 10 Feb 23.59 GMT | 11 Feb | D1 approved |
| 6.5.2 | **S5-221714 (long)** | Key issue and solution on exposure without going through BSS | (Alibaba Group) (Xiaobo Yu) | pCR | 7 Feb | 11 Feb 23.59 GMT | 12 Feb | D9 approved |
| 6.5.2 | **S5-221569 (long)** | Resolving the acquisition of operator’s MIB EN | (Alibaba Group) (Xiaobo Yu) | pCR | 27 Jan | 10 Feb 23.59 GMT | 11 Feb | Noted |
| 6.5.2 | **S5-221570 (long)** | pCR TR 28.824 add solution on eMnS discovery service | (AsiaInfo, Alibaba Group) (Chunying Tang) | pCR | 7 Feb | 11 Feb 23.59 GMT | 12 Feb | D7 approved |
| 6.5.2 | **S5-221571 (long)** | pCR TR 28.824 add procedure for exposed MnS registration | (AsiaInfo, Alibaba Group) (Chunying Tang) | pCR | 27 Jan | 10 Feb 23.59 GMT | 11 Feb | Noted |
| 6.5.3 | **S5-221717 (short)** | pCR 28.819 Update Scope | (Lenovo, Motorola mobility, CMCC) (Ishan Vaishnavi) | pCR | 27 Jan | 28 Jan 23.59 GMT | 29 Jan | D1 approved |
| 6.5.3 | **S5-221767 (short)** | Revised SID for FS\_CICDNS | (Lenovo, Motorola Mobility, CMCC) (Ishan Vaishnavi) | pCR | 27 Jan | 28 Jan 23.59 GMT | 29 Jan | D2 approved |
| 6.4.20 | **S5-221745 (long)** | DraftCR for FIMA TS 28.622  (Depends on the conclusion of email approval “**S5-221757/ S5-221759”**) | Nokia Olaf Pollakowski | draftCR | 14 Feb | 15 Feb 23.59 GMT | 16 Feb | D2 approved |
| 6.4.1 | **S5-221746 (long)** | Latest draft TS 28.557 | Huawei | Draft TS | 7 Feb | 10 Feb 23.59 GMT | 11 Feb | D1 approved |
| 6.4.9 | **S5-221747 (long)** | Latest draft TS 28.312 | Huawei | Draft TS | 12 Feb | 15 Feb 23.59 GMT | 16 Feb | D1 approved |
| 6.4.15 | **S5-221748 (long)** | Latest draft TS 28.104 | Intel | Draft TS | 14 Feb | 15 Feb 23.59 GMT | 16 Feb | D1 approved |
| 6.4.15 | **S5-221741 (long)** | Latest draft TS 28.105 | Intel | Draft TS | 14 Feb | 15 Feb 23.59 GMT | 16 Feb | D1 approved |
| 6.4.16 | **S5-221749 (long)** | Latest draft TS 28.314 | Ericsson | Draft TS | 7 Feb | 10 Feb 23.59 GMT | 11 Feb | D1 approved |
| 6.4.16 | **S5-221709 (long)** | Latest draft TS 28.315 | Ericsson | Draft TS | 7 Feb | 10 Feb 23.59 GMT | 11 Feb | D1 approved |
| 6.4.16 | **S5-221750 (long)** | Latest draft TS 28.316 | Ericsson | Draft TS | 7 Feb | 10 Feb 23.59 GMT | 11 Feb | D1 approved |
| 6.4.18 | **S5-221751 (long)** | Latest draft TS 28.538 | Samsung | Draft TS | 9 Feb | 14 Feb 23.59 GMT | 15 Feb | D2 approved |
| 6.5.2 | **S5-221752 (long)** | Latest draft TR 28.824 | Alibaba | Draft TR | 14 Feb | 15 Feb 23.59 GMT | 16 Feb | D3 approved |
| 6.5.3 | **S5-221753 (long)** | Latest draft TR 28.819 | Lenovo | Draft TR | 7 Feb | 10 Feb 23.59 GMT | 11 Feb | D1 approved |
|  |  | **CHARGING EMAIL APPROVALS** |  |  |  |  |  |  |
| 7.4.2 | **S5-221648** | Work Item Exception for Charging aspects of Edge Computing | Intel Sweden AB | WID Exception | 27 Jan | 28 Jan  23.59 GMT | 31 Jan | d3 approved |
| 7.4.2 | **S5-221643** | Draft TS 32.257 | Intel Sweden AB | Draft TS | 7 Feb | 11Feb  23.59 GMT | 14 Feb | d2 approved |
| 7.4.2 | **S5-221675** | Presentation of TS 32.257 for Information | Intel Sweden AB | other | 27 Jan | 28 Jan  23.59 GMT | 31 Jan | d2 approved |
