



Public Safety Advisory Committee (PSAC) Task Team Deliverables Summary Fall 2015

The Public Safety Advisory Committee (PSAC) of the First Responder Network Authority (FirstNet) assembled task teams of committee member subject matter experts to provide advice and recommendations on three taskings – priority and preemption, public safety grade and user equipment. Below are summaries of the current task team assignments and activities, along with relevant documents.

Priority and Preemption: *To provide advice and recommendations on an initial framework for implementing access prioritization, user preemption, and application prioritization on the nationwide public safety broadband network (NPSBN).*

The Priority and Preemption (P&P) Task Team made significant progress in their objectives by creating a list of Incident Usage Scenarios (Appendix B) Use Cases (Appendix C), and a comprehensive framework for access and applications prioritization (Appendix D). The incident usage scenarios describe basic situations in which public safety would use the NPSBN on a majority of their incidents or planned events, such as sending Short Message Service (SMS), using Containment Warning Systems, or facial recognition software. The use cases (submitted by members of the task team) detail the jurisdictions and disciplines engaged in a potential situation involving public safety, the applications required and application usage projections for these incidents. They demonstrate how essential this framework is and will continue to be during the buildout of the NPSBN. The priority and preemption framework outlines prioritization of the NPSBN and the spectrum by public safety for incidents of peril, primary and secondary users (a firefighter versus a police department accountant) and dynamic versus static applications or services (a license plate reader application versus an automated utilities reader application).

There were two items in the tasking that the P&P task team did not address: 1) create a methodology to prioritize agencies at the local, state and federal level. This element should be picked up again in a future tasking and 2) defining who has local control. Although the task team did not define who can take local control of QPP as requested in the tasking, the team designed a solution that minimized the need for local control in all but the largest Type 1 or 2 incidents.

The P&P task team met on the following dates via conference call in 2015 to complete the assignment: February 26; March 4, 12, 27. They also met face-to-face in Boulder, Colorado on April 8. Frequent email and ad-hoc conversations among task team members allowed for the successful completion of the tasking. A special thanks to the task team members for their commitment and dedication to an aggressive project schedule.



Public Safety Grade: *To provide advice and recommendations on an initial methodology and framework for implementing public safety grade hardening elements in the NPSBN with respect to priority needs, critical infrastructure protection, and geographic and human threats to the NPSBN.*

The Public Safety Grade (PSG) Task Team worked diligently to identify critical infrastructure layers that require increased hardening and review the methodology used to filter these asset layers. Of particular note is the level of detail exhibited in determining the layers and the careful conversations around geographic hazards and their place in determining hardening. The 19 PSAC-selected critical asset layers along with their respective filtering, methodology and weighting summary are all included in Appendix E.

The PSG task team met on the following dates via conference call in 2015 to complete the assignment: February 27; March 11; May 18; July 17, 24; August 14; September 8; October 5 and 20. The team also met in person in Boulder, Colorado on April 7. Frequent email and ad-hoc conversations among task team members allowed for the successful completion of the tasking. A special thanks to the task team members for their commitment and dedication to an aggressive project schedule.

User Equipment (UE): *To provide advice and recommendations on functional objectives for and ergonomic considerations of Band 14 broadband user equipment that will meet the operational needs of first responders.*

The User Equipment (UE) Task Team received in-depth briefings on several topics related to user equipment and provided clear and unified feedback on these topics, including vehicular network systems (VNS) (originally called mobile communications units, or MCUs), bring your own device (BYOD) considerations, mobile security and voice/virtual assistants (VA). The top ten questions, answers and discussion points for each subject area are included in Appendix E for further review.

The UE task team met on the following dates via conference call in 2015 to complete the assignment: March 4; April 3, 30; May 8; July 22, 31; August 14, 21, 28; September 3, 11, 18, 25; October 16, 30; November 13. Frequent email and ad-hoc conversations among task team members allowed for the successful completion of the tasking. A special thanks to the Executive Committee members for their commitment and dedication to an aggressive project schedule.



APPENDIX A: TASK TEAM MEMBERS

Priority and Preemption (P&P)

Barry Fraser, **CHAIR**

Trey Forgety

Brent Lee

Chris Lombard

Mel Maier

Phil Mann

Gary McCarraher

Harlin McEwen

Mark Ryckman

Tom Sorley

Michael Varney

Public Safety Grade (PSG)

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Qumars Eghaneyan - contractor

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Jeff Posner - contractor

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Andrew Lindsay-Stewart - contractor

Jeff Vettraino - contractor