**3GPP TSG-SA5 Meeting #142-e S5-222004**

**e-meeting, 4 - 12 April 2022** *revision of S5-221004*

**Source: SA5 Vice Chair (Huawei)**

**Title: OAM&P action list**

**Document for: Information**

**Agenda Item: 6.1**

# 1 Decision/action requested

***Tracking and resolution of open action items***

# 2 Open Actions

| **Item** | **Description** | **Rel.** | **Owner** | **Status** | **Target** |
| --- | --- | --- | --- | --- | --- |
| 119.1 | MCC to check how and where we could store UML code files for the figures in the specs | Rel-17 | MCC/SA5 leaders | Open  UML code is stored in Annex of the specifications.  Suggest to add separate section description into working procedure.  SA5#141e:  MCC has created a folder “/Email\_Discussions/SA5/SA5 source diagrams” to collect the source diagrams. The source UML code is not needed to be kept in this folder.  SA5#142e:  Close. | SA5#141e |

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| 130e.9 | Implement the mechanism to assure the stage 2 and stage3 alignment for one or more solution sets. And decide whether one or more SS has to be provided for every stage 2 items (define the mandatory set). Need to find out what is missing in stage3 first. | Rel-17 | Olaf Pollakowski/ Leaders/Yi Zhi | Open  S5-205199 is submitted to SA5#133e.  SA5#141e: 1546 is endorsed in #141e.  SA5#142e:  Close. | SA5#141e |
| 131e.1 | How to handle the alignment of stage 2 and stage 3. | Rel-17 | Leaders | Open  S5-205199 is submitted to SA5#133e.  SA5#141e: 1546 is endorsed in #141e.  SA5#142e:  Close. | SA5#141e |
| 132e.3 | 3GPP SA5 to inform ETSI NFV of any further updates to the 3GPP NRM (28.622) if they impact the touchpoints with ETSI. (S5-204019), e.g. before the end of every release | Rel-17 | All | Open  SA5#141e: Status to be checked.  SA5#142e:  Suggest to check whether to keep this AI, if no opinions suggest to close this AI in SA5#142e. | Standing |
| 132e.4 | Considering an new Liaison to Inform the SA2 and RAN3 about user data congestion working progress in SA5.( S5-204024/ S5-204025) | Rel-17 | YiZhi | Open  SA5#141e: Status to be checked.  SA5#142e:  Suggest to check whether to keep this AI, if no opinions suggest to close this AI in SA5#142e. | SA5#141e |
| 134e.3 | Update the specifications for E-UTRAN QMC if needed”. (S5-206291) | Rel-17 | Robert | Open  SA5#141e: Status to be checked.  SA5#142e:  Suggest to check whether to keep this AI, if no opinions suggest to close this AI in SA5#142e. | SA5#141e |
| 136e.1 | Improve the use case and requirements in 5.1.3 and 5.1.4 of TS 28.535 | Rel-17 | Ericsson LM, Deutsche Telekom AG, Huawei | Open  SA5#141e: Status to be checked.  SA5#142e:  Suggest to check whether to keep this AI, if no opinions suggest to close this AI in SA5#142e. | SA5#141e |
| 137e.1 | all TS rapporteurs to check in “your TS(s)” where any such terms (i.e. “master/slave” and “white/grey/black list”, as listed in the CR attachment in the LS and the latest version of 21.801 Annex Z) may exist, and prepare necessary Rel-17 CRs. | Rel-17 | Rapporteurs | Open  “S5‑213224 CR TS 32.421 Update inclusive language  S5‑213378 Rel17 CR 28.541 Inclusive language review fixing  S5‑213213 Rel. 17 CR TS 28.313 Fix non-inclusive languages “ submitted to SA5#137e.  #140e: Need to check the LS S5-216025 and check whether more specifications are related.  SA5#141e: Status to be checked.  SA5#142e:  Suggest to check whether to keep this AI, if no opinions suggest to close this AI in SA5#142e. | SA5#141e |
| 137e.2 | Check whether OAM could provide the measurements which needed by CH. (S5-213032) | Rel-17 | All | Open  SA5#141e: Status to be checked.  SA5#142e:  Suggest to check whether to keep this AI, if no opinions suggest to close this AI in SA5#142e. | SA5#141e |
| 137e.3 | Consider to work on the addition of “it is enough to have one SS for a stage 2/3 contribution, when one SS is not provided, it is documented “ in the working procedures. (S5-213374) | Rel-17 | SA5 Leaders | Open  #139e: need to consider together with 130e.9 and 131e.1.  SA5#141e: Status to be checked.  The following sentence is added in SA5 working procedure already. “• For every stage 2 management capability, it must be accompanied by one or more corresponding stage 3 definition(s) for at least one of the 3 existing SS types (YAML , YANG and XML).”  SA5#142e:  Close. | SA5#141e |
| 139e.1 | Propose an Async mode design (NRM IOC modeling with what/how many IOC, then design procedure based on the IOC modeling) related to S5-215087/S5-215088 | Rel-17 | Sean Sun | Open  #140e: (S5-216252/S5-216388/S5-216372/S5-216390) Asynchronous design tdocs discussed but need more discussion.  SA5#141e: Status to be checked.  Package (S5-221757/ S5-221758/ S5-221759/ S5-221549/ S5-221550) have been approved/agreed in SA5#141e.  Close. | SA5#141e |

