The 5G standard
Since the completion of 3GPP Release 15—the first phase of 5G specifications—the cellular industry is expanding the capability of the network to deliver on the full promise of the Internet of Everything. Release 18 will deliver 5G-Advanced, as the mid-point of 5G standardization.

Release 18

- **SA2 led - System Architecture & Services**
  - NR (Extended Reality) & media services
  - Edge Computing Phase 2
  - System Support for V-Me equipment

- **SA3 led - Security & Privacy**
  - Privacy of identifiers over radio access
  - SCEA and SCA for 3GPP-ubiquitous network products and Management Function (MF)

- **SA4 led - Multimedia Codes, Systems, and Services**
  - Media: Video codecs for SA
  - Media Capabilities for Augmented Reality Glasses

- **SA5 led - Management, Orchestration & Charging**
  - Charging Management
  - Study on enh. for resiliency of gNB-CU

- **SA6 led - Application Enablement & Critical Communication Applications**
  - Critical Communications
    - MCE Enhancements
    - study on Evolution of NR Duplex Operation
      - NR DRX
    - Study on Evolved and Improved NR Positioning
      - Further NR RedCap UE complexity/cost reduction

Early Release 19 Studies

- **SA1 - Services**
  - Network of Service Robots with Ambient Intelligence
  - Energy Efficiency as service criteria

- **SA2 - System Architecture & Services**
  - NR (Extended Reality) & media services
  - Edge Computing Phase 2

- **SA3 - Security & Privacy**
  - Privacy of identifiers over radio access

- **SA4 - Multimedia Codes, Systems, and Services**
  - Media: Video codecs for SA

- **SA5 - Management, Orchestration & Charging**
  - Charging Management

- **SA6 - Application Enablement & Critical Communication Applications**
  - Critical Communications

The detailed content of Rel-19 will be decided in September 2023 (TBD).