



Input on SA WG2 Rel-19 package content

Ericsson

SA2 Rel-19 package – Considerations



- **Balanced support of features**
 - All market segments and stakeholders get something in the release
 - Basically, all equally happy/unhappy to make consensus approval of a package of SID/WIDs
- **New Rel-19 features**
- **Need to keep room in the TU budget for RAN driven features**
- **Expectation that enhancements of features of earlier release will be included as usual**
 - *One message from some key operators is that they do not favor continuously specifying high number of phases for features that have not been deployed.*
 - *Important to get market feed-back on important gaps of missing functionality (e.g. from 5G deployments).*
- **Some topics were initially discussed to be themes of the next generation system - 6G**
 - *However, brought to 3GPP early and became major studies as well as some normative stage 1 serve requirements.*
 - *Both Ambient-IoT and Sensing creates major discussions in both RAN and SA2.*
- **The potential package proposal should not be seen as Ericsson priority items only, but an effort to balance the scope of the release to give everyone something.**

SA2 Rel-19 candidate topics

	Status	Study TU	Norm TU	RAN dependencies		TUs
FS_5GSAT_ARCH_Ph3	SA Approved	7	5.5	Yes		12.5
FS_NG_RTC_Ph2	SA Approved	6	5.5	No		11.5
FS_XRM Ph2	SA Approved	7.5	6.5	Yes		14
FS_EnergySys	SA Approved	6.5	6.5	Yes		13
FS_MPS4msg	SA Approved	3	3	Maybe		6

September SA#101 plenary approved 5 study items for work in Q4

The items above may be down scoped in SA#102

Reasonable to assume that all 5 will be in the release package

The number of items and the total TU limits by the guidance previously given

10 – 14 items (Work/Study items)

134 TUs in total (study and normative phase)

14 TUs maximum per item (study and normative phase)

Potential package for Rel-19
Ericsson preferred and an attempt of compromise



5G Arch. Enhancements

- CN Enh support for AI/ML
- Energy Efficiency
- Arch enhancement for XR and media services_Ph2
- Enhanced Traffic Management
- Impr of network controlled Network Slice Selection
- Multi-Access (DualSteer + ATSSS Lite)

Asset Tracking

- Arch Ambient Internet of Things (Study only)

Industrial Automation

- ~~Timing Resiliency and TSC~~ -> Redundancy IP and Ethernet

Communication Services

- Next gen real time communication services_Ph2
- Arch support of roaming value-added services

5G Mission Critical

- 5MPS for IMS Messaging and SMS services
- L3 multi-hop only (5G Proximity Services_Ph3)

Drones

- Architecture enh for UAS, UAV and UAM_Ph3

Non-Terrestrial Networks

- 5GSAT_ARCH_Ph3

Summary (downscoping/TU budget FFS)

Rel-19 SA2 SI	Ericsson
FS_XRM_Ph2	Yes (no WT1.3)
FS_NG_RTC_Ph3	Yes (may be rescoped)
FS_Energy_Sys	Yes
FS_MASS	Yes
FS_5GSAT_ARCH_Ph3	Yes (may be rescoped)
FS_eTRS_URLLC_LAN	Only WT2.1 revised in SP-231607
FS_eEDGE_5GC_ph3	No
FS_AIML_CN	Rescoped
FS_ProSe_Ph3	Yes (scope L3 Multi-hop only)
FS_AIoT	Study only
FS_MPSmsg4	Yes
FS_ISAC	No
FS_5G_Femto	RAN Dependent
FS_eUUI5	No
FS_INSS	Yes
FS_UAS_Ph3	Yes
FS_VMR_Ph2	No
FS_UPEAS_Ph2	No
FS_ETM	Yes
RVAS_ARCH	TEI19 (if scoped properly)
FS_SLTS	NO