Minutes of ISAC pre#159 CC

**Date & Time:** UTC 13:00 to 15:00, Sep 22nd, 2023

**Attendees (73):**

Sherry Shen (Moderator)

Jianning (Xiaomi)

Scott-Inspur

Dongeun Suh (Samsung)

Xiaobo Wu

oppo-yaxin wang

LiMeng (Huawei)

chunhui zhu

Huiqing Sun - China Mobile

Tony Saboorian

Lizhuo LZ4 Zheng

LaeYoung (LGE)

Sang-Jun (Samsung)

vivian

Richárd Bátorfi

ABHISHEK, ROHIT

Lufeng.Han (Spreadtrum)

Murhammer, Leopold

Yuan Tao\_CATT

OPPO-Yali Guo

Lianhua Zhang(Asiainfo)

Anuj Sethi

Stojanovski, Saso

Abbas Kiani

Mengzhen Jian - CTC

Fangyuan Zhu (Huawei)

Scott-Inspur

Apostolis Salkintzis

Mehrdad Shariat

Genadi Velev

Jaewoo Kim - LGE

Hong Cheng

Martin Hans

Li Aihua - CMCC

zhendong - zte

Pallab Gupta (Nokia)

Susan Shi

Hyesung Kim (Samsung)

Michael Starsinic

张鹏飞-CMCC

Hongsuk Kim - LGE

Jung Je Son

Ihab Guirguis

Guanglei(Huawei)

Ellen Liao (Guest)

OPPO-Yaxin Wang

Haiyan HY7 Luo

Zhang Fu (Huawei) (Guest)

Hongsuk Kim - LGE

Shan, Chang Hong

Ling Zhang (Siemens)

Zhuoyun Zhang- Tencent

Tencent - Lei Yixue

Hongsuk Kim - LGE

Dan Wang(China Mobile)

Susan Shi

Wanqiang

Amanda Xiang

Chi REN - China Unicom

Bhangu, Manmeet | RMI

Tencent-Yuhang

Ravi Shekhar (ravishek)

Patrice Hédé (Huawei)

Susan Shi

Qing Wei (Guest)

Wanqiang

Qianghua-huawei

Dan Wang cmcc

LiMeng

Pengxiang Xie

LiMeng (Huawei)

Hegde Sudeep (AE/PRM-IC1)

Dees, Walter

# Open Issue Discussion

**4. Whether mobility and service continuity for periodic and triggered ISAC service is in scope of the R19 study?**

Most of the companies thought the SA1 requirement on service continuity may be differently interpreted in SA2, thus the clarification on “service continuity” should be agreed first. Several versions were proposed which are potentially considered as the starting point for further wording improvements, e.g.:

* Study whether and how to enable uninterruptedly providing the sensing service when the tracked target is moving (HW)
* supporting a continuous sensing session at 3GPP defined layer for an object moves between sensing areas of different sensors“ (QC)

Many companies thought WT-5 on “service continuity” is in low priority, thus should be removed; however, many other companies thought it is essential or may be essential depending on what it means to SA2.

Some companies thought “service continuity” is only meaningful for “UE based Sensing”, so WT-6 will be removed as long as “UE based Sensing” is not considered.

**Proposed way forward:**

* Agree on the definition of service continuity first before making any decision, and the discussion will be continued.

**5. Whether TR only or TR+TS work is developed in Rel-19?**

Some companies prefer “TR only” while some other companies prefer “TR+TS”.

**Proposed way forward:**

* Keep 2 options open until Dec. plenary meeting to make the decision based on RAN agreements.
* For SA2#159 & SA2#160, 2 SID versions may be submitted. On the SID of “TR+TS”, down scoping & TU updates are expected.
* For SA#102, one SID version will be submitted.

**6. Whether reusing/enhancing/referring to existing functionalities is assumed?**

Most of the companies believe no restriction on reusing/enhancing/referring to existing functionalities should be stated in the SID and it will be considered for solution evaluation, while some other companies thought it is necessary to state in the SID for the benefit of solution convergence.

**Proposed way forward:**

* No statement is needed in the SID to restrict solutions.

# WT Discussion

**Option 1: TR+TS**

Several down scoping options were proposed, e.g.:

* only consider “network/gNB based sensing”
* only consider “Monostatic sensing”
* reduce WT-6

Alignment with RAN will be considered on Dec. plenary meeting.

Due to time limit, no agreement was reached, discussion will be continued.

**Option 2: TR only**

No discussion due to time limit; further discussion will be continued.

# AP

The following 2 versions of the SID proposals will be used as the starting point for any further updates, e.g. WT wording, TU estimation, time schedule…:

* **Option 1: TR+TS in R19:** <https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_159_Xiamen_2023-10/INBOX/DRAFTS/R19%20SID%20ISAC/S2-23abcde_was_SP-231087_was_S2-2309916_was_8422r05_new%20SID%20ISAC_ARC_Option%201.docx>
* **Option 2: TR only in R19:** <https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_159_Xiamen_2023-10/INBOX/DRAFTS/R19%20SID%20ISAC/S2-23abcde_was_SP-231087_was_S2-2309916_was_8422r05_new%20SID%20ISAC_ARC_Option%202.docx>

Since work scope of Option 1 and Option 2 may vary, it is encouraged by the moderator that any further comment to the WT and TU estimation should be proposed per Option, i.e. stating whether the proposed WT wording update / TU update is for Option 1 or Option 2 or both. Moderator will track the comments and revise the SID per Option accordingly.