



The Standards People

ETSI Conference on  
Non-Terrestrial Networks,  
A Native Component of 6G

# Non-Terrestrial Networks for Critical Communications

Renaud Mellies ACMOSS

Kari Junttila Suomen Erillisverkot



03/04/2024



# TCCA Critical Communication Broadband Group

Critical Communications Broadband Group (CCBG) has been created to drive

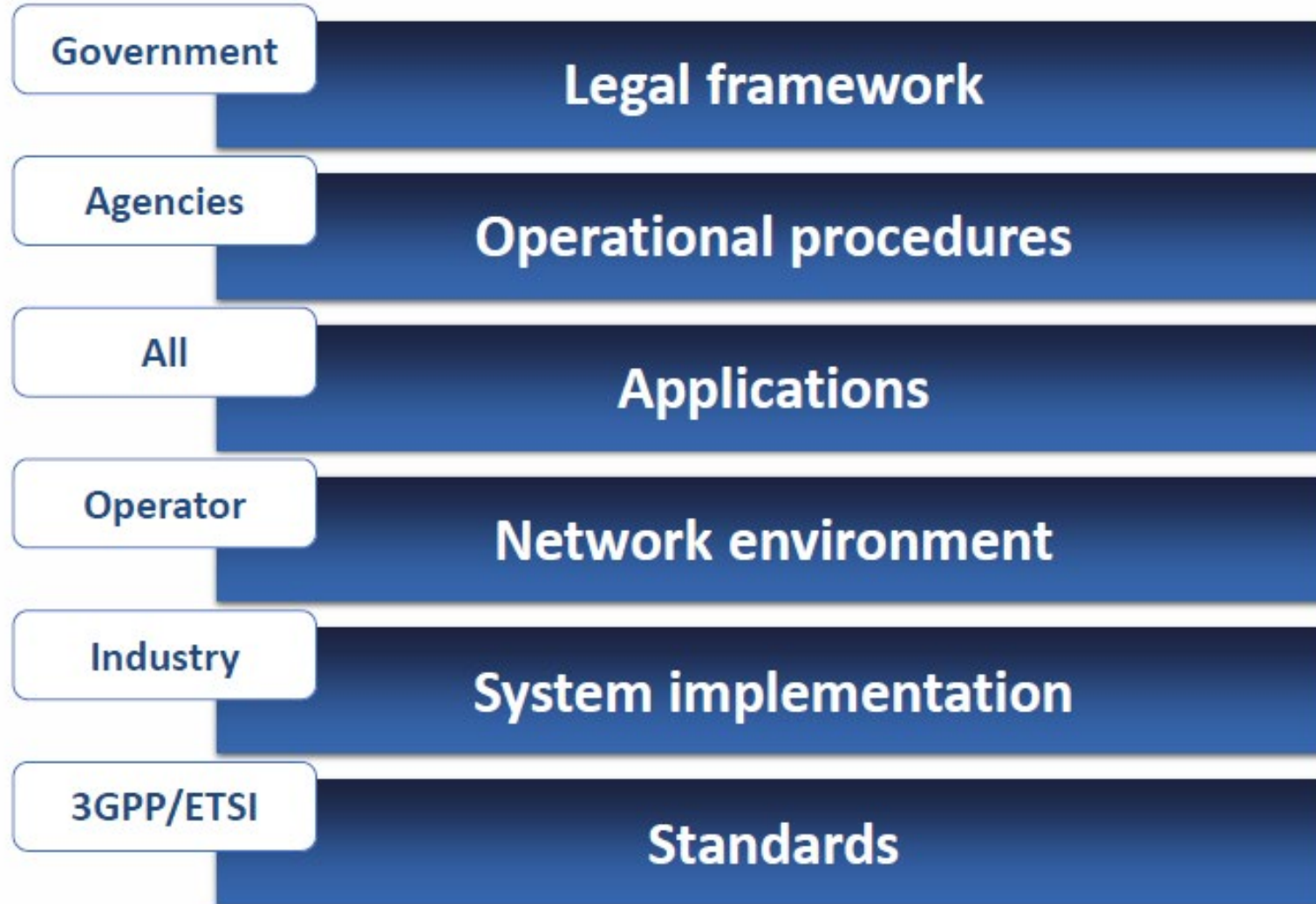
the development and adoption of common  
Mobile Broadband **standards** and **solutions**

for users who operate in a Mission Critical or  
Business Critical environment

Technology &  
harmonised spectrum



# Common eco-system layers



# Background for the TCCA NTN whitepaper

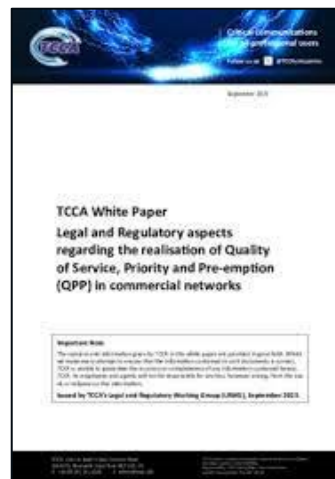
- How do we use SATCOM right now?
  - eNB backhaul, deployables, COW
- Why we need NTN?
  - Ubiquitous coverage, resilience and backup for terrestrial networks.
- What are the problems with the current solutions?
  - MCX KPIs
  - Mobility between terrestrial and NTN services
  - Single devices
  - Security



