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Hybrid network orchestration

Applied to 5G

Application : Easy-to-deploy 5G bubble

Mobile 5G ground solution backed up by a SATCOM backhaul

Some use cases:

- Disaster response (mobile → quick to deploy)
- Coverage of special events
- Coverage of remote areas w/o telecom infra that contain critical and/or corporate assets

Thanks to advanced network orchestration and security features, our 5G bubbles provide:

- Full federation management
 - police, firemen, army, ambulances, e-medecine...
 - Interfaces with any remaining networks: 4G, 5G, wifi, TETRA,...
- Allocation of user priority rights according to mission, location, needs, application...
- Intelligent bandwidth controller manager
- Mobility control management, select the best bearer or roaming based on pre-defined criteria
- QoS management based on pre-defined crisis scenarios
- Advanced security features
- 5G bubbles do not require any dedicated terminals → invisible to the users

With regards to the EC requirements:

- The demo equipment available to other companies for future trials (reusable, easy to deploy)
 - Various use cases & verticals will thus be explored
- Will enrich 5G performance and standards