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## FY08 Outlook

**PRESENTED TO:**  
Chem-Bio Defense Division  
Executive Roundtable  
October 4, 2007

**STEPHEN V. REEVES**  
Major General, USA  
Joint Program Executive Officer  
for Chemical and Biological Defense  
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# FY08 BUDGET REQUEST

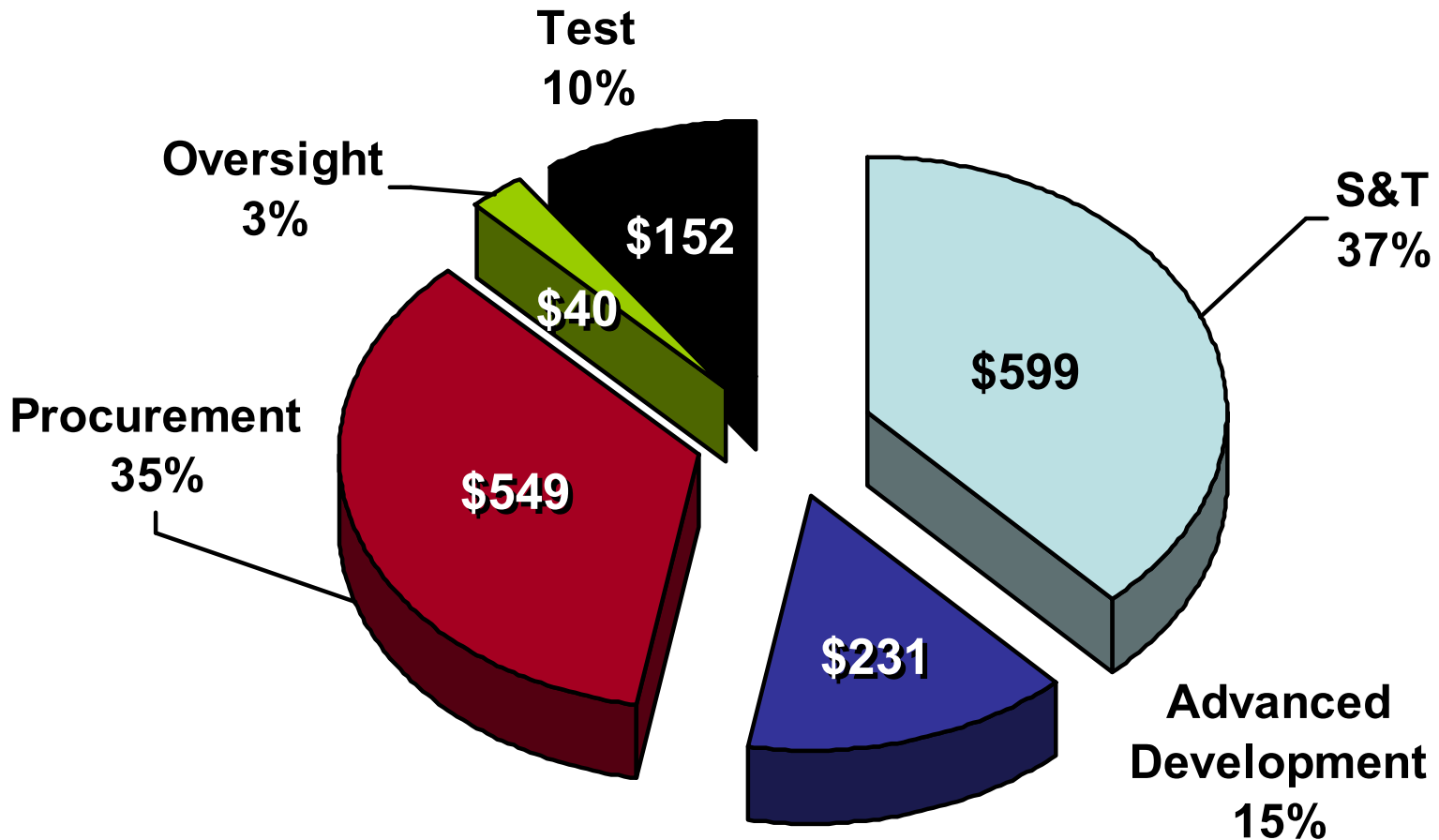
## FY08 TRENDS

## OUTLOOK

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# FY08 CBDP Budget Request (\$M)