# 3 Closed Actions

| **Item** | **Description** | **Rel.** | **Owner** | **Status** | **Closed** |
| --- | --- | --- | --- | --- | --- |
| 92.3 | Update draft TS of TS 28.601 to remove the editor’s notes, and send for email approval | Rel-12 | Gang Chen | Closed | SA5#92 |
| 92.4 | Update draft TS of TS 28.611 to remove the editor’s notes, and send for email approval | Rel-12 | Gang Chen | Closed | SA5#92 |
| 93.2 | Facilitate the detection of conflict between CRs | All | SA5 Chair | Closed (handed over to OAM and CMAN SWGs) | SA5#94 |
| 93.1 | Add IS-SS link management to SA5 working procedure | TBD | SA5 Chair | Closed | SA5#95 |
| 94.2 | Create the framework to indicate which specs are applicable for Converged Management.  One potential solution may be to capture this information in 32.101/103, and remove the relevant/redundant statement from 28 series.  Coordination with action 94.3 is needed. |  | Anatoly Andrianov | Closed | SA5#95 |
| 94.3 | Create the framework to indicate which specs are applicable for Network Sharing.  One potential solution may be to capture this information in 32.101/103. Coordination with action 94.2 is needed. |  | Padma Sudarsan | Closed | SA5#95 |
| 95.1 | Cross check 28 series specs to find if any of them still uses separate table for state management related attributes. | Rel-11  Rel-12 | CMAN Chair (Thomas Tovinger) | Closed | SA5#97 |
| 90.2 | Contact BBF (informally) about status of alignment on performance measurements (original LS S5-121387 out to BBF ) | TBD | SA5 Chair | Closed Note: reply not received | SA5#97 |
| 96.1 | Remove the editor’s notes in TS 28.672 (originated from [S5-144049](file:///D:\c79089\userdata\w22017\Desktop\SA5%20Meeting\docs\S5-144049.zip)) | Rel-11  Rel-12 | Padma Sudarsan | Closed | SA5#97 |
| 97.1 | Cross check 32.592/6 about the relations with LS from BBF on TR-196i2 | All | Padma Sudarsan | Closed | SA5#98 |
| 92.2 | Clarify the guidance for mapping of inherited attributes in SS for 28 series (whether the inherited attributes are repeated in SS mapping table and idl) | Rel-11/12 | CMAN Chair (Thomas Tovinger) | Closed at #99  Guidance is ready. | SA5#98 |
| 93.3 | A mapping table and extension rules for XML Solution Sets should be proposed. | Rel-11 | All | (transferred from CMAN SWG)  Closed (without resolution) at #99 | SA5#98 |
| 96.2 | Check the consistency of PLMN ID definition in ALL SS (originated from [S5-144](file:///D:\c79089\userdata\w22017\Desktop\SA5%20Meeting\docs\S5-144049.zip)376). | Rel-11  Rel-12 | all | Closed (without resolution) at #99 | SA5#98 |
| 92.1 | Remove the service trace features from Rel-11 after the corresponding specs are upgraded to Rel-12. | Rel-11 | Anatoly Andrianov | Closed at SA5#100  CRs agreed | SA5#100 |
| 99.1 | VNF PM&FM flow options in NFV management (triggered by S5A-152072) | Rel-13 | Nokia Networks (Anatoly Andrianov) | Closed  Contribution sent to ETSI NFV IFA | Feb.24 2015 (for NFV joint meeting in Feb.27 2015) |