AGENCE DES COMMUNICATIONS MOBILES  
OPÉRATIONNELLES DE SÉCURITÉ ET DE SECOURS

# TCCA NTN whitepaper objectives

- to Identify the critical communication service requirements (functional, performance, operational, terminal form factor) to be supported by Satellite HAPS NTN. Including security, cyber resilience;
- Identify the added value of 3GPP defined NTN solutions for the support of critical communications (including PPDR) needs compared with non 3GPP defined satellite network solutions;
- To determine possible standardization needs for NTN in 3GPP.



# Public safety working environment

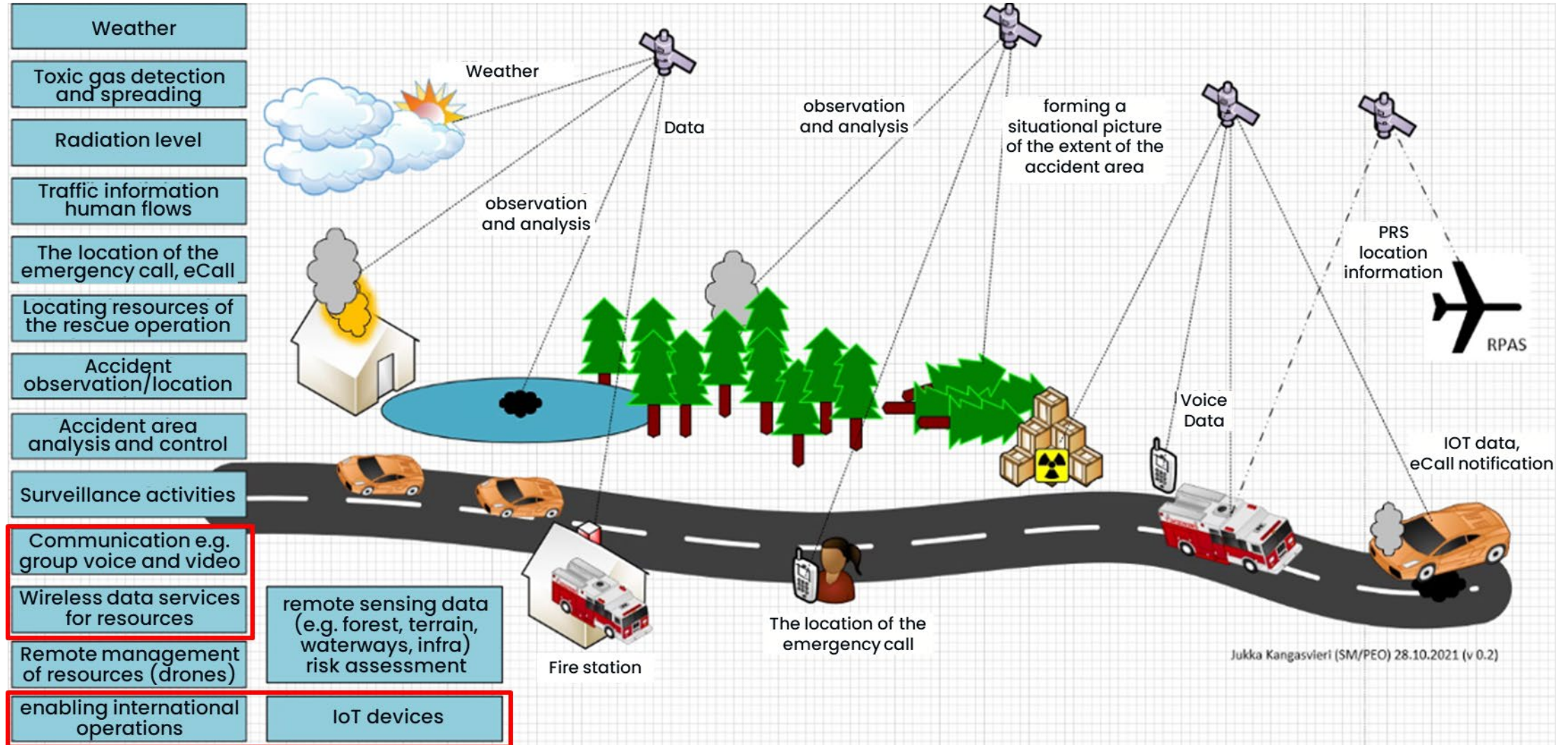


@Jarmo Vinkvist



@New York Times

# The use of the Satellite/NTN services for public safety



# Thank You

[renaud.mellies@interieur.gouv.fr](mailto:renaud.mellies@interieur.gouv.fr)

[Kari.junttila@erillisverkot.fi](mailto:Kari.junttila@erillisverkot.fi)