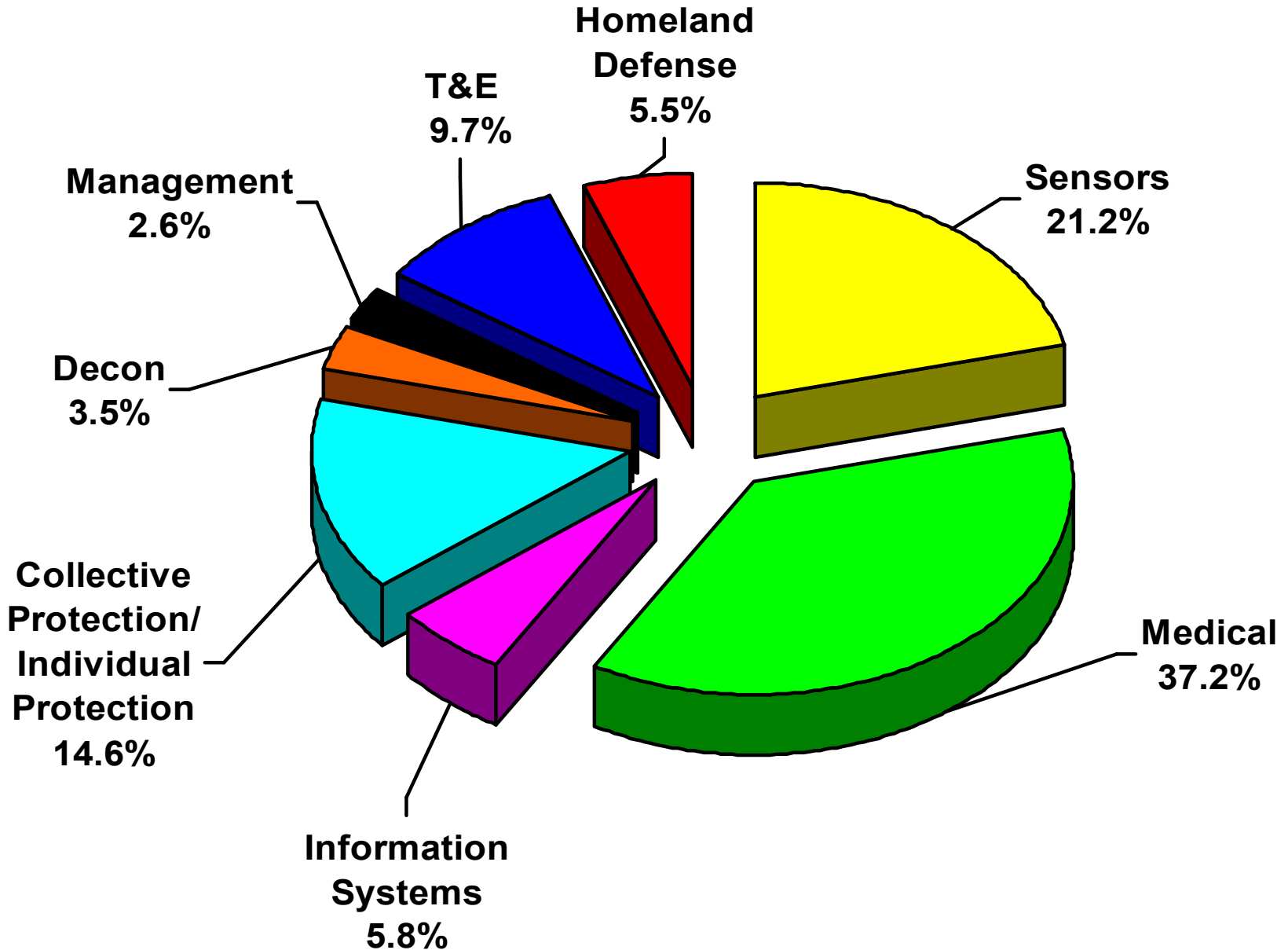


**Total Budget: \$1,570,249,000**

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# FY08 CBDP Portfolios (\$M)

