

CONNECTIVITY FOR THE CAR OF THE FUTURE SYMPOSIUM

WHAT ROLE FOR NON - TERRESTRIAL NETWORKS ?

Commercial Vehicles

16-May-2022





Truck driver shortage

Safe and attractive working conditions,
better image

Sustainable production and vehicles

Support transition of production plants and product portfolio

Powertrain mix

E-drives and fuel cell

Sustainable fuels

Diesel for emerging markets

Challenges of Commercial Vehicles OEMs until 2030

Efficiency

Uptime of truck, trailer, driver

Economy of powertrain

Transport as a Service

Transition from vehicle supplier to transport provider
on highway and off road



SERVICE EXAMPLES
Efficiency
Track & Trace
Remote State of Health
Workshop



Non-Terrestrial Networks Requirements for Logistics

- Does not replace existing terrestrial solution
- Focus on Truck, Trailer, Freight and Driver
- Starts with LTE CAT-M1 “like” bandwidth/latency
 - Coverage of European Road System
 - Integration in existing LTE/5G automotive Standard Essential Patent (SEP) licensing system

Non-Terrestrial Networks Opportunity
Providing Communication for Transport as a Service