Case Study

Lockheed Martin – JSF (F-35)

FavoWeb
Web-based Dynamic FRACAS

FavoWeb has been awarded a contract to provide the Failure Reporting Analysis and Corrective Action System (FRACAS) for the world's most advanced multi-role combat aircraft – JSF (F-35).

Lockheed Martin Aeronautics Co., headquartered in Fort Worth, Texas, is the prime contractor for the F-35 Joint Strike Fighter program. The Joint Strike Fighter (JSF) is being developed for the US Air Force, Navy and Marine Corps and the UK Royal Navy. The stealthy, supersonic multi-role fighter is to be designated the F-35. The JSF is being built in three variants: a conventional take-off and landing aircraft (CTOL) for the US Air Force; a carrier based variant (CV) for the US Navy; and a short take-off and vertical landing (STOVL) aircraft for the US Marine Corps and the Royal Navy.

In September 2003 Lockheed Martin has selected FavoWeb as the FRACAS Software for the F-35 JSF (Joint Strike Fighter). FavoWeb forms the Reliability Analysis core of the F-35 JSF Autonomic Logistics Information System (ALIS) and will provide capabilities for Failure Events data collection, importing failure and analysis information from JSF vendors, R&M Reviews, Corrective Action and more.

FavoWeb, a web-based COTS with easy adjustability and an intuitive user interface, proved to be unsurpassable in the scope of capabilities for sustaining and improving reliability of JSF SDD stage: reliability trends, sophisticated statistics, a seamless connection with RAM Commander, a reliability toolkit developed by A.L.D. and used by reliability engineers worldwide for reliability tasks, improving product design. Finally, FavoWeb incorporates strong FRACAS capabilities, with special focus on corrective action mechanism, logistics tree and serial number tracking module.

"The F-35 JSF uses a "best-value" approach in choosing subcontractors and suppliers. That means the best of international industry can potentially join the F-35 JSF team and contribute to keeping the F-35 affordable and unparalleled in quality"

Ouoted from Lockheed Martin Web site

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