

**Transmittal No. 03-08****Notice of Proposed Issuance of Letter of Offer  
Pursuant to Section 36(b)(1)  
of the Arms Export Control Act****Annex  
Item No. vii****(vii) Sensitivity of Technology:**

1. The Combined Interrogator Transponder (CIT) AN/APX-111(V) IFF system was specifically designed for the F/A-18. The Interrogator function provides the pilot with capability to identify cooperative or friendly aircraft. The transponder function self-identifies the aircraft to other off-board interrogators in the same way as the APX-100 transponder. CIT combines most of the interrogator, transponder, and crypto computer functions into one unit outline. The electronically scanned interrogator antenna function is performed by a five-blade array and Beam Forming Network (BFN).

2. The configuration requested is compatible for use in F-18 aircraft. The configuration consists of the following equipment: RT-1763A/APX-111(V) interrogator-transponder, KIV-6/TSEC cryptographic computer, C-12481/APX-111(V) beam forming network, (5X) AS-4440/APX-111(V) antenna blade elements, IT-to-BFN cable group, BFN-to-FMA cable group, receiver-transmitter radio, antenna position control, antenna set (upper), battery charge panel, external power monitor, ID light transformer/mount, mounting tray assembly BFN, 3L landing gear control unit bay, LGCU mounting tray assembly and relay panel no. 3. AN/APX-111 CIT is classified as Confidential.

3. The Tactical Aircraft Moving Map Capability (TAMMAC) System will alleviate problems, including parts obsolescence issues, associated with the Digital Video Map Set (DVMS) and the Data Storage Set (DSS) currently installed on the F/A-18. The DVMS does not possess sufficient throughput or database storage capability to support future F/A-18 operational requirements. Additionally, the DVMS cannot use Compressed AC Digitized Raster Graphic, the new digital map database provided by the National Imagery and Mapping Agency (NIMA), without costly preprocessing. The DSS does not provide enough memory capacity to store the desired amount of data recorded by the aircraft during flight.

4. The configuration requested is compatible for use in F-18 aircraft. The configuration consists of the following equipment: advanced memory unit, MU-1129A/A memory unit, digital map set, and CP-2414A/A digital map computer. TAMMAC system is classified as Confidential.

5. The Multifunctional Information Distribution System (MIDS) Low Volume Terminal (LVT) is a secure data and voice communication network using the Link-16 architecture. The system provides enhanced situational awareness, positive identification of participants within the network, secure fighter-to-fighter connectivity, secure voice capability, and ARN-118 TACAN functionality. It provides three major functions: Air Control, Wide Area Surveillance, and Fighter-to-Fighter. The MIDS LVT can be used to transfer data in Air-to-Air, Air-to-Surface, and Air-to-Ground scenarios.

6. The configuration requested is compatible for use in F-18 aircraft. The configuration consists of the following equipment: RT-1765 C/USQ-140(V)C MIDS/LVT and MIDS notch filter set. MIDS/LVT is classified as Confidential.