

3GPP-IETF Coordination meeting at IETF#117

Lionel Morand (3GPP Liaison Manager to IETF)

Charles Eckel (IETF Liaison Manager to 3GPP)

Agenda



- Roundtable
- 3GPP-IETF Coordination
- Ongoing Liaison Statements exchanged between IETF and 3GPP
- Ongoing IANA action
- Status of the 3GPP-IETF dependencies
- For Information
 - Release roadmap
- AoB

Roundtable

3GPP-IETF Coordination

IETF-3GPP Coordination meeting



Last: @IETF#116 (Yokohama)

- 2023, March 28, 2.30am UTC (remote access provided)
- With CT chair, IETF liaison, IESG members, IAB members, WG chairs and delegates. About 40 attendees
- Some issues with the LS sent by IETF.
 - Reminder to IETF: LS from IETF have to be sent in a formatted document attached to the email sent to the 3GPP Liaison coordinator
- Remaining dependencies (about 7) under control

Next: @IETF#117 (San Francisco)

- Will be held on 2023, July 24
- Remote access will be provided

New (formal) IETF - 3GPP IAB group

Created in April 2023, similar to the IETF-IEEE IAB group

Group description

- The purpose of this group is to support coordination activities between IETF and 3GPP as documented in **RFC 3113**.
- led jointly by the 3GPP and IETF liaison managers
- No fixed membership but participation from relevant IETF Area Directors, IETF WG Chairs, 3GPP WG Chairs, and document authors/editors is encouraged.
- See: <https://datatracker.ietf.org/group/ietf3gpp/about/>

Action Points:

- Update the dependency list tool or create a new one (with IETF support)
- Update RFC 3113: "3GPP-IETF Standardization Collaboration" (2001)

For information

- A new IETF non-working group email list has been created.
 - List address: sat-int@ietf.org
 - Archive: <https://mailarchive.ietf.org/arch/browse/sat-int/>
- Purpose:
 - To discuss the networking issues and solutions involved in NTN integration with 5G and Internet
 - The mail list will only focus on the technical topics related to IETF technologies, more specifically in L3 layer such as addressing, routing and switching, traffic engineering, integration with Internet, etc.
 - **IMPORTANT:** It is not intended to be a platform for 3GPP discussions except the requirements to IETF, thus all 3GPP solutions in RAN, SA, etc. will be excluded in the discussion.

IETF-3GPP Liaison Statements

3GPP->IETF

Reply LS on SCTP-AUTH and DTLS



- In response to [LS on SCTP-AUTH and DTLS](#) from IETF TSWG
 - inform RAN3/SA3 of discovered security issues delaying RFC 6083-bis work

➤ Feedback from SA3:

- SA3 agrees that the discovered security issues are serious and need to be solved
- SA3's understanding is that the solution should be based on DTLS
- SA3 kindly asks TSVWG to work on and publish a solution as soon as possible

3GPP->IETF:

isInvariant and SystemCreated in YANG



🌿 [LS on need for modeling isInvariant and SystemCreated in YANG](#) to Netmod (03/23)

🌿 3GPP Requirements

- A solution to represent the isInvariant and SystemCreated properties in IETF defined YANG statements is needed to support 3GPP stage3 YANG data model.
- 3GPP SA5 sees [draft-ma-netmod-immutable-flag](#) as a potential solution

🌿 Discussed in the IETF-3GPP coordination meeting

🌿 WG adoption currently discussed on netmod mailing list

- Interested companies should be active on the mailing list, review the draft and share their opinions

IETF->3GPP



 None

Tracking requests to IANA

IANA assignment request handling



Review of Rel-17 specifications has revealed that:

- A lot of IANA assignment requests have still to be done
- There is no easy way to track the need for IANA assignment requests from 3GPP

Actions (3GPP wide):

- LS sent to all the 3GPP WGs
 - Specification rapporteurs needs to review Rel-17/Rel-18 specs and collect the request for IANA assignment
 - Any IANA assignment request must be indicated to the IETF liaison
- ETSI has created an [IANA Pending Request Registry](#)

3GPP allocated port numbers



- From a sub-range of the Dynamic/Private Port range [49152 - 65535]
 - One of the alternative solutions to avoid the need for IANA port assignment for (private) 3GPP interfaces documented in:
 - [TR 29.941](#): Guidelines on Port Allocation for New 3GPP Interfaces
 - Only for intra-domain scenario. IANA-assigned port numbers recommended for inter-domain (when no other solution applies)
- [TS 29.641](#): 3GPP Registry for Service Names and Port Numbers
 - Assigned port number in TS 29.641:
 - Port 65400: Assigned to SLMP (SEAL Off- Location Management protocol)
 - Port 65401: Assigned to MSGin5G service

