

# *U.S. Common Criteria Evaluation & Validation Scheme Update*

*28 September 2005*

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**Director, NIAP CCEVS**

## *Agenda*

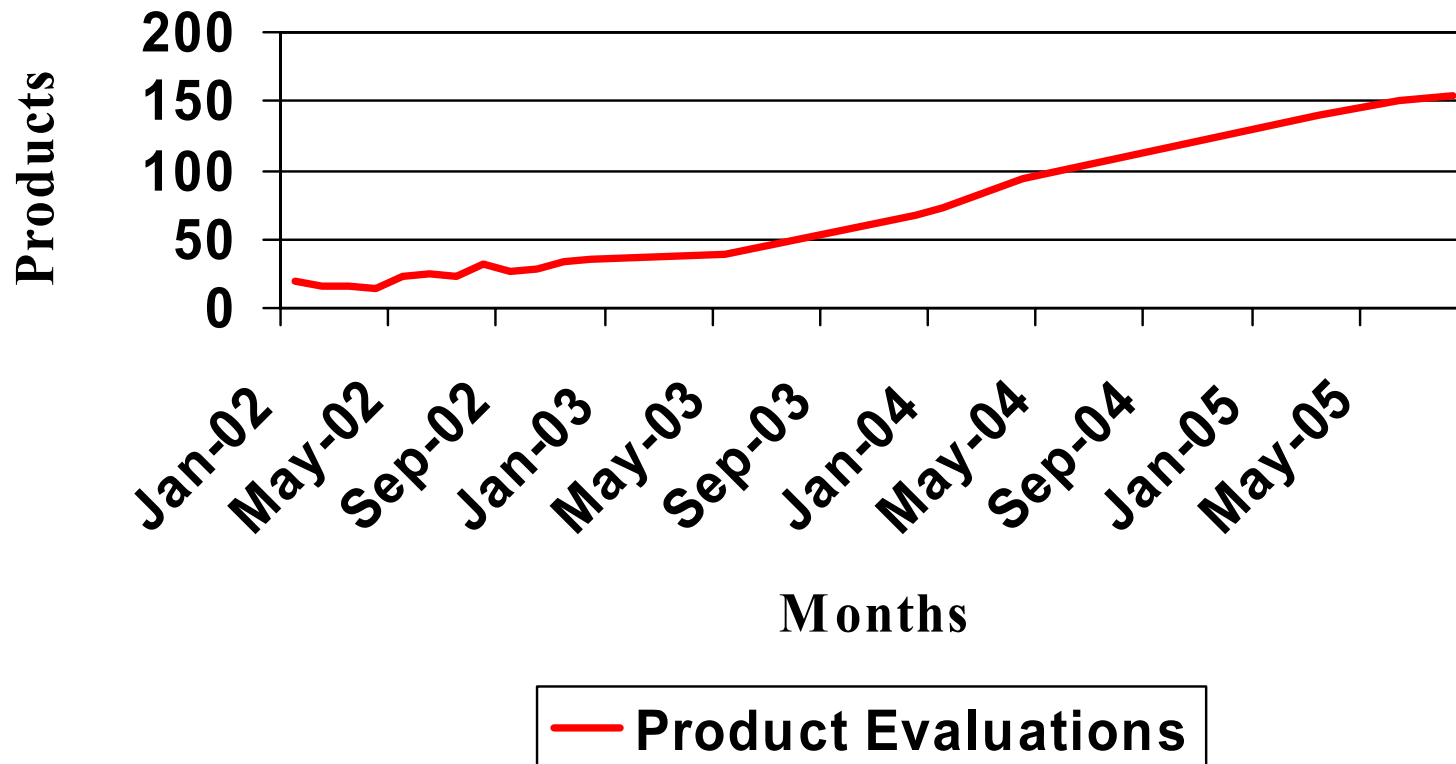
- How the U.S. CCEVS Program has grown
- Where the U.S. CCEVS Program is today
- Where the U.S. CCEVS Program wants to go in the future

## *How CCEVS Has Grown*

<b>Oct 2000</b>	<b>Jun 2002</b>	<b>July 2005</b>
4 CCTLs	6 CCTLs	10 CCTLs
2 Products in Evaluation	40 Products in Evaluation	154 Products in Evaluation

