**Notes of SA2#138E\_CC#2**

# Opened: 24 April 2020, 15:00 CEST

~ 158 people attended the conference call

**Attendees**: The following companies were recorded as present (list not exhaustive or verified)

Affirmed Networks

Alibaba

AT&T

Broadcom

BT

Cablelabs

Canon

CATT

Charter

China Mobile

China Telecom

China Unicom

Cisco

Convida Wireless

Deutsche Telekom

Dish

DOCOMO

Ericsson

ETRI

FirstNet

Fraunhofer

Futurewei

Huawei

IDCC

Intel

Interdigital

jUNIPER

KDDI

KPN

Kyocera

Lenovo

LGE

Matrixx

Mavenir

MCC

MediaTek

Mitsubishi

Motorola Mobility

NEC

Nokia

NTIA

NTT DOCOMO

Openet

OPPO

Oracle

oRANGE

OTD

Philips

Perspecta Labs

Qualcomm

Sandvine

Samsung

Sierra

Spirent

Sony

Telecom Italia

Tencent

T-Mobile USA

Thales

Vivo

Verizon

Vodafone

Volkswagen

Xiao Mi

ZTE

Puneet Jain (SA WG2 Chairman) chaired the conference call. Notes were taken by Maurice Pope (MCC).

NOTE: Meeting notes are not exhaustive and may not contain all the comments made during the conference call.

Opening statements by SA WG2 Chairman: This was arranged to discuss open items marked as "TBD at CC#2" in the **ChairmansNotes\_Combined\_04-24-1230.doc**.

**Some e-mail comments had been received from people not registered to the meeting and these maybe removed if they do not register before the close of the meeting today.**

S2-2002664 Postponed

S2-2002706 Saso (Intel) proposed way forward in 2706r10 PLUS2 :  
It uses r10 as a baseline, with the following two changes:

1. Removal of "X" in the DS-TT column in the PMIC (requested by Sebastian)

2. Addition of the following NOTE (based on discussion between Xiaowan and Jari):

NOTE: There has to be at least one established PDU session for DS-TT port before the UPF can report PMIC/BMIC information towards the AF. S2-2002706R10 plus additional changes. Revised to S2-2003260. Approved.

S2-2002783 Ericsson commented that TSN QoS container should be changed to TSC Assistance Container and **CRs S2-2003227, S2-2003033, S2-2003097 should be updated in the same way**. S2-2003033 was already uploaded so needed revision**.** S2-2002783 with this change approved. Revised to S2-2003261. Approved.

S2-2002784 TSN QoS container should be changed to TSC Assistance Container. S2-2002784 with this change approved. Revised to S2-2003262. Approved.

S2-2002785 TSN QoS container should be changed to TSC Assistance Container. S2-2002785 with this change approved. Revised to S2-2003263. Approved.

S2-2003033 TSN QoS container should be changed to TSC Assistance Container. S2-2003033 with this change approved. Revised to S2-2003264. Approved.

Nokia commented that S2-2003173R06 was approved and S2-2003259 should be marked approved.

Intel commented S2-2003258 will need a correction before uploading.

S2-2002740 Postponed.

S2-2002741 Noted.

S2-2002684 Based in R03 LGE had concerns on services supported and proposed to remove this part. Orange would like to remove 'in this release'. Updated text:  
Interworking with EPS is not supported for SNPN. Also, emergency services are not supported for SNPN. Furthermore, roaming is not supported for SNPN, e.g. roaming between SNPNs, roaming between SNPN and PLMN or PNI NPN. Handover between SNPNs, between SNPN and PLMN or PNI NPN are not supported for SNPN. S2-2002684R03 with this update was approved. Revised to S2-2003265. Approved.

S2-2002737 Objections from Qualcomm, Samsung, Ericsson and Nokia for R06. Objections from Huawei, MediaTek and Lenovo for R04. Noted.

S2-2002938 Huawei had an issue with R02. Noted.

S2-2002935 Noted.

S2-2002936 Noted.

S2-2002775 Noted.

S2-2002776 Noted.

S2-2002777 Noted.

S2-2002778 Noted.

S2-2002779 Noted.

S2-2002694 Nokia proposed removing the new text from the note from R02. Huawei disagreed and suggested approving R03. Neither were acceptable. Noted

S2-2003123 Samsung commented that this should not have been marked withdrawn, only the Rel-15 CR was withdrawn. Approved.

S2-2002749 Qualcomm had suggested postponing this CR. Huawei suggested approving R01 now to document the parameter and clarifying at the next meeting. Postponed.

S2-2002750 Huawei commented that the issues were not solved, and it needs to be postponed. Postponed.

S2-2002750 Postponed.

S2-2002609 Postponed.

S2-2002900 There were no comments and this was marked as approved. Qualcomm clarified that there were comment fields and changes on changes which needed cleaning. Revised to S2-2003266. Approved

S2-2003208 There was an objection to R02. Nokia can accept R02 with an update to the cover page in line with the discussion on the DISCUSSIONS e-mail list. Huawei agreed to make these changes. Revised to S2-2003267. Approved.

S2-2003208 Latest revision R02. Ericsson proposed postponing and Huawei proposed approving original version. Ericsson commented that there is no need for this as it is already covered. Noted.

