DEPARTMENT OF COMMERCE
National Institute of Standards and Technology

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Comments sent to:

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Sir in my official capacity I may not without permission comment. So I am sending this via my private e-mail account.

I have read your requirements for your system. They seem un manageable. I would suggest that you consider a different approach. Look at the requirements from the first responder. You need to track him, and provide basic information under divers' conditions; he needs to talk with other first responders in his area without infrastructure.

Cell phone technology is the most rapid advancing communications technology so levering there progress with a published standard for adding a self organizing TDMA systems to there basic services would be a good option. While the Nationwide Public Safety Broadband Network will be critically important it is infrastructure that will facilitate a common first response channel.

Your assessment of the importance of the feature in relation to a Nationwide Public Safety Broadband Network

Critical will provide a common channel for first responders throughout the nation and if properly implemented could be implemented as an overlay with the current cell infrastructure

Current gaps that exist preventing the realization of the full potential of the feature;

Only security/ certificate management.

Possible research and development that could take place to close any technical gaps

Attached are two files that have functional systems that could be leveraged to provide the capability The Architecture would need some work and developing the hand held systems.

What is the importance of employing open standards for the nationwide public safety network?

The standard must be open and leveraged on current standards like IPV6 , multicast and QOS for earliest adoption.

How should NIST engage public safety practitioners and technologists as part of the planned R&D projects to ensure proper prioritization of efforts and effectiveness of developed solutions?

Fully participate in the Public Safety Working group of the SDR Forum because this is the most likely avenue for early adoption.