

U.S. Common Criteria Evaluation & Validation Scheme Update

28 September 2005

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Agenda

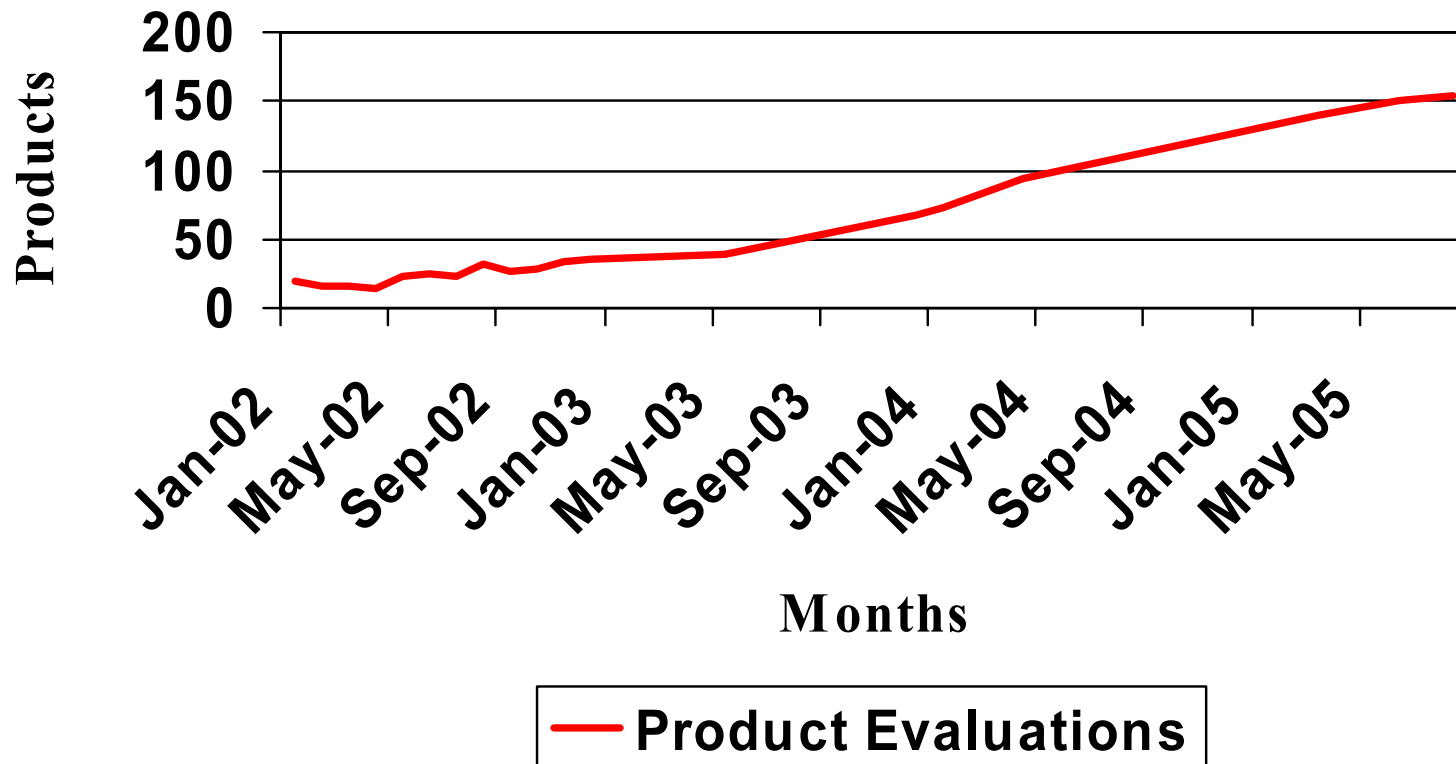
- How the U.S. CCEVS Program has grown
- Where the U.S. CCEVS Program is today
- Where the U.S. CCEVS Program wants to go in the future

How CCEVS Has Grown

Oct 2000	Jun 2002	July 2005
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

