

Slido: #IAM2024



EASA
Innovative Air Mobility
Implementation Forum

In cooperation
with:



Alliance for New
Mobility Europe



DRONE
ALLIANCE
EUROPE



Global UTM
Association



Joint European Drone Associations

Enabling C2 link using mobile network technology



Falk Götten
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Head of UAS specific category



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Workshop title:

Enabling C2 link using mobile network technology

Goal:

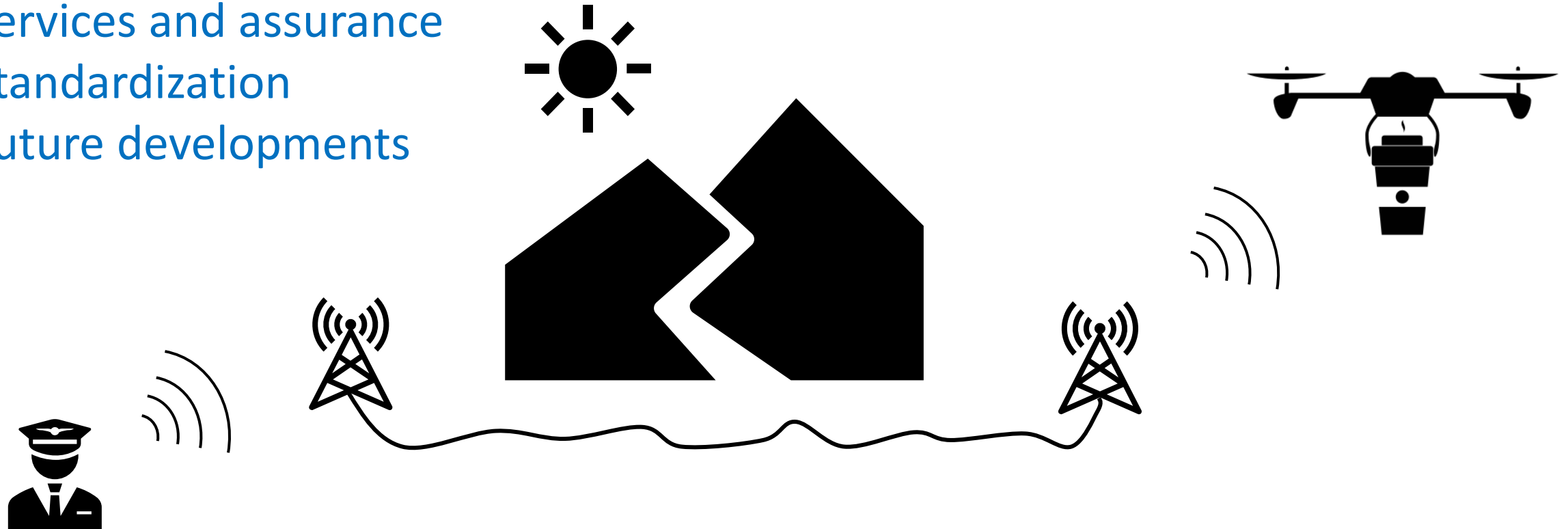
Understand how mobile network technology can be used as UAS C2 link

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Analyze the challenges to ensure safe operations

