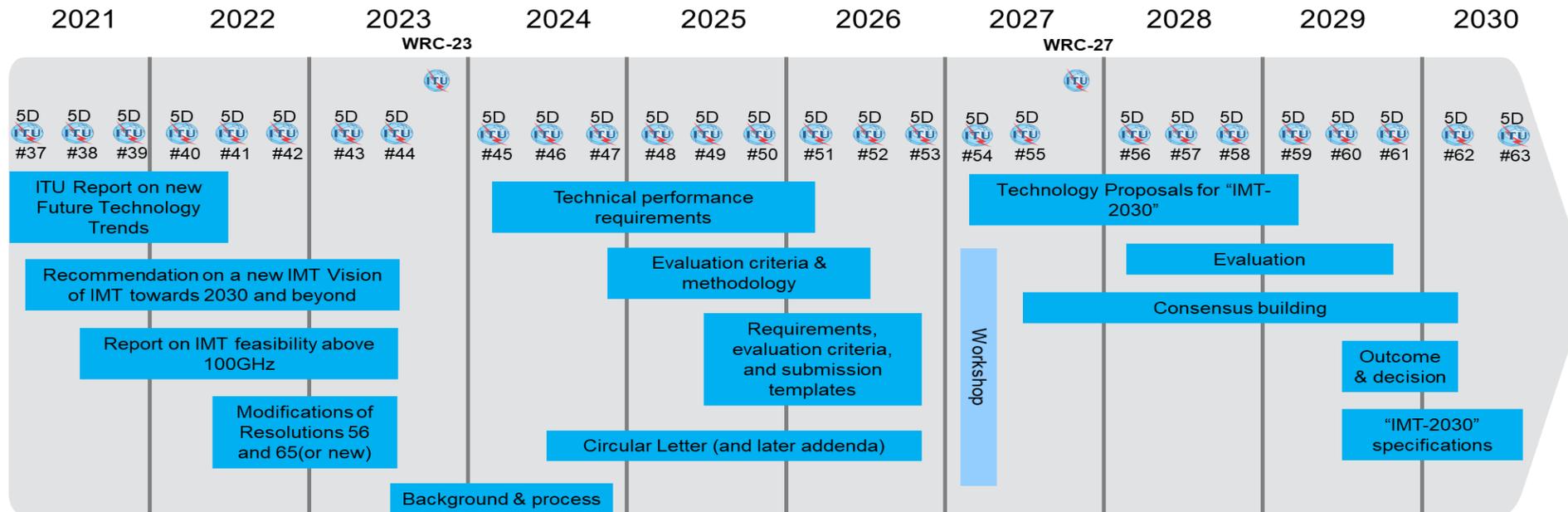


Study on Scenarios and Requirements for 6G

ITU-R WP5D Timeline for IMT-2030

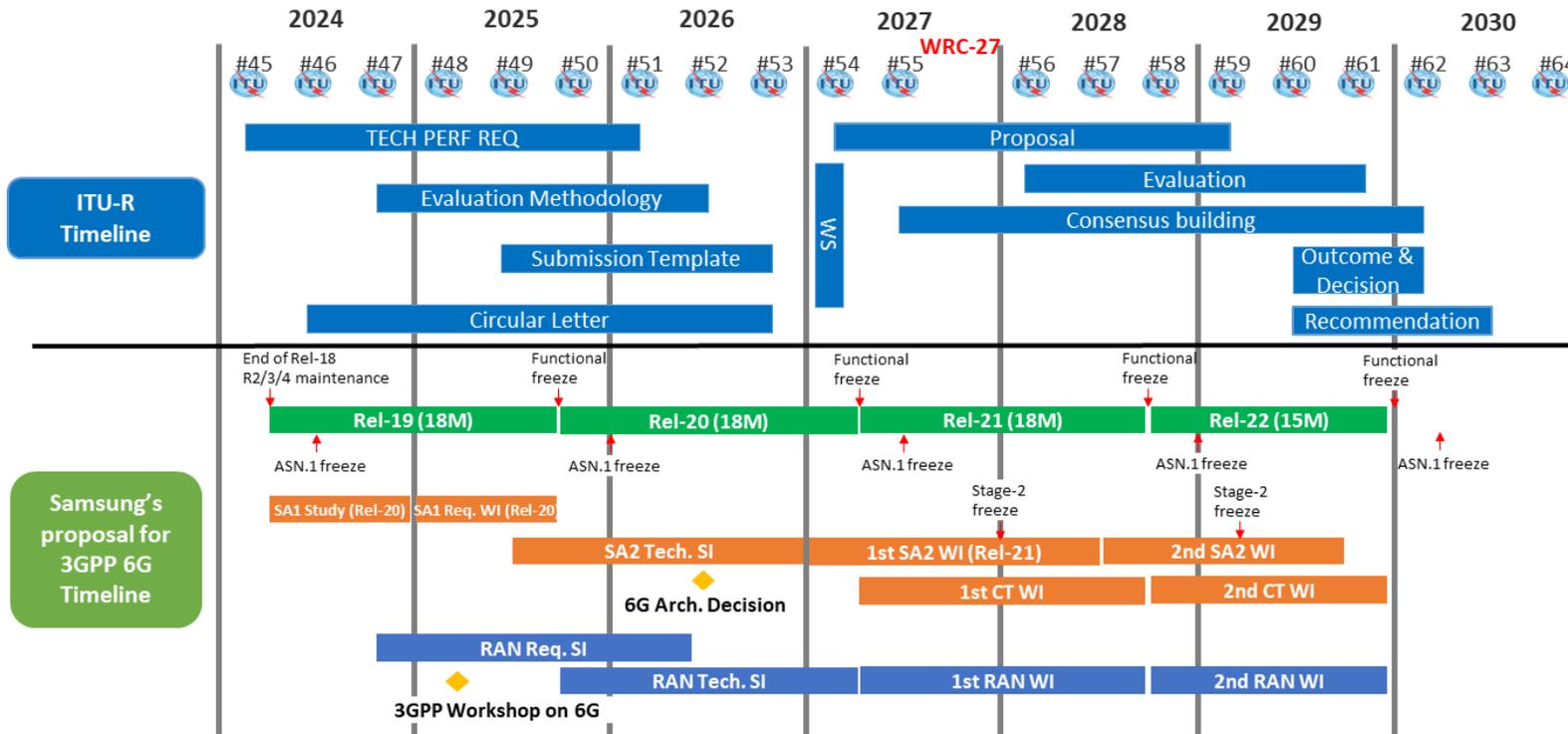
ITU-R WP5D will finalize technical performance requirements by Feb 2026 and release IMT-2030 specifications by June 2030.

WP 5D timeline for IMT towards 2030 and beyond



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

Proposal for RAN-Level Study on Scenarios and Requirements for 6G

Proposed timeline: start in September 2024 and completion in June 2026

- RAN SI will facilitate discussion among 3GPP members.
- 3GPP members can participate in discussion on ITU-R IMT-2030 requirements taking into account the discussion in 3GPP.
- Such arrangement could help develop more useful requirements for IMT-2030 in ITU-R WP5D.
- 3GPP's 6G requirements can be refined after completion of ITU-R IMT-2030 requirements in Feb 2026.

Proposed ToC of SI TR

- Usage scenarios
- Deployment scenarios
- Requirements for key performance indicators
- Requirements for RAN architecture
- Requirements for vertical services (Note: this can be used for gap analysis to define the normative work in the second release of 6G)
- Operational requirements
- Testing and Conformance Requirements