

NIAP Progress Report – Third Quarter 2016

1 July – 30 September 2016

NIAP has continued to develop new and updated Protection Profiles, resulting in increased opportunities for evaluations across a growing number of technologies. Product evaluations continue at a steady pace and International Common Criteria Recognition Arrangement activities also reflect positive progress. NIAP infrastructure and collaboration activities continue to support efficiencies that will benefit all evaluation scheme stakeholders.

Protection Profiles (PPs)

Three Protection Profile revisions were published during this reporting period: Session Border Controller (version 1.1), Full Drive Encryption – Authorization Acquisition (version 2.0), and Full Drive Encryption – Encryption Engine (version 2.0).

In addition, the Voice/Video over IP Extended Package, published in September, replaces the previous Voice over IP EP. This new EP describes the security functionality of a VVoIP endpoint, with requirements for the call control protocol and streaming media protocol. VVoIP vendors and the Commercial Solutions for Classified program have been eagerly awaiting publication of this document to support requirements in corresponding Capability Packages.

Technical communities actively working on new PPs or updates to existing PPs that are expected to be completed in the first quarter of FY17 include Enterprise Session Controller, Wireless Intrusion Detection/Prevention System, Virtualization (Client and Server), Mobile Device Management, and Certification Authority.

Planned PPs include Bluetooth and TLS Extended Packages, VPN Client, and Application Server. Look for technical community formation announcements in early 2017.

PPs Completed in 3rd Quarter 2016

Product	New/Revision	Technology Type
Voice and Video over IP EP (v1.0)	New	VoIP
Session Border Controller EP (v1.1)	Minor Revision	Network Device
Full Drive Encryption–Authorization Acquisition (v2.0)	Major Revision	Encrypted Storage
Full Drive Encryption–Encryption Engine (v2.0)	Major Revision	Encrypted Storage

Evaluations

A total of 4 new evaluations were completed during this quarter – resulting in a total of 63 completed evaluations for FY16. This is an increase in the number of evaluations over FY15. Implementation of strategies to streamline and improve both the evaluation and validation process while also ensuring consistency amongst all evaluations was clearly successful, making more products eligible for procurement on National Security Systems.

Mobile device remained a significant portion of evaluations, but network devices comprised the majority of evaluations this year. This indicates the importance of ensuring any device installed on the network will “behave” and can be trusted to do no harm, regardless of the ultimate security purpose of the device.

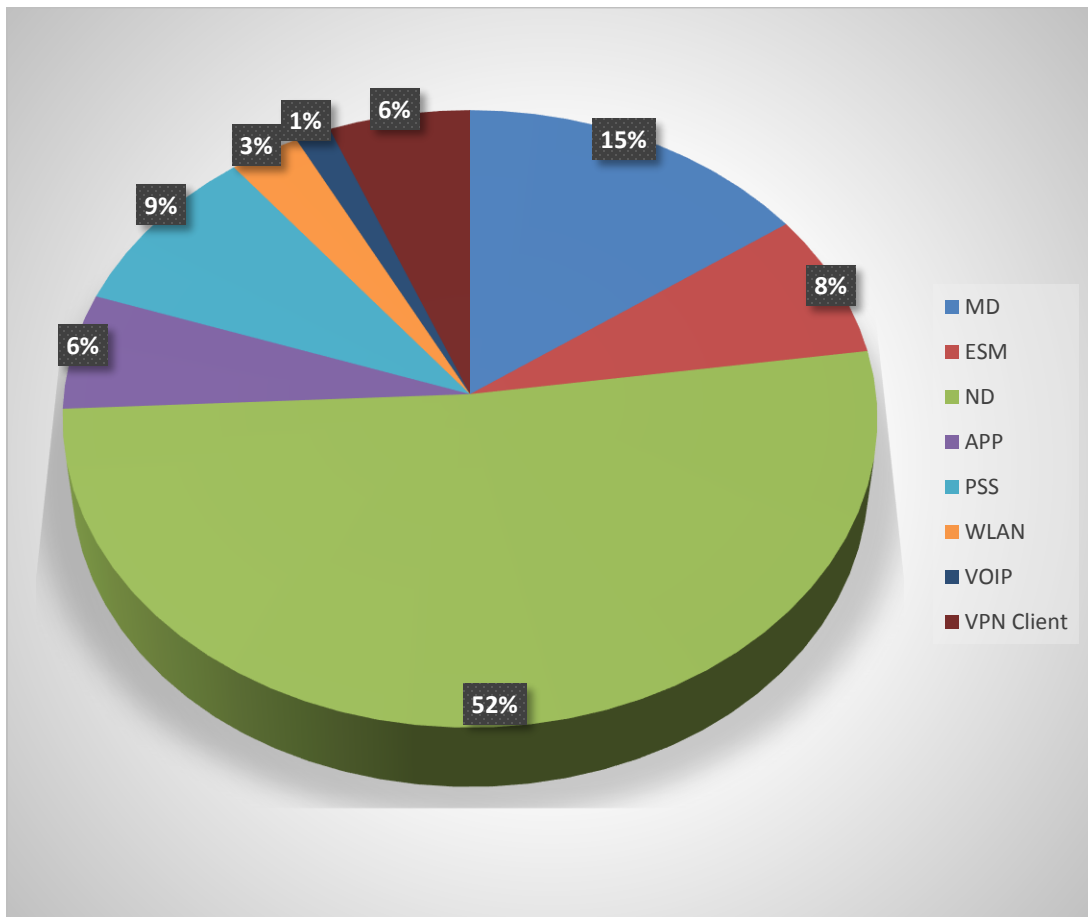


Figure 1. Completed Evaluations by Technology Type during FY16

Common Criteria Recognition Arrangement (CCRA)

