**Notes of SA2#140E\_CC#2**

# Opened: 26 August 2020, 13.00 UTC = 15.00 CEST

~ 130 people attended the conference call

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

Apple

AT&T

Broadcom

BT

CATT

Charter

China Mobile

China Telecom

Cisco

Convida Wireless

Deutsche Telekom

Dish

DOCOMO

Ericsson

FirstNet

Frauenhofer

Futurewei

Huawei

Infoblox

Intel

Interdigital

ITRI

Lenovo

LGE

MediaTek

Mitsubishi

Motorola Mobility

NEC

Nokia

NTIA

NTT DOCOMO

Opennet

OPPO

Orange

Perspecta Labs

Qualcomm

Samsung

Sony

Tencent

T-Mobile USA

Toyota

Vivo

Vodafone

Volkswagon

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: A general list of issues to be discussed was distributed by the SA WG2 Chairman:

# Agenda:

# 1. Review documents marked as "For CC#2" in combined chairman's note

TD S2‑2004772 (LS In) LS from RAN WG3: LS on AS rekeying handling (RAN WG3 (R3-202833))

**Discussion and conclusion:**

Final response in TD S2‑2005909.

TD S2‑2005406 (LS OUT) [DRAFT] Reply LS on AS rekeying handling (Huawei)

**Discussion and conclusion:**

S2‑200540r01 was agreed. Revised in TD S2‑2005909, which was approved.

TD S2‑2006180 (LS OUT) [DRAFT] Reply LS on Updated User Plane Integrity Protection advice (Samsung R&D Institute India

**Discussion and conclusion:**

This LS was approved.

TD S2‑2005057 (CR) Correction of Alternative QoS Profile handling (Huawei, HiSilicon)

**Discussion and conclusion:**

Huawei commented that they would like to further update R08 and could not accept the proposed R03. Ericsson had objected to R08. Vodafone commented that there are important changes in R03 which are not in R08. This was then noted.

TD S2‑2006194 (CR) Introducing new V2X service type (CATT, CAICT, China Mobile, Huawei, HiSilicon, ZTE, Qualcomm Incorporated)

**Discussion and conclusion:**

Ericsson commented that the earlier Releases should not be updated and proposed only to update from Rel-16. Nokia agreed that pre-Rel-16 TSs should not be updated for this and a note added to the CR that this can apply for earlier Releases. Nokia suggested discussing for the next meeting, adding a reference to an annex stating how the V2X identifiers can used in different regions. The SA WG2 Chairman suggested further considering this and returning to this at the next meeting. CATT commented that there was already support for the Rel-16 CR and suggested this is approved and other issues further discussed. Nokia preferred doing it with a single CR at the next meeting. Huawei commented to consider Rel-16 CR at this meeting. Qualcomm commented to consider Rel-16 CR at this meeting. This Rel-14 CR, along with the Rel-15 mirror CR TD S2‑2006195 were withdrawn.

TD S2‑2006195 (CR) Introducing new V2X service type (CATT, CAICT, China Mobile, Huawei, HiSilicon, ZTE, Qualcomm Incorporated)

**Discussion and conclusion:**

This CR was withdrawn.

TD S2‑2006196 (CR) Introducing new V2X service type (CATT, CAICT, China Mobile, Huawei, HiSilicon, ZTE, Qualcomm Incorporated)

**Discussion and conclusion:**

This was agreed with a note in the other comments part of the coversheet - “These changes are compatible to the earlier releases”. This was revised in TD S2‑2005912, which was approved.

TD S2‑2004843 (CR) 5G-RG indicating over 5G NAS whether it supports ATSSS over EPC (Nokia, Nokia Shanghai Bell).

**Discussion and conclusion:**

Nokia suggested sending an LS to BBF before continuing with this CR. This was postponed

TD S2‑2005499 (CR) Further corrections to SGC handling (MediaTek Inc.)

**Discussion and conclusion:**

This was accidently marked Withdrawn in the TD lists. It was decided to move this to a new AI 4.2 for miscellaneous items.

TD S2‑2004797 (LS In) LS from CT WG1: LS on UE initiated Event Reporting Procedure for Low Power Event Reporting and Triggered 5GC-MT-LR (CT WG1(C1-204046))

**Discussion and conclusion:**

This was postponed.

TD S2‑2004898 (CR) Correction to Bulk Operation (Ericsson)

**Discussion and conclusion:**

Ericsson suggested using R08. This was generated after the deadline. Nokia commented that they had some concerns with the current proposals. This CR was postponed.

TD S2‑2004897 (LS OUT) [DRAFT] LS Response on Bulk operation of LCS-service (Ericsson)

**Discussion and conclusion:**

It was commented that this LS can still be sent to CT WG4, without the attached CR (which was postponed) in order to facilitate CT WG4 work to progress. Ericsson commented that sending an LS will still be useful for CT WG4. This was moved to new Agenda Item 4.2.

TD S2‑2005120 (LS OUT) [DRAFT] Reply to LS on Support of Dual Connectivity end to end Redundant User Plane Paths'. (Ericsson)

**Discussion and conclusion:**

This was noted and the incoming LS in TD S2‑2004933 was postponed.

TD S2‑2005121 (CR) Indication of redundancy transmission (Ericsson)

**Discussion and conclusion:**

This CR was noted.

TD S2‑2005122 (CR) Indication of allowed redundancy transmission in the subscriber profile (Ericsson)

**Discussion and conclusion:**

This CR was noted.

TD S2‑2005123 (CR) Policy control for redundant transmission for URLLC (Ericsson)

**Discussion and conclusion:**

This CR was noted.