IETF Dependencies

New Published RFCs

IETF reference updates



 None

Drafts in RFC Editor queue

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draft-ietf-stir-identity-header-errors-handling-08

- Title: Identity Header Errors Handling for STIR
- Next step:
 - Published as Proposed Standard RFC
 - CRs to 24.229 and 29.165

draft-ietf-ace-extend-dtls-authorize-07

- Title: Extension of the DTLS Profile for ACE to TLS
- Next step:
 - Published as Proposed Standard RFC
 - CRs to 33.434

Drafts under IESG review

Drafts under IESG review

draft-ietf-stir-passport-rcd-26

- Title: PASSporT Extension for Rich Call Data
- Last update: 06/2023
- Next step: Published as Proposed Standard RFC, CRs to 33.127 and 33.128

draft-ietf-stir-messaging-07

- Title: Messaging Use Cases and Extensions for STIR
- Last update: 03/2023
- Next step: Published as Proposed Standard RFC, CRs to 33.127
- **!!! WARNING !!! Wrong draft reference in 33.127**
 - *IETF draft-ietf-stir-~~passport~~-messaging-00, "Messaging Use Cases and Extensions for STIR".*

Drafts under IESG review

draft-ietf-detnet-yang-17

- Title: Deterministic Networking (DetNet) YANG Model
- Last update: 04/2023
- Next step:
 - Published as Proposed Standard RFC
 - CRs to 23.501, 23.503 and 29.565

Active WG document

Active WG document

draft-jesske-update-p-visited-network-05

- Title: Update to P-Visited-Network-ID in SIP Requests and Responses
- Status: In WG Last Call
 - Pushed forward by Brian Rosen (sipcore chair) after the last IETF-3GPP coordination
- Next step: draft update, IESG review, RFC publication, CT1 CR to 24.229

draft-ietf-quic-multipath-04

- Title: Update to P-Visited-Network-ID in SIP Requests and Responses
- Status: WG document
- Next step: draft update, IESG review, RFC publication, SA2 CR to 23.501

Individual submission

Individual submission



draft-schwarz-mmusic-sdp-for-gw

- Next step: Still to be reactivated, published RFC, CT4 CR to 23.334 and 29.334
- Last version May 2016
- Action Point: contact an ITU expert that could help us.

Potential future IETF dependencies

Rel-18 Studies



🌿 TR 23.700-53: Study on ATSSS support in the 5G system architecture; Phase 3


- draft-ietf-quick-multipath-04 (now in 23.501)
- draft-ietf-tsvwg-multipath-dccp-09
- draft-ietf-masque-connect-ip-13

🌿 TR 23.700-60: Study on XR (Extended Reality) and media services

- draft-ietf-avtext-framemarking-14
- draft-ietf-quick-http-34 (☐ **RFC 9114**)
- draft-ietf-tsvwg-udp-options-18
- draft-ietf-avtcore-rtp-vc-14
- draft-ietf-masque-connect-udp
- draft-ietf-masque-h3-datagram (☐ **RFC 9297**)
- draft-ietf-httpbis-h3-websockets (☐ **RFC 9220**)

