3GPP TSG RAN#87e
March 16th-19th, 2020

RP-200161
Agenda Items 9.10, 15

Handling of Rel-17

MediaTek Inc.

Introduction

- MediaTek supports the TSG leadership initiative to **shift Rel-17 milestones by one quarter**
- However, impact of one quarter shift must be carefully assessed due to varying impact
  - Alternance between one or two meetings per quarter
  - 15-month release (i.e. odd number of quarters)
- Measures needed to
  - Avoid *any* negative impact vs. scope agreed at RAN#86/Dec 2019
  - While securing stabilization of Rel-16 ASAP [see RP-1200160]

- Note
  - Approval of NR NPN deferred to RAN#88/June 2020
  - IIoT/URLLC scope refinement deferred to RAN#88/June 2020
  - UDC, UAV expected to come back later as well

Rel-17 one-quarter shift

	2020				2021			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
#meetings	1	2	1	2	1	2	1	2
Rel-17								
RAN1 [7]	1	2	1	2	1			
RAN2 [7]	RAN2 Slow start 1		1	2	1	2	1	
RAN3 [8]		2	1	2	1	2		
Rel-17 new								
RAN1 [1+6]	a 1		1	2	1	2		
RAN2 [1+6]		b	1 [?]	2	c 1	2	1	d 2
RAN3 [7]			1	2	1	2	1	

Face-to-face | Electronic | x Key discussion points – see next slide

Note: though not confirmed, we assume Q2 will be fully electronic i.e. f2f to resume in (late) Q3 only

Rel-17 one-quarter shift
Observations

a) RAN1 Rel-17 start in Q2 is required – regardless whether e/f2f meeting
   - Slow start anticipated due to Rel-16 load

b) RAN2 expected to be highly loaded in Q3 with Rel-16
   - RAN1 Late delivery of Stage 3 PHY for key features
   - RAN1 Late delivery of Rel-16 feature list

c) Ad-Hoc(s) must be considered in Q1/2021 and/or Q3/2021 to
   - RAN1 in Q1/2021 to compensate for RAN1 slow-start
   - RAN2/RAN3 in Q1/2021 and/or Q3/2021 to compensate for loss of f2f meeting

d) One quarter needed between Stage 3 finalization and ASN.1 finalization
   - Stage 3 Meeting loss cannot be compensated in the same quarter as ASN.1 finalization

Proposals

- RAN1
  - No Rel-17 in RAN1 Q2/2020 April e-meeting (focus on Rel-16, see RP-200160)
  - Rel-17 Start in RAN1 in Q2/2020 May meeting (if any) whether electronic (telco) or face-to-face – simple issues
  - Rel-17 Ad-Hoc in Q1/2021 to compensate for RAN1 slow-start
- RAN2
  - Rel-17 Slow start in RAN2 in Q3/2020 August meeting [TBC in RAN#88] – items with no RAN1 dependency
  - Rel-17 Full start in RAN2 in Q4/2020 October meeting
  - Rel-17 Ad-Hoc in Q1/2021 and *potentially* Q3/2021* to compensate for loss of f2f meeting
- RAN3
  - Rel-17 start in RAN3 in Q3/2020 August meeting
  - Rel-17 Ad-Hoc in Q1/2021 and *potentially* Q3/2021* to compensate for loss of f2f meeting

* eAH could be considered for Q3/2021