



5G EXPERIMENTATION INFRASTRUCTURE HOSTING CLOUD-NATIVE NETAPPS FOR PUBLIC PROTECTION AND DISASTER RELIEF

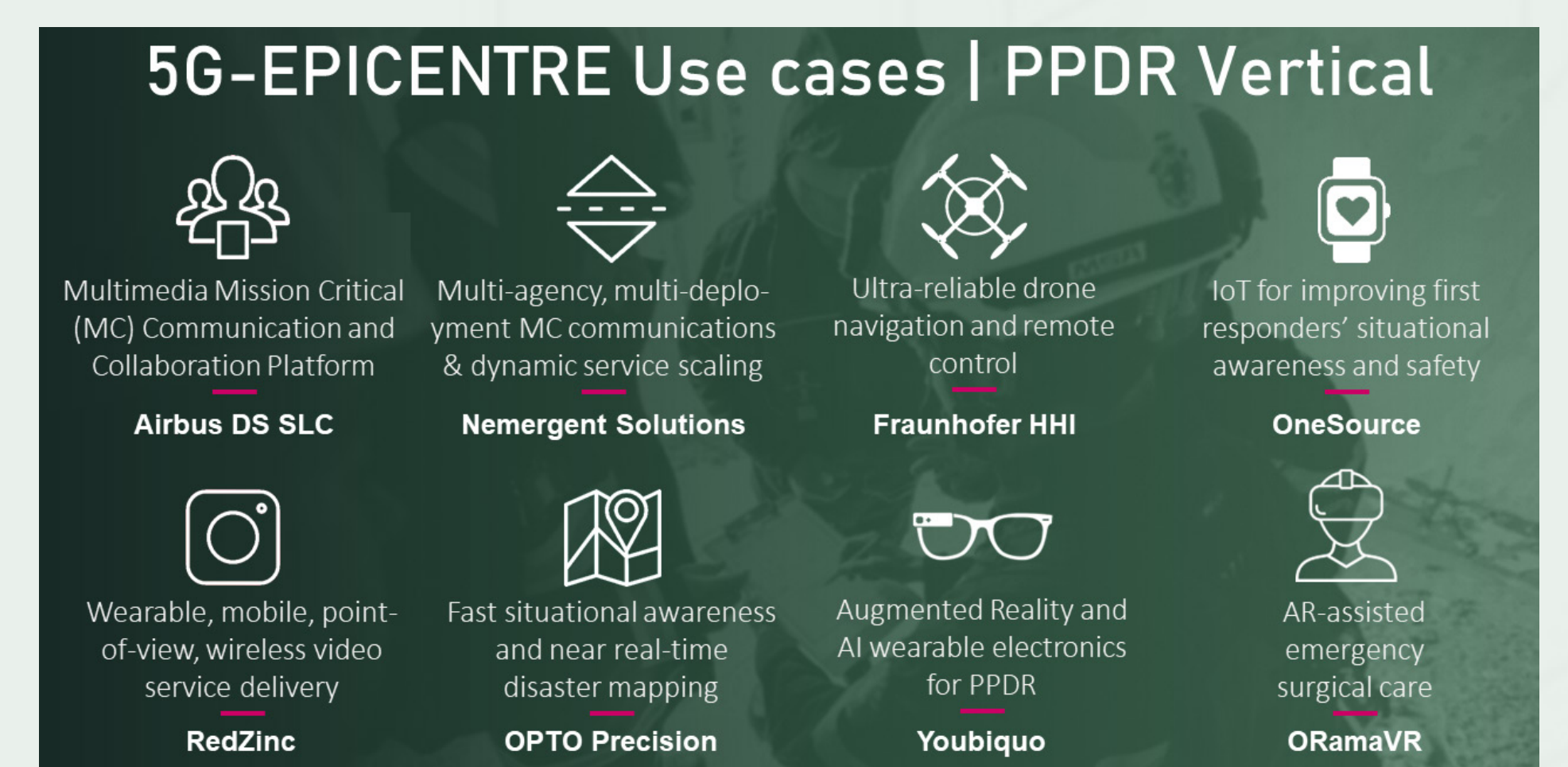
QUALITY OF SERVICE CONTROL MECHANISMS TO SUPPORT PPDR NETWORK APPLICATIONS IN 5G AND BEYOND

DEFINITION OF NETWORK APPLICATION UNDER THE SCOPE OF 5G-EPICENTRE

- Set of chained network functions (potentially forming Network Services)
- The combination of Network Services and Network Functions may form complex entities (originating Network Applications)

5G-EPICENTRE USE CASES

- Each UC includes 2+ Network Applications
- PPDR Network Applications acting as trusted Application Functions may interact directly with the 5GC to request specific policies



