

Question 7: Purpose of Experiment:

Exelis Inc is in the business of manufacturing and integrating tactical communication systems for both domestic and international customers. These customers include both Department of Defense and Department of Homeland Security entities. Exelis intends to acquire and test HF radio systems. Testing of these systems will include their applicability to work in a system with other radios (e.g. SINCGARS) and voice switching equipment. This testing includes the transfer of both voice and data with respect to capability and quality.

Testing of the system performance of the radio systems will include range, voice quality, and ability to transfer data. Exelis also intends to integrate the radio system with our voice switching capability for interoperation between VHF and HF voice networks.

The experimentation will contribute to the development of an integrated communication system with emphasis on the voice performance when integrating these HF radio systems with other radio systems through the Exelis voice switching technology.