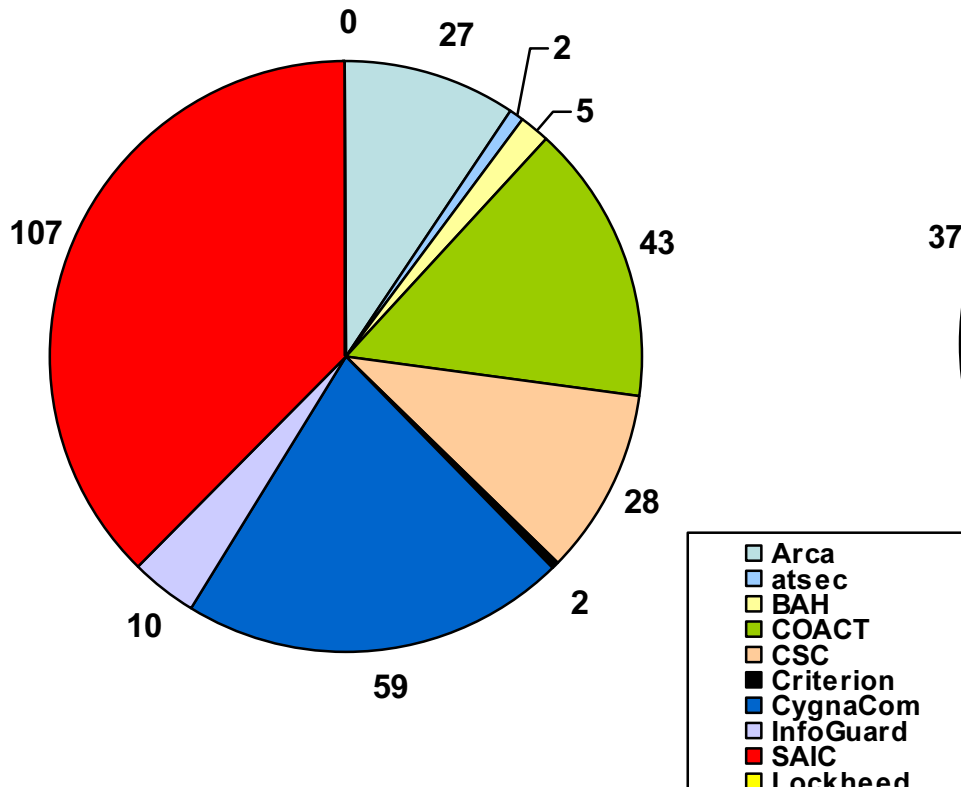
- | | |
|--|-------------------------|
| 1. Booz Allen Hamilton | Linthicum, Maryland |
| 2. Arca | Sterling, Virginia |
| 3. atsec | Austin, Texas |
| 4. COACT, Inc. | Columbia, Maryland |
| 5. Computer Sciences Corp. | Annapolis Junction, MD |
| 6. Criterion Independent Labs | Fairmont, West Virginia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

