Radio Solar Telescope Network (RSTN)

PROGRAM/PROJECT:
LEAD AGENCY: Headquarters United States Air Force, Directorate of Weather (HQ USAF/XOW)
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SERVICE AREA(S)/INITIATIVE(S)

- ***National Aviation Weather Initiatives:***
  N/A

FUNDING

- ***Programmed/Planned ($'s/FY):*** /FY03 /FY04

TYPE OF PROGRAM/APPLICATION

Product Development

SCOPE OF PROGRAM/PROJECT

- ***What's being developed, procured, etc.:*** *prototype replacement for fixed frequency component of system.*
- ***How operations will be changed/improved:*** *potential increase in capability to monitor/report solar radio frequency interference affecting DoD communications and surveillance.*

PROGRAM/PROJECT MANAGEMENT

- ***Basic guidance document for this program:*** USAF Statement of Need (SON) 015-85, USAF System Operational Requirements Document (SORD) 015-85-1A, HQ AFSPC 035-92 Environmental Sensing Mission Need Statement (MNS), 8 Jan 93, HQ AFSPC/DRF Operational Requirements Document for the Solar Radio Burst Locator (SRBL), 3 Sep 99. Program Management Directive (PMD 6250 (3), 16 Jun 88, Program Directive: Air Force Weather Weapons Systems (AFWWS), PMD 2326(5)/ PE0305111F, dated 19 Jan01.
- ***Program's verification process:*** Engineering drawing verification. Field testing using comparisons with original prototype.
- ***Method used for product validation:*** Comparison with other sources of solar radio burst observations.
- ***Operational training for the user:*** Initial hands on training with installed prototype.

SCHEDULE/IMPLEMENTATION

- ***Next major program milestone:*** N/A
- ***Program becomes operational:*** Following successful test and procurement of remaining network ~ FY06
- ***Plans for further improvements:*** Potential antenna replacements to reduce system costs.