



DoDIN/UC APL Consulting Capabilities

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

Overview

- What is DoDIN/UC 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/UC APL Certification gets your company

The UC 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
- Significant work has been done by DoD to require all procurements must have UC APL product certification (where possible)
- In 2017, renamed the DoDIN APL

The UC APL, cont

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



Defense Information Systems Agency
Department of Defense

APLITS

Approved Products List Integrated Tracking System

[DoDIN APL Process Guide](#)

[FAQs](#)

[APL Test Schedule](#)

[APL Removal List](#)

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DoD UC APL

Network Infrastructure

Transport

Enterprise Network Management

Routers/Switches

Storage

Security

Hosts

Servers

Voice, Video and Data Services

Classified Voice

SBU Voice

Classified Video

SBU Video

Data

Multi Function
Mobile Devices

The DoDIN Approved Products List

The DoDIN APL is the single consolidated list of products that have completed Interoperability (IO) and Cybersecurity (CS) certification. For specifications regarding the use of the DoDIN APL please refer to the [UCR 2013](#). For questions regarding the use of this page, please contact the [APCO](#).

Device Type :

All

Vendor :

All

Key Words :

Please use any combination of Device Type, Vendor, and/or Key Words to search the DoDIN APL.

Our Experience

- We have consulted for numerous product vendors spanning most product classes in the DoDIN/UC APL:
 - Network Elements
 - Network Switches
 - Network security devices (WAF, IDS/IPS, IA Tools, VPNs, etc)
 - Storage devices
 - Network routers
 - PSAPs
 - CPEs
 - NCAS
- 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/UC APL consulting
- Application Security and Development Documentation
- Follow-on V&V Testing Consulting

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 1 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 UC 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

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

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

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

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 Vcenter, ESX 5.5 and Linux KVM
 - RedHat Enterprise Linux STIG Scripting/hardening
 - DoD PKI/CAC enabled servers/workstations
 - RAE (Required Ancillary Equipment): NTPv3/4 with authentication, SNMPv3 (AES & SHA), syslog, RADIUS/NPS with 802.1x network policies (EAP-PEAP and EAP-TLS)
 - Vulnerability Scanning: Nessus and HP WebInspect
 - Other 2-factor RADIUS-based tools (Yubikey and YubiRADIUS)
 - 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?

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