Test and Evaluation in the Department of Homeland Security

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Director, Test and Evaluation
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Homeland Security
Science and Technology

Vision

A homeland that is safe, secure, and resilient against terrorism and other hazards, where American interests, aspirations, and way of life can thrive.

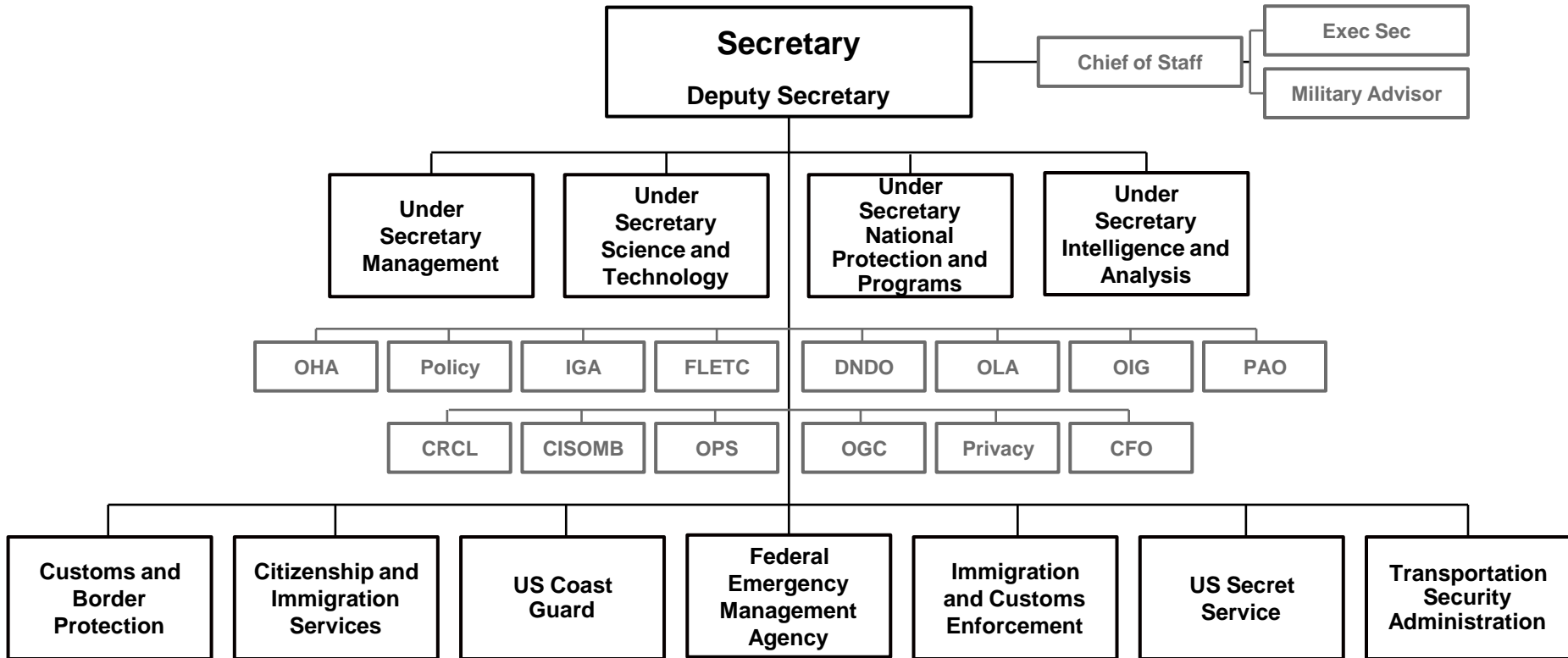## Jeh Charles Johnson

Fourth Secretary of Homeland Security

Department of Homeland Security

The 2014 Quadrennial Homeland Security Review

Mission

- Prevent Terrorism and Enhance Security

- Secure and Manage Our Borders

- Enforce and Administer Our Immigration Laws

- Safeguard and Secure Cyberspace

- Strengthen National Preparedness and Resilience

http://www.dhs.gov/quadrennial-homeland-security-review-qhsr

Organization

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                        ┌─────────────────────┐        ┌──────────────┐    ┌──────────────────┐
                        │      Secretary      │────────│ Chief of Staff│────│    Exec Sec      │
                        │  Deputy Secretary   │        └──────────────┘    ├──────────────────┤
                        └─────────────────────┘                           │ Military Advisor │
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Under Secretary Management	Under Secretary Science and Technology	Under Secretary National Protection and Programs	Under Secretary Intelligence and Analysis