# *How CCEVS Has Grown*

## 2002-2005 Evaluation Timeline



## *Where We Are Today*

- Common Criteria Testing Labs (CCTLs)
  - 10 accredited labs
  - 5 candidate labs
- Products (July 2005)
  - 154 products “in progress”
  - 94 certificates issued to date
  - Average of 8-10 new products in per month
  - Average of 2-4 certificates issued per month
- Protection Profiles (PPs)
  - 31 PPs in development
  - 27 validated U.S. Government PPs

## *Where We Are Today - CCTLs*

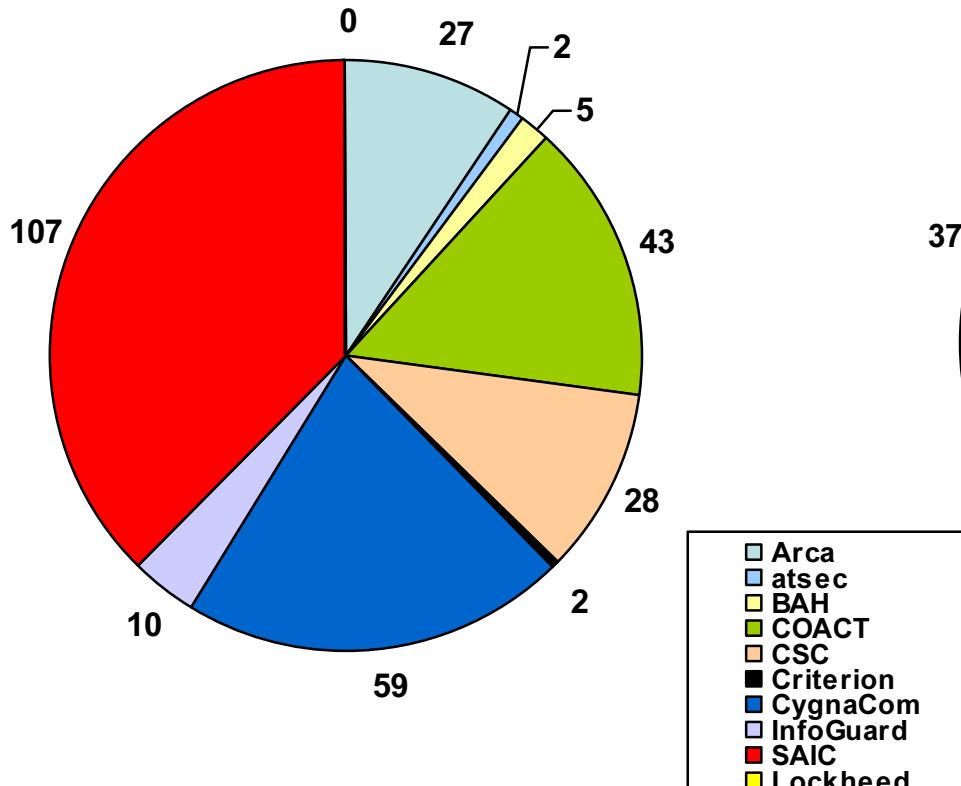
- |  |                         |
|--|-------------------------|
| <b>1. Booz Allen Hamilton</b>              | Linthicum, Maryland     |
| <b>2. Arca</b>                             | Sterling, Virginia      |
| <b>3. atsec</b>                            | Austin, Texas           |
| <b>4. COACT, Inc.</b>                      | Columbia, Maryland      |
| <b>5. Computer Sciences Corp.</b>          | Annapolis Junction, MD  |
| <b>6. Criterion Independent Labs</b>       | Fairmont, West Virginia |
| <b>7. CygnaCom Solutions, Inc.</b>         | McLean, Virginia        |
| <b>8. InfoGard Laboratories, Inc.</b>      | San Luis Obispo, CA     |
| <b>9. Science Applications Int'l Corp.</b> | Columbia, MD            |
| <b>10. Lockheed Martin</b>                 | Hanover, MD             |

