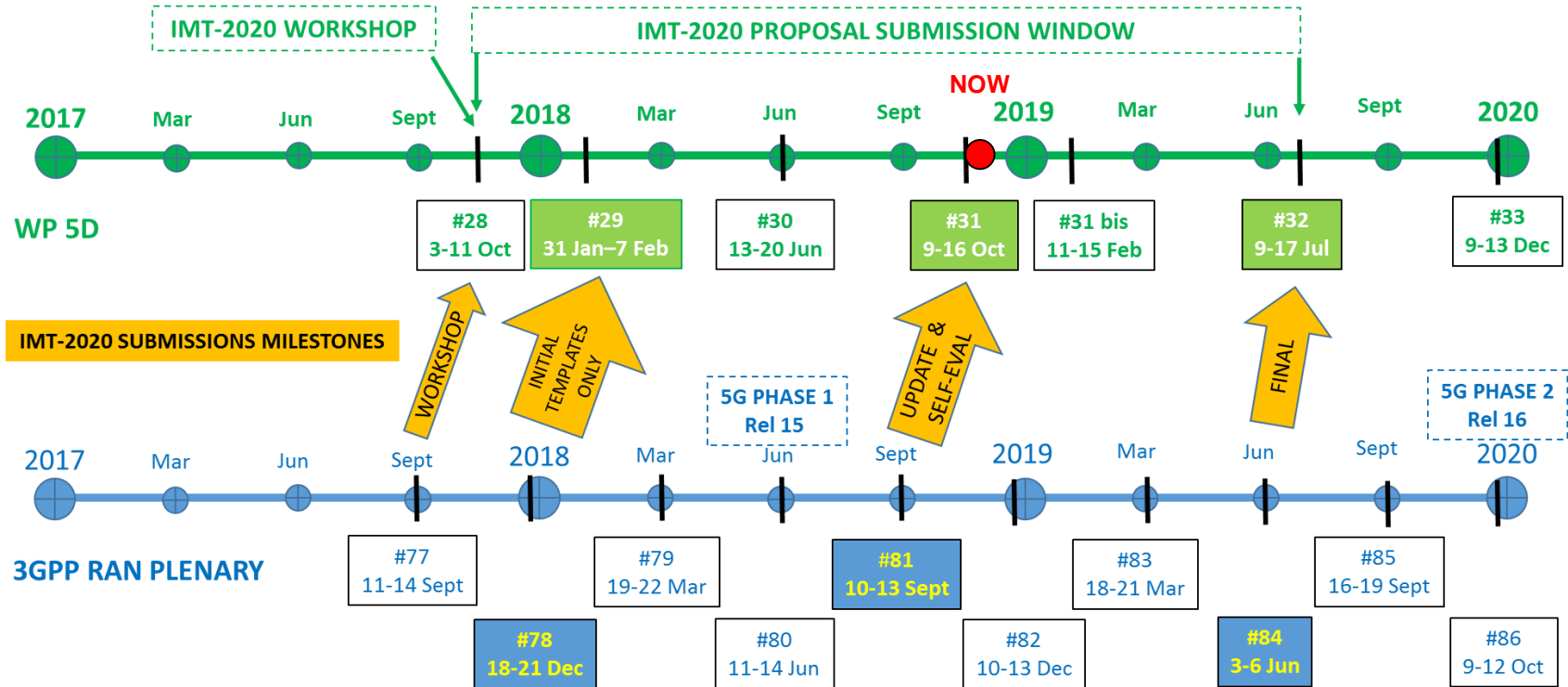# *The 3GPP Submission*

Source: RAN ITU-R Ad-hoc Convenor

3GPP System

- 3GPP aims to the definition of a full system (Radio and Core Network)
- 3GPP specifications will be labelled "5G" from Release 15 onwards
- 5G requirements
  - Service: TS 22.261 "Service requirements for next generation new services and markets"
  - Radio: TR 38.913 "Study on scenarios and requirements for next generation access technologies"
- Overall architecture (expected Dec 2017):
- TS 23.501: "System Architecture for the 5G System; Stage 2"
- TS 23.502: "Procedures for the 5G System; Stage 2"
- RAN aspects
  - TR 38.901: "Study on channel model for frequencies from 0.5 to 100 GHz"
  - TR 38.912: "Study on new radio access technology"
  - Technical specifications will be captured in the 36, 37 and 38 series

IMT-2020 submission - timeplan

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IMT-2020 submission - timeplan

Submission Milestone Name	3GPP Meeting	ITU-R Meeting	General Submission Content	Submission Templates (Release Basis)	Self- Evaluation (Release Basis)
Workshop	RAN # 77 Sept 2017	WP 5D #28 Oct 2017	Overview	-	-
Initial Templates Only	RAN # 78 Dec 2017	WP 5D # 29 Feb 2018	Description Templates	Description Templates 5.2.3 (R15)	-
Update & Self-Eval	RAN # 81 Sept 2018	WP 5D # 31 Oct 2018	Description Templates Compliance Templates Self-Evaluation	Description Templates 5.2.3 (R15) Compliance Templates 5.2.4 (R15)	Self-Evaluation (R15)
Final	RAN # 84 June 2019	WP 5D # 32 July 2019	Description Templates Compliance Templates Self-Evaluation	Description Templates 5.2.3 (R15+R16) Compliance Templates 5.2.4 (R15+R16)	Self-Evaluation (R15+R16)

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IMT-2020 submission format

- **Submission 1**
  - SRIT
    - Component RIT: NR (*)
    - Component RIT: EUTRA/LTE
      - incl. standalone LTE, NB-IoT, eMTC, and LTE-NR DC
    - full 38 and 36 series, and subset of 37 series
- **Submission 2** (In addition to the above)
  - NR RIT (*)
- **Naming**
  - Name : 5G
  - Footnote: Developed by 3GPP as 5G, Release 15 and beyond

(*) The plan is to leverage the NR RIT (in submission 2) as the NR component RIT in submission 1; NR details TBD

Where are we now?

⬗ 3GPP approved an updated submission in October based on 3GPP Release 15

⬗ This Submission is not final. Therefore, it will be updated on the basis of 3GPP workplan and the Final submission will be delivered according to WP5D timeplan

Preliminary Description Template and Self-Evaluation of 3GPP 5G candidate

- This document allows the Independent Evaluation Groups to familiarise with the 3GPP 5G solution for IMT-2020 and to prepare the evaluation activity

- The updated description of 3GPP 5G and initial self evaluation can be found in PCG41_08 and provides
  - characteristics template for SRIT and NR RIT
  - compliance template for SRIT and NR RIT
  - link budget
  - preliminary self evaluation report (TR37.910 V1.0.0)

Thank you!