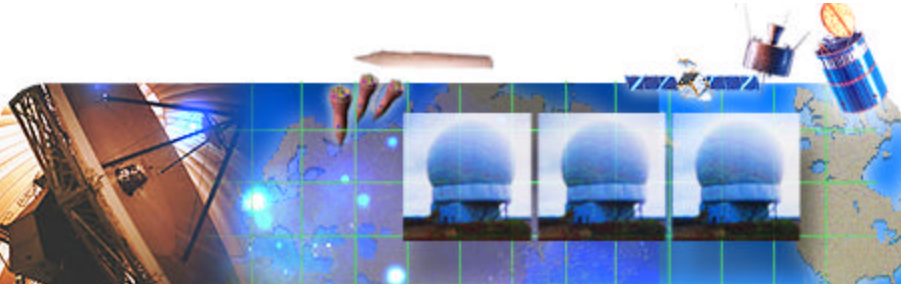


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AN/FPS-129 HAVE STARE

The AN/FPS-129 HAVE STARE radar system supports multiple missions and users with high-quality signature data.

The HAVE STARE radar system is a unique 27-meter X-band mechanical dish radar with stringent performance requirements — metric accuracy, sensitivity, sidelobes — that provides high-resolution data collection using narrowband, high-PRF wideband, and other specialized waveforms. HAVE STARE's accuracy exceeds the capabilities of all existing U.S. Air Force radars.

The HAVE STARE system was originally designed to collect intelligence data against ballistic missiles, with aerodynamic and satellite tracking as secondary missions. Its current primary mission is to collect data on deep-space satellites, and its secondary missions are near-earth satellite tracking and data collection on missile and aerodynamic targets. HAVE STARE has successfully completed verification testing against the baseline requirements. Deep-space tracking and data collection as well as mission planning and communication functions provide HAVE STARE with space surveillance network sensor capability.

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