F-16 CCIP
COMMON CONFIGURATION IMPLEMENTATION PROGRAM
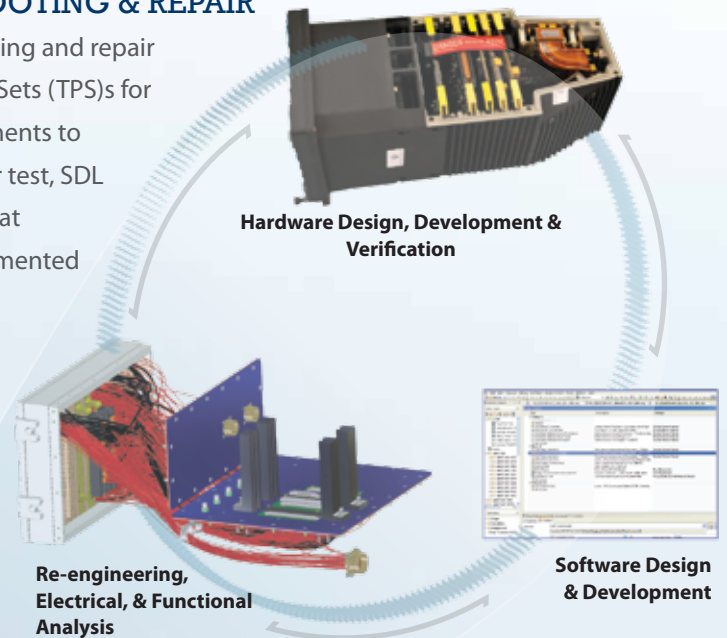
DEVELOPING HARDWARE TEST SOLUTIONS TO SUPPORT DEPOT-LEVEL AIRCRAFT AVIONICS TROUBLESHOOTING & REPAIR

Supporting Hill Air Force Base in establishing organic troubleshooting and repair capability for avionics, SDL designed and developed Test Program Sets (TPS)s for F-16 Video Display subsystems that examine critical hardware elements to determine which contribute to display failures. For each unit under test, SDL developed the Acceptance Test Specification (ATS), the software that executes the ATS, and the Interface Test Adapter (ITA) that is implemented on the Air Forces' automated test system, the LM-STAR©.

Hardware Design, Development & Verification

SDL TEST SOLUTION CAPABILITIES

Re-engineering services for development of technical data packages for 'black box' equipment

- Electrical & functional analysis of equipment for test plan development
- Test software design & development
- Hardware design, fabrication, & assembly
- Test system integration, sustainment, & support
- User & maintenance documentation (Technical Order) generation

Re-engineering, Electrical, & Functional Analysis

Software Design & Development

Space Dynamics
LABORATORY
Utah State University Research Foundation