OHA	Policy	IGA	FLETC	DNDO	OLA	OIG	PAO

CRCL	CISOMB	OPS	OGC	Privacy	CFO

Customs and Border Protection	Citizenship and Immigration Services	US Coast Guard	Federal Emergency Management Agency	Immigration and Customs Enforcement	US Secret Service	Transportation Security Administration

United States Coast Guard
U.S. Department of Homeland Security

U.S. Customs and Border Protection

The Operating Components

Federal Emergency Management Agency

Immigration and Customs Enforcement

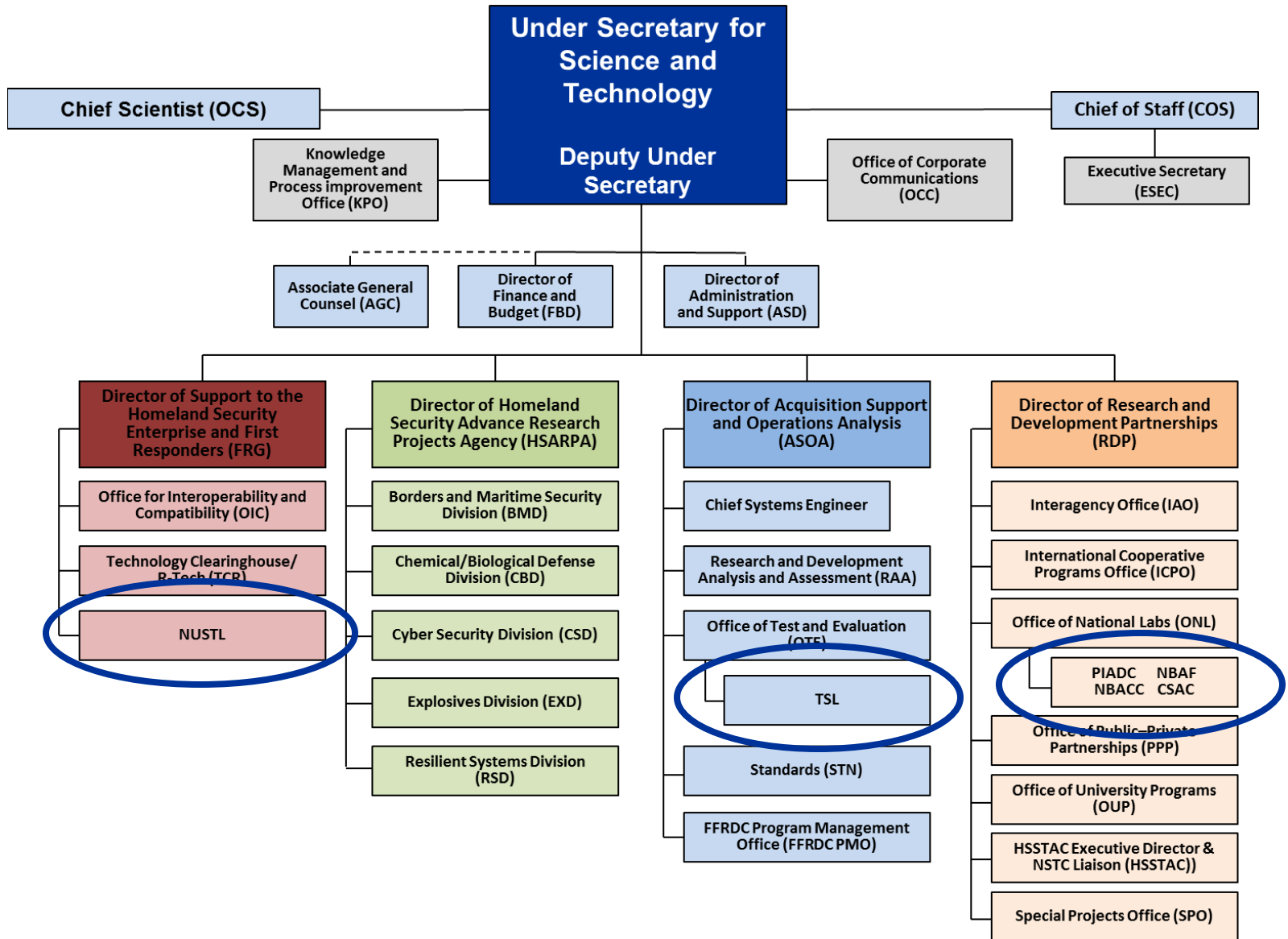**Transportation Security Administration**