**Plus 5 Candidate Labs** (Ashton, BKP, BT, Corsec, DIAL)

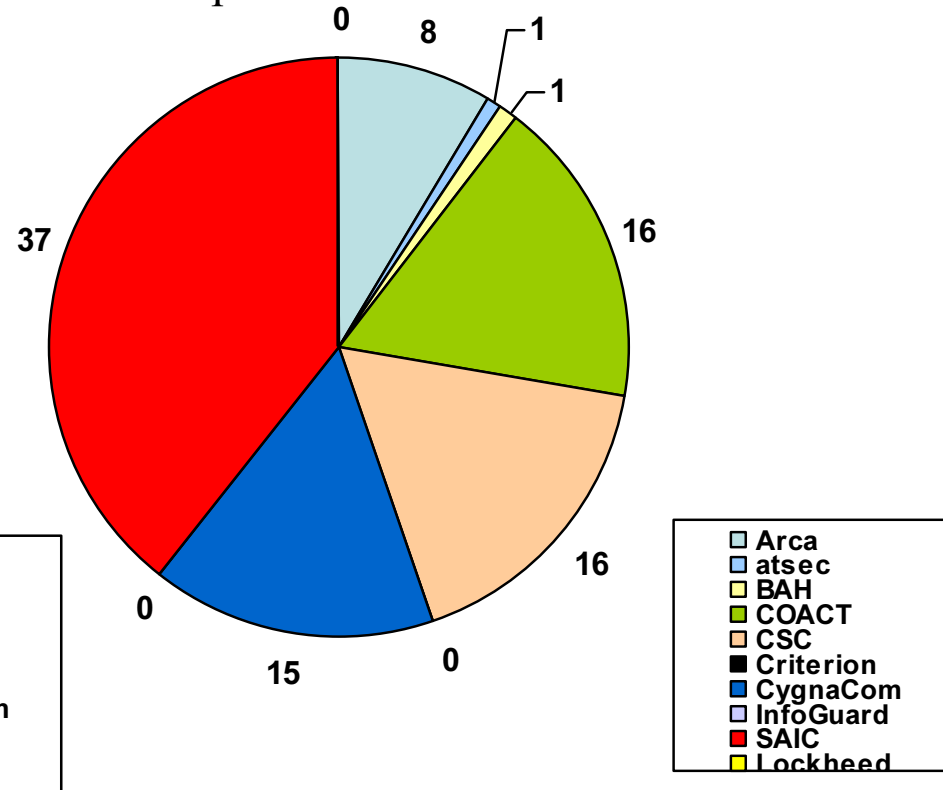
# Where We Are Today

## Evaluations by CCTL

285 Products Have Entered Into Evaluation since FY2000

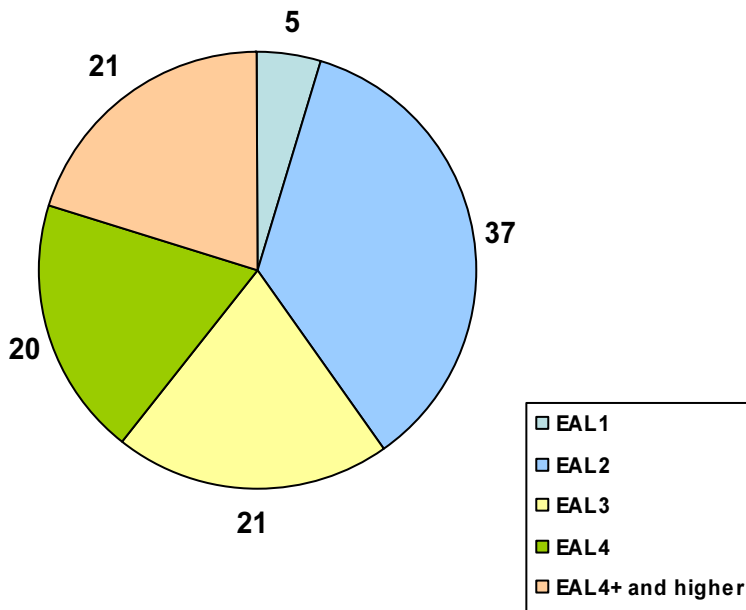


94 Products Have Successfully Completed Evaluation since FY2000

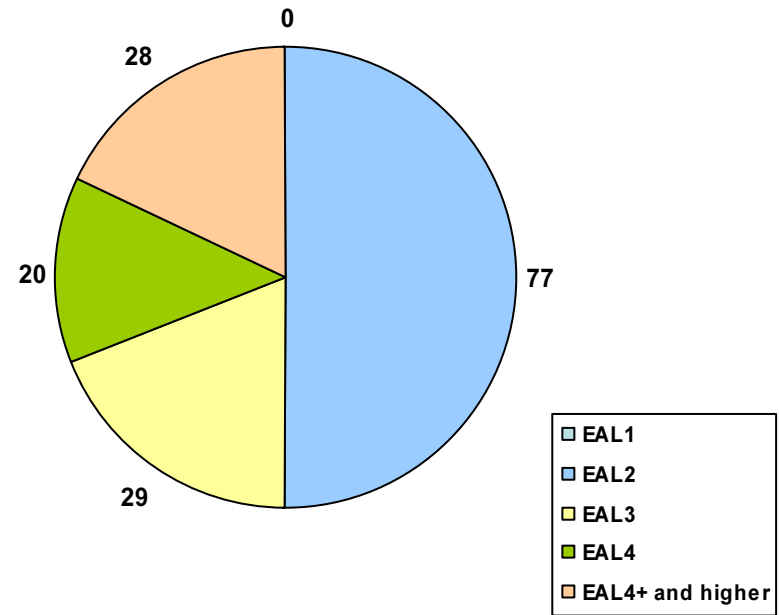


# Where We Are Today - Products

94 Completed Product Evaluations



154 Product Evaluations in Progress





**SNAPSHOT (PRODUCTS IN EVALUATION) 27 JULY 2005**

<b>TECHNOLOGIES (No. of products)</b>	<b>EAL1</b>	<b>EAL2</b>	<b>EAL 3</b>	<b>EAL 4</b>	<b>EAL 5</b>	<b>EAL 6</b>	<b>EAL 7</b>	<b>BASIC</b>	<b>MEDIUM</b>
Certificate Management (3)			2	1				2	
Firewalls (17)		2	2	13				6	13
Guards (3)				3					
Intrusion Detection Systems (12)		7	5					3	
Miscellaneous (38)		25	6	7					
Multiple Domain Solutions (2)				1	1				
Network Access Control (3)		2	1						
Network Management (9)		7	1	1					
Operating Systems (8)		2	1	4			1	5	1
PC Access Control (5)		3	1	1					
Peripheral Switches (2)					1		1		
PKI/KMI (1)				1					
Routers (2)		1	1						
Secure Messaging (4)		3	1						
Security Management (4)		3	1						
Sensitive Data Protection (13)		8	1	4					
Single Level Web Servers (6)		5	1						
Switches (7)		2	4	1					
Trusted DBMS (1)			1						
Wireless LANS (3)		3							

<b>TOTAL = 143</b>	<b>0</b>	<b>73</b>	<b>29</b>	<b>37</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>16</b>	<b>14</b>
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## Validated Protection Profiles

As of 7-27-2005

TECHNOLOGIES (number of protection Profiles)	EAL claim							BASIC ROBUSTNESS	MEDIUM ROBUSTNESS	HIGH ROBUSTNESS	Total
