

RP-231940

Ag. 8A.1

For Discussion & Decision

Ericsson



Overview of Rel-19

Overview of Rel-19 Background



- During Rel-19 workshop [RWS-230488](#) was endorsed as a summary
- The timeline for Rel-19 is endorsed within [RP-230050](#)
 - It is important to note that for the overall package (according to [RWS-230488](#))
 - **Critical** to ensure **on-time delivery** of Rel-19
 - The overall **Rel-19 load** is expected to be **lower than Rel-18 load**
- The endorsed summary in [RWS-230488](#) further provided a list of topics and their relative support. Based on this and our own thought we provide our own overall Rel-19 package proposal for RAN1 to RAN3 lead topics.

On-time delivery



- **Proposal**

- To ensure on-time delivery of Rel-19 and a reasonable load in the WGs we see that twice as many TUs should be reserved in Rel-19 compared to Rel-18

Topics and TU estimates



- In the following three slides you will find the topics we see for Rel-19 together with an TU estimate for each WG
 - As can be observed from the slides all the groups are either close to or beyond its operating point in terms of TUs, hence no other item can fit within Rel-19.
- The max number of TUs are based on the maximum per meeting from Rel-18, i.e.
 - RAN1: 31 TUs, RAN2: 40 TUs and RAN3: 20 TUs
- Further the number of reserved TUs from Rel-18 has been doubled in all WGs, i.e.
 - RAN1 increase from 2 to 4 TUs
 - RAN2 increase from 4 to 8 TUs
 - RAN3 increase from 1 to 2 TUs
- **Proposal**
 - Adopt the Rel-19 package in the following three slides

RAN1 lead topics



Feature	TU per meeting
WI on AI/ML for the Air interface	4
MIMO evolution	2.5
Duplex Evolution	2
SI Ambient IoT	4
Network Energy saving	2
Low Power Wake-up-signal/Wake up receiver	2
Channel model for Joint Communication and Sensing	2
Verification of channel model for spectrum range of 7-24 GHz	
[RAN2-lead] Mobility	1
[RAN2-lead] NR NTN	1
[RAN2-lead] XR	1
Maintenance	4
Remaining cross WG/TSG	1
Reserved TUs	4
Total TUs	30
Left-over TUs	0.5

RAN2 lead topics



Feature	TU per meeting
Mobility enhancements	2
XR	2
NR NTN	2
SI on AI/ML for Air Interface on Mobility	2
SI on protocol enhancement for both UP and CP	1
[RAN1-led] WI AI/ML for Air Interface	2
[RAN1-led] SI Ambient IoT	2
[RAN1-led] LP-WUS/WUR	1
[RAN3-led] SON/MDT	1
[RAN3-led] Additional Topological enh.	1
Cross-WG/TSG	4
Reserved TUs	8
Maintenance	13
Total	41
Left-over TUs	-1

RAN3 lead topics



Feature	TU per meeting
AI/ML for RAN	2
SON/MDT	1
QoE	1
Additional Topological Enh.	1
[RAN1-led] Ambient IoT	1
[RAN2-led] XR	1
[RAN2-led] NR NTN	1
Cross-WG/TSG	-
Comebacks	3
Reserved TUs	2
LS/TEIs/Maintenance	8
Total	20
Left-over TUs	-1

