

**CLASSIFICATION:**

**UNCLASSIFIED**

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**A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:**

The FY 2002 budget reflects a \$1.500 million Congressional add for the Tactical All Weather Collection Long Range (TACL) Synthetic Aperture Radar Reconnaissance system (SAR) Pod which has been decreased by .013 million for an Undistributed Congressional reduction, decreased by .013 for SBIR Transfer, decreased by .003 for a Congressional Rescission and decreased by .004 for Economic Assumptions.

This program element provided for the development of improvements to the Navy F-14 squadrons in order to counter the projected threat through the year 2001. The F-14D increased capability in three major areas: new engine, new digital avionics, and upgraded radar. These changes yield significant improvements in capability and performance, as well as reliability and maintainability, and will facilitate the total integration and exploitation of related programs i.e., Joint Tactical Information Distribution System (JTIDS), Infrared Search and Track System (IRST), and inclusion of Airborne Self-Protection Jammer (ASPJ) in the electronic warfare (EW) suite for the F-14D operational evaluation. A Pre-deployment Update (PDU) program (primarily software) includes air-to-ground ordnance delivery capability, full Link 16 capability, and radar/Electronic Counter-Countermeasures (ECCM) improvements for the F-14D. The PDU program was created because of concurrent development of the F-14D and the above listed common avionics and weapons. It implemented the capabilities inherent in systems incorporated during the full scale development (FSD) program and was a planned integral part of the evolution of the F-14D aircraft. F-14 weapons integration supports integration of EW improvements and correction of OPEVAL deficiencies. Funding was also provided for various software upgrades such as Global Positioning System, and accommodates the realignment of Aviation Depot Level Repairables (AVDLR) from Major Range and Test Facility Bases to direct project funding. FY2001 included a Congressional plus up of \$9 million for Synthetic Aperture Radar (SAR) Pod. These funds were used to demonstrate a podded SAR system on the F-14. Additionally, a \$1 million Congressional plus up was included for Radar Warning Receiver (RWR) Antenna Replacement and System Enhancement. These funds were used to fund the research, development and test costs associated with procuring new RWR antennas system upgrade. The FY 2002 Congressional increase for TACL SAR was used to conduct flight demonstrations of X-BAND High Resolution Synthetic Aperture Radar (SAR) Pod.

R-1 SHOPPING LIST - Item No.

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### Exhibit R-2. RD TEN Budget Item Justification

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