Collaborative Protection Profiles (cPPs)

NIAP continued to fully support development of cPPs according to the terms of the CCRA. During 2016, we saw industry take a leading role in International Technical Communities (ITCs) – serving as ITC leads, technical editors, participating through regular telecon meetings, and setting and driving cPP development schedules. This active industry participation and collaboration with governments underpins the value of the Arrangement, and serves to keep it relevant and viable.

U.S. Voted Common Criteria Development Board Chair

NIAP, representing the U.S., began a two year term as the CC Development Board (CCDB) chair, leading the September CCDB meeting in London. The meeting featured small group breakout sessions to make progress on long-standing actions. The CCDB manages the technical work program for the maintenance and ongoing development of the CC and the Common Criteria Evaluation Methodology (CEM) and obtains agreement on the application of the CC and CEM to evaluations being carried out by the CCRA certificate producing nations to ensure harmonization across member nations.

Infrastructure

Technical Rapid Response Team and New Web Tool

The National Information Assurance Partnership (NIAP) developed Technical Rapid Response Teams (TRRT) to address questions and concerns related to evaluations under the Common Criteria Evaluation & Validation Scheme (CCEVS). The teams are responsible for providing timely responses to evaluations and Protection Profile (PP) technical issues raised throughout the course of an evaluation.

TRRTs are made up of experienced Common Criteria individuals from the validation community and NSA Information Assurance Directorate (IAD) subject matter experts. The goal of the TRRT process is to provide an issue resolution statement within a reasonable timeframe. When an issue pertains to multiple evaluations and/or PPs, the TRRT will publicly issue a Technical Decision on the NIAP website. These decisions offer clarification and interpretations of PP requirements and Assurance Activities.

In August, NIAP implemented a web support tool to increase efficiency of TRRT communications and provide an effective tracking mechanism. The online TRRT tool was rolled-out to NIAP customers on Friday 26 August 2016. The simplified interface has allowed NIAP personnel to collaborate more efficiently with the TRRT teams, and better track, manage, and more quickly respond to TRRT questions. From the day the tool went active until the end of the FY, thirty-eight TRRT inquiries were closed and the average response time improved by at least a factor of 2.

More information on TRRTs, including the link for TRRT submission can be found at <https://www.niap-ccevs.org/Documents and Guidance/TRRT.cfm>.

Collaborations and Outreach

IA Director's Round-Table

The IA director hosted a round-table with industry representatives in late August. Industry inputs are considered an important component to ongoing improvements in Common Criteria Recognition Arrangement participation by member nations.

NIAP at AFCEA Conference, Augusta Georgia

(U) NIAP personnel provided support to the IAD Exhibit booth at the 2016 AFCEA TechNet in Augusta, GA during the first week of August. NIAP engaged with military professionals from the U.S. Defense Department to address questions regarding the NIAP evaluation process and our harmonization efforts with DISA.

(U) NIAP Information Assurance Symposium Presentations

(U) NIAP personnel presented at NSA's Information Assurance Symposium (IAS) held 16-18 August 2016 which focused on USG-industry collaboration to address the government's most challenging cyber security concerns. NIAP presented three briefings highlighting the development and use of Protection Profiles (PPs) through Technical Communities (TCs) composed of government and industry. The first briefing provided an overview of the role PPs and product evaluations play in shaping COTS product security functionality. The second briefing was a more technical talk on how PPs are used to express requirements to industry using the Mobile Device Fundamentals (MDF) PP as a case study. The third briefing was a joint presentation with Department of Homeland Security (DHS) on the need for automated testing of the Software Application PP (SWAPP) requirements to reduce the cost and increase the return on investment (ROI) for software application vendors getting their products evaluated. In addition, NIAP, along with DoD CIO, NIST, and DISA participated in a panel discussion on streamlining certifications. The panel explained the interaction between NIST's Cryptographic algorithm and module testing programs (CAVP and CMVP) and 800-53 controls, DISA's Security Requirements Guides (SRGs) and Security Technical Implementation Guides (STIGs), and NIAP's product evaluations and how they fit into the overall risk posture for system accreditors. The briefings and the panel reinforced the importance of continued collaboration between government and industry in all aspects of PP development and product evaluations. NIAP representatives also staffed a kiosk at the NSA booth at the IAS expo. As a result of NIAP's outreach at IAS, we received increased inquiries via the automated Question and Answer tool featured on the NIAP website regarding product compliance, evaluation procedures, and the validation process.