| **Item** | **Description** | **Rel.** | **Owner** | **Status** | **Closed** |
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| 99.2 | Interface assembly for standardization  (S5-151366) | Rel-13 | HUAWEI (Zou Lan), Ericsson (Edwin Tse) | Closed  Contribution sent to ETSI NFV IFA | Feb.24 2015 (for NFV joint meeting in Feb.27 2015) |
| 99.3 | Work split and interface involvement (S5-151363, S5-151358) | Rel-13 | OAM SWG Chair (Yizhi Yao), HUAWEI (Zou Lan), | Closed  Contribution sent to ETSI NFV IFA | Feb.24 2015 (for NFV joint meeting in Feb.27 2015) |
| 93.5 | General AP for the group to check the necessity of “id” for all the 28/32 series IOCs (general OAM action item) | Rel-12 | OAM SWG | Open (transferred from CMAN SWG)  Closed at SA5#101: without contribution | SA5#101 |
| 101.1 | Double check copy right issue with Quest forum | Rel-13 | Ericsson | Closed. (No copyright issue) | SA5#102 |
| 99.4 | Guidance for making references to ETSI NFV MANO GS in TR 32.842 | Rel-13 | OAM SWG Chair (Yizhi Yao) | Closed. (Guidance is not needed anymore) | SA5#102 |
| 94.1 | Study how to check the consistency of CRs on same specs (with the help of MCC).  Note: the spec number, release etc information will be mandatory for the CRs for SA5#99. | All | OAM and CMAN SWG Chair  (took over from SA5 Chair) | Closed (this is already done according to the usual process) | SA5#103 |
| 85.14 | In a future update of 28.663, remove the space in the name space “xmlns:gr=<http://www.3gpp.org/ftp/specs/archive/32_series/32.796# genericRanNrm>”. Linked to AI 93.1. | Rel-11 | Rapporteur (Ericsson) | Closed | Done in CRs S5-156092 and S5-156093 |
| 95.5 | On Clause 13 of TR 32.838 : Refers to Auto Inventory, these three items need checking | Rel-12 | Rapporteur (Huawei) | Closed | Clause 13 is completed |
| 103.2 | Define naming conventions for requirement tags consistent for all new NFV specifications. | All | All | Closed | SA5#105 |
| 103.1 | Gap analysis between ONF documents on information modeling and related SA5 documents based on Multi-SDO outputs. See S5-155089. | All | All | Closed | SA5#106 |
| 106.1 | NFV Rapporteurs to update existing text in SA5 draft TSs based on the agreement: NS for ETSI Network Service and 3GPP service for 3GPP.  Note: All future contributions should follow this agreement. | Rel-14 | NFV Rapporteurs | Done. Closed | SA5#107 |

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| 106.2 | NFV Rapporteurs to check and potentially update SA5 NFV WIDs to ensure that they are aligned with approved cooperation guidelines between SA5 and ETSI ISG NFV, and that there is no overlap or inconsistency with ETSI specifications.  NFV Rapporteurs to check the following in the existing text in SA5 draft specifications:  1) Everything is consistent with the revised WIDs (if revised).  2) Whenever SA5 specs are using information defined in ETSI NFV specifications they should refer to the relevant ETSI specifications.  3) Requirements taken from ETSI specifications but written in different form should be aligned with ETSI specifications.Changes of ETSI requirements should be justified and documented in SA5 TSs. They should then be communicated to ETSI for discussion.  Note: All future contributions should follow this agreement. | Rel-14 | NFV Rapporteurs | Done. Closed | SA5#107 |
| 87.1 | For S5-130083 - Check latitude and longitude, why they are missing in the XML name space as noted in yellowed text. | Rel-12 | Ericsson | CRs approved at this meeting. Done. Closed | SA5#107 |
| 87.3 | For S5-130083 - Yellowed text (other than noted in AI 87.1 and 87.2) to be checked and updated if possible, otherwise moved to the Action list. | Rel-12 | Ericsson | CRs at this meeting (hoppingSequenceList). Done. Closed | SA5#107 |
| 100.1 | Provide contribution to address the issues in S5-152061 (LS from RAN2 on RSRQ measurements): how trace collecting entity knows the RSRQ type | Rel-13 | OAM&P SWG | Closed | SA5#109 |
| 108.1 | No need to add "Procedure of "for every procedure sub clause title.  Same comment for "Use case of" for every use case sub clause title. Rapporteur will check and prepare a pCR for this fixing. | Rel-14 | NFV FM Rapporteur (Huawei) | Closed | SA5#109 |
| 108.2 | It is necessary to identify the terminologies in draft TS that are related to legacy PM functions, and update them to the terminologies agreed by the group. | Rel-14 | NFV PM Rapporteur (Intel) | Closed | SA5#109 |
| 93.4 | The interpretation of “Null” combined with an empty list, for a multi-valued attribute (like theIubLink in TN NRM) which has isNullable=True. Consider to create a “User’s guide” for this. | Rel-11 | Thomas | CR approved at SA5#110:  S5-166215  Closed | SA5#110 |
| 94.1 | Check inheritance rules for contained IOCs – whether contained IOCs are included in the inheritance (related to S5-140524) | Rel-12 | Jean-Michel | 3 CRs approved at SA5#110:  S5-166063,  S5-166064,  S5-166065  Closed | SA5#110 |

