

Exhibit B

Program Potential

How the program of experimentation has a reasonable promise of contribution to the development, extension, expansion or utilization of the radio art, or is along line not already investigated.

Edge communications environments scale widely – variations include data collection and establishing network communications down to the last tactical foot stretching the capabilities of today's military networks located in unpredictable surroundings; to first responders facing disaster scenarios; to densely populated third world cities where disadvantaged users may not have the knowledge or technology to support emergency or tactical situations. What these environments share in common is that data collection and timely dissemination of information to and from 'edge' environments and the user is unpredictable & often challenging if not impossible to predict. The Edge Communications architecture will provide users with the ability to transmit and receive data (consisting of voice, text, image, video, fused information) from the scene of an event or activity where existing communication infrastructures are unavailable or unreliable. This invention shall provide accurate and timely collection and transmission of critical data collected via heterogeneous networks composed of sensors, data collectors (machine or human), routers, transmitters and controllers which may be located in urban, field and other disadvantaged communication environments to a mobile or stationary operations center and/or network management control center, which will advance the development and extension of radio-based technologies. Because this solution will be utilized in various demanding situations, the Edge Communications architecture is designed with flexibility and risk aversion in mind, thereby reliably fulfilling critical information needs (which are currently unmet) such as: situational awareness, technical, medical and tactical; providing status to geographically diverse resources and users.