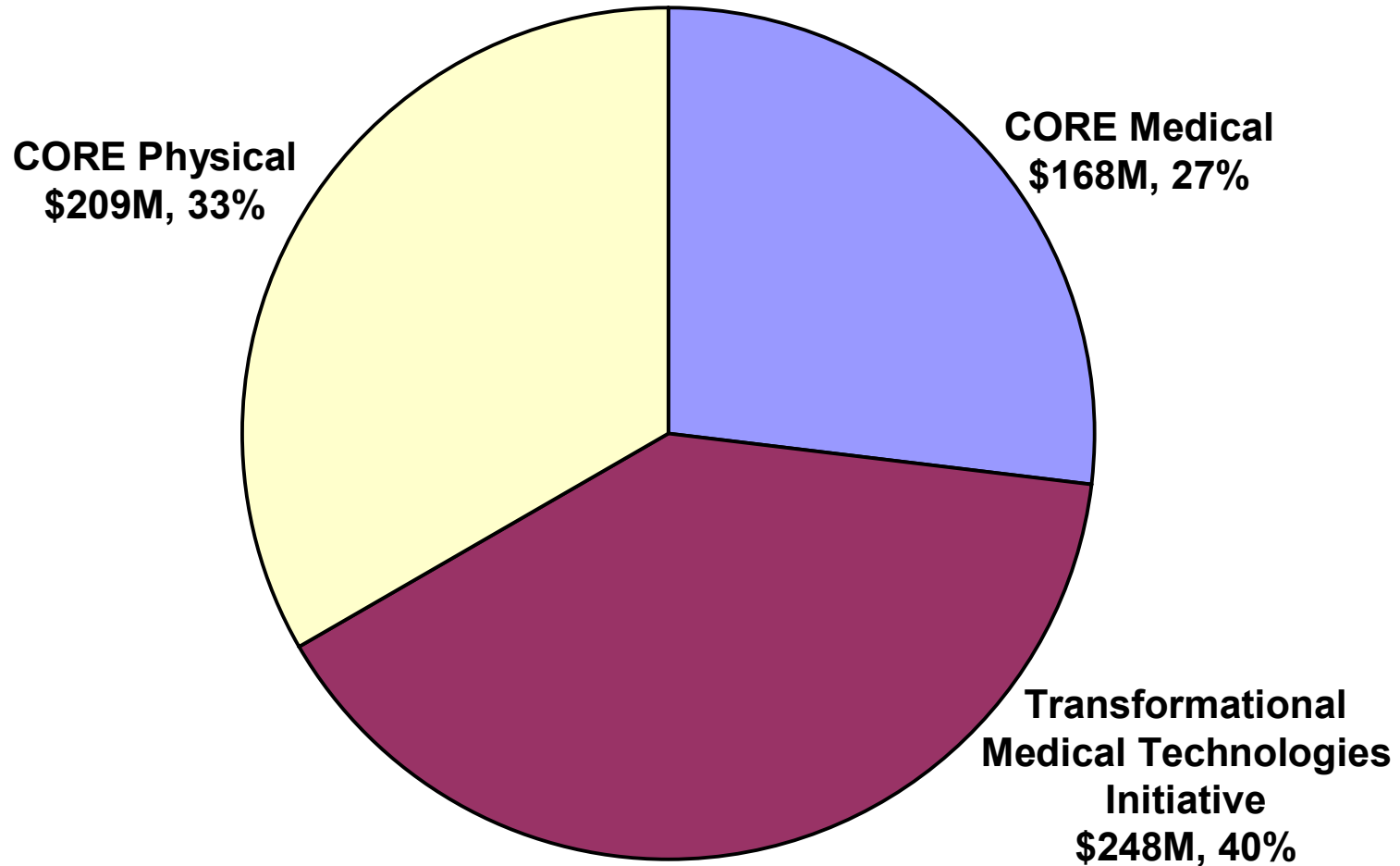


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# FY08 S&T Funding

