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Autonomic Logistics Information System (ALIS) Maintaining & Sustaining Critical F-35 Lightning II Systems





Autonomic Logistics Information System (ALIS)

Maintaining & Sustaining Critical F-35 Lightning II Systems

It takes more than steel, advanced electronics and engine thrust to make the F-35 Lightning II, the most advanced fifth generation fighter, take flight. It is the Autonomic Logistics Information System (ALIS) that gives F-35 Lightning II operators the ability to plan ahead, to maintain, to plan and sustain its systems over the life of the air vehicle. ALIS provides the IT backbone and capabilities to support current and future Warfighters across the U.S. services and the world.

ALIS integrates a broad range of capabilities including operations, maintenance, prognostics, supply chain, customer support services, training and technical data. A single, secure information environment provides users with up-to-date information on any of these areas using web-enabled applications on a distributed network.

ALIS will serve as the information infrastructure for the F-35, transmitting aircraft health and maintenance action information to the appropriate users on a globally-distributed network to technicians worldwide.

ALIS receives Health Reporting Codes while the F-35 is still in flight via an radio frequency downlink. The system enables the pre-positioning of parts and qualified maintainers on the ground, so that, when the aircraft lands, downtime is minimized and efficiency is increased.

ALIS allows the F-35 systems to deliver operational and training execution with innovative technologies that meet the demands of everyday use.

ALIS: Maintaining & Sustaining Critical F-35 Lightning II Systems.

Features:

- Single, Secure Information Environment
- Distributed Network Based on Web Technologies
- Capabilities Integrate Broad Range of Domains
 - Operations
 - Maintenance
 - Supply Chain
 - Customer Support Services
 - Training
 - Tech Data
 - External Interfaces
- Integrated COTS/developed solutions utilizing best in class applications
- Support is in place today to support the development and test of the first production aircraft
- Service oriented architecture allows for reach back to legacy systems and future IT initiatives
- Key enabler supporting Performance Based Logistics (PBL) for the F-35



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