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

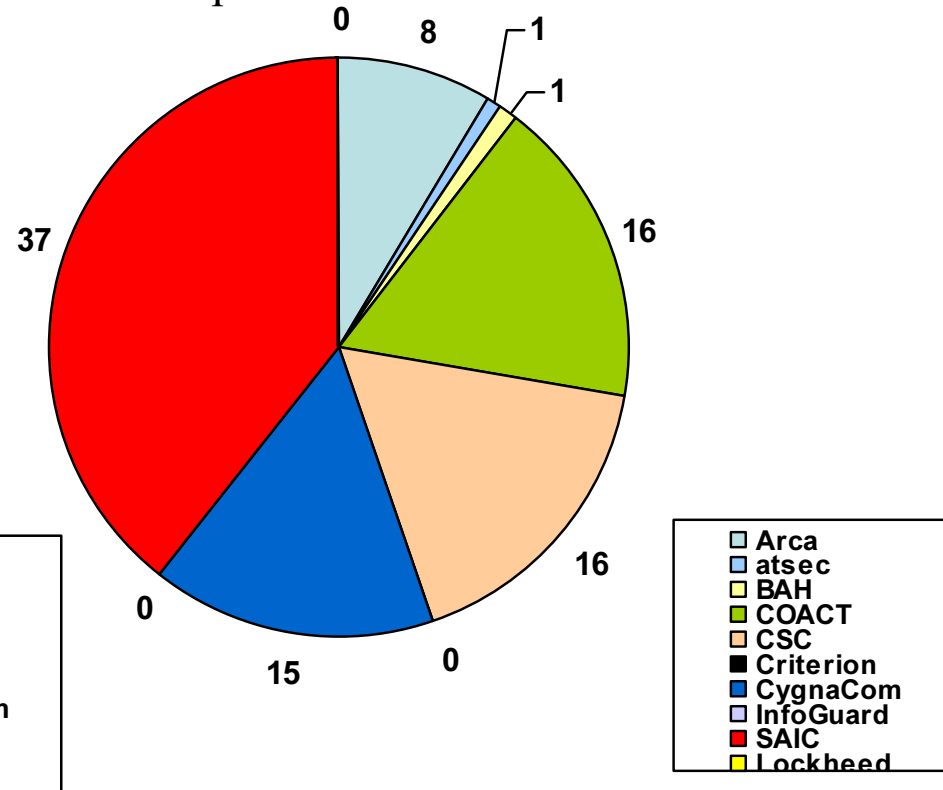
Where We Are Today

Evaluations by CCTL

285 Products Have Entered Into Evaluation since FY2000

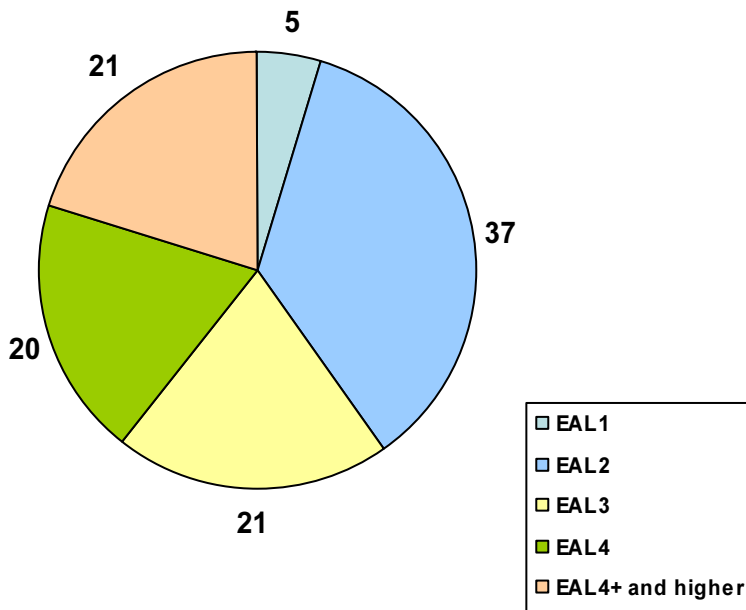


94 Products Have Successfully Completed Evaluation since FY2000

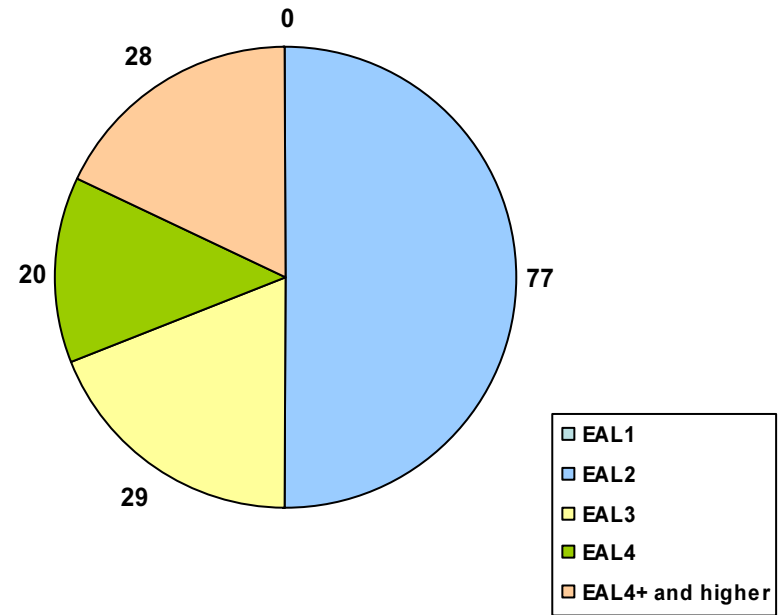


Where We Are Today - Products

94 Completed Product Evaluations



154 Product Evaluations in Progress



SNAPSHOT (PRODUCTS IN EVALUATION) 27 JULY 2005

TECHNOLOGIES (No. of products)	EAL1	EAL2	EAL 3	EAL 4	EAL 5	EAL 6	EAL 7	BASIC	MEDIUM
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							

TOTAL = 143	0	73	29	37	2	0	2	16	14
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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											
Total	1	7	5	5				2	7		27

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>

Contact Information

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