S2-2002926 Latest revision R05. Samsung could acept R05 if it is acknowledged that the issue is not fully solved and this can be worked on also at the next meeting. Nokia commented that both R05 and R07 are incomplete and can accept R05 if changes to 6.1.3 are removed. Changes in 6.4.3 can be kept, but will need to be further worked on. CATT commented that R03 removes the 6.1.3 changes and includes the parameters. Samsung were no longer happy with their R03 due to changes made in other CRs and would like R05 with or without the changes to 6.1.3. Nokia suggested removing the changes to 6.1.3 and removing the reference to 6.1.3 in note 1.

R05 without changes to 6.1.3 and removing the reference to 6.1.3 in note 1. Revised to S2-2003268. Approved.

S2-2003043 Proposal to agree original version. There was an objection to this. Noted. Nokia commented that it is not worth working on this further at the next meeting.

S2-2003190 Asked if we can agree R23. Due to confusion on numbers, R08 should be the version to consider. CATT objected to R08 and suggested R19. ZTE would prefer a later version but would not object to R08. T-Mobile commented that there was a working assumption to exclude this from Rel-16. Nokia commented that there were some working assumptions on this topic. CATT commented that they would accept R08 rather than noting the CR. R08, with additional cosigners if needed, was agreed. Revised to S2-2003269. Approved.

S2-2003193 Can R09 be agreed. CATT asked for the additions of R14 or R16 to be included. There were objections to those revisions. R08 was agreed. Revised to S2-2003270. Approved.

S2-2002623 Postponed.

S2-2002772 Nokia could accept R04. Samsung could accept R06 in drafts folder. The SA WG2 Chairman commented that we should not add revisions after the deadline. Nokia suggested that an exception could be made to have an LS to SA WG1 on this. There were objections to R04. Noted.

S2-2002773 Noted.

S2-2002934 Noted.

S2-2002916 Noted.

S2-2002756 Qualcomm suggested agreeing R01. Huawei sustained their objection to this. Noted.

S2-2002833 MediaTek accepted this to be noted. Noted.

S2-2002834 Approved.

S2-2003028 It was clarified that there were no objections to R05. R05 was approved. Revised to S2-2003500. Approved.

S2-2002682 Nokia commented that Stage 3 response is need and asked if a revision can be agreed. This was left noted and the alternative response in S2-2002891 was considered.

S2-2002891 R02 was proposed for approval. There were objections to the answer to Q1.1. This was left noted.

S2-2003158 Intel commented that they cannot find how time synchronization is provided and suggested adding something to indicate that this is not specified by 3GPP and asked if this CR could be postponed instead. Noting the CR at this meeting will not prevent it being brought again.

S2-2002798 Nokia provided the following text for addition to R02: If SMF received a Port Management Information Container from the UPF, then SMF provides the Port Management Information Container to the PCF as described in clause 5.28.3.2 of TS 23.501 [2]. This should be added to the revision in S2-2003232.

S2-2002847 Ericsson commented that this will be discussed in CT WG1 and no SA WG2 CR is needed. Nokia objected to allowing this to be decided by CT WG1 without SA WG2 involvement. If this was agreed it should be communicated via an LS. This was left noted.

S2-2002844R02 Ericsson commented R02 should be updated with the 'not **always'** in Note 2: *"NOTE 2: In the case of SNPN, the AMF uses the selected NID provided by the NG-RAN together with the selected PLMN ID (from SUCI/SUPI) as the SUCI/SUPI does not always include the NID."* This was agreed and should be included in S2-2003550.

S2-2002911 OPPO asked whether clarification can be made in Rel-17. This should be discussed off-line and a Rel-17 CR used to introduce any changes.

S2-2002804 Samsung withdrew their objection to R03 is a small change will be made:   
*In the first sentence:  
the NWDAF subscribes -> the NWDAF may subscribe  
In the third sentence  
the NWDAF subscribes to data from SMFs per each specific UE -> for each UE in the list, the NWDAF retrieves the SMF serving the UE and the NWDAF subscribes to data from the relevant SMF per each specific UE.*

R03 with this modification was approved. Revised to S2-2003271. Approved.

S2-2002636 Postponed.

S2-2003020 Huawei provided a rR03 just after the revision deadline. The SA WG2 Chairman asked whether this was minor and could be added to R02. remove, "or Nsmf\_PDUSession\_Update Request". This should be included in the revision of R02 in S2-2003498.

S2-2002850R07 Nokia asked to make the following change to R07: "needs to be performed" should be replaced by "and". This was agreed and should be included in the revision S2-2003475.

## AOB

AT&T commented that there were problems with people sending last-minute comments after many days of moderated discussions while authors were off-line.

AT&T commented that the attendees list on the web site showed some attended and some not. MCC clarified that the attendance was being done manually and will be done again after the meeting for late registrations. The indication Face to Face or Online are dependent of registration options given and do not affect anything for these e-meetings.

**There are many cover sheet errors on cover sheets and these should be corrected before uploading revisions.**

Conference Call requests need to be provided to A Bennett (Samsung) by the end of day today: 24/04/2020.

# Closed: 24 April 2020, 17.35 CEST