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| 109.1 | Group discussed and agreed the methodology approach addressing documentation of actors, their roles and telecommunication resources in draft TS 25.525. This is also applicable to CM, PM and FM corresponding specifications. NFV rapporteurs to provide related pCRs. | Rel-14 | NFV Rapporteurs | Closed | SA5#112 |
| 110.1 | NFV rapporteurs to check and update if needed the text in the scope of all NFV specifications.  For example, change “Configuration Management (CM) of virtualized network functions which can be part of EPC or IMS.” to “Configuration Management (CM) of mobile networks that include virtualized network functions which can be part of EPC or IMS.” | Rel-14 | NFV Rapporteurs | Closed | SA5#112 |
| 111.2 | All rapporteurs of TSs 28.5xx to check in their respective TSs that all references to ETSI NFV GSs are present and up to date – cf. S5-171210. | Rel-14 | NFV Rapporteurs | Closed | SA5#112 |
| 111.1 | Allow inheritance from ManagedFunction in XML Soution Sets (related to NFV stage 3). Triggered by S5‑171196. | Rel-14 | Anatoly, Edwin, Yizhi | Closed | SA5#113 |
| 112.1 | Align the terminology used to represent the measured object of the VR related performance measurements over Itf-N. | Rel-15 | PM NFV Rapporteur, All | Closed | SA5#113 |
| 113.1 | Provide a CR against TS 32.156 Correcting the definition of the realization relationship | Rel-15 | Orange, Ericsson, Intel | Closed | SA5#113 |
| 97.1 | Next steps for 32.151, 32.152, 32.156, and 32.157 – consider the overlap. | Rel-13 | Thomas | Closed | SA5#115 |
| 108.3 | Provide contributions to address the request in the LS from ATIS to SA5 on Establish a Metric to Determine a Drop in Registered Users in an IP-Based Network (S5-164107) | Rel-14 | All | Closed | SA5#115 |
| 114.4 | Create CRs to update references.  See S5-174067 LS from ETSI NFV to SA5 on Progress on ETSI NFV APIs specifications for Management and Orchestration interfaces. | Rel-15 | NFV rapporteurs | Closed at SA5#117 | SA5#117 |
| 115.1 | For next meeting, update draft CR 32.425 Add PEE measurements for E-UTRAN, with some Use Case description in Annex A of 32.425. | Rel-15 | Jean-Michel | Closed at SA5#117 | SA5#117 |
| 115.2 | Rapporteur of TR 32.857 to confirm the number of required measurement sets and include a clarification statement into the TR. | Rel-15 | Vladimir | Closed at SA5#117 | SA5#117 |
| 115.3 | Rapporteur of TR 32.857 to clarify and confirm on whether NB-IoT devices are included under the “Non-eMTC” category of devices. | Rel-15 | Vladimir | Closed at SA5#117 | SA5#117 |
| 114.1 | Consider a CR against 21.905 to update the definition of 3GPP system (add NR, clarify that WLAN is not part of 3GPP system). | Rel-15 | Christian | Closed. SP-180179 approved at SA#79. | SA5#119AH |
| 117.2 | Converge on naming conventions for management services. | Rel-15 | Rapporteurs | Closed | SA5#119AH |
| 119.4 | The measurements between PGW-C and PGW-U and measurements between SGW-C and SGW-U should be defined within work item of Management Enhancement for EPC CUPS. | Rel-15 | CUPS rapporteur | Closed | SA5#121 |
| 122.1 | Need to define xNF in TR 28.900 (from S5-187261) | Rel-15 | TR Rapporteur | Closed | SA5#123 |
| 90.1 | Clarify the “Import” semantics in IS -  Identified from 6.3 (CR session) | All | Edwin, Yizhi | pCR to draft CR on 32.157 agreed at SA5#108.  Need to assess impact on all IRP ISs (from Rel-14). Closed – to be considered by all TS rapporteurs when using the new template for 5G. | SA5#124 |
| 112.2 | Investigate open source potential impacts on SA5. | Rel-15 | All | Closed – considered in the ongoing ONAP studies. | SA5#124 |
| 121.1 | Action triggered by S5-186061. Analyze S5-186061 and prepare a reply to ITU-T SG2 REST-based network management framework | Rel-16 | Nokia, Ericsson | LS sent at SA5#122. Closed | SA5#125 |