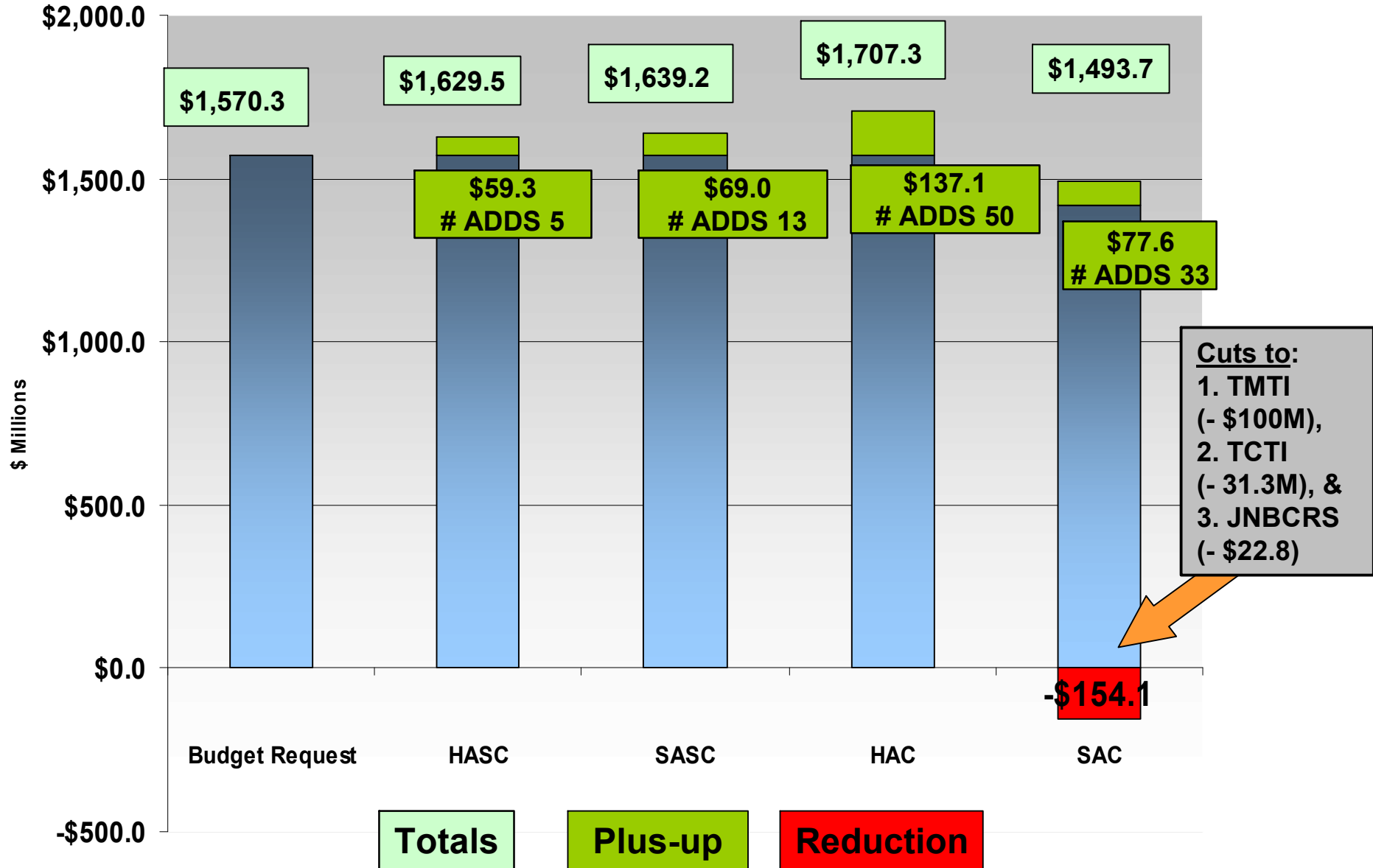
**Medical Program 67% of Tech Base Effort**



