

Agenda Item: 7.4

Source: Samsung

Title: 3GPP timeline for preparation of IMT-2030

Document for: Discussion

Introduction

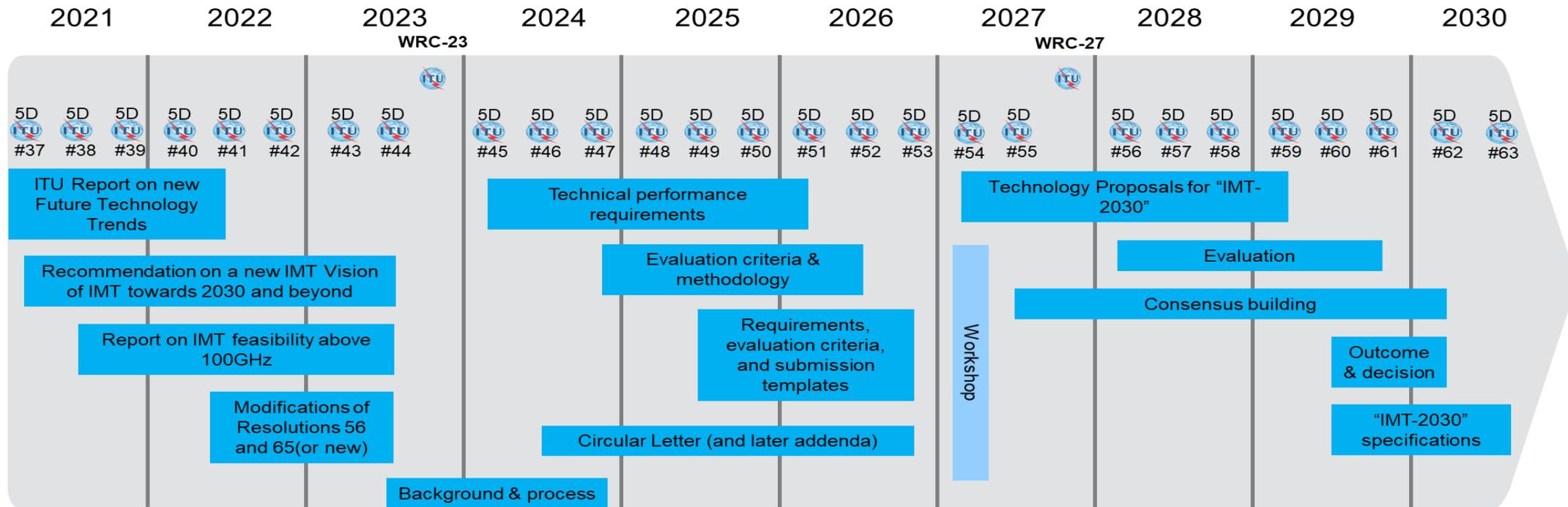
Following the completion of IMT-2030 Framework in ITU-R, 3GPP needs to develop work plan for commercialization of 6G around 2030 as well as for submission to IMT-2030 process.

In this contribution, we propose 3GPP timeline for preparation of IMT-2030.