| 122.5 | TS 28.532: Revise clause 9.3.2.6 where it should read "/subscriptions" | Rel-15 | All | Closed.  SP-181045 corrects the issue. | SA5#125 |
| 122.2 | TS 28.532: Global check wrt. unsubscribe vs. unSubscribe operation name | Rel-15 | All | Closed at SA5#125AH. Addressed by S5-194413 and S5-194414. | SA5#125AH |
| 125.1 | Based on discussion (S5-193273) around where RRMPolicy types (today placed in gNBCU) shall be placed (gNBDU/gNBCU/gNBCUUP/gNBCUUP) in future. AP to Ericsson/Huawei to come up with a discussion paper where RRMpolicies for different radio resources (PRB, PDCP, NR of users etc)  shall be placed, and provide a LS to RAN group(s) and ask if they agree to proposal. | Rel-16 | Ericsson & Huawei | Closed at SA5#125AH. LS to RAN groups in S5-194458. | SA5#125AH |
| 120.3 | Action triggered by S5-185364: Produce CR(s) to align Stage 3 TSs with any corresponding Stage 2 TS changes agreed during SA5#120 after the Stage 3 specification was produced. | Rel-15 | TS rapporteurs | Finished in SA5#126.  Closed | SA5#126 |
| 125AH.1 | Create a mirror CR of S5-194412. | Rel-16 | Ericsson | Finished in SA5#126.  Closed | SA5#126 |
| 125AH.4 | Pack conditional agreed stage 2 CRs with stage 3 definition and submit to next meeting. | Rel-16 | All | Closed | SA5#126 |
| 114.3 | Create CRs to replace NR with NCR.  See S5-174062 LS from RAN2 to SA5 on changing the Neighbour cell Relation acronym to “NCR”. | Rel-15 | Zhulia | Partially addressed at SA5#117, SA5#118 and SA5#119.  Related tdocs from Ericsson are approved in SA5#127 resolving NR->NCR, removed NR as New Radio, re-defined NR as network resource.  Closed in SA5#128 | SA5#128 |
| 117.1 | Fix actors and roles in the use cases for all 5G specifications. | Rel-15 | Rapporteurs | Open  Closed in SA5#128 | SA5#128 |
| 118.1 | Align terms in all 5G specs with definitions in TS 28.533. | Rel-15 | Rapporteurs | Open  Closed in SA5#128 | SA5#128 |
| 118.2 | Ensure that all the use cases in TS 28.531 are aligned with S5‑182478. | Rel-15 | All | Open  The state diagram is removed in S5-196782.  Closed in SA5#128 | SA5#128 |
| 119.2 | Update the attribute’s property’s setting (“T” and “F”) according to agreed output of S5-183430 | Rel-15 | Rapporteur | Open  Tdoc available in in SA5#127  Closed in SA5#128 | SA5#128 |
| 120.1 | Action triggered by S5-185278: send a LS to RAN3 to list SA5 requirements on new measurements. | Rel-16 | ZTE, CMCC | Open  RAN2 has already agreed a WI to address the measurement issue.  Closed in SA5#128 | SA5#128 |
| 121.2 | Action triggered by S5-186212. Produce CR/pCRs(s) to replace ‘MS’ by ‘MnS’ in all Rel-15 and Rel-16 (if any) TS/TRs where ‘MS’ stands for ‘Management Service’. | Rel-15 | TS rapporteurs | Done for 28.531 and 28.533. Open  28.532, 28.545 and 28.550 are checked with no problems.  Closed in SA5#128. | SA5#128 |
| 123.1 | Following discussion on Tdoc S5-191147, revisit the structure of TS 28.552 (spit, no-split, options). | Rel-16 | Zou Lan | Discussion paper endorsed at SA5#124. Open  Tdoc available in SA5#127  Close. | SA5#127 |
| 125AH.3 | Consider the impacts or replacing the term SLA with SLS in all concerned specifications. | Rel-16 | All | Open  Tdoc available in SA5#127  Relation between SLA and SLS is clarified and captured in 28.533, no need to replace SLA with SLS.  Close. | SA5#127 |
| 126.1 | Improve the definition of Network Resource. Related to S5-195478. | Rel-16 | Rapporteur TS 28.622 | New  Tdoc available in SA5#127.  Close. | SA5#127 |
| 126.2 | Stage 3 owners will fill gap between stage 3 and stage 2 before SA#127 meeting, since SA#127, the CR author of Rel16 NRM have baseline to implement stage 3 for any new stage 2 CR. | Rel-16 | All | New  XML Tdoc available in SA5#127  Tdocs are agreed in SA5#127.  Close | SA5#128 |
