



DoDIN APL Consulting Capabilities

What Tachyon Dynamics can do to
help your company receive DoDIN
APL Certification

Overview

- What is DoDIN APL?
- Tachyon Dynamics' experience
- Consulting Capabilities
 - Product Gap Analysis
 - Gap Analysis Workshop
 - Cradle-to-grave APL certification consulting
 - Application Security and Development Documentation
 - Follow-on Fix Verification consulting
- What DoDIN APL Certification gets your company

The DoDIN APL

- Began in the early 2000s as the Defense Switching Network (DSN) Approved Products List (APL)
- Migrated in 2007 to become the consolidated APL for the entire DoD spreading across most enterprise-class IT products as the UC APL
- Significant work has been done by DoD to require all procurements must have an APL product certification (where possible)
- In 2017, renamed the DoDIN APL

The DoDIN APL, cont

- All services and agencies in the DoD stopped independent certifications/evaluations in favor of DoDIN APL

The screenshot shows the DISA APLITS website for the DoDIN Approved Products List. The header includes navigation links: APLITS, DoDIN APL Process Guide, FAQs/Related Links, APL Test Schedule, and APL Removal List. The main heading is "DoDIN Approved Products List". Below this is a descriptive paragraph: "The Department of Defense Information Network (DoDIN) Approved Products List (APL) is the single consolidated list of products that affect communication and collaboration across the DoDIN. The DoDIN APL is an acquisition decision support tool for DoD organizations interested in procuring equipment to add to the DISN to support their mission. The DoDIN APL is managed by the Approved Products Certification Office (APCO). Contact us: disa.meade.le.list.approved-products-certification-office@mail.mil".

The main content area is titled "DoDIN Approved Products List" and contains three paragraphs of text. The first paragraph states: "The Department of Defense Information Network (DoDIN) Approved Products List (APL) is the single consolidated list of products that have completed Cybersecurity (CS) and Interoperability (IO) certification." The second paragraph explains: "The DoDIN APL process is used to test and certify products that affect communication and collaboration across the DoDIN and is an acquisition decision support tool for DoD organizations interested in procuring equipment to add to the DISN to support their mission." The third paragraph notes: "The DoD 8100.04 policy and Unified Capabilities Requirements (UCR) 2013 Change 2 define the scope of the DoDIN APL. The DoDIN APL Process Guide provides guidance on the step-by-step process from submission to placement on the DoDIN APL."

On the right side, there is a search and export section. It includes a "Device Type" dropdown menu set to "All", a "Vendor" dropdown menu set to "All", and a "Keyword Search" input field. Below these is a button labeled "Search APL". Underneath, it says "Export DoDIN APL to:" followed by two buttons: "Excel" and "PDF".

At the bottom of the page, there is a footer with the text "DISA | APLITS" and "DoDIN APL is managed by the APCO | disa.meade.le.list.approved-products-certification-office@mail.mil".

Our Experience

- We have consulted for numerous product vendors spanning most product classes in the DoDIN APL:
 - Network Elements
 - Network Switches and GPONs
 - Network security devices (WAF, IDS/IPS, IA Tools, VPNs, etc)
 - Storage devices
 - Network routers
 - PSAPs
 - CPEs
 - NCAS
 - VDS
- Over 50 APL engagements
- <https://www.tachyondynamics.com/#our-clients>
- Under our guidance – **no one ever fails**

Consulting Capabilities

- In-Lab Product Gap Analysis
- Gap Analysis Workshop
- Cradle-to-grave DoDIN APL consulting
- Follow-on V&V Testing Consulting
- Application Security and Development Documentation

In-Lab Product Gap Analysis

- We take your product through a hardening exercise in our lab
- We test security based on current requirements (e.g. STIGs)
 - Including manual, vulnerability, and web application scans with JITC tools
- We test interoperability by mapping UCR 2013, Change 2 requirements to the product
 - Providing manual and automated testing where possible
- Provide a finalized Gap Analysis and Test Readiness Report upon completion

Gap Analysis Workshop

- We come to your engineers for a 2-day in person workshop
- Agenda:
 - Educate on the full APL Process
 - Provide requirements traceability for security and interoperability
 - Deep-Dive with your engineers on all requirements and map gaps
- Provide a finalized Gap Analysis Report upon completion

Our Cradle to Grave DoDIN APL Consulting Role

- Tachyon Dynamics will provide a subject matter expert (SME) that is intimately familiar with the current application, testing and certification process
- Our SMEs get your through the entire process

DoDIN APL Process and Tachyon Dynamics

- Application
 - We submit all the documentation for application (except SF-328)
 - We can help facilitate DoD sponsorship if needed
- Schedule
 - We interface with the preferred test lab and develop the test schedule
 - We help coordinate logistics

DoDIN APL Process and Tachyon Dynamics, cont

- CS Self-Assessment
 - We harden and configure your products in our labs
- CS Testing
 - We provide on-site testing support for first 3-days
- Interoperability Testing
 - We provide remote test support if needed
- Final APL Certification and APL Entry
 - We complete the mitigations, fix dates, and final DoDIN APL Deployment Guide

Follow on V&V Test Consulting

- After your certification you will have things that have to be fixed within 6-18 months and must return to the test lab
- We help prepare your product house to coordinate fixes and validate they are in fact fixed
- Provide onsite Verification & Validation (V&V) test support at the test lab
- Providing documentation support where needed

Documentation

- Application Security and Development
 - The Technical Writer will gather data and content from customer personnel to complete the following documentation as required of the Application Security and Development STIG.
- *Think Tech Editor*
- Documents Include
 - Content Development Specification
 - Software Configuration Management Plan
 - Design Plan
 - Vulnerability Management Plan

IAVerify

- Tachyon Dynamics' hardening lab for DoDIN APL testing is done in an in-house, fully representative DoD IA network infrastructure.
 - DoD STIGed and secured Window Active Directory with hardening GPOs upon windows domain joining
 - Vmware ESX 6.5 and Linux KVM hypervisors
 - RedHat Enterprise Linux STIG Scripting/hardening
 - DoD PKI/CAC/PIV enabled servers/workstations
 - RAE (Required Ancillary Equipment): NTPv3/4 with authentication, SNMPv3 (AES & SHA), syslog (TCP/UDP/TLS), RADIUS/NPS with 802.1x network policies (EAP-PEAP and EAP-TLS)
 - Vulnerability Scanning: Nessus and ZAP
 - Other 2-factor RADIUS-based tools (Yubikey and TDIYubiServ)
 - DoD PKI test lab
 - Fully IPv6-enabled (dual-stack)
 - Performance test generator and analyzer (TGA) for 1 Gbps (Ostinato)
 - Automated test script tools for various test plans

What this testing gets you...

- Added to the *only* DoD Approved Products List (APL)
- USAISEC TIC Information Assurance Approved Products List (IAAPL) is now defaulting to DoD APL
 - https://informationassurance.us.army.mil/ia_tools/index.php
- Automatic marketing channel within the federal government
- C&A-ready devices for DoD deployments with ready-made Deployment Guides

Questions?

info@tachyondynamics.com

<https://www.tachyondynamics.com/contact-us/>

Twitter: [@TachyonDynamics](https://twitter.com/TachyonDynamics)



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