ITU-R WP5D Timeline for IMT-2030

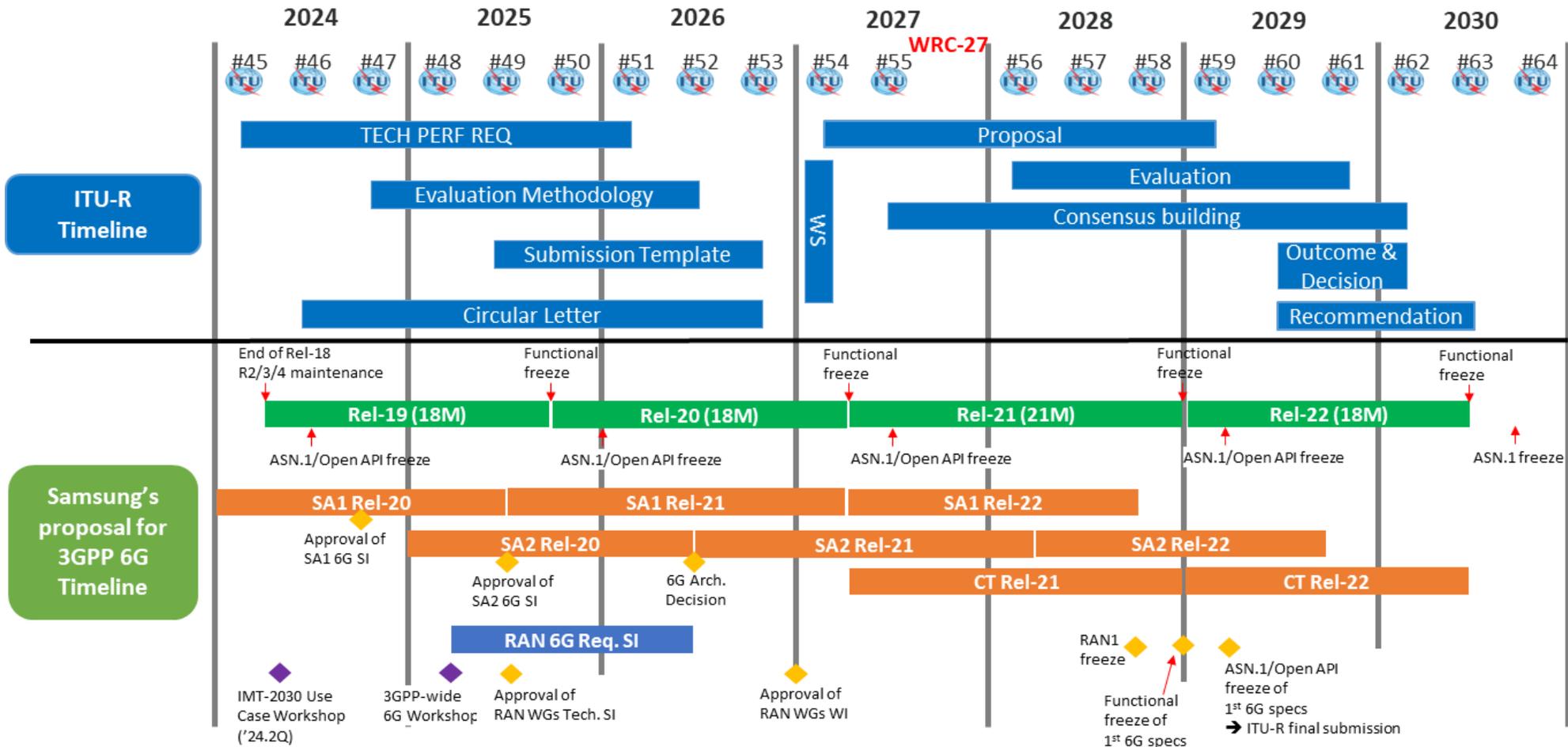
ITU-R WP5D will finalize technical performance requirements by Feb 2026 and release IMT-2030 specifications by June 2030.

WP 5D timeline for IMT towards 2030 and beyond



Proposed 3GPP Timeline for IMT-2030

3GPP timeline should support early 6G commercialization around 2H-2029 or 2030



Proposal for Important Milestones

Submission to IMT-2030 Process

- Rel-21 is the release submitted for IMT-2030
 - There shall be only single drop
 - Need to select Day-1 functionalities to be supported in Rel-21
- Rel-21 schedule (21 months)
 - Approval of Rel-21 RAN WGs WI : December 2026
 - RAN1 freeze : September 2028
 - Functional freeze : December 2028
 - ASN.1/Open API freeze : March 2029

Detailed Milestones from Initial Phase to Completion of Study

- 6G use case workshop : Q2-2024
- Approval of SA1 6G study : September 2024
- 3GPP-wide 6G workshop : March 2025
- Approval of RAN 6G requirement study : March 2025
 - Can be approved in December 2024 to facilitate early communication between 3GPP and ITU-R
- Approval of WGs technology study (Rel-20): June 2025
 - SA2 6G SI
 - RAN WGs 6G SI
- 6G architecture decision : June 2026
- Completion of technology study : December 2026