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# FY08 Congressional Marks: CBDP (\$M)



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# Congressional Update: Status of FY08 Defense Bills

## Continuing Resolution (CR) for DoD (H.J. Res 52):

- CR Now in Effect Funds Operations Through November 16, 2007

## FY08 Defense Authorization Bill (HR 1585/S. 1547):

- HASC/SASC Marks Complete. Senate Passage Occurred October 1, 2007
- Three Veto Threats Issued

## FY08 Defense Appropriation Bill (HR 3222):

- HAC-D/SAC-D Marks Complete
- Target for Passage Mid-October

## FY08 Supplemental Appropriations:

- Revised White House Request of \$189B Expected to be Submitted to HAC & SAC Within Two Weeks



# FY08 Continuing Resolution

- **Delays New Starts**
- **Incremental Funding Through 1<sup>st</sup> Quarter**
- **Plan Not Earlier Than 2<sup>nd</sup> Quarter for Contract Awards**





# CBDP Opportunities

- **Four FY08 New Starts**

- **Human Remains Decontamination System (HRDS) – \$ 19.4M**

- **Joint Portable Decontamination System (JPDS) - \$ 22.5M**

- **Integrated Point Detection System (IPDS) - \$ 17.2M**

- **Joint NBC Reconnaissance System (JNBCRS), Increment 2 - \$122.9M**

- **Rolling Broad Agency Announcement (S&T/Medical)**



# FY08 Trends

- **Support Current Operations**
  
- **Homeland Defense – Civil Support**
  
- **Targeted Acquisition Reforms**
  - **Concept Definition**
  - **Life-Cycle Management**
  - **Configuration Steering Boards**
  
- **Maintaining Technological Advantage**



# Joint Program Manager Consequence Management

## New PM Under PM Guardian

- **Focal Point for Commercial-Off-The-Shelf Equipment**
  - Testing – Performance Envelope
  - Training – Logistics – CLS/OEM
  - Economic Quantities
  - Life-Cycle Support
  - Obsolescence/ Refreshment/ Programming/ Budgeting



**Supporting Current Ops/ Homeland Defense**

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# Status of Sales to State and Local Government

- **Under the Authority of the Office of Federal Procurement Policy (OFPP) Public Law 108-136 (Section 803)**
- **DoD and DHS May Support State and Local Government in Obtaining Anti-Terrorism Technologies, Supplies and Services**
- **Update:**
  - **OFPP Has Proposed Issuing Implementing Policy**
  - **OSD/DHS/JPEO-CBD/DLA Meeting with OFPP to Ensure the Final Policy Addresses Contracting Authorities, Indemnification, Costs and Revenues**
  - **Estimate Earliest Policy Issue - 90 Days**



# New DoD Policy on Competitive Prototypes

- **Issue:** System Development and Demonstration (SDD) Initiated:
  - Inadequate Technology Maturity
  - Poor Understanding Critical Development Path
  - Based on Paper Proposals with:
    - Insufficient Knowledge of Technical Risk
    - Weak Basis for Cost Estimates
- **Solution/ Policy:** Build Quality (Technically Mature) Prototypes Prior to SDD (Pre-Milestone B) Using Two (2) or More Competing Teams
  - Reduces Technical Risk
  - Provides Basis for Cost Estimates
  - Validates Designs
  - Helps Refine Requirements
- **Outcomes:**
  - Focus SDD on Manufacturing Design
  - Reduce Time to Fielding
    - September 19, 2007 – Acting Under Secretary of Defense for Acquisition Technology and Logistics Memorandum – Prototyping and Competition



# Wide Area Work Flow (WAWF)

(<https://wawf.eb.mil>)

