

3GPP TSG RAN Meeting #103
Maastricht, Netherlands, March 18-21, 2024
Agenda Item: 15

RP-240314



Consideration on 6G Timeline

New H3C Technologies Co., Limited

www.h3c.com 

Recap: agreements on 6G timeline in RAN#102



□ Key agreements in RAN#102 (RP-233985) are as follows:

➤ **First TSG-wide 6G workshop** is expected to be in **March 2025**.

➤ Studies for 6G in 3GPP are expected to start from Release 20

✓ Requirements studies:

- SA1 SID is expected to be approved in Sept'2024.
- **RAN plenary SID (e.g., radio requirements and KPIs) is expected to be approved TBD (to be decided at RAN#103)**

✓ Technology studies:

- SA2 SID is expected to be approved in June'2025. Other SA-WG SIDs (e.g., Security, etc.) are expected to be approved TBD
- **RAN-WG SIDs are expected to be approved in June'2025**
- CT-WG SIDs are expected to be approved TBD

➤ **IMT-2030 submission and normative work for 6G in 3GPP are expected to start from Release 21**

✓ Release 21 is expected to be delivered with a single drop (i.e., a single code freeze)

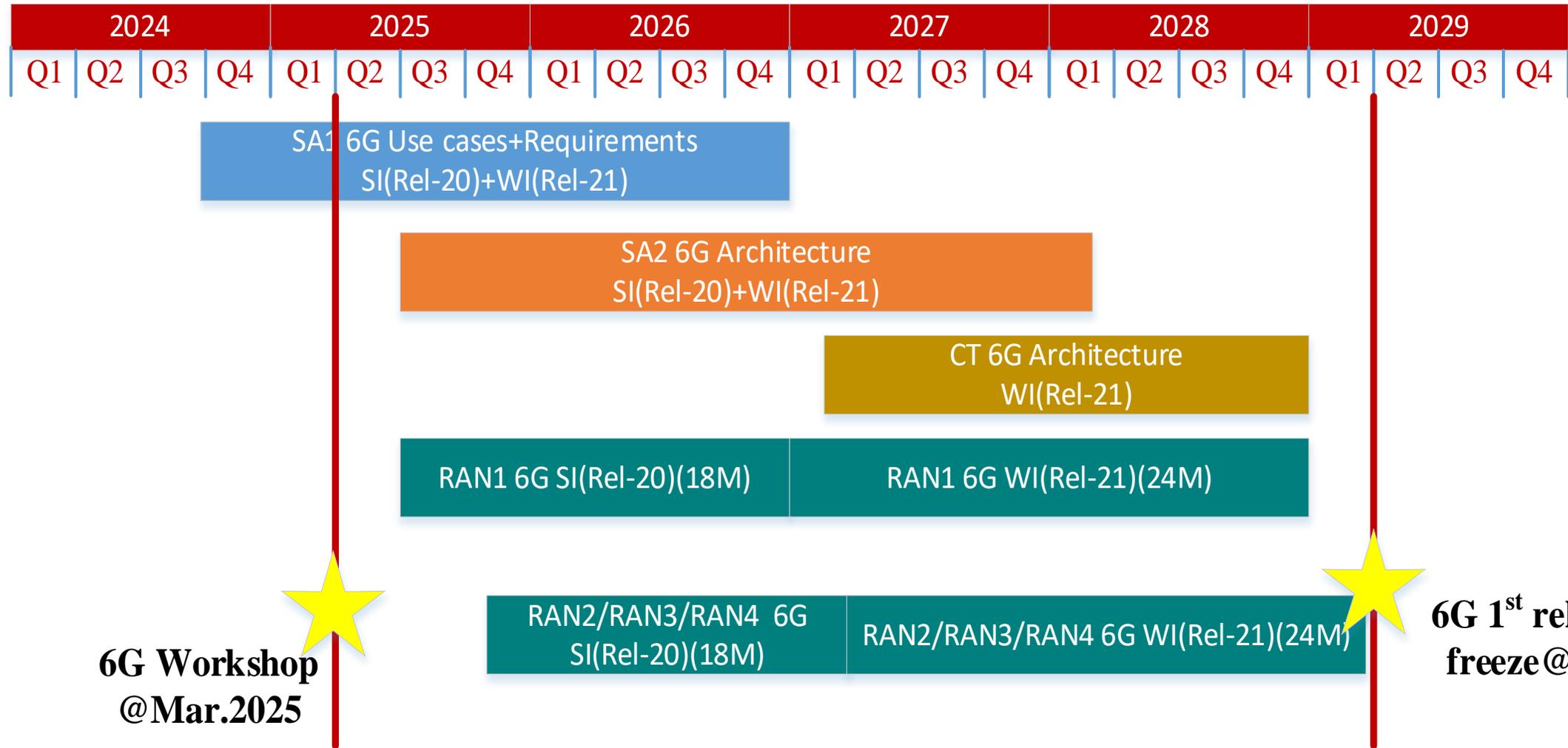
Consideration on detail 6G Timeline



□ Consideration points are as follows:

- Enough time is ensured for the first 3GPP 6G release, including a SI and a WI in order to guarantee quality of 6G 1st release specification and avoid handling lots of remaining issues during the maintenance phase. So radical 3GPP 6G schedule should be prevented.
- Release 21 (6G 1st release specification) should be submitted to IMT-2030 on time.

Consideration on detail 6G Timeline



**6G Workshop
@Mar.2025**

**6G 1st release ASN.1
freeze @ Mar.2029**

Proposals on 6G timeline(1/3)



- ❑ Proposal1: First TSG-wide 6G workshop should be in Mar. 2025.
- ❑ Proposal2: 6G 1st release ASN.1 freeze is expected to be in Mar.2029.
- ❑ Proposal3: For RAN1 part, 6G SI (Rel-20) is expected to take 18 months to be completed and will kick-off in Jun.2025.

Proposals on 6G timeline(2/3)



- ❑ Proposal4: For RAN1 part, 6G WI (Rel-21) is expected to take 24 months to be completed and will kick-off in Jan.2027.
- ❑ Proposal5: For RAN2/3/4 part, 6G SI (Rel-20) is expected to take 18 months to be completed and will kick-off in Sept.2025.

Proposals on 6G timeline(3/3)



- Proposal6: For RAN2/3/4 part, 6G WI (Rel-21) is expected to take 24 months to be completed and will kick-off in Apr.2027.

A top-down view of a wooden table where several people's hands are stacked in a circle, symbolizing teamwork. On the table are two laptops, a smartphone, a white mug with green liquid, and a coffee cup with a lid. The background is slightly blurred, showing people in business attire.

THANKS

A red circular logo with the white text 'HBC' inside.

HBC