Single Integrated Air Picture

DESCRIPTION

The Single Integrated Air Picture (SIAP) is the air component of the Common Tactical Picture (CTP) that is generated and distributed by the sensors and command-and control systems that make up the Joint Data Network (JDN). For the Marine Corps, the current SIAP sensors are the AN/TPS-59, AN/TPS-63, and AN/TPS-73 Radars. Current command-and-control systems are the AN/TYQ-23 Tactical Air Operations Module, the Multi-Source Correlation System, the AN/TSQ-131 Command and Control Sub-system and the Air Defense Control Platform. Future systems include the Common Aviation Command and Control System (CAC2S), Air Surveillance and Precision Approach Control System (ASPARCS), and the Multi-role Radar System. The primary means of sharing the SIAP is through the components of the Multi-Tactical Data Link (TDL), which include Link 16, Link-11A/B, Link 4/4A and NADGE Link-1, which feed the JDN.

OPERATIONAL IMPACT

The anticipated improvements produced by SIAP will enhance the capabilities of our current and future command-and-control systems and aviation platforms. A CTP that is reliable and accurate will provide a significant improvement in our ability to employ our aviation assets and increase our combat effectiveness while preserving our war fighting assets.

PROGRAM STATUS

Fixes to the SIAP are being approached using a spiral development system supported by a series of block improvements. Block 0 fixes are currently funded for implementation in USMC systems that require them. Block 1 engineering tasks have been defined and the Marine Corps has commenced Block 1 engineering and implementation.

PROCUREMENT PROFILE:	FY03	FY04
Quantity:	0	0

DEVELOPER/MANUFACTURER
Multiple