The Operating Components

US Secret Service

Citizenship and Immigration Services

Science and Technology
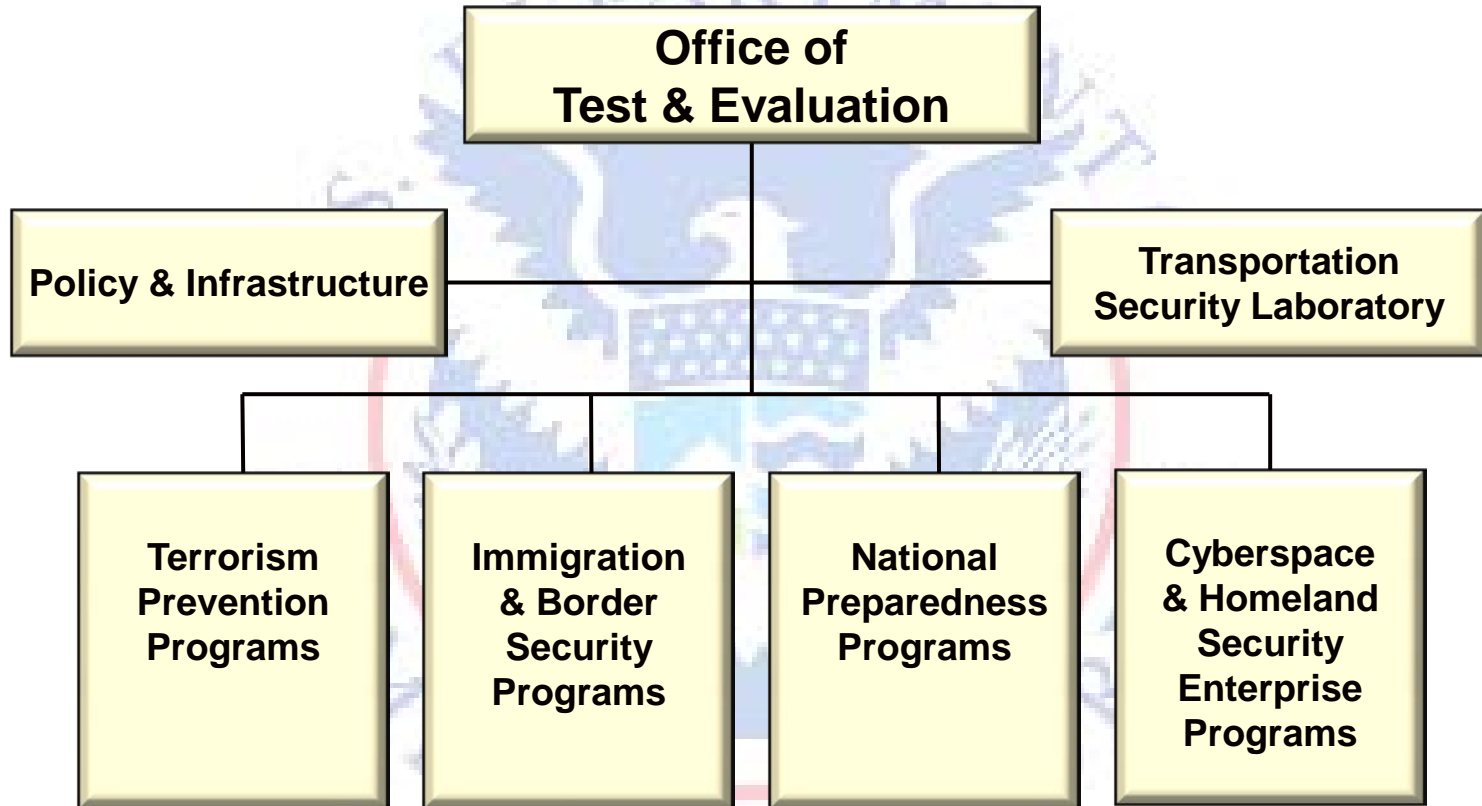
Policy and Infrastructure