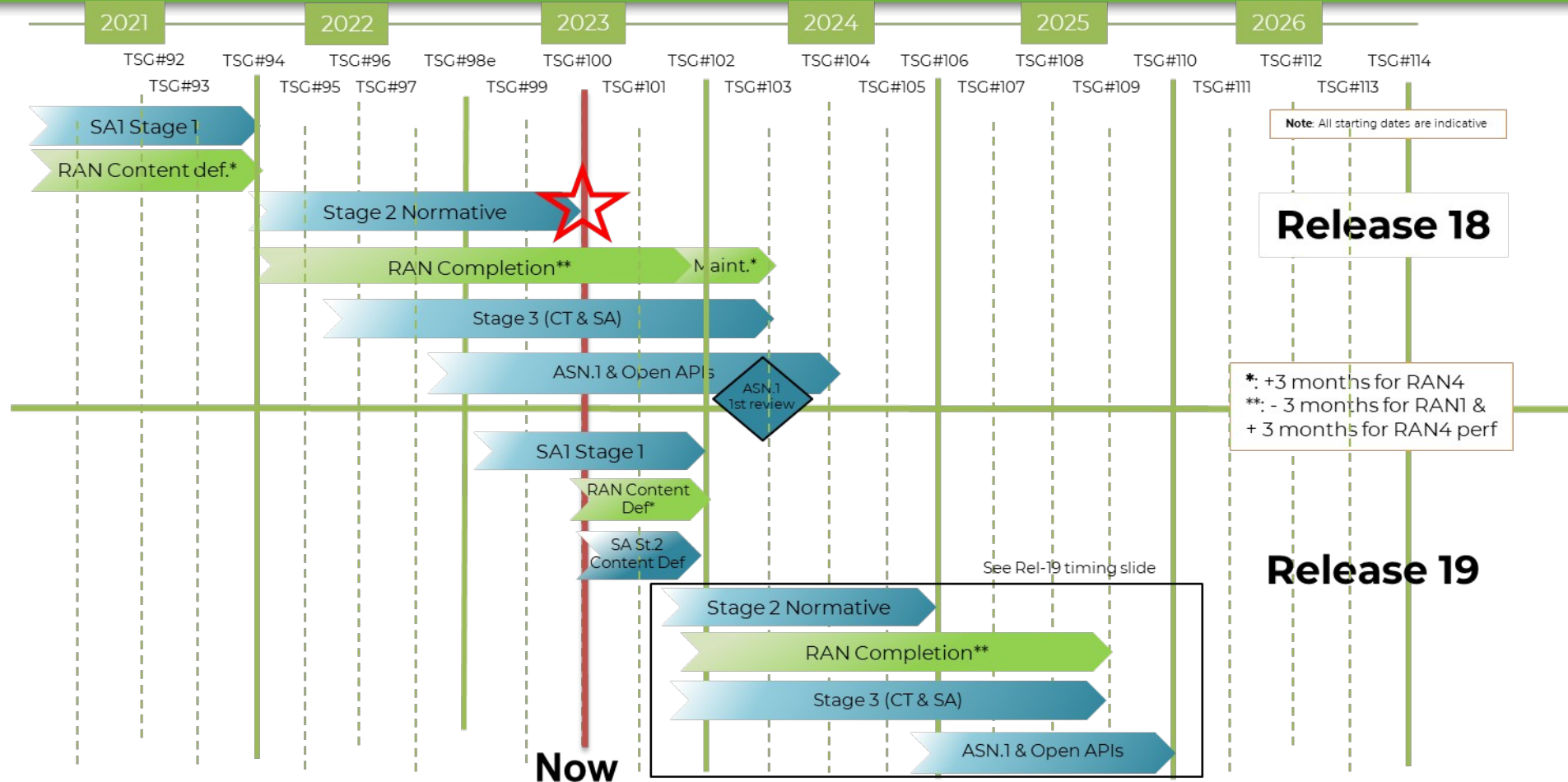
Rel-18 Studies



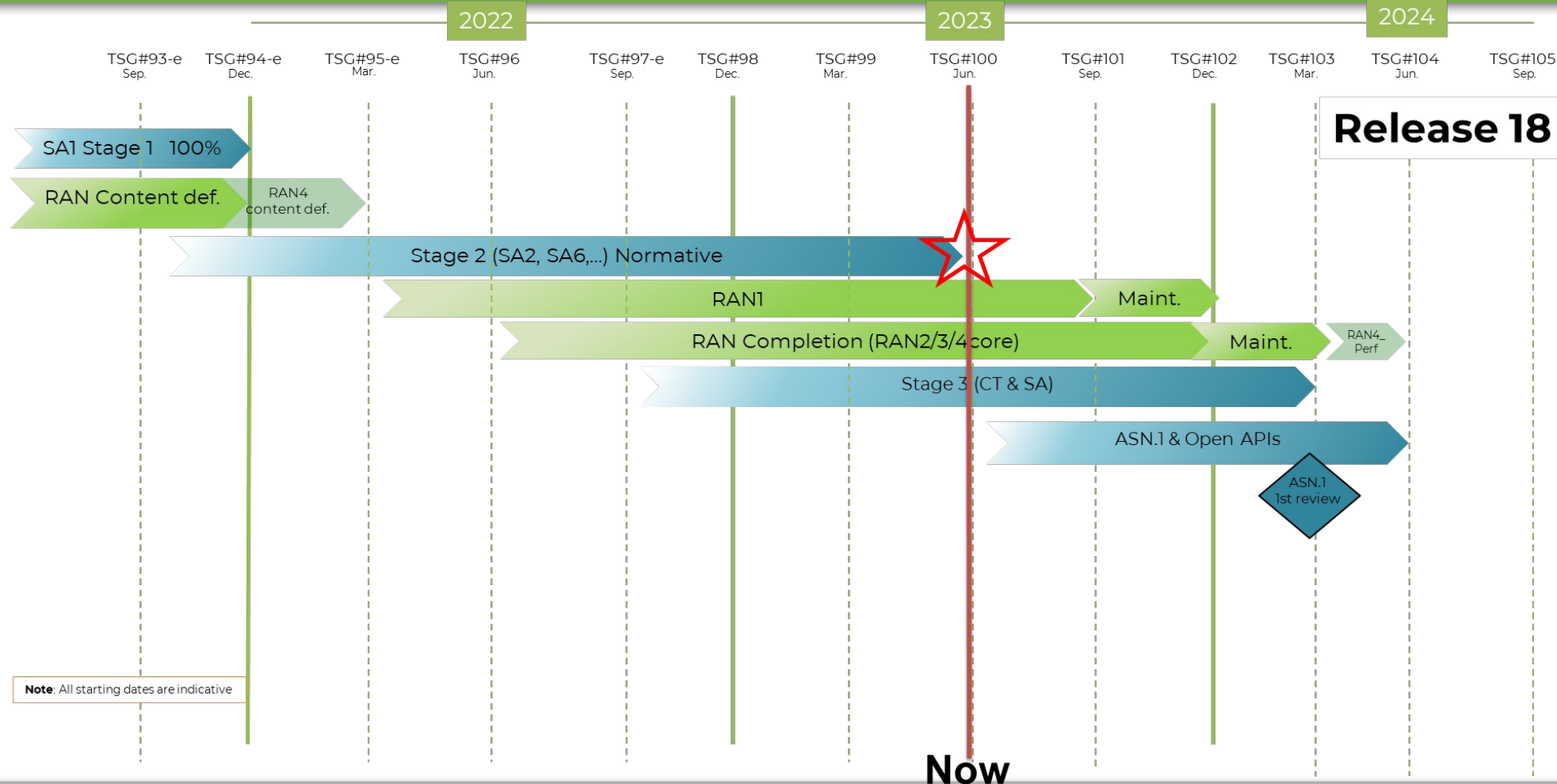
-  TR 33.876: Study on automated certificate management in Service-Based Architecture (SBA)
 - draft-ietf-lamps-cmp-updates
 - draft-ietf-lamps-cmp-algorithms
 - draft-ietf-lamps-nf-eku
 - draft-ietf-acme-authority-token-tnauthlist

