

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



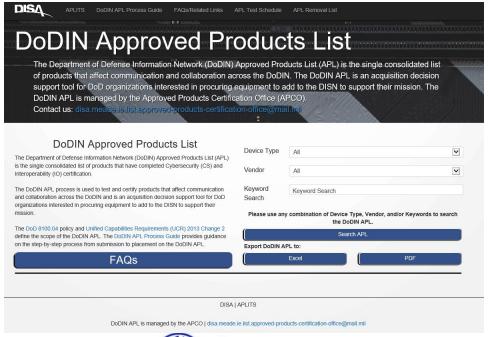
The DoDIN APL

- 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





Our Experience

- We have consulted for numerous product vendors spanning most product classes in the DoDIN APL:
 - Network Elements
 - Network Switches
 - 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 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 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 inhouse, 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?

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