T&E Policy

Department of Homeland Security
DHS Directives System
Directive Number: 026-06
Revision Number: 00
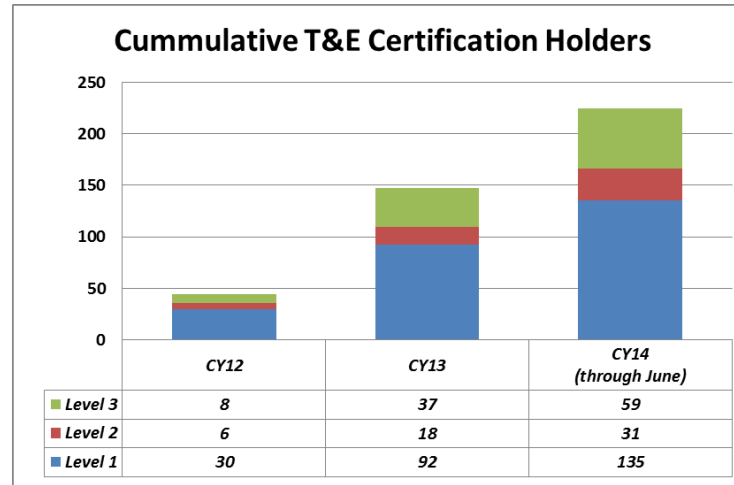Issue Date: May 22, 2009

TEST AND EVALUATION

I. Purpose

This Directive prescribes implementing policies and procedures and assigns responsibilities for Test and Evaluation (T&E) activities to be performed throughout the system acquisition process.

II. Scope

This Directive applies throughout the Department of Homeland Security (DHS). Additionally, this Directive applies to the research, development and acquisition of all systems and subsystems.

III. Authorities

A. Title 6, U.S.C., Section 181, "Under Secretary for Science and Technology," and Section 182, "Responsibilities and authorities of the Under Secretary for Science and Technology"

B. Title 6, U.S.C., Section 188, "Conduct of research, development, demonstration, testing and evaluation"

C. Title 6, United States Code (U.S.C.), Section 341, "Under Secretary for Management"

D. DHS Delegation 10001, "Delegation to the Under Secretary for Science and Technology"

E. DHS Directive 102-01, "Acquisition Management"

F. DHS Management Directive 10100, "Organization of the Office of the Under Secretary for Science and Technology"

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Directive # 026-06
Revision # 00

Cummulative T&E Certification Holders

	CY12	CY13	CY14 (through June)
Level 3	8	37	59
Level 2	6	18	31
Level 1	30	92	135

Acquisition Workforce T&E Competency

T&E Center of Excellence

Test and Evaluation Center of Excellence

Home COE Portal   Home   About Us   Training   Tools   SME Support   Best Practices   Review Criteria

