

5G Specifications scheduled for next release

- Application
 - Different application resource type and priority level via application config
- Dual connectivity between LTE and 5G
- NAS
- SDAP
 - mapping between a QoS flow and a DRB for both DL and UL
 - marking QoS flow ID in both DL and UL packets
 - reflective QoS flow to DRB mapping for the UL SDAP data PDUs
- PDCP
 - Header compression
 - ciphering
 - integrity protection
 - for split bearers, routing
 - duplication
 - entity re-establishment
 - entity release
- RRC
- RLC
 - RLC re-establishment
- MAC
 - scheduling information reporting
 - Different Mac scheduler like RR, PF, MaxCQI
 - error correction through HARQ
 - logical channel prioritization
 - Random access procedure
 - HARQ
 - PCH
 - BCH
 - DRx
 - Scells
 - BWP operation
 - SUL operation
 - Beam failure detection
 - MAC CE
 - RNTI
 - MAC header
- PHY
 - Carrier Aggregation
 - HARQ
 - Synchronization procedure
 - uplink power control
 - random access procedure
 - reporting/receiving control information
 - power control
 - FDD
 - Initial Access and Beam Management
 - Multi Beam Operation and FDM
 - Interference from another gNB
 - Channel allocation between same operating band
 - Channel raster
 - UE maximum output power reduction, power class
 - Power control
 - Transmit intermodulation
 - Reference sensitivity
 - Error Model
- Mobility
- Handover