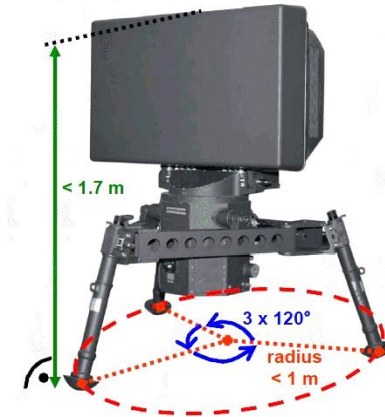


Antenna Sketch

Proposed mobile antenna mechanically rotates to 3 pointing positions. Radiolocation beam electronically scans while in a fixed position:



Cassidian Electronics Model #TRxS Radar Antenna

(Includes derivatives #Spexer 2000, and 1500)

Note: Antenna and tripod above is the typical placement at the ground level. Proposed experiment to include placement of antenna and tripod on buildings for increased height to 4.7m (14.3 feet) from ground to tip of antenna.