| 122.3 | TS 28.532: Provide guidelines on versioning of management services in Stage 3 (e.g. some URI templating with a rule how to construct the version string from the TS version number) | Rel-15 | Olaf, Edwin,Xuruiyue | Open  S5-202230/S5-202231 are submitted to SA5#130e. Closed | SA5#130e |
| 122.4 | TS 32.158: Provide recommendation for URI construction (cf. issue on DN prefix) and update 28.532 accordingly in all places. | Rel-15 | Olaf | Open  The URI construction has been approved and captured in 32.158 already.  Tdoc in SA5#127 (S5‑196451) was not pursued.  SA5#128 tdoc (S5-197429) to be discussed.  S5-197762 as revision of S5-197429 is approved.  S5-202233/S5-202234 are submitted to SA5#130e.  Closed | SA5#130e |
| 123.2 | Related to contribution S5-191226, propose resolution of the Editor’s note in X4.3.a.2 of 32.160 | Rel-16 | Jan | Open  SA5#128 tdoc (S5-197250) to be discussed.  S5-197772 was agreed in SA5#128.  Closed | SA5#128 |
| 125AH.2 | KPI definitions uses 32.404 template for Measurement, i.e.  C.x.y. Measurement Name (clause header)  a)    Description  b)   Collection Method  c)    Condition  d)    Measurement Result (measured value(s), Units)  e)    Measurement Type  f)     Measurement Object Class  But many KPI definitions done/agreed so far do not fill item-f properly. Corrective action is needed. | Rel-16 | All | Open  Tdoc available in SA5#127  New tdoc in SA5#128  Closed. | SA5#128 |
| 127.1 | Produce a super CR to TS 28.552 to include all the modification for clause 5.1 in SA5#128. | Rel-16 | Jiaxiaoqian | Open  Closed. | SA5#128 |
| 127.2 | Investigate if there is an issue due to the information in the LS reply of (S5-196517 and S5-196518), which needs some clarification of updates of some TSs | Rel-16 | Anatoly,Edwin, Xuruiyue | Open  S5-202236 submited to SA5#130e to address this issue.  Closed | SA5#130e |
| 128.1 | AP for Ping Jing to organize a call to discuss slice concept before SA5#129. | Rel-16 | Ping Jing | Open  Closed | SA5#130e |
| 129e.1 | clarification on the network slice related identifiers e.g. relation between SA2 NSI ID and SA5 network slice instance ID in NRM, etc.)”, and clarify network slice and network slice instance definitions in 28.530 as well as looks that’s the root source of the confusion.( related tdocs S5-201114,S5-201115, S5-201111, S5-201112)  Investigate if the NSI ID is used properly in stage 3 operations. Today in the spec, the NSI ID seems to be used as the DN of an operation and if so, that is wrong. | Rel-16 | Pingjing,Deepanshu,Attila, Olaf, Edwin | Open  Group of tdocs are submited to SA5#130e.  MAINT GROUP#11 (S5-202190/S5-202191/S5-202192/S5-202193/S5-202194/S5-202195 /S5-202145/S5-202146/S5-202278/S5-202279/S5-202280)  Closed | SA5#130e |
| 129e.2 | Clarify the definition and solution for MnS with CRUD operations for different management purposes (e.g. Node configuration, PM control, NotificationSubscriptionControl). (related tdoc S5-201319) | Rel-16 | Xuruiyue, Olaf,Edwin | Open  Group of tdocs are submitted to SA5#130e.  6.3-MAINT, GROUP#5 (S5-202088/S5-202089/S5-202226/S5-202227/S5-202228/S5-202229).  Closed. | SA5#131e |
| 129e.3 | The existing RRMPolicyRatio (including 5 attributes: quotaType, rRMPolicyMaxRatio, rRMPolicyMarginMaxRatio, rRMPolicyMinRatio, rRMPolicyMarginMinRatio) defined in TS 28.541 need to be clarified. (related tdoc S5-201320) | Rel-16 | Xuruiyue, Ping Jing, Jan Önnegren | Group of tdocs are submitted to SA5#130e  eNRM Group#1 (S5-202033, S5-202034, S5-202297)  Closed | SA5#130e |
| 129e.5 | network slice isolation attribute(related tdoc S5-201273/S5-201382) | Rel-17 | Ping Jing,Shi Xiao Nan,Zhangkai,Deepanshu, Jan Groenendijk, JOSE ANTONIO ORDOÑEZ LUCENA | Open  It’s decided to move the discussion in Rel-17.  Close. | SA5#132e |
