**FS\_eNS\_Ph2 Agenda:**

CC#1:  March 25th (Wed.) (tdoc deadline March 23rd (Mon.) @6 am Pacific Time)

- Review and discuss the proposed merge solutions for KI#1 and KI#2 (refer to CC plan attached)

- Review and work on the merger of the Unhandled/revised PCRs from SA2#136 F2F meeting for KI#1 - KI#4

- If time permit, review new PCRs to determine if they are within the scope of KI#1-KI#4 in order to be considered as the potential solution

CC#2: April 3rd (Fri.) (tdoc deadline March 31st (Tue.) @6 am Pacific Time)

- Review and work on the merger of the Unhandled/revised PCRs from SA2#136 F2F meeting for KI#5 - KI#8

- If time permit, review new PCRs to determine if they are within the scope of KI#5-KI#8 in order to be considered as the potential solution

NOTE-1: Merge proposal will have priority to be handled during the CC.

NOTE-2: Following SA2 Vice Chair’s instructions, even for the SA2#136ah unhandled tdoc, please kindly resubmitted your revision. If no revision is received, there will be no discussion on the unhandled tdoc.

Rapporteur Proposed Merged Solutions Considerations

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| --- | --- | --- | --- | --- | --- |
| Solution#'s or SA2#136AH tdoc#’s  | Solution Titles | Key Issue#'s | Contributor(s) | Rapporteur’s proposal for Merging  | Outcome  |
| 1 | PCF measurement based Network Slice SLA control for Maximum Number of UEs parameter | 1 | HW  |  |  |
| S2-2000630 | Solution#1 Updates: architectural assumptions and ENs clarification | 1 | HW |  |  |
| S2-2000175 | Update to Solution 1 | 1 | E/// | * Possible merge with S2-2000630 above?

Mainly Editor’s notes |  |
| 2 | Max number of UEs per Network Slice control at registration | 1 | NEC |  |  |
| S2-2000317 | Updates to Solution #2 Max number of UEs per Network Slice control at registration | 1 | NEC |  |  |
| S2-2000176 | Update of Solution 2 | 1 | E/// | Mainly Editor’s notes | No plan for resubmission |
| S2-2000932 | Solution of Key Issue #1: Maximum number of UEs per Network Slice | 1 | Apple | * Possible merge with S2-2000317 above?

Apple proposed additional “proactive” approach from NSQM to notify AMF when quota becomes available to accept more UE(s) per network slice.  |  |
| 3 | AMF/NSSF based counting of UEs in a Network Slice | 1 | Nokia, TI, KDDI, Sprint |  |  |
| S2-2000177 | Update to Solution 3 | 1 | E/// | Mainly Editor’s notes | No plan for resubmission |
| S2-2000482 | Use of OAM based slice information by the AMF/NSSF | 1 | AT&T | * Possible merge with Solution#3 above?
 |  |
| 4 | NWDAF enhancements for supporting of network slice quota on the maximum number of UEs | 1 | DoCoMo |  |  |
| S2-2000076 | Update of Solution#4 for Key Issue #1 | 1 | DoCoMo |  |  |
| S2-2000178 | Update to Solution 4 | 1 | E/// | Mainly Editor’s notes | No plan for resubmission |
| S2-2000686 | Solution for KI #1 with back-off timer | 1 | Samsung |  |  |
| 5 | NWDAF enhancements for supporting of network slice quota on the maximum number of PDU Sessions | 2 | DoCoMo |  |  |
| 6 | PCF-based counting of PDU Sessions in a Network Slice | 2 | Nokia, TI, KDDI, Sprint | * Possible merge with Solution#7 below?

Although Solution#6 is more focusing on the centralized PCF approach, whereas Solution#7 is more focused on the distributed PCFs approach, both solutions do not seem to have any conflicts against each other and could be complementary with each other.  |  |
| 7 | Support of Network Slice SLA for Maximum Number of PDU sessions parameter | 2 | HW | * Possible merge with Solution#6 above?

See comments Solution#6 above…. |  |
| 8 | AMF and O&M based solution | 1, 2 & 4 | E/// |  |  |
| 9 | Monitoring multiple quotas of number of UEs/PDU Sessions per S-NSSAI at NWDAF | 1, 2 & 4 | Moto |  |  |
| 10 | Max number of PDU Sessions per Network Slice control via NSQ function | 2 | NEC, Apple |  |  |
| 11 | Handling maximum number of sessions using NF status | 2 | Samsung |  |  |
| S2-2000379  | Data rate limitation per UE per slice | 3 | ZTE | * Possible merge with S2-2000515 below?

Very similar approach to have the serving AMF to perform the enforcement of the UL/DL rate. |  |
| S2-2000515 | Solution on limitation of data rate per Network Slice in UL and DL per UE | 3 | HW | * Possible merge with S2-2000379 above?

Very similar approach to have the serving AMF to perform the enforcement of the UL/DL rate. |  |
| S2-2000694 | Solution for KI#3 limitation of data rate per network slice | 3 | Samsung | The Slice-AMBR is signalled to the (R)AN. The (R)AN performs Slice-AMBR enforcement. |  |
| S2-2000564 | ENS\_Ph2 Solution for handling at NAS level restrictions imposed by GST parameters | all | QC |  |  |
| S2-2000884 | On Simultaneous use of the network slice - solution | 6 | Nokia, TI, KDDI, Sprint, ZTE |  |  |