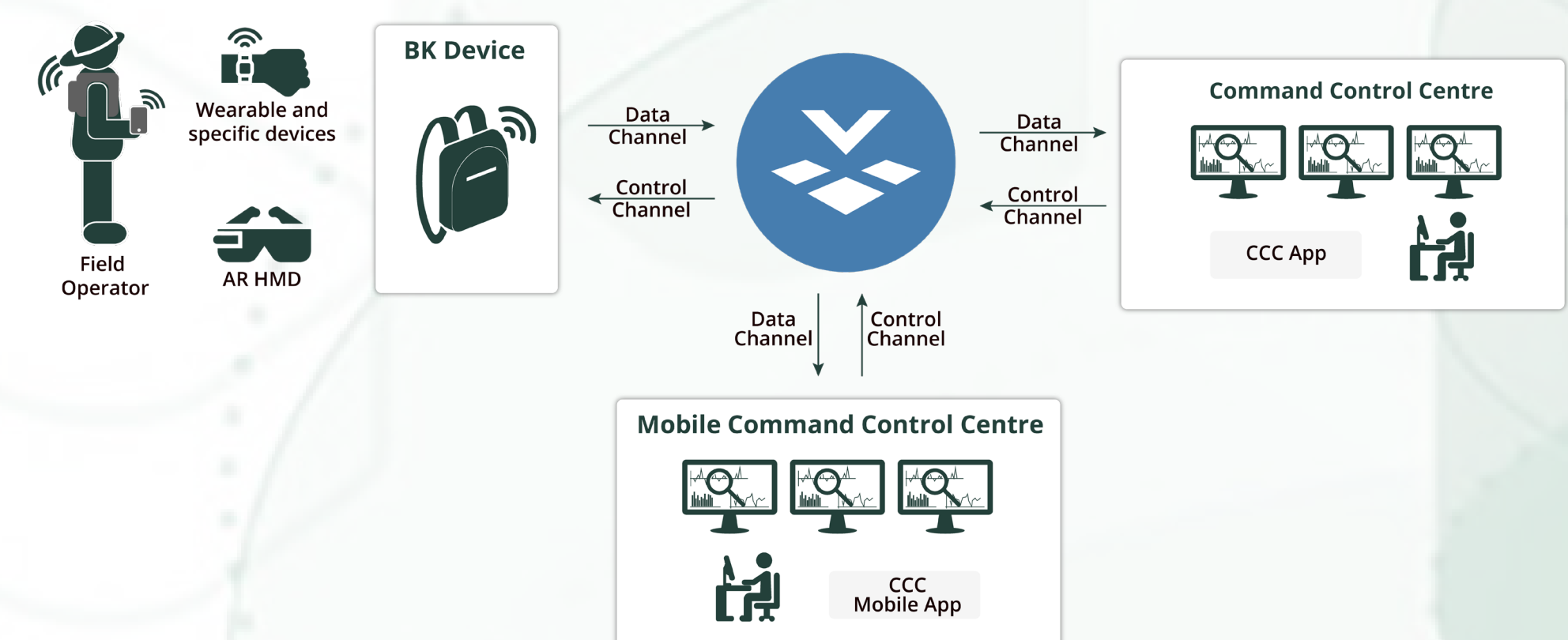
VICTORIA NETWORK (MÁLAGA TESTBED)

The integration tests were carried out in the Victoria Network testbed located at the University of Málaga. The testbed provides an NSA/SA 5G private network that includes outdoor and indoor coverage.

