

## PSCE WHITE PAPER 2

# Ultra-broadband PMR: five business models for enhanced mission critical operations

Author: Philippe AGARD, Nokia



## PSCE: Future of public safety communications

### Highlights:

- **LTE can support mission-critical operations securely, cost-effectively**
- **LTE demands a complex technical, operational, and business evolution**
- **There is a choice of proven business models to make the transition to LTE**
- **The best model should be assessed under key concerns and criteria. Ask the right questions.**

Public safety communications are at a turning point. The most urgent events - planned and unplanned - require more than mission-critical voice to improve first responders' efficiency. Real-time imagery, video, geo-localization, and high-speed access to private cloud-based information and applications are becoming essential to fulfill first responders' missions. LTE provides the required capabilities to support these new services and complement existing PMR networks.

However, adding LTE in a non-disruptive and cost-effective way can be complex, with many factors to consider. Fortunately, proven roadmaps exist for a smooth migration that leverages existing infrastructure and investments and adapts to local constraints.

The white paper developed by Nokia presents five proven business models to transition to LTE which are evaluated under several requirements and criteria such as budget, timing, coverage, number of users, services, availability, security, control, regulation, resources

Given the very specific constraints of public safety communications in term of services, high availability during crisis, security, and coverage, each public safety network operator should aim to deploy its own dedicated LTE network. Nevertheless, budgetary, in-house expertise, or spectrum availability are also constraints that make alternative models such as G-MVNO sensible intermediary steps to speed the adoption of broadband services for public safety forces. Last but not least, regardless of the model chosen, the public safety agencies should also have a plan for doctrine change management, since broadband public safety services will offer new ways of conducting operations.

### **DOWNLOAD THE STRATEGIC WHITE PAPER**

[Ultra-Broadband PMR: Five Business Models For Enhanced Mission Critical Operations](#)

**FOR MORE INFORMATION, CONTACT:** [philippe.agard@nokia.com](mailto:philippe.agard@nokia.com)