For Information

Release Timelines

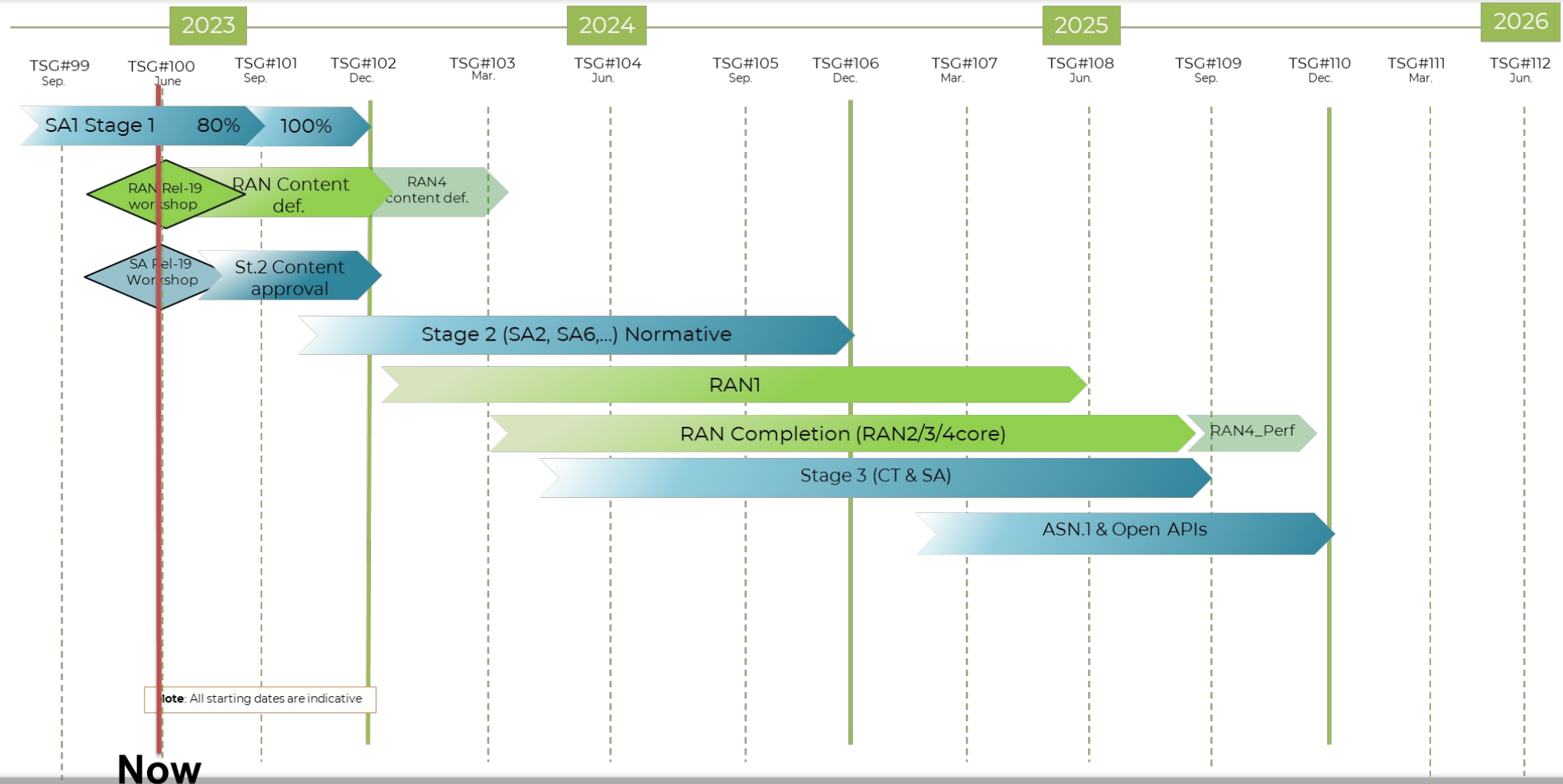


Release 18 Timeline



Now

Release 19 Timeline



Now

Release roadmap

5G

- From Release 15 to Release 17

5G-Advanced

- Release 18
- Release 19
 - Content still under discussion. Will be defined in december '23

6G

- Would likely meet the deadline for ITU "IMT-2030 and beyond"
- Assumption: studies in Rel-20 and normative work on release 21

Any Other Business

Thank You!



The screenshot shows the 3GPP website's 'TSG Structure' page. At the top, it features the 3GPP logo and the tagline 'THE Mobile Broadband Standard'. Below this is a navigation menu with links for 'About 3GPP', 'Specification Groups', 'Specifications', '3GPP Calendar', 'Technologies', and 'News & Events'. The main content area is titled 'Specification Groups' and includes a sub-section for 'TSG Structure'. Under 'TSG Structure', there is a 'Project Co-ordination Group (PCG)' and four columns of TSGs: TSG GERAN, TSG RAN, TSG SA, and TSG CT. Each TSG column lists its sub-groups and their focus areas. For example, TSG GERAN includes GERAN WG1 (Radio Aspects), GERAN WG2 (Protocol Aspects), and GERAN WG3 (Terminal Testing). TSG RAN includes RAN WG1 (Radio Layer 1 spec), RAN WG2 (Radio Layer 2 spec), RAN WG3 (Sub spec, for spec, for spec), RAN WG4 (Radio Performance), and RAN WG5 (Mobile Terminal). TSG SA includes SA WG1 (Service), SA WG2 (Architecture), SA WG3 (Security), SA WG4 (Codec), and SA WG5 (Terminal Management). TSG CT includes CT WG1 (Middleware), CT WG3 (Interworking), CT WG4 (M2M/ITS/UE), and CT WG6 (Smart Card Application). The right sidebar contains an 'RSS Subscription' section with links for 3GPP News, 3GPP Forum News, and 3GPP News, a 'Search Site' section, and an 'Advanced FTP search' section.



Lionel Morand
IETF Liaison
lionel.morand@orange.com

Charles Eckel
IETF Liaison Manager to 3GPP
eckelcu@cisco.com