- **Mandatory Use After October 1, 2007**
  - Initiative Began in 1999 with the Introduction of Central Contractor Registration
  - Electronic Invoicing Was Introduced as a Contract Requirement in March 2003
- Provides an Electronic Vendor Invoice to the Customer to Validate, Prepares the DD 250 Receipt, and Forwards to the Appropriate Paying DFAS Office
- Impact to Our Contractors/ Customers:
  - Accelerated Vendor Payment
  - Reduced Billing and Payment Errors
  - Improved Funds Execution
  - Better Cash Flow

**Used Throughout JPEO Now**



# FY08 Outlook

## System Engineering

**Configuration Control**

**Systems Integration**

**Network Centric**

**Information Assurance**

**Common Sensor Interface (Holster)**

**Joint Life-Cycle Management**

## Architectures

- Operational
- Systems
- Technical



# Major Defense Acquisition Program (MDAP) Platforms

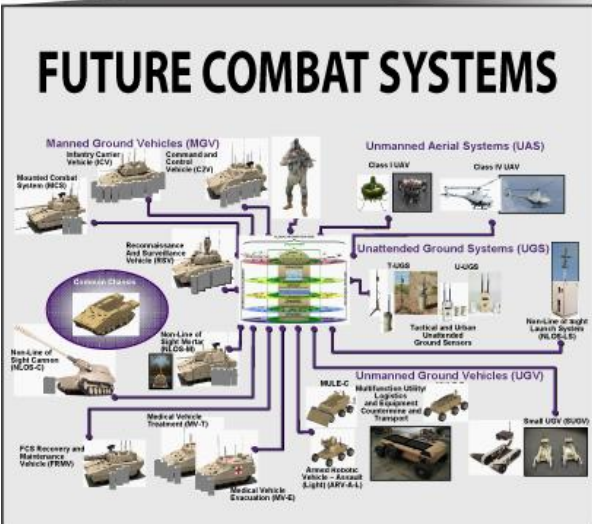
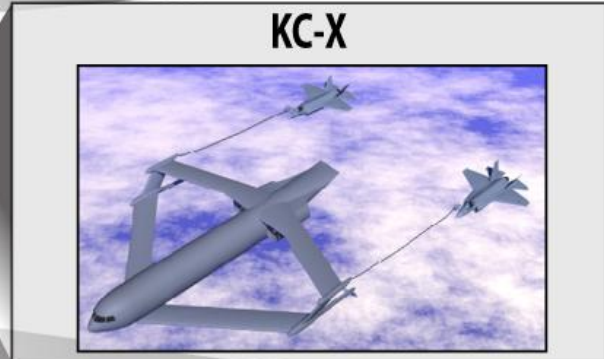
**Working w/17 MDAPS to Date**



**CBRN REQUIREMENTS**

**CBR Detection  
Battle Management  
Integrated Early Warning  
Collective Protection**

**Decontamination  
Individual Protection**



**OTHERS  
JMAC, JLTV, MRAP**

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# Common CBRN Sensor Interface

**Defines Sensor and Platform Interfaces**

**Enables Plug and Play of Modular Sensors**

**Supports Simple Integration Into Any Platform**

**Allows Timely Integration of CBRN Data Into the Common Operating Picture**

**Applicable Across All MDAPs**

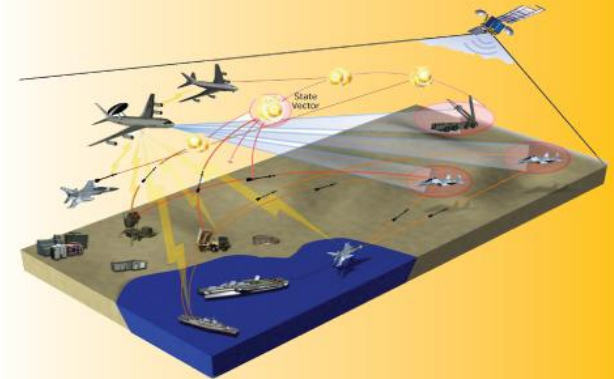
**Sensing Package**

CCSI

**Host System**

