

SA Rel-18 Workshop
September 9-10, 2021

GRUPPO TIM

TIM view on Release 18 SA2 package

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SP-210611

General considerations

- An initial list of Focus Areas has been identified based on a rough categorization of the discussed Rel-18 SA2 SIDs
- A need for a hard consolidation/prioritization of these Areas is anticipated
 - Assuming Release 18 duration is set at 18 months, and
 - Release 17 stage 2 likely to eat-up residual 2021 SA2 capacity

- AI/ML
- Net. Automation
- 5G Architecture
- Drones
- Edge
- Industry
- NPN
- Multicast
- New Comm. Capabilities
- Positioning
- ProSe
- Ranging
- Satellite
- Slicing

- Essential Focus Areas for TIM are identified based on observed market trends



see following slide

- Warning: Increasing gap between release process and existing deployments
 - Enhancements of features not yet deployed should be avoided, waiting for feedbacks from deployed networks



- E.g., URLLC/TSN for IIoT, SNPN, Network Slicing have been worked upon for over 2 Releases now, but no feedback received yet from field implementations
- No priority can be expressed on those items which still lack an e2e ecosystem maturity



TIM view on Release 18 essential Focus Areas

Consumers



- “Connectivity” as the new main need (10x video communications in 2020)
- The “house” role & value changed becoming the center of everything (remote working, TV/Cloud Gaming, Smart Home, ...)
- Change in customers habits **inverted fixed-to-mobile substitution trend**

Verticals

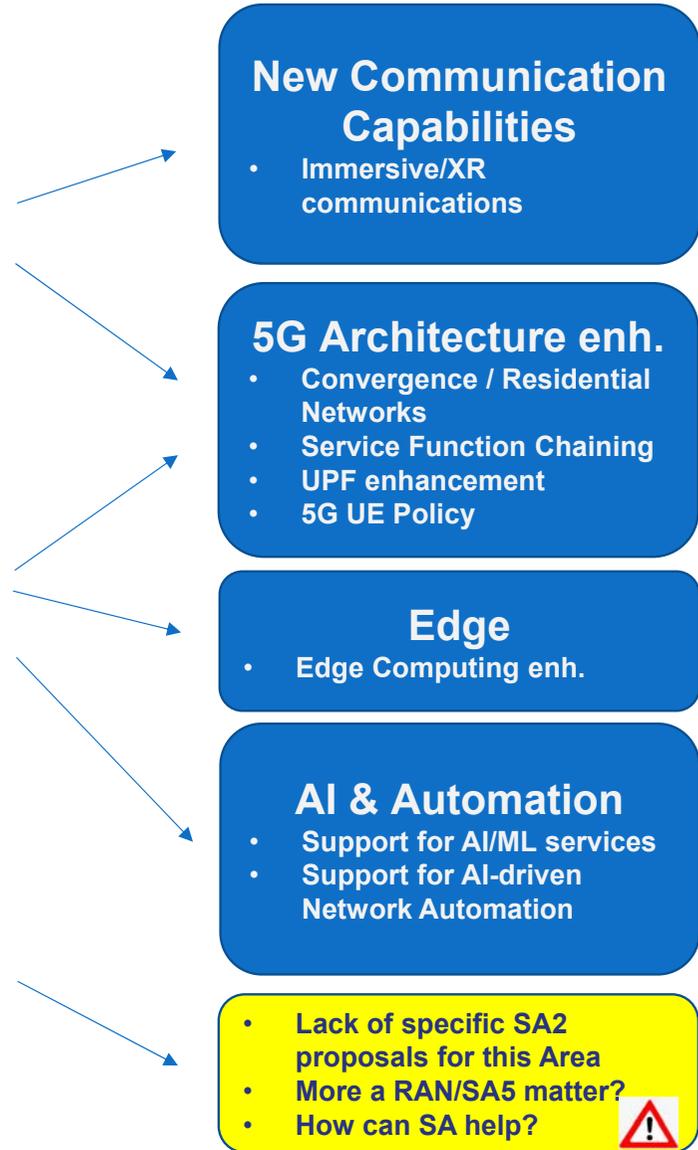


- Public funding will **boost connectivity / digital services** (Schools, Public Administration, SMEs, Culture & Tourism, ...) posing new challenges for Telcos
 - More demand for data processing capabilities “at the **edge**” for security, privacy and resilience. See also GSMA OPG initiative.
 - Improved **operations** (e.g., AI-assisted network automation and policy configurations)
 - **AI** to enhance customer experience

All MKT sectors



- **Green** transition: support climate action and emissions reduction
- Support Telcos journey towards **carbon – neutrality**
 - Define KPIs based on energy efficiency to be associated to any new proposal (?)
 - Use case for AI-assisted energy savings (?)
 - WID/TR template update to reflect contribution to “Green Transition” (?)





Thanks

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