

Display Systems

FACT SHEET: INTEGRATED COCKPITS

L-3 Display Systems provides critical aircraft and systems integration design and support services to aircraft primes, integrators and military services / users. As an example: For NASA, we developed a fully redundant, cross referenced interface, fail safe electronic flight instrument system which provided aircraft state data management for their astronaut training T-38N fleet. This allowed the removal of many legacy federated single function avionics Line Replaceable Units (LRUs) freeing up space in the avionics bays for TCAS and FMS systems.

L-3 DS has integrated several functions such as a digital flight director into our smart multi-function displays with robust certifiable DO-178B software.



C-27J Integrated Cockpit



C-130J Integrated Cockpit



T-38C Avionics Upgrade Program



JAS-39 Cockpit Display System

L-3 Display Systems: A Proven Avionics Integrator

- **Supporting Primes/OEMs/Services for cost effective solutions**
NASA (T-38N), Lockheed Martin (C-130J, U-2, AH-64), Raytheon (Javelin), Alenia (C-27J), Boeing (C-17, CH-47F), L-3 IS / GMAS (Joint Cargo Aircraft)
- **PRISM: Integrated Core Processing**
Mission, CNS/ATM Computing, Digital Maps, Net Centric Processing, Data Link Management, Primary Flight Display (PFD), Multifunction Display (MFD), Electronic Engine Display (EED)
- **Open System Architectures and standards**
“Smart” Displays with various AMLCD sizes and orientations, PowerPCs with Green Hill Integrity-178 RTOS, OpenGL Graphic Engines with LynxOS, VITA 46 6U VME, ARINC 653, DO-254, DO-178B, DO-160E, Mil and Commercial Interfaces, Standards and Guidelines



communications

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