

## Views on Integrated Sensing and Communication for Rel-19



- **Background**

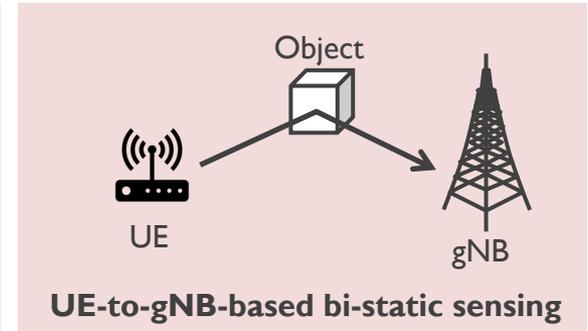
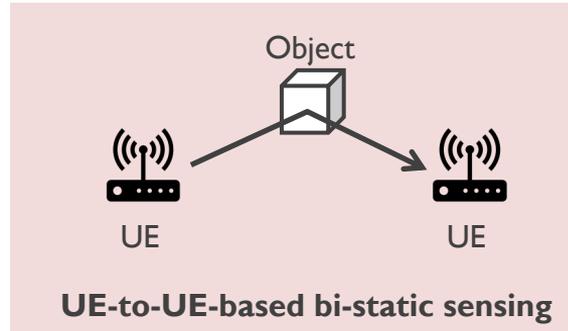
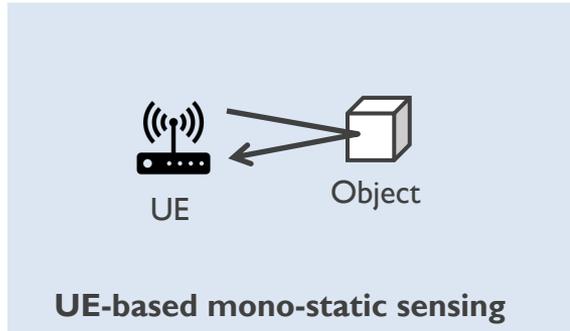
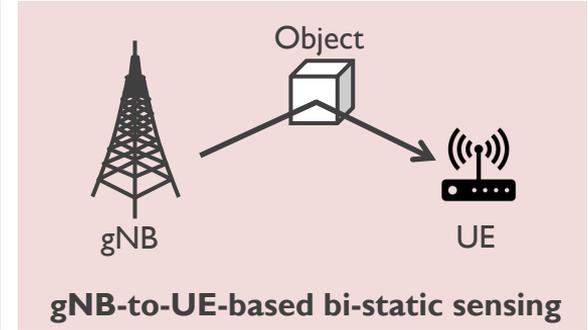
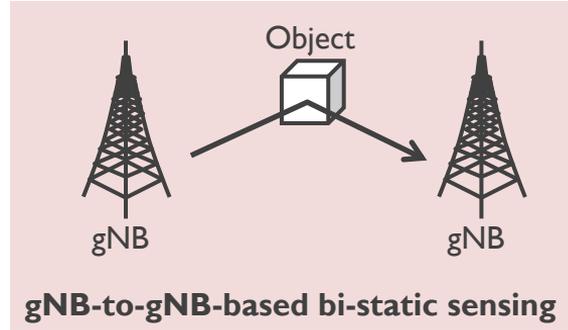
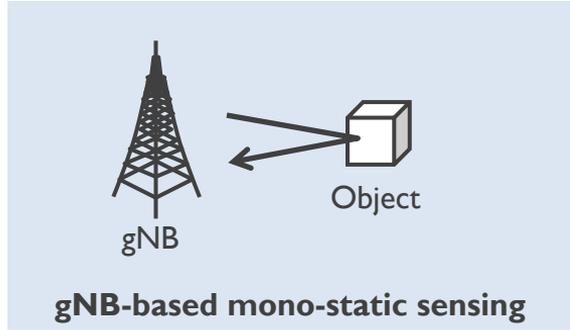
- SA1 WG is completing Rel-19 Study on Integrated Sensing and Communication (SP-220717).
- Potential use cases and service requirements have been identified and captured in TR 22.837:
  - e.g., automotive/transportation, UAV, smart city, smart factory, smart home, public safety, health monitoring, XR, gesture recognition.

- **Motivation for Rel-19 integrated sensing and communication**

- Based on the SA1 study, potential enabling RAN solutions should be studied.

# Integrated Sensing and Communication for Rel-19

- Potential sensing methods:



**Mono-static sensing**

**Bi-static sensing**

- Potential Rel-19 scope

- Identify target use cases, scenarios, and performance requirements
- Define evaluation methodology
- Study and evaluate the performance and feasibility of potential solutions (reference signal design, sensing methods, signaling, procedure, etc.)