3GPP TSG SA #103
Maastricht, Netherlands, 18-21 March 2024

SP-240377

Intel views on 3GPP 6G timeline

Agenda Item:	7.4
Source:	Intel Corporation
Document for:	Discussion

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Background

- TSG#102 agreed on some first key aspects related to the 6G timeline (SP-231693/RP-233985)
  - May '24 – 3GPP Stage-1 workshop on IMT-2030 use cases
  - March '25 – 3GPP wide workshop to kick off Rel-20 technical studies in SA and RAN
  - June '25 – Approval of SA2 and RAN WG studies on 6G
  - 6G Studies in Release 20 and 6G normative work in Release 21
  - Release 21 is expected to be delivered with a single drop (i.e., a single code freeze)
  - Target TSG#103 (March'2024) for the remaining detailed 6G timeline decisions

- Open points, for discussion and agreement at TSG#103
  - RAN Plenary study item timing
  - Release 20 and Release 21 durations
  - Approval of SA (other than SA1 and SA2) and CT WG SIDs
    - This contribution focuses on the final, and a companion paper submitted to RAN addresses the first 2 points.

6G timeline – Intel Proposal

- SA1 study on 6G use cases and service requirements:
  - Discussion on study scope start in SA1#106 (May 2024). One single study.
  - Study Item Description (SID) finalized in SA1#107 (Aug 2024)
  - SID Approval in SA#105 (Sep 2024)

- Release length for Rel-20 and Rel-21:
  - 18 months for Rel-20
  - 21 months for Rel-21
  - 18 months Rel-20 is gives earlier availability of any functionality in 5G-Adv Rel-20

- Rel-20
  - Stage-1 Freeze: June 2025
  - Stage-2 Freeze: June 2026 (80%)/Sep 2026 (100%)
  - Stage-3 Freeze: Mar 2027
  - ASN.1/OpenAPI freeze: Jun 2027

- Rel-21
  - Stage-1 Freeze: Mar 2027
  - Stage-2 Freeze: Mar 2028 (80%)/June 2028 (100%)
  - Stage-3 Freeze: Dec 2028
  - ASN.1/OpenAPI freeze: Mar 2029

- The following slide shows the 3GPP timeline for 6G including these proposals

6G – 3GPP + ITU timelines

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