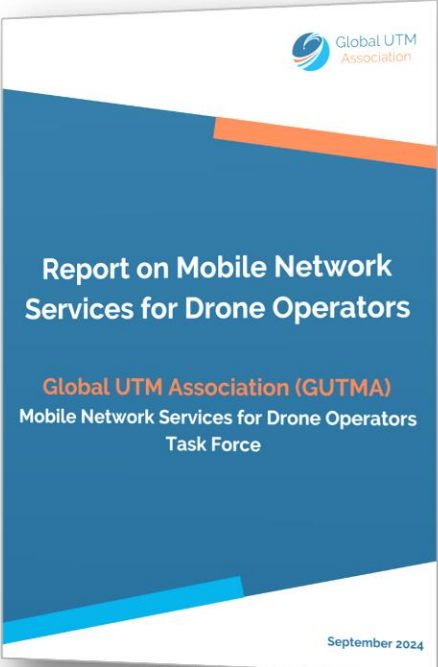
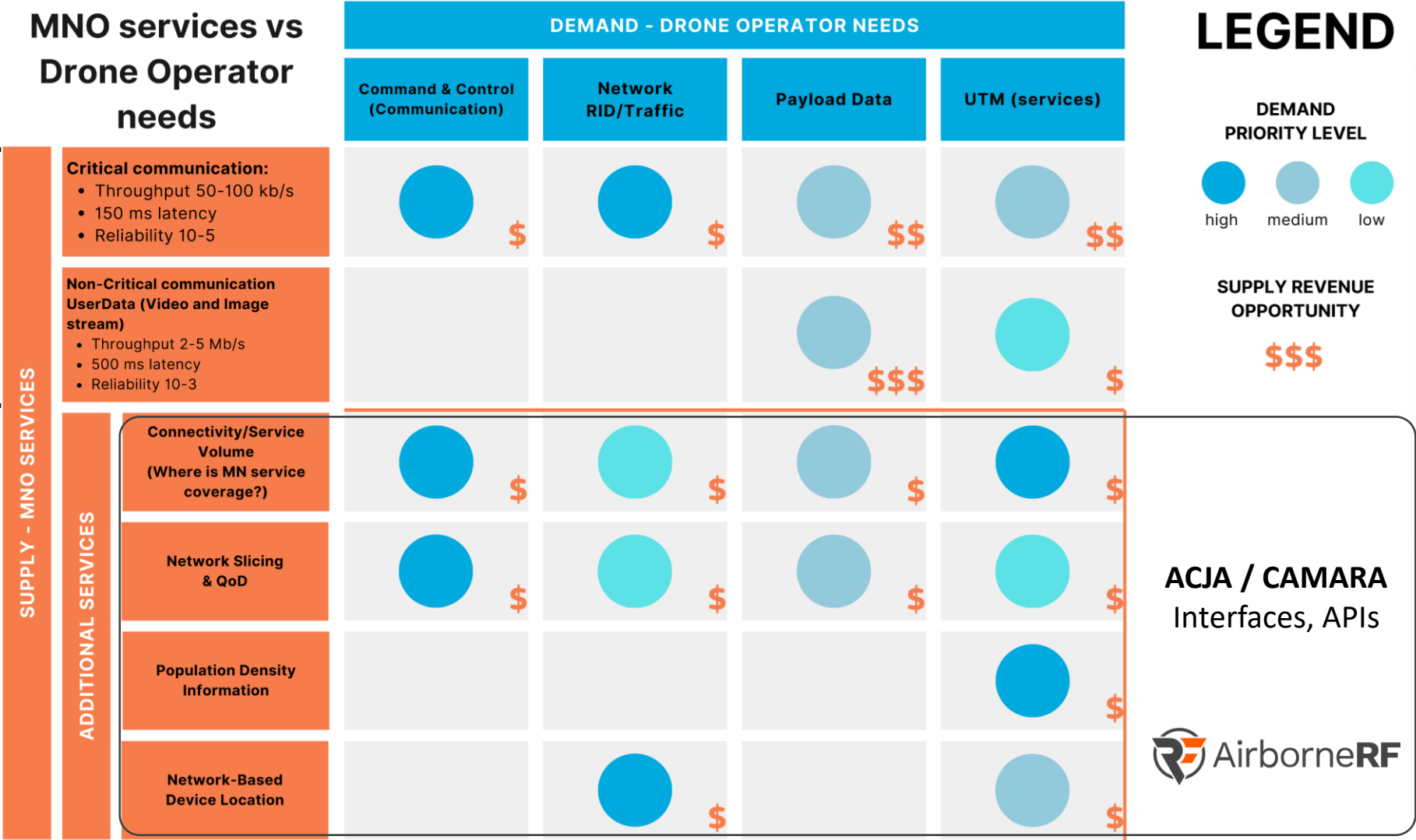
Mobile network technology for drones

- State-of-the-art use cases
- Services and assurance
- Standardization
- Future developments



Demand and Supply for MNO Services for UAS

SIM cards
and Data
Service
Offerings
(SLAs)



LTE adoption: main links with SORA

For the UAS manufacturer

- Safety assessment (OSO#5)
 - In SORA 2.5 its scope is extended to external systems
- C2 Link performances (OSO#6)
 - When supported by LTE
- Qualification for environmental conditions (OSO#24)
 - E.g.: Modems hosting SIMs

For the UAS operator

- External services (OSO#13)
 - Declaration and evidence of compliance when critical for safety of flight
- Definition of and adherence to environmental conditions (OSO#23)
 - Taking into account information provided by the UAS manufacturer