LINK 16 CERTIFICATION PROCESS AS A SERVICE (CPaaS)

Effectively navigate the Link 16 Tactical Data Link (TDL) certification process.

By building a comprehensive, customizable plan to meet our customers' requirements, we navigate the process alongside the customer every step of the way.

DESCRIPTION

Certification Process as a Service (CPaaS) helps our customers and Program Management Offices (PMOs) understand the requirements of the Department of Defense (DOD) Link 16 TDL certification.

Any platform employing a Link 16 terminal needs to be certified to be allowed on an operational network. There are four certifications/approvals required as noted in the figure below. Through CPaaS, L3Harris assists our customers, typically Service PMOs/platform integrators, by helping them understand the DOD Link 16 certification process for their systems and platforms. We also provide different levels of facilitation based on customer experience to customers requesting direct support with navigating the Link 16 TDL certification process.

For each of the four certifications/ approvals listed in the figure below, it is important to understand who has the lead – either the government (PMO) with the vendor(s) supporting or the vendor with the government supporting, which is explained during the CPaaS. We provide an understanding of the two certifications required of the Link 16 terminal itself – United States Government (USG) (2) and Spectrum Certification (4). We also provide an education on the DOD Link 16 TDL certification (1) and cyber security (3) approval. We explain how these four certifications/approvals fit together to yield a fully Joint Interoperable Process (JIOP) certification allowing the system/ platform to participate on operational Link 16 networks.

CPAAS PROVIDES

> Detailed understanding of the DOD's Link 16 TDL certification process that includes Mission Analysis, Information Exchange Requirements (IERs) determination, IER-based command and control (C2) and Non-C2 functional area requirements determination, system development timeline coordination with Developmental and Operational Test (DT & OT) agencies, and Service and Joint Interoperability Test Command (JITC) test agencies leading to an established plan to obtain a JIOP certification.

> Basic overview of the USG crypto certification requirement that yields the Link 16 terminal crypto certification and Operational Security Doctrine (OSD).

> Understanding of the Electromagnetic Compatibility (EMC)-Features certification requirement for the Link 16 terminal and how it leads to an National Telecommunications and Information Administration (NTIA) Stage 4 spectrum certification. An understanding of the Temporary Frequency Assignment (TFA) and Permanent or Regular Frequency Assignment (PFA or RFA) processes and when and how to develop/submit a TFA/ PFA for your system/platform.

> Customer/PMO understanding of the DOD's and Services', as applicable, EMC (MIL-STD 461) requirements for the system/platform.

Education and Understanding of the TDL Certification Requirements

KEY BENEFITS

> Empowers PMOs by obtaining an in-depth breakdown of the Link 16 certification/approval processes to operate in the Link 16 enterprise.
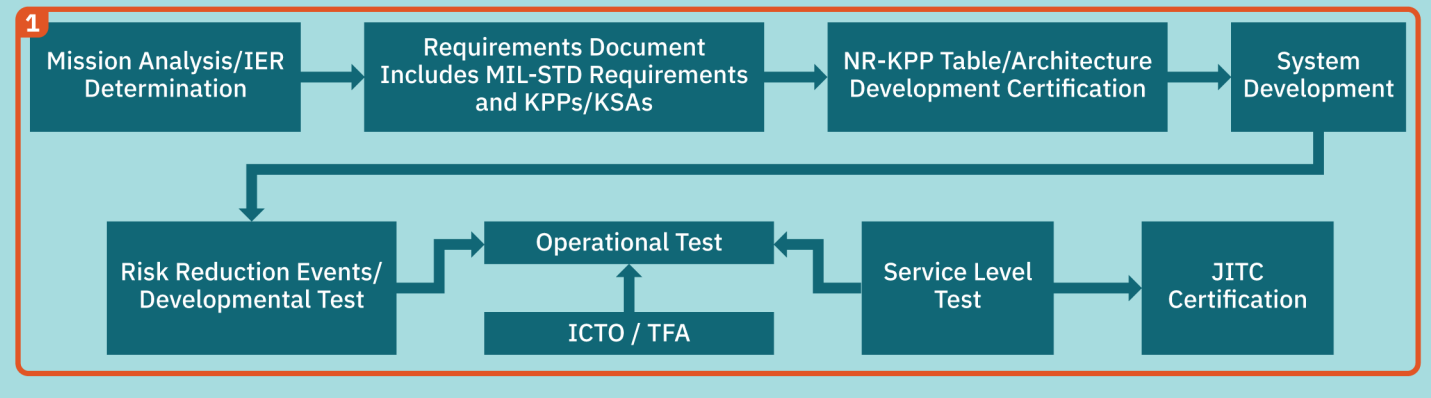
> Includes understanding EMC-F, TFAs, PFAs, and ICTOs

L3Harris.com

CPAAS PROVIDES (CONTINUED)

> Customer/PMO understanding of the cyber security requirements from the DOD's Risk Management Framework (RMF) in order to obtain appropriate cyber security certification/approvals Authority To Operate (ATO), Authority To Connect (ATC), or Interim Authority To Test (IATT) to operate on operational and/or test Link 16 networks.

