



Data source: SP-230382

Functional Freeze date

## Rel-19 takes shape (TSG RAN)

### Major topics:

AI/ML Air Interface, MIMO Ev., Duplex Ev., Ambient IoT, Network Energy Saving Enh., Mobility Enh., NTN Ev., XR Ev., AI/ML for NG-RAN, SON/MDT, Channel Modeling (& possibly additional aspects e.g. for ISAC) for further Ev.

Plus, other RAN1, RAN2 & RAN3 led topics.

Plus, others listed in **RWS-230488** slide 7.



## Technical Specification Groups

### TSG RAN – Radio Access Network

- RAN1 – Radio Layer 1 (Physical Layer)
- RAN2 – Radio Layer 2 and Radio Layer 3 RRC
- RAN3 – UTRAN/E-UTRAN/NG-RAN Architecture and Related Network Interfaces
- RAN4 – Radio Performance and Protocol Aspects
- RAN5 – Mobile Terminal Conformance Testing
- RAN AH1 – TSG RAN ITU-R Ad Hoc

### TSG SA – Service and System Aspects

- SA WG1 - Services
- SA WG2 - System Architecture and Services
- SA WG3 - Security and Privacy
- SA WG4 - Multimedia Codecs, Systems and Services
- SA WG5 - Management, Orchestration and Charging
- SA WG6 - Application Enablement and Critical Communication Applications

### TSG CT – Core Network and Terminals

- CT WG1 - User Equipment - Core Network Protocols
- CT WG3 - Interworking with External Networks & Policy and Charging Control
- CT WG4 - Core Network Protocols
- CT WG6 - Smart Card Application Aspects



## TSG SA Guidance to SA2 on Rel-19 work planning

### Headline “core” topics:

Satellite Access, Energy Efficiency / Energy Saving as a Service, XRM and Metaverse, IMS and NG\_RTC enh.

(SP-230765, SP-230759)