| 7.4.3 | **S5-221735** | Revised WID Charging aspects of Architecture Enhancement for NR Reduced Capability Devices | China Mobile Com. Corporation | WID | 28 Jan | 28 Jan  23.59 GMT | 31 Jan | d3 approved |
| 7.4.3 | **S5-221733** | Work Item Exception for Charging aspects of Architecture Enhancement for NR Reduced Capability Devices | China Mobile Com. Corporation | WID Exception | 28 Jan | 28 Jan  23.59 GMT | 31 Jan | d2 approved |
| 7.4.4 | **S5-221734** | Work Item Exception for Charging aspects of Proximity-based Services in 5GS | CATT | WID Exception | 27 Jan | 28 Jan  23.59 GMT | 31 Jan | d2 approved |
| 7.4.5 | [**S5-221723**](https://www.3gpp.org/ftp/TSG_SA/WG5_TM/TSGS5_141e/Docs/S5-221103.zip) | Revised WID Charging aspects of 5G LAN VN Group | Huawei | WID | 27 Jan | 28 Jan  23.59 GMT. | 31 Jan | d1 approved |
| 7.4.5 | [**S5-221722**](https://www.3gpp.org/ftp/TSG_SA/WG5_TM/TSGS5_141e/Docs/S5-221103.zip) | Work Item Exception for Charging Aspects of 5G LAN VN Group | Huawei | WID Exception | 27 Jan | 28 Jan  23.59 GMT | 31 Jan | d2 approved |
| 7.4.6 | **S5-221668** | Rel-17 CR 32.255 Add charging requirements of 5GS CIoT | Huawei | CR | 26 Jan | 28 Jan  23.59 GMT | 31 Jan | d4 approved |
| 7.5.1 | [**S5-221644**](https://www.3gpp.org/ftp/TSG_SA/WG5_TM/TSGS5_141e/Docs/S5-221097.zip) | Draft TR 28.822 | Huawei | Draft TR | 27 Jan | 28 Jan  23.59 GMT | 31 Jan | d1 approved |
| 7.5.2 | **S5-221645** | Draft TR 32.847 | MATRIXX Software | Draft TR | 26 Jan | 28 Jan  23.59 GMT | 31 Jan | d1 approved |
| 7.5.3 | **S5-221736** | Rel-17 pCR 28.826 Adding use case for cancel failed event | Ericsson LM | pCR | 27 Jan | 28 Jan  23.59 GMT | 31 Jan | d3 agreed |
| 7.5.3 | **S5-221646** | Draft TR 28.826 | Ericsson LM | Draft TR | 7 Feb | 11Feb  23.59 GMT | 14 Feb | d1 approved |
| 7.5.4 | **S5-221672** | Revised SID on 5G roaming charging architecture for wholesale and retail scenarios | Ericsson LM | SID | 27 Jan | 28 Jan  23.59 GMT | 31 Jan | d2 approved |
| 7.5.4 | **S5-221729** | Rel-17 pCR 28.827 Addition of the solution for the Roaming Charging Profile | Huawei | pCR | 27 Jan | 28 Jan  23.59 GMT | 31 Jan | d2 agreed |
| 7.5.4 | **S5-221732** | Rel-17 pCR 28.827 Clarification on the Roaming Charging Profile | Huawei | pCR | 27 Jan | 28 Jan  23.59 GMT. | 31 Jan | d2 agreed |
| 7.5.4 | **S5-221647** | Draft TR 28.827 | Ericsson LM | Draft TR | 7 Feb | 11Feb  23.59 GMT | 14 Feb | d1 approved |
| 7.5.4 | **S5-221673** | Presentation of TR 28.827 for Information | Ericsson LM | other | 27 Jan | 28 Jan  23.59 GMT | 31 Jan | d2 approved |
| 7.5.4 | **S5-221641** | New WID on 5G Charging for Local breakout roaming of data connectivity | Vodafone Italia SpA, | WID | 27 Jan | 28 Jan  23.59 GMT | 31 Jan | d6 approved |
| 7.5.4 | **S5-221670** | Work Item Exception for 5G Charging for Local breakout roaming of data connectivity | Vodafone Italia SpA | WID Exception | 27 Jan | 28 Jan  23.59 GMT. | 31 Jan | d5 approved |
| 7.5.4 | **S5-221671** | Rel-17 CR TS 32.240 Charging architecture for Local Breakout | Vodafone Italia SpA | CR | 27 Jan | 28 Jan  23.59 GMT | 31 Jan | d5 approved |
| 7.3. | [**S5-221737**](https://www.3gpp.org/ftp/TSG_SA/WG5_TM/TSGS5_141e/Docs/S5-221310.zip) | Rel-17 CR 32.291 Correct the Open API | Huawei | CR | 27 Jan | 28 Jan  23.59 GMT | 31 Jan | d1 approved |