| 130e.1 | Provide concrete ETSI forge issues to ask help from Michele, For example, changing the name of the project. | Rel-16 | SA5 leaders | Open  Endorsed document S5-204480.  Close. | SA5#132e |
| 130e.2 | Need to update Rel-16 CR TS 28.628 Modify TOP as parent class to keep the consistency. (related tdocs S5-202203/S5-202206) | Rel-16 | Wei Hong Zhu | Open  Tdoc submitted to SA5#132e.  Closed. | SA5#132e |
| 130e.3 | Modify the stage 2 and stage3 inconsistency for “remoteAddress in EP\_Common grouping in \_3gpp-common-ep-rp.yang” in TS 28.541 | Rel-16 | Xu Ruiyue | Open  Agreed tdoc S5‑203186 and endorsed S5‑203218 have partially addressed the issue.  Close. | SA5#132e |
| 130e.5 | Add a new annex with diagram in TS 28.530 to show the relation of SA2 network slice/network slice instance concept and SA5 defined slice subnet concept. | Rel-16 | Zhang Kai/Ping Jing/Jan Önnegren/ Deepanshu Gautam | Open  Agreed tdoc S5‑202366，S5‑202367  Closed. | SA5#131e |
| 130e.6 | Action point to check the necessary SA5 CRs to support eCall in IMS over NR (with 5G Core) and to prepare the required CRs (related to S5-202029) | Rel-16 | All | Open  Closed. | SA5#131e |
| 130e.7 | The resource quota (i.e. ‘rRMPolicyMaxRatio’ ‘rRMPolicyMinRatio’ and ‘rRMPolicyDedicatedRatio’ ) is represented by percentage or real number or use both needs to be clarified | Rel-16 | Xuruiyue/Jan Önnegren/ Ping Jing | Open  Agreed tdoc S5‑203185.  Closed. | SA5#131e |
| 95.1 | Resolve the problem with TS 32.107 reference to SID via M-SDO Tdoc number. | Rel-12 | Zou Lan | S5-204328, S5-204329, S5-204330, S5-204331, S5-204332  Tdocs submitted to SA5#132e  Close. | SA5#132e |
| 129e.4 | discussion about the meaning of standards vs. white papers and tutorials (related tdoc S5-201314/S5-201355) | Rel-16 | Zou lan,Olaf,Jan Groenendijk | Open  S5-205198 is submitted to SA5#133e.  Close. | SA5#134e |
| 132e.5 | Consider whether XML Solution set to be deprecated | Rel-17 | All | Open  S5-205199 is submitted to SA5#133e.  S5-205354 is endorsed.  S5-212027 and S5-212028 are submitted to SA5#136e.  Closed. | SA5#133e |
| 133e.1 | Consider a new UC template | Rel-17 | SA5 Leaders | Open  S5-206257 is submitted to SA5#134e.    S5-211078 is submitted to SA5#135e.  S5-212129 and S5-212131 are submitted to SA5#136e.  S5-213414/S5-213268 are submitted to SA5#137e.  S5‑213455 is agreed in SA5#137e.  Close. | SA5#135e |
| 133e.2 | Merge the forge procedure with considering 4449 and 5395. | Rel-17 | SA5 Leaders | Open  Forge process has been merged into working procedure.  Close | SA5#134e |
| 134e.1 | Update the dynamic5QISet IOC to align with SA2 answer in S5-206018. | Rel-16 | Yao Yi Zhi | Open  S5-211110/S5-211112 submitted to SA5#135e.  S5-211481/S5-211482 are agreed.  Close. | SA5#135e |
| 135e.1 | Consider to revise the WID 5GDMS to include the modification of 28.537 (S5-211367) | Rel-17 | Brendan | Close  S5-212225 is submitted to SA5#136e. | SA5#136e |
| 135e.2 | Address Observation #1 from S5-211036 | Rel-17 | All | Open  AI has been addressed via SP-210417 Clarify misleading information in network slicing use cases.  Close. | SA#92e |
| 135e.3 | Address Observation #2 from S5-211036 | Rel-17 | All | Close.  S5-212221 is submitted to SA5#136e.  S5-212348 (Rel-15 CR TS 28.541), S5-212349 (Mirror Rel-16 CR) and S5-212350 (Mirror Rel-17 CR) have all been agreed at SA5#136e and approved at SA#91e. | SA5#136e |
| 135e.4 | Address Observation #3 from S5-211036 | Rel-17 | All | Close.  S5-212221 is submitted to SA5#136e.  S5-212348 (Rel-15 CR TS 28.541), S5-212349 (Mirror Rel-16 CR) and S5-212350 (Mirror Rel-17 CR) have all been agreed at SA5#136e and approved at SA#91e. | SA5#136e |
| 138e.1 | CRs (S5-213100/S5-213480) for TS 32.160 are cat-F but they are missing the mirrors in Release 17. | Rel-17 | Olaf | Closed. (S5-214099/S5-214095 are agreed in SA5#138e) | SA5#138e |
