# 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
  - Follow-on Fix Verification consulting

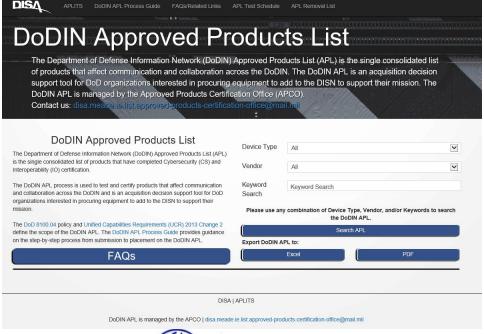- What DoDIN APL Certification gets your company

# 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

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# 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 ~150 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

# 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 required under new process)

- 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

# 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 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](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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