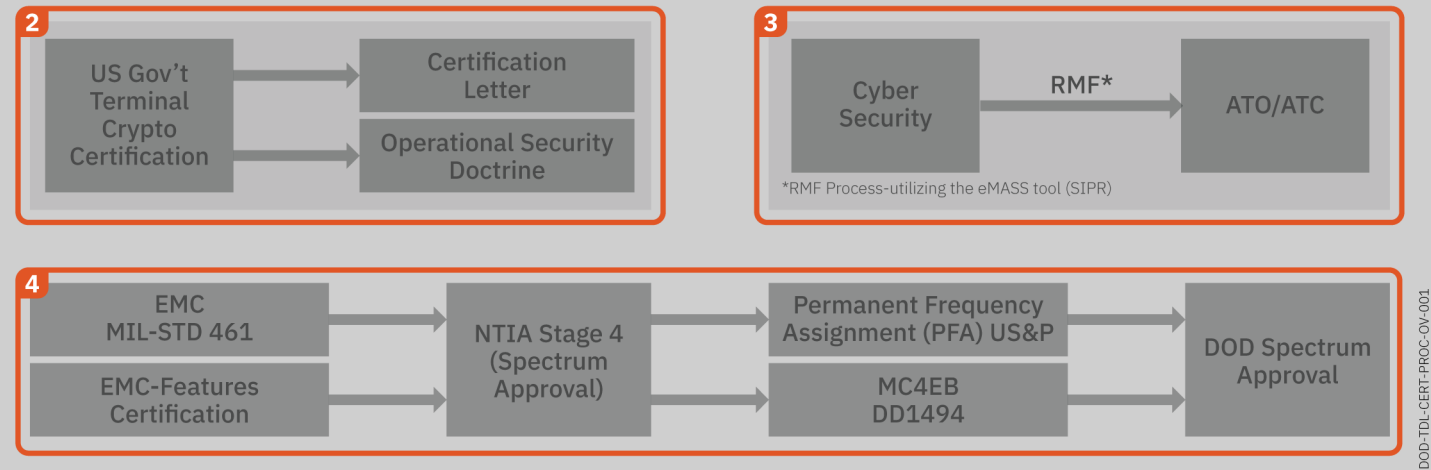> Customer/PMO understanding of the DOD's Interoperability Steering Group (ISG) and their approval process to obtain an Interim Certificate To Operate (ICTO) during system development and when it is appropriate to pursue one to allow use of your system/platform on operational Link 16 networks.

> Customer/PMO understanding of the appropriate DOD/Service documentation that defines each of these four processes noted in the figure.

DOD TDL Certification Process Overview
Timeline: 1.5 – 2 Years

1

Mission Analysis/IER Determination → Requirements Document Includes MIL-STD Requirements and KPPs/KSAs → NR-KPP Table/Architecture Development Certification → System Development

Risk Reduction Events/Developmental Test → Operational Test ← Service Level Test → JITC Certification

ICTO / TFA → Operational Test

Additional DOD Certification Requirements – Overview

2

US Gov't Terminal Crypto Certification → Certification Letter

US Gov't Terminal Crypto Certification → Operational Security Doctrine

3

Cyber Security → RMF* → ATO/ATC

*RMF Process-utilizing the eMASS tool (SIPR)

4

EMC MIL-STD 461 → NTIA Stage 4 (Spectrum Approval)

EMC-Features Certification → NTIA Stage 4 (Spectrum Approval)

NTIA Stage 4 (Spectrum Approval) → Permanent Frequency Assignment (PFA) US&P → DOD Spectrum Approval

NTIA Stage 4 (Spectrum Approval) → MC4EB DD1494 → DOD Spectrum Approval

DOD-TDL-CERT-PROC-OV-001

L3Harris Technologies is the Trusted Disruptor for the global aerospace and defense industry. With customers' mission-critical needs always in mind, our more than 50,000 employees deliver end-to-end technology solutions connecting the space, air, land, sea and cyber domains. L3Harris.com.

Use of U.S. DoD visual information does not imply or constitute DoD endorsement.

L3HARRIS®
FAST. FORWARD.

1025 W. NASA Boulevard
Melbourne, FL 32919
t 833 537 6837
CSW.Products@L3Harris.com