| 114.2 | Check the need for some clean up CR.  See S5-174333 LS reply to 3GPP SA5 on Managing EM IP address provided to VNF. | Rel-15 | All | Open  #139e: suggest to check whether to keep this AI, if no opinions suggest to close this AI in SA5#140e.  SA5#141e: no further feedback in #140e.  Close. | SA5#140e |
| 119.3 | Fix the hanging paragraphs and use of letters in the sub-clause numbers of the existing (pre Rel-15) text | Rel-15 | Trace rapporteur | Open  #139e: suggest to check whether to keep this AI, if no opinions suggest to close this AI in SA5#140e.  SA5#141e: no further feedback in #140e.  Close. | SA5#132e |
| 120.2 | Action triggered by S5-185531: Conduct investigations (bullet 1/2/3 below). Investigation agreement, if any, will be implemented as CR(s) to the to-be-approved Rel-15 TS 28541.  1. Investigate the use of XPATH, instead of DN, as IOC instance identification;  2. Investigate the use of appropriate/consistent style for SA5 YANG models, e.g. rules to use of module/submodule for SA5 defined <<IOC>>s; production of YANG models for other NRM IRPs such as GENERIC NRMs so the NR NRM Yang model can do import (and not making redefinition), etc;  3. Investigate the use of YANG name convention. | Rel-15 | Ericsson | Open  #139e: suggest to check whether to keep this AI, if no opinions suggest to close this AI in SA5#140e as Rel-15 TS 28.541 has published.  SA5#141e: no further feedback in #140e.  Close. | SA5#140e |
| 123.3 | As informed in the ETSI NFV LS S5-191287, consider upgrade of ETSI NFV IFA /SOL specifications referenced by SA5 specifications to release 3. | Rel-16 | All | Open  #139e: suggest to check whether to keep this AI, if no opinions suggest to close this AI in SA5#140e.  SA5#141e: no further feedback in #140e.  Close. | SA5#140e |
| 130e.4 | Check the legal value of error code for all notifications in TS 28.532 (related tdoc S5-202225)  Ericsson comment: In S5-202225 why is only the 204: success listed as a result? I imagine other results are also possible. At least add the error result received if notifyMOIChanges is not supported but still received. Also add an error result if ONLY notifyMOIChanges are supported but the 3 individual notifyChanges are not. | Rel-16 | Olaf Pollakowski | Open  #139e: suggest to check whether to keep this AI, if no opinions suggest to close this AI in SA5#140e.  SA5#141e: no further feedback in #140e.  Close. | SA5#140e |
| 130e.8 | The fault.yaml needs to be defined in TS 28.532 to complete FM control YAML solution in TS 28.623 (Triggered by S5-202182) | Rel-16 | Olaf Pollakowski/Xu Ruiyue | Open  SA5#141e:  faultMnS.yaml has been captured in TS 28.532.  Close. | SA5#141e |
| 132e.1 | Clean up functionality in Rel-16 for which there is no support in network traffic function. Provide reply to (S5-204020) later. | Rel-16 | Robert | Open  #139e: suggest to check whether to keep this AI, if no opinions suggest to close this AI in SA5#140e.  SA5#141e: no further feedback in #140e.  Close. | SA5#140e |
| 132e.2 | Clean up in Rel-16 for which there is no support. Provide reply to (S5-204021) later. | Rel-16 | Robert | Open  #139e: suggest to check whether to keep this AI, if no opinions suggest to close this AI in SA5#140e.  SA5#141e: no further feedback in #140e.  Close. | SA5#140e |
| 134e.2 | Add description on the alignment of stage1, stage2 and stage3. SA is discussing the alignment between SA1 requirements and solutions which may be related to this topic. Maybe link SA5 requirements with SA1. | Rel-17 | SA5 Leaders, Olaf | Open  SA5#141e:  There is no more decision from SA on the SA1 requirement alignment. The alignment of SA1 reqs. by company contributions to SA5, or LSs.  Close. | SA5#141e |
| 138e.2 | AP for Ericsson to propose and discuss update of endorsed tdoc in S5-213134.(S5-214218) | Rel-17 | Jan | Open  S5-215418 is submitted to SA5#139e.  Close. | SA5#139e |