Tools

DHS - Test Resources & Test Centers

Help | FAQ

http://coe.dhs.gov/TE_COE/SitePages/TE_Home.aspx

Terrorism Prevention Programs

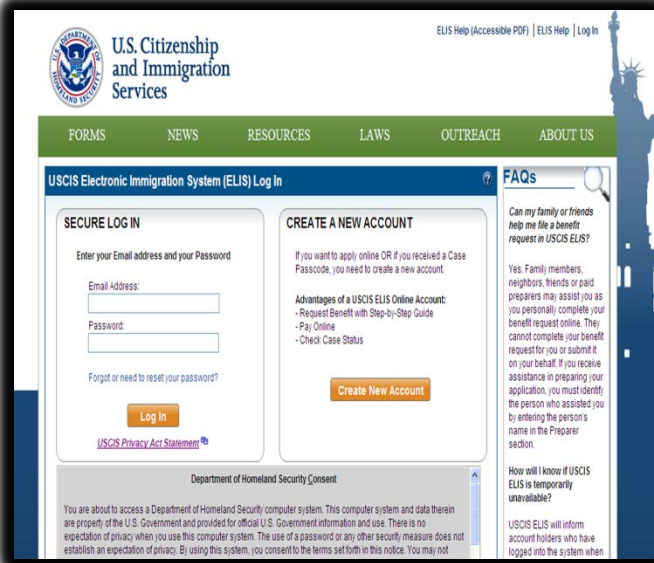

Biodetection

Radiation Detection

Advanced Imaging

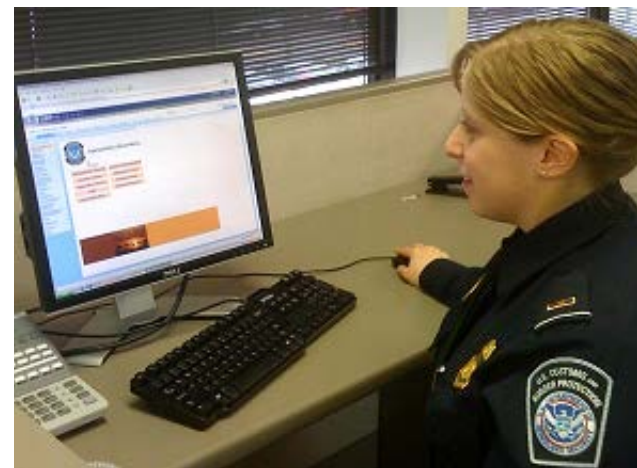Credential Authentication

Explosives Detection

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Immigration and Border Security Programs

ELectronic Immigration System (ELIS)

Tactical Communications Modernization (TACCOM)

Integrated Fixed Tower (IFT)

Automated Commercial Environment (ACE)

