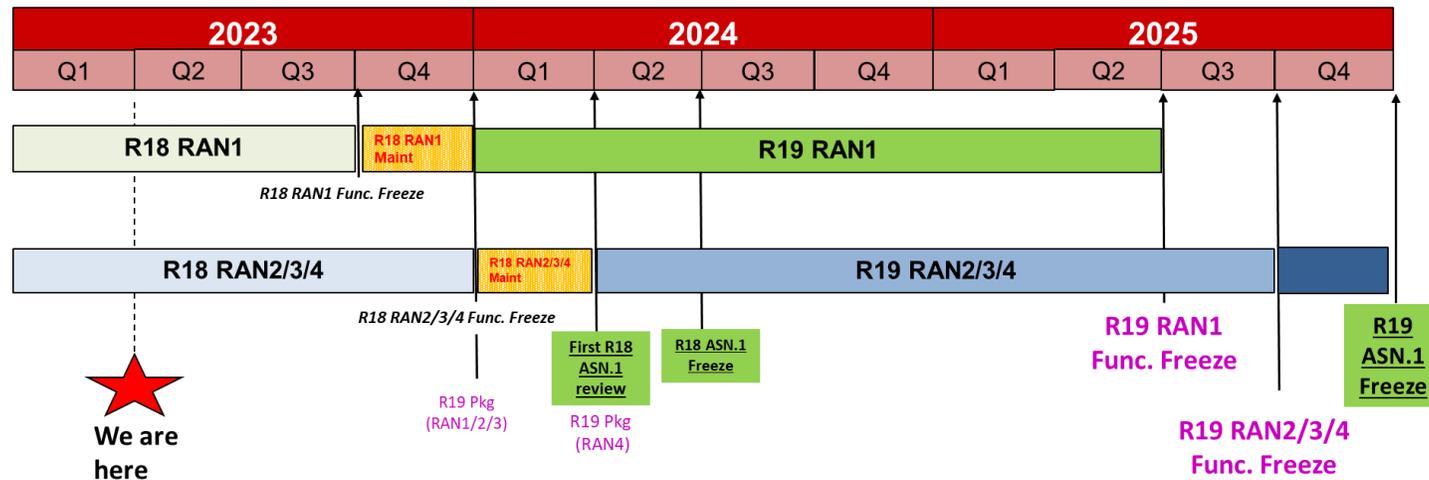


# High Level Overview on Rel-19

# Timeline for Rel-19

We emphasize that there should be no delay in Rel-19 timeline in any manner.

