

Project Description

The 24 month renewal is proposed for the TPS-X experimental radar in existing test facilities. Performance testing is requested to advance radar antenna, modulator, and data processing technology.

Benefits of such testing will be used to upgrade or replace technology for fielded TPS-77, FPS-117 and TPS-59 used by the USAF and USMC.

Verification of the experimental radar will use three sizes of phased array technology platforms named TPS-X(B), TPS-X(C), and TPS-X(D). Testing includes antenna / system demonstrations, proposal data support, array element fault location, performance monitoring, aircraft tracking analysis, detection performance, system reliability, and software development.