National Preparedness Programs

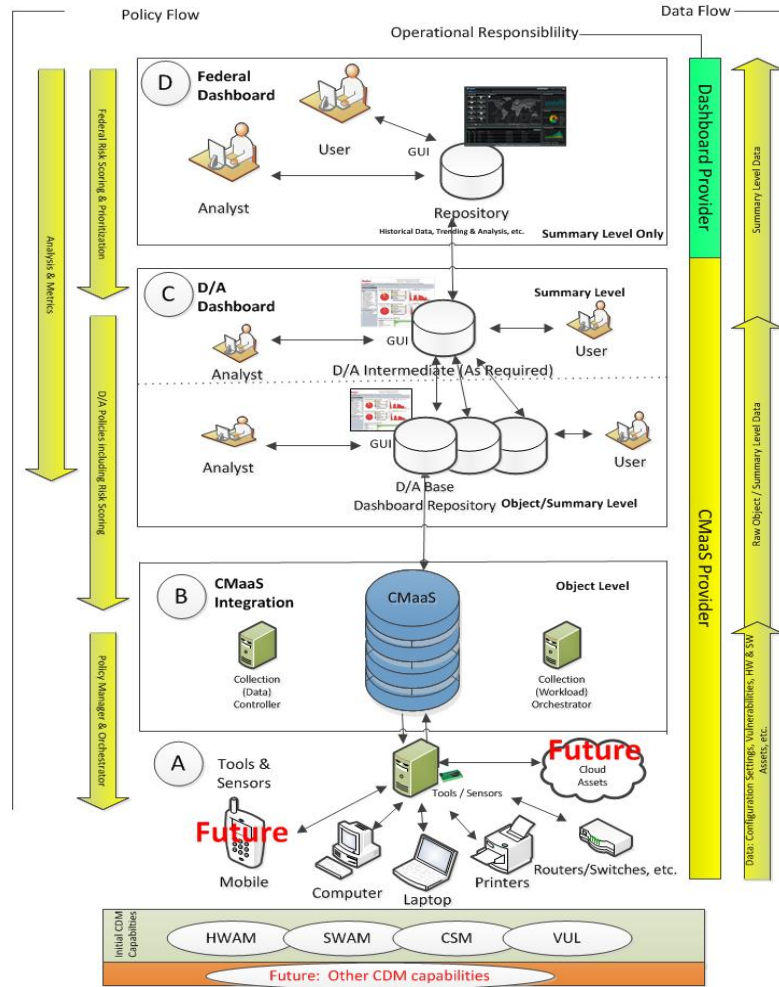**National Security Cutter**

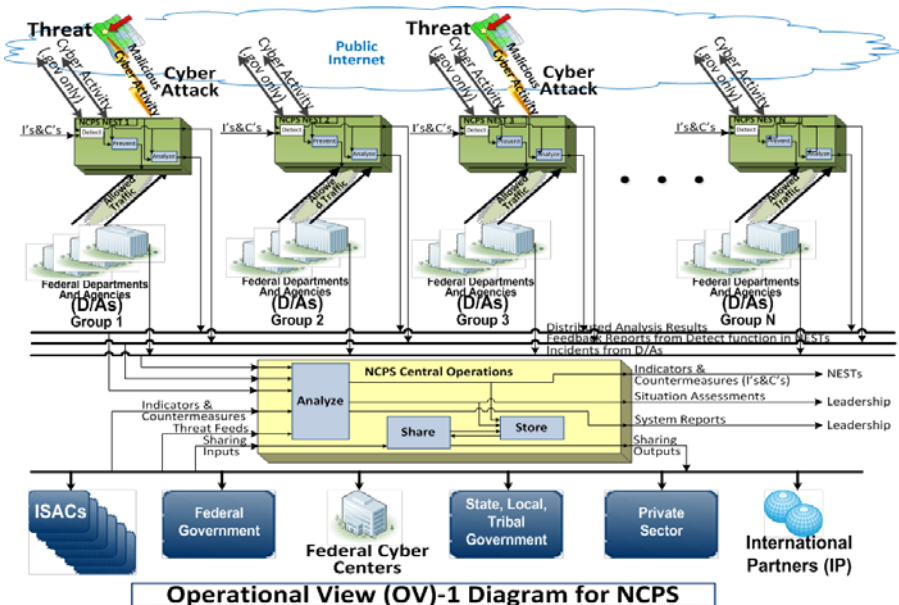**HC-144A**

Fast Response Cutter

Offshore Response Cutter

Cyberspace and Homeland Security Enterprise Programs

National Cybersecurity Protection System (NCPS)

Continuous Diagnostics Monitoring (CDM)

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- Independent Test & Evaluation provides Certification/Qualification services in support of TSA.

- Developmental Test, Evaluation and Assistance

- Expertise in testing, explosives handling, physics and chemistry of detection, and blast mitigation

- Rapid response team capabilities

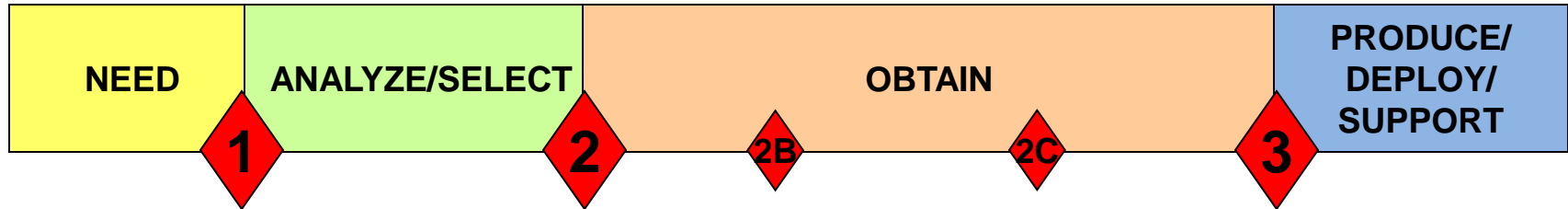- Extensive explosive inventory and specialized facilities

