

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 (EO) and Infrared (IR) cameras to provide all weather intruder detection and recognition.

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 commercial off the shelf (COTS) components. The current radar under evaluation, the Detection Monitoring Technologies (DMT) Fast Scan, is a COTS ground surveillance radar. It is proposed that this radar operate at the indicated facilities 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.

Caveat:

The COTS Radar and EO/IR Cameras will operate in a non-interfering condition.