

# Overviews on Rel-19 RAN4-led WI/SI

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# Overview

- **Workload of Rel-19 RAN4 WI/SI should be manageable**
- **Rel-19 WI/SI should cover the topics on the enhancement and potential deployment based on inputs from Operator/ OEM / Vendors**
- **There can be maximum 3 WIs in RF/OTA, RRM / Demodulation and Cross Area, respectively**
- **Enough TUs to accommodate RAN4-led WI/SI should be reserved**

# Candidate Topics for Rel-19

- **RF/ OTA**

- *Further RF enhancement for sidelink* :
  - PC3 SL-U, Intra/Inter-band SL CA, Con-current Uu+SL, 3Tx/4Tx SL
- *FR2 RF enhancement* : UL256QAM for frequency > 39GHz in FR2-1
- *7~24GHz upper-mid band* : Regulatory update, Technology consideration update

- **RRM/ Demod**

- *RRM Enhancement in FR2* :
  - mTRP/non-mTRP based RRM enhancement with multi-Rx activation in FR2
- *Meas. Gap Enhancement* : Independent Meas. Gap for DC, Overhead reduction

- **Cross Area**

- *ATG* : FR2 ATG, Intra/Inter-band CA ATG in FR1
- *Inter-band UL CA in FR2* : CBM based inter-band UL CA in FR2-1