

## **McKinney Radar Justification**

### **Purpose of Operation:**

Raytheon Network Centric Systems (NCS) shall design, integrate test and demonstrate the capabilities of a border protection security system. The system utilizes a ground tracking Doppler radar integrated with Electro Optic and Infra Red cameras to provide all weather intruder detection and recognition.

### **STA Explanation:**

To enhance Raytheon's capabilities in the area of security and border protection and to support commercial proposals both in the US and abroad, the company needs to perform system integration and test on various design solutions using off the shelf commercial components. The current radar under evaluation (DMT fast scan) is a commercially available ground surveillance radar and it is proposed that this radar will operate at the McKinney facility and provide track data for integration with the command and control systems under development. Transmission from the radar is necessary to provide realistic track information to validate the detection and camera control capabilities that are required for this type of border protection system.