

3GPP TSG SA#101

Bangalore, India – September 11 – 15, 2023

SP-231062

Agenda Item 7.4

Release 19 Status - SA2

MediaTek Inc.

Release 19 Status from SA2#158

- **General**
 - SA2#158 did not agree on any Rel-19 SIDs.
 - 7(+1) short listed SIDs marked as Endorsed as a basis for further work.
 - SA#101 to determine if any items can be approved to start in Q4.
- **NTN (Satellite) Arch Enhancements ([SP-231043*](#)) | 14 TUs :**
 - Supportive of WT-1 (Regen Payload Arch) and WT-2 (S&F).
 - Scope of WT-3 (UE-Sat-UE comm.) seems rather wide
- **XR Enhancements ([S2-2310035](#)) | 14 TUs:**
 - Supportive of WT-2 (QoS Enhc.), WT-7 (Enh. NW Exposure)
 - Scope of WT-1 and WT-4 are rather vague/wide and need to be clarified.
- **AI/ML Enhancements ([S2-2310034](#)) | 14 TUs :**
 - Supportive of WT-1 (cross-domain coordination)
 - Notes on WT-1 restrict any study before RAN conclusion. This is a major risk factor for the integrity of whole study.
 - Exact scope of WT-2 is very unclear (esp. motivation for use cases listed never justified).
 - Scope of WT-3 is subject to interpretation of what is expected from Robust and Resilient Core.
- **Ambient IoT ([S2-2310033](#)) | 24 TUs :**
 - The scope to be adjusted considering topologies and device types from RAN.
 - The study scope should be significantly reduced if a work item to be included.
- **Energy Efficiency as a Service ([S2-2310031](#)) | 13 TUs:**
 - Supportive of scope on WT1 (network energy consumption exposure), WT2 (enhancement for subscription and policy control).
 - Scope of WT3 seems rather wide (analytics, interactions with RAN...)
- **NG RTC + IMS Enhancements ([S2-2310028](#)) ([S2-2310029](#)) | 16+2 TUs:**
 - Some WTs (WT1, WT5, WT6) may require much more TUs than what has been estimated.
 - More clarification needed on TEI-19s that might be generated for aspects related to emergency and priority services.
- **Multi-access ([S2-2310032](#)) | 14 TUs:**
 - The scope seems an amalgam of two independent studies one on DualSteer and another ATSSS Phase-4 (Light ATSSS). Not clear how the two can be fit in a single SID or even in a single release cycle.
 - The requirements and use cases for DualSteer is not clear (WA from SA1# 103 under challenge).

MediaTek Rel-19 View

- 7 (+1) Endorsed Rel-19 SIDs

- NTN Arch Enhancements (S2-2310027 > [SP-231043*](#)) | 14 TUs
- XR Enhancements ([S2-2310035](#)) | 14 TUs
- AI/ML Enhancements ([S2-2310034](#)) | 14 TUs
- Ambient IoT ([S2-2310033](#)) | 24 TUs
- Energy Efficiency as a Service ([S2-2310031](#)) | 13 TUs
- NG RTC + IMS Enhc. ([S2-2310028](#)) ([S2-2310029](#)) | 16 + 2 TUs
- Multi-access ([S2-2310032](#)) | 14 TUs

- Observations

- The 7 (+1) SIDs would occupy more than 80% of total Rel-19 TUs
- Some SIDs already go beyond 14 TUs
- Other SIDs do not have realistic estimates: Some WTs require substantially more effort / TUs
- Q4 2023 can not accomodate 7(+1) Rel-19 SIDs together.

- MediaTek recommends

- SA plenary to adjust the scope for any endorsed SIDs before any approval is feasible.
- SA to determine items to be scheduled in Q4 2023.
- SA to decide the status of remaining items that can not be scheduled in Q4 2023.
- SA to clarify whether items (out of 7) not approved and not scheduled for Q4 to continue having any moderated discussions in Q4 2023.
- SA to clarify how items (out of 7) not approved and not scheduled for Q4 would be assessed versus other remaining 10+ candidate items in Q4 2023.

Thank You!