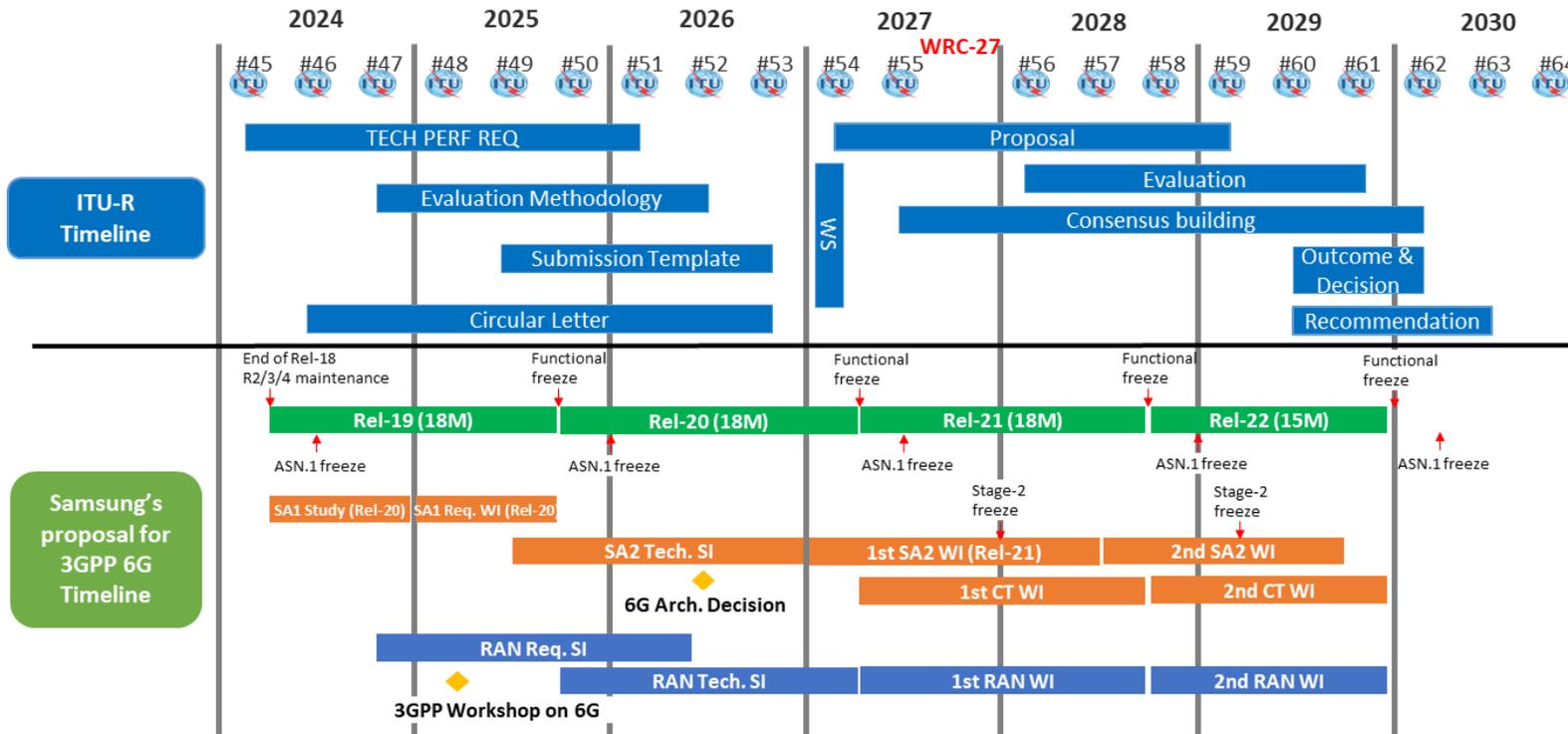


Rel-19 timeline agreed in RAN#99 (from RP-230050)

- Rel-19 scope should be defined to have TU buffer for handling of the unexpected workload increase.
  - Per-meeting TU should be planned assuming reasonable closing time during the meeting week.
  - TU buffer can be distributed during the whole duration of Rel-19 or only in the last quarter (i.e., Q2-2025 in R1 and Q3-2025 in R2/3/4).
- No dedicated maintenance period after the functional freeze.
- To avoid extension beyond the functional freeze date, hard decisions have to be made to drop uncompleted components.

# 6G Timeline for Consideration in Rel-19 Planning

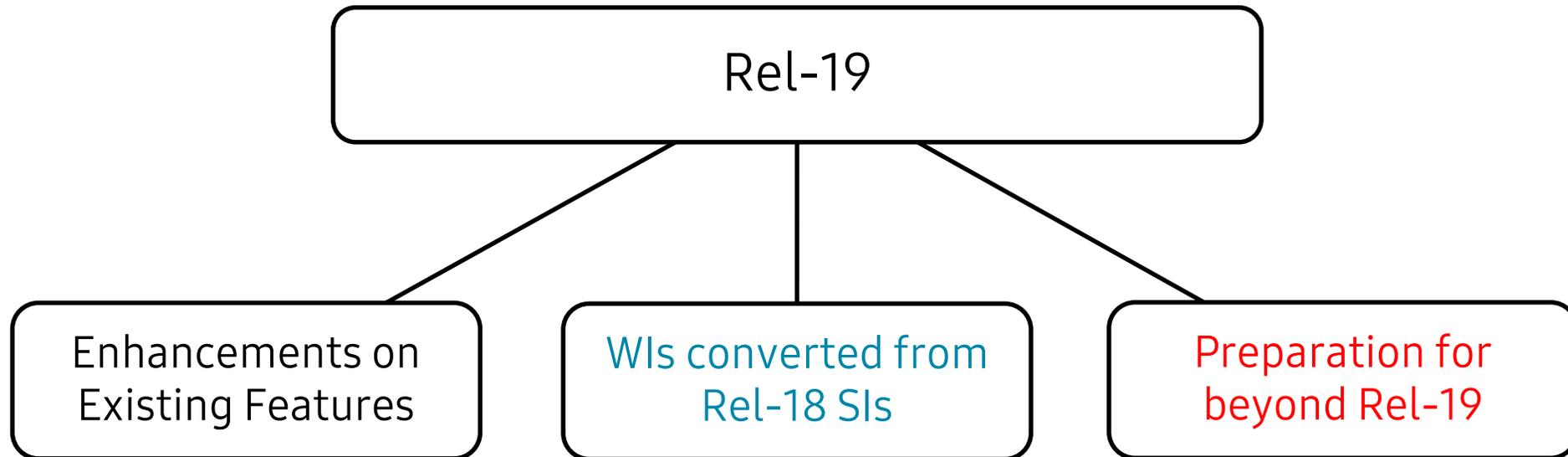
Preparatory works for 6G have to be taken into account in designing Rel-19 package.



- Early 6G commercialization assumed to be around 2H-2029 or 2030
- Submission of two releases to ITU-R, i.e., Rel-21 for eMBB with basic functions and Rel-22 for other features

# Work Categories for Rel-19

Major focus on features for deployments in 5G NR networks while including the minimum amount of work to prepare for beyond Rel-19.



# Proposed Rel-19 Package (RAN1/2/3-led and RAN-led)

## RAN1-led

- MIMO enhancement [RWS-230207]
- Network energy saving enhancement [RWS-230208]
- NTN enhancement [RWS-230220]
- Duplex evolution [RWS-230209]
- AI/ML for PHY [RWS-230210]
- LP-WUS/WUR [RWS-230211]
- Study on channel model for FR3 [RWS-230212]
- Study on channel model for ISC [RWS-230221]

## RAN-led

- Study on scenarios and requirements for 6G [RWS-230219]

## RAN2-led

- Mobility enhancement [RWS-230213]
- UAV/UAM enhancement [RWS-230214]
- High-speed packetization [RWS-230215]
- XR enhancement [RWS-230222]
- SL relay for multi-hop support [RWS-230223]

## RAN3-led

- SON/MDT enhancement [RWS-230216]
- QoE enhancement [RWS-230217]
- Study on AI/ML for NG-RAN - new use cases [RWS-230218]
- Study on NR support for Femto