DHS Acquisition Lifecycle Framework
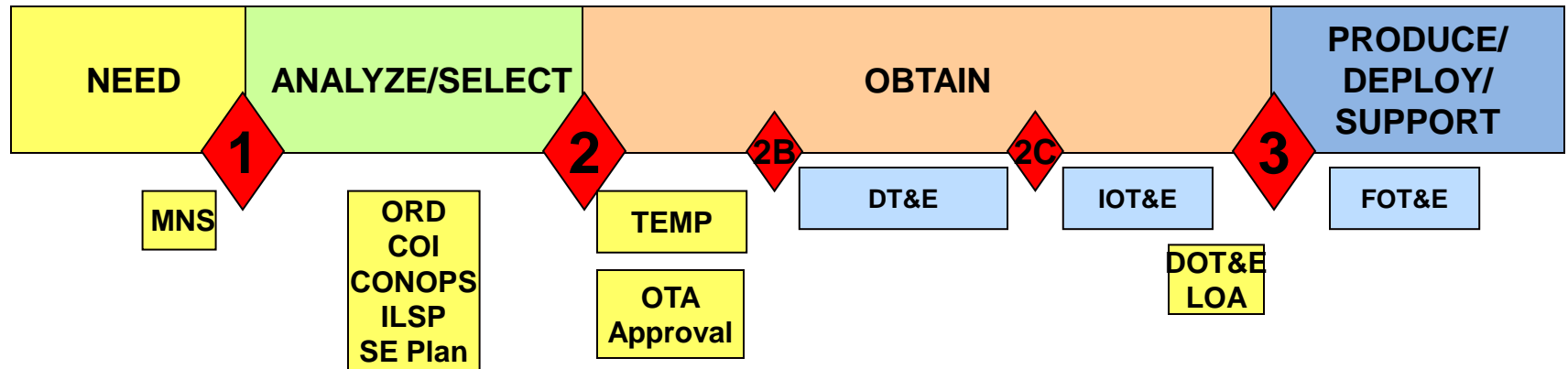
- **3 Program Levels**
  - Level 1: > $1B
  - Level 2: $300M - $1B
  - Level 3: <$300M
- **Master Acquisition Oversight List**
  - 112 programs
    - + 72 Major (Level 1 or 2)
    - + 40 Component (Level 3)
  - $2/3$ Information Technology

DHS Programs

| NEED | ANALYZE/SELECT | OBTAIN | | | PRODUCE/ DEPLOY/ SUPPORT |

Milestones: 1, 2, 2B, 2C, 3

NEED	ANALYZE/SELECT	OBTAIN	PRODUCE/DEPLOY/SUPPORT
UAS	PIB	HC–130H	MH–60T
	FMS	OPC NSC NAIS	144A
		C4ISR MH–65	PB Sust (P)
	TACNET NGN–PS P1I2 STIP HSIN		FRC
	NPPD FNR–CDM ACE IPAWS		MEC
VIS/VER	NCPS Blk 2.2 Transformation LSCMS		RB–M
NGN–PS P1I3	IPSS E^{3}A NGN–PS SPRINT P1I1		CPB
	NGN–PS Vzn P1I1 DEC E^{3}A		Rescue 21
	TECS MOD DROM NGN–PS AT&T P1I1 MEA IFT		Infrastructure
CBTT	AMOC TECS MOD eHR TACCOM		
	TIM		PSP ETD–1
	USSS IITT		PSP BLS–1
	PSP CAT		PSP AT
	PSP AIT–2		PSP AIT–1

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DHS T&E Initiatives

- *Shift Left!*

- Cybersecurity T&E

- Support and strengthen DHS Component T&E efforts

- Improve support to Acquisition Programs and R&D efforts

- Enhance training and infrastructure

U.S. DEPARTMENT OF HOMELAND SECURITY

Homeland
Security

Science and Technology