

Rel-20 planning meeting

Considerations on time allocation and
topics to be driven in SA3

NOKIA

Timelines and allocations

- Within Rel-20 timeframe, 5G-Adv (last significant 5G-Adv release) and 6G study(-ies) will run in parallel.
- We expect 6G to be more time consuming than 5G-Adv, i.e., more focus on 6G vs. enhancing/adding new features in 5G-Adv.
- We expect 5G-Adv to be kept reasonable by limited number of items: completion of items started in previous releases, TEs, 5G items foreseen to be continued in 6G.
- Exact split of TUs in % can be estimated after first Rel-20 discussions in upcoming SA plenary in Dec 2024.
- SA3 should start the work on items without major dependencies on other WGs during Q22025

Topics to be driven in SA3

Proposals for Rel-20 5G Advanced:



Proposal 1: PQC adoption in 5G

- Impacted protocols and adaptations of existing specifications
- Evaluation of performance and security aspects
- Evaluation of hybrid schemes, i.e., coexistence of PQC/Non-PQC



Proposal 2: Full-fledged adoption of 256-bit algorithms

- Introduction of standalone algorithm code points
- Impact analysis in inter-RAT
- Study of AEAD mode