Xiaomi's views on SA4's :
Release 20 planning
6G planning
working procedures

Outline

1. **SA4 relevance for Xiaomi**

2. **Remarks on process for WI and SI**

3. **Rel-20 planning**

4. **6G vision**

SA4 relevance for Xiaomi

■ **This is THE most known multimedia SDO for us. 3GPP is even more important than ISO.**

■ **We don't think SA4 requires more promotion outside of 3GPP (it is well known already). Promotion withing 3GPP is another story...**

■ **Our opinion about successful projects**
- Audio codecs (AMR-WB, EVS, IVAS) and Audio testing (ATIAS)
- IMS led to several useful projects : VoLTE, VoWIFI, RCS, ...
- eMBMS / LTE Broadcast, 5G Broadcast
- Study on video codecs (FS_5GVideo), TV video profiles, HEVC profiles, ...

■ **Rel-19 important topics and concerns**
- Audio : ATIAS, IVAS, *DaCED*/DaCAS
- Video : VOPS, *FGS*
- Delivery : *Advanced Media Delivery*
- concerning studies : *MediaEnergyGreen, Beyond2D*

Remarks on process for WIs and SIs

■ **Observations**

- The SA4 group seems eager to work on (too) many topics. Time is limited.
- Studies have ben misused as a mean to promote technology. This should be avoided and we should organize ourselves together to avoid this.
- Prioritization process should be improved
  - When and how prioritization is done ?
  - Not happy with the results of prioritization in Rel-19 : too many SIDs with no normative follow-up work. SA4 credibility could be at risk.
  - Some (prioritized) studies were supported by only a very limited number of companies present and active in SA4. One was even submitted only for information but was accepted.
  - Market relevance is sometimes simply ignored.
- Collaboration with other SAx WGs is limited and SA2 occasionally runs topics for which expertise is primarily in SA4.

Remarks on process for WIs and SIs

■ **Recommendations**

- Studies should only aim at identifying missing technology or evaluating competing technologies and should not be driven by an external technology choice.

- Market relevance here is essential and it should be taken into account during topics prioritization. Companies should be encouraged to talk in favor or against market relevance. Silence is always assumed as support.

- We need more industry support in SA4 and stronger collaboration between manufactures and operators. How about some feedback about deployments?

- Maintain essential balance between market relevant WIDs and innovative SIDs with no clear normative follow-up work.

- Identify SA4 opportunities from other WGs activities. More presence in SA/SA1.

- Identify overlaps with other WGs and bring the issue to SA with strong support of SA4 members. SA2 represents 80% of SA delegates.

Rel-20 planning

- **Market relevance**

- **Market relevance**

- **Market relevance**

- **Market relevance**

- **Studies**

Rel-20 planning - Prioritization

- **Need for a clear and advertised prioritization process**

- **Market relevant WIDs**

- **Market relevant SIDs**

- **SIDs with expected normative follow-up work**

- **Long term studies with no clear normative work expectations**

Rel-20 planning – possible topics

- **IVAS enhancements/enablers**

- **Address new devices : wearables, cars ?**

- **QUIC and media delivery**

- **Video codec study ?**

- **Content authenticity, traceability ?**

- **Satellite ? Audio codec ? Anything else ?**

6G vision

■ **Race for 6G in China is quite intense.**
- radio technologies
- new services
- BUT nothing clear for multimedia
  - some SA1 topics (e.g. Sensing, Immersive communication,…) may create opportunities

■ **It is our duty as SA4 members to build a 6G vision**
- We need to answer the question "what does SA4 do for 6G?" in simple terms

■ **Possible directions**
- new multimedia usages (AI) introduce new threats
- ultra low latency multimedia streaming

Innovation for everyone