

# **Exhibit A**

Lockheed Martin is requesting operation of one SR Hawk Radar for research and application development. The Syracuse test facility will be used as a main demonstration site for USA and foreign government clients, with occasional operation within the Continental USA. CONUS operation, excluding densely populated urban settings and cities, will allow demonstrations and integration trials in different environments, with different fields of view.

The SR Hawk radar provides perimeter defense surveillance. The unit has applicability to various Homeland Security, DOD, and international boarder protection missions, is an inherently transportable system providing short range land/border monitoring when in a fixed and emplaced position.

A circularly polarized slot array antenna is mechanically rotating 360 degrees with the following characteristics:

Horizontal Beam width: 1.9 deg.

Vertical Beam width: 3.8 deg

Vertical scanning: -33.75 to +22.5 deg.

Maximum land elevation of the Syracuse, N.Y. antenna location: 500 feet above sea level.

One radar is to be operated within a 1km radius of the Syracuse station location, operating only when fixed. Syracuse operation will stop when various locations in the CONUS are expected, primarily Suffolk VA, to South and Southwest

Operation from tripod stands or mobile tower no higher than 40 feet above ground level.



**SRCTec Inc. "SR Hawk" Model SRC-2362**