	1	2	3	4	5	6	7	Based on Consistency Manual			
Operating Systems			2						2		4
Firewalls		2							2		4
Wireless											
Web											
IDS		4									4
VPN											
Biometrics									1		1
PKI*			2	3					2		7*
PKE											
VOIP											
Router											
Controlled interface (1)											
Anti-Virus								1			1
Database								1			1
Peripheral switch				1							1
Certificate Management	1	1	1	1							4
* Profiles claim multiple EAL levels											
<b>Total</b>	<b>1</b>	<b>7</b>	<b>5</b>	<b>5</b>				<b>2</b>	<b>7</b>		<b>27</b>

## *Where We Want To Go*

- Increase validated product customer base
  - Broader government acceptance & use of validated products
  - Encourage commercial market use of validated products
- Increase number of validated Protection Profiles
  - Wider variety of technology areas, consistency amongst PPs
  - Address needs of other government & commercial markets
- Investigate ways to make evaluations & validations more efficient
  - Contain validation resources within the bounds of Mutual Recognition
  - Maintain consistency amongst evaluations & validations
  - Investigate use of tools
- Pursue fee-for-service model for validation

# *Questions ?*

## **Important Web Sites**

**NIAP CCEVS:** <http://niap.nist.gov/cc-scheme>

**CC Portal:** <http://www.commoncriteriaportal.org>

**Protection Profiles:** <http://niap.nist.gov/pp/index.html>

**Validated Products:**

[http://niap.nist.gov/cc-scheme/Validated Products.html](http://niap.nist.gov/cc-scheme/Validated%20Products.html)

## *Contact Information*

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