TD S2‑2004879 (LS OUT) [DRAFT] LS Response on Clarification on AAA-Server address (Ericsson)

**Discussion and conclusion:**

Huawei commented that they did not agree to making such non-FASMO changes to SA WG2 TSs in response to LSs. Ericsson replied that this was in response to changes made in SA WG3 TSs and is an alignment. Huawei commented that the current SA WG2 functionality is working. This LS was then noted. (The CRs in TD S2‑2004877, TD S2‑2004878 were also noted).

TD S2‑2005477 (LS OUT) [DRAFT] Reply LS on Clarification on AAA-Server address (Huawei, HiSilicon)

**Discussion and conclusion:**

This LS was noted.

TD S2‑2006494 (CR) Registration procedure across ePLMNs (Qualcomm Incorporated)

**Discussion and conclusion:**

Vodafone commented the TD S2‑2004819r03 was provided after the revisions deadline based on further discussions. This revision was preferred and was agreed. The Revision of this in TD S2‑2006494 was then approved.

TD S2‑2006495 (CR) Mobility procedure across ePLMNs (Qualcomm Incorporated)

**Discussion and conclusion:**

Qualcomm provided TD S2‑2004820r01 after the revisions deadline based on further discussions. This revision was preferred and was agreed. The Revision of this in TD S2‑2006495 was then approved.

TD S2‑2005152 (CR) Clarify the time synchronization figure (ZTE)

**Discussion and conclusion:**

There were disagreements on the preference for revisions r01 and r02. Ericsson reported that the figure in r02 is correct and would accept a clarifying text to the main principles. Nokia commented that there should be no clock behind the UPF and believed the figure should be corrected. This has been discussed for 3 meetings with no agreed way forward. Ericsson commented that the architecture is correct for Rel-16, this can be further discussed for Rel-17. This CR was noted.

TD S2‑2005226 (CR) Change port ID on the DS-TT to DS-TT port number (Tencent)

**Discussion and conclusion:**

Intel pointed out that replacing *Port ID* with *Port number* is not a FASMO change, but do not specifically object to this CR. SA2 Chairman commented that these types of editorial corrections can go into the 'mega' CR on collected Rel-16 editorial clean-ups. This CR was noted.

TD S2‑2004863 (CR) Human readable name for SNPN (Ericsson)

**Discussion and conclusion:**

S2‑2004863r03 was the latest proposal. Qualcomm suggested including the references to 22.261 and 23.122. S2‑2004863r03 with an added reference to 22.261 was agreed. This was revised to TD S2‑2005910, which was approved.

TD S2‑2005573 (LS OUT) [DRAFT] Reply LS on human-readable network name (HRNN) (Ericsson)

**Discussion and conclusion:**

S2‑2005573r02 was agreed. This was revised to TD S2‑2005911, which was approved.

TD S2‑2005724 (CR) Include NID in NSSF services (Nokia, Nokia Shanghai Bell)

**Discussion and conclusion:**

Nokia commented that this is necessary for network sharing and MBMS and is considered FASMO. Huawei objected to this modification for Rel-16 and for Rel-17 there will be a parameter for the roaming cases. This CR was postponed. Ericsson asked for companies to discuss this off-line before the next meeting.

# 2. (Review any documents where objections are withdrawn)

TD S2‑2005888 (CR) Delay clarifications including IEEE LS input clarifications (Ericsson)

**Discussion and conclusion:**

Huawei requested re-discussing and reconfirming the agreement of S2‑2004908r06 at this CC, as they could only accept r02 or r03. Ericsson suggested removing the notes on preconfigured time in the notes from r06 to satisfy Huawei’s concerns. This was agreed and S2‑2004908r06 with the annex changes removed was agreed. This was revised to TD S2‑2005888, which was approved.

TD S2‑2005465 (CR) Clarification to RAN sharing options involving NPNs (Intel)

**Discussion and conclusion:**

This was not considered FASMO and should be a candidate for adding to the Rel-16 'mega' clean-up CR. This was then noted and the allocated revision in TD S2‑2005905 was withdrawn.

TD S2‑2004851 (CR) Removal of editor's note (Nokia, Nokia Shanghai Bell, Ericsson, Telecom Italia)

**Discussion and conclusion:**

This was incorrectly marked as noted in the notes but had received no comments. This CR was approved.

TD S2‑2005607 (CR) Manual CAG selection clarification (Huawei, HiSilicon)

**Discussion and conclusion:**

There were objections to this CR and it remained noted.

TD S2‑2005439 (CR) Clarification on Analytics Exposure (CATT)

**Discussion and conclusion:**

Nokia and Ericsson withdrew their objections to r02. S2‑2005439r02 was agreed and revised to TD S2‑2005913, which was approved.

TD S2‑2005117 (CR) Time in trajectories of Expected UE Behaviour (Ericsson)

**Discussion and conclusion:**

S2‑2005439r07 with additional corrections was agreed and revised to TD S2‑2005914, which was approved.

# 3. (New TD Allocation for LS Out)

TD S2‑2005876 (LS In) LS from SA WG5: LS on dynamic 5QIs (SA WG5 (S5-204443))

**Discussion and conclusion:**

This LS will be added to new AI 4.2. Intel requested new number for LS Out which will be provided offline.

TD S2‑2005078 (LS OUT) [DRAFT] Reply LS on assistance indication for WUS (Qualcomm Korea)

**Discussion and conclusion:**

A revision was allocated for this to clean up the LS in TD S2‑2006499, which was approved.

# 4. (How to handle new incoming LSs received during the e-meeting)

New incoming LS received during the meeting will be added to new AI 4.2.

# 5. (AoB)

Not handled due to lack of time.

# Closed: 26 August 2020, 15.20 UTC = 17.20 CEST