

***National Information
Assurance Program (NIAP)
Common Criteria Evaluation and
Validation Scheme (CCEVS)***

11th ICC

National Scheme Update

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September 2010

Agenda

- Where are we today?
- Where are we going?
- How are we getting there?
 - Four focus areas
- Why do you care?

Where are we today....

Helps to know where we came from

- 1983 - NSA's use of the Orange Book criteria
- 1997 - NIST & NSA implemented Orange Book and Common Criteria
- 1997 - Letter of partnership signed between NIST & NSA establishing NIAP
- 2000 - NIAP/CCEVS program implemented using Common Criteria & evaluations by commercial labs

Where we are today...

Helps to know where we came from

- **NSTISSP #11**
 - Mandated purchases of IA and IA-Enabled IT Products that protect national security information be limited to those evaluated by CC, NIAP or FIPS beginning in Jul 2002
- **DoD Directive 8500.1, Oct 2002**
 - Mandated compliance with NSTISSP 11 for the DoD
- **DoD Instruction 8500.2, Feb 2003**
 - DoD policy mandating product being evaluated also conform to a Government Protection Profiles (whenever one exists)

Where we are today...

- **NIAP/CCEVS**
 - Test Security Properties of IA and IA-enabled IT Commercial Products
 - Used on Unclassified National Security Systems
 - Against a Protection Profile (when one exists)
 - Tests performed by Accredited Commercial Laboratories
 - In existence since 2000

Where we are today...

- **NIAP/CCEVS**

- Completed over 320 evaluations in numerous technologies – those critical to DoD

- IDS/IPS
 - Firewalls
 - Network Management
 - Sensitive Data Protection
 - Network Switch/Peripheral Switch
 - Routers
 - DBMS

U.S. Approved Common Criteria Testing Laboratories

- | | |
|--|------------------------|
| 1. Booz Allen Hamilton (BAH) | Linthicum, Maryland |
| 2. Arca | Sterling, Virginia |
| 3. atsec | Austin, Texas |
| 4. COACT, Inc. | Columbia, Maryland |
| 5. Computer Sciences Corp (CSC) | Annapolis Junction, MD |
| 6. CygnaCom Solutions, Inc. | McLean, Virginia |
| 7. InfoGard Laboratories, Inc. | San Luis Obispo, CA |
| 8. Science Applications Int'l Corp (SAIC) | Columbia, MD |
| 9. DSD Information Assurance Lab (DIAL) | White Hall, WV |

No change since last year

Where we are today...

- **NIAP/CCEVS New Policy**

- Evaluations for critical DoD technologies
- Evaluations against US approved Protection Profiles
 - ST if no PP – no higher than EAL2
- PPs written with no EAL in mind
 - Functional activities, Address Threat
- Talk to each customer
- Creating Standard PP – Technology Communities

Achievable, Testable, Repeatable

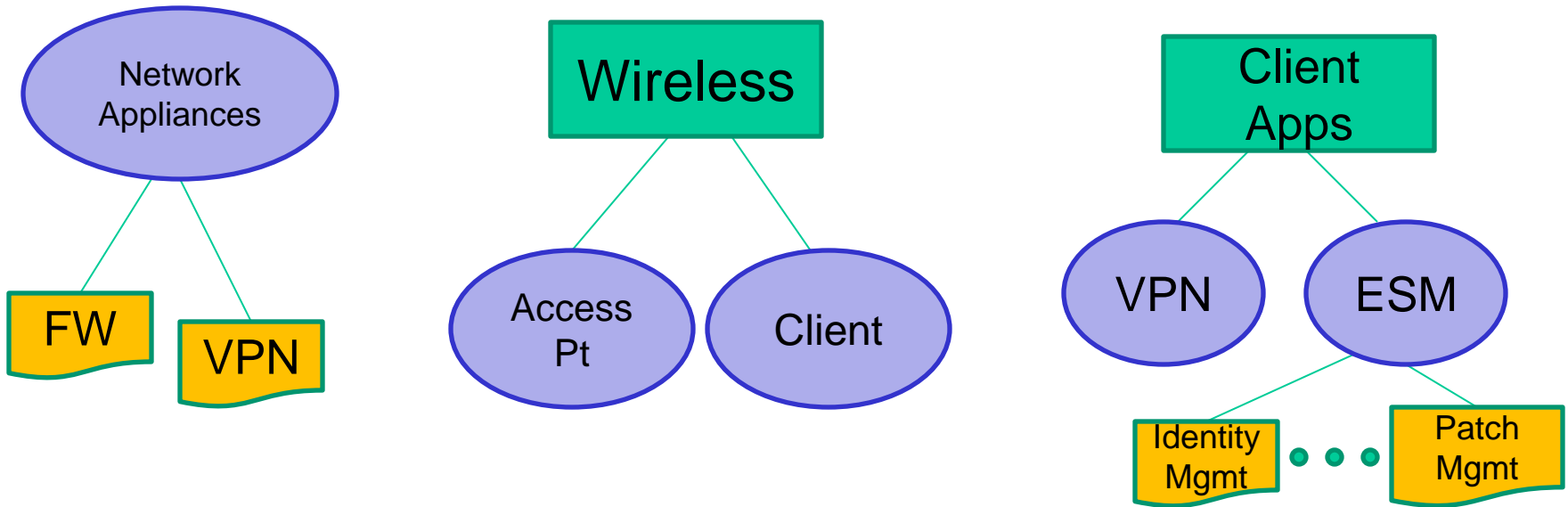
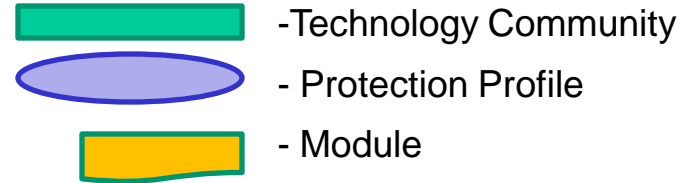


Where are we going?

Our Vision

- Technology Communities
- Partnership with Industry
- Internationally approved PPs
- Evaluate only against approved PPs
- No EAL indicators – minimum acceptable requirements at maximum level of testing
(***achievable, testable, repeatable***)
- Flexible policies to keep pace with technology

Networking



Other Tech Communities



NIAP Today...

Priorities to help us reach our Vision

- Customer Engagement
- Policy Updates
- Protection Profiles

Customer Engagement

- Most of our customers are DoD
 - Army, Air Force, Navy, Marine Corp
- Other Government Agencies
 - State, DHS
- Policy Makers
- CCRA Partners
- NATO
- Industry
- Labs

Policy Update

- Re-writing of NSTISSP #11/CNSSP #11
 - CC ***and*** FIPS
- Interim relief of DoD 8500.2
 - Signed 14 Sept 2010
 - Against US approved PP
 - If no PP, no higher than EAL2
- Working with NATO to identify inconsistencies
- Customers' internal policies
- NIST – FIPS issues

Protection Profiles

- Majority of our efforts
 - All Basic/Interim PPs on NIAP web = EAL1 or 2
- Creating New PPs
 - Technology Communities
 - Partnership with Industry
 - Participation by other CCRA Schemes
 - Maximum 12 months for evaluation
- Current example of model is NAPP and Modules

Why do you care?

- Requirement of DoD
 - Purchase of IA or IA-enabled IT products
 - **Must** be certified – National Policy
- Provided false sense of confidence
- We **have** to change
- Feel it is critical for the CCRA to move with us

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