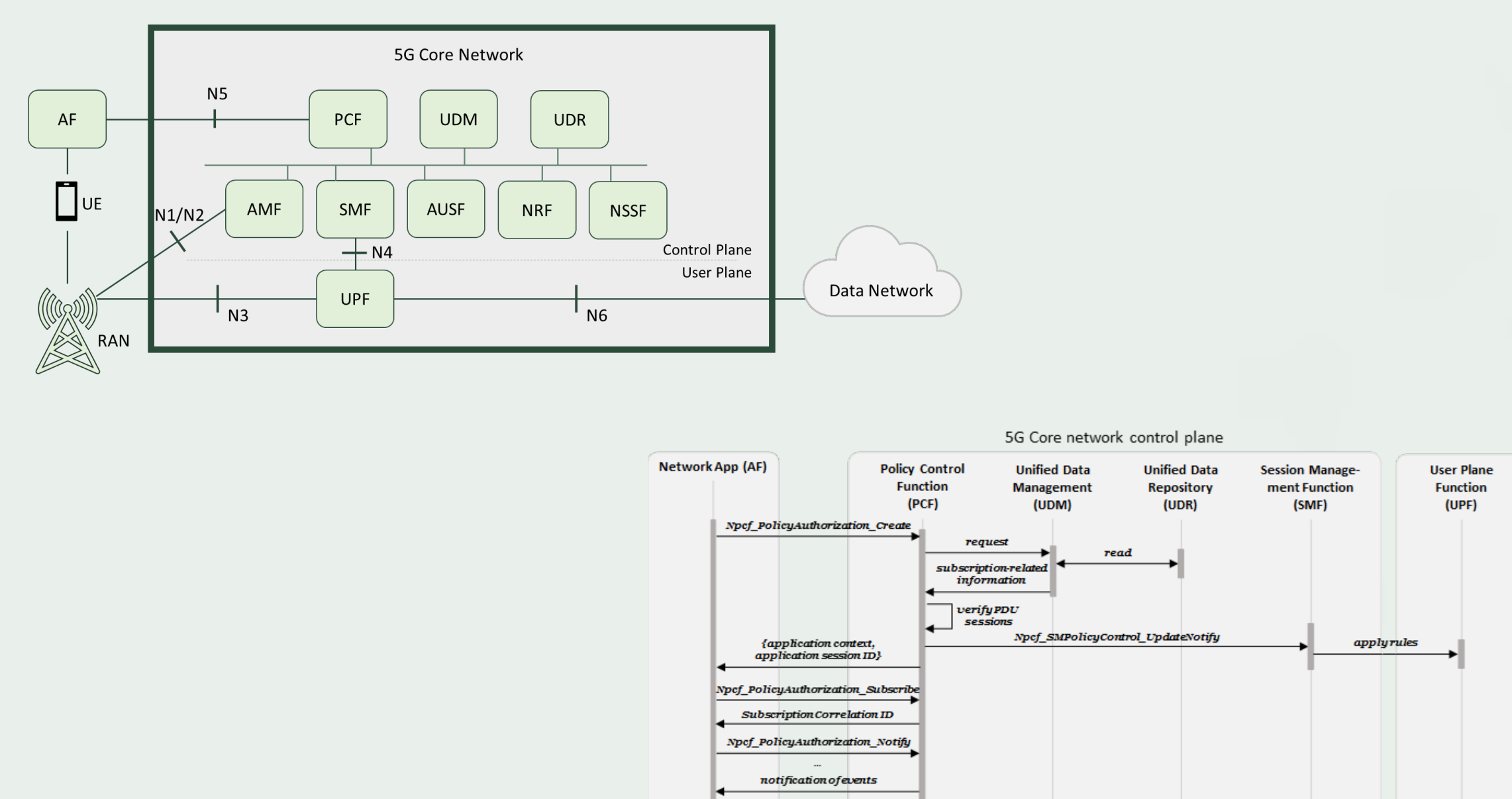


MOBITRUST SITUATIONAL AWARENESS

- Improves safety of first responders in the field
- Reduces the need for human intervention in PPDR decision-making by leveraging IA
- Increases the effectiveness of mission critical operations through MCX services over 5G

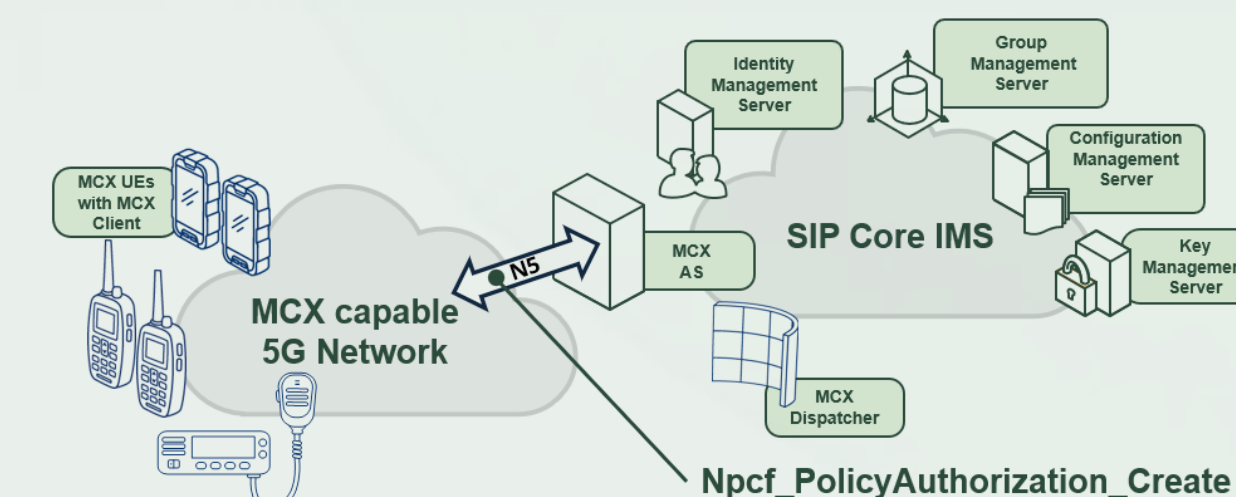


INTERACTION WITH THE 5GC



NEMERGENT OVERALL MCX SOLUTION

- Offers a standardised MCX Client/Server for critical communications in PPDR
- Interacts with the 5G to ensure specific QoS
- Npcf_PolicyAuthorization_Create process is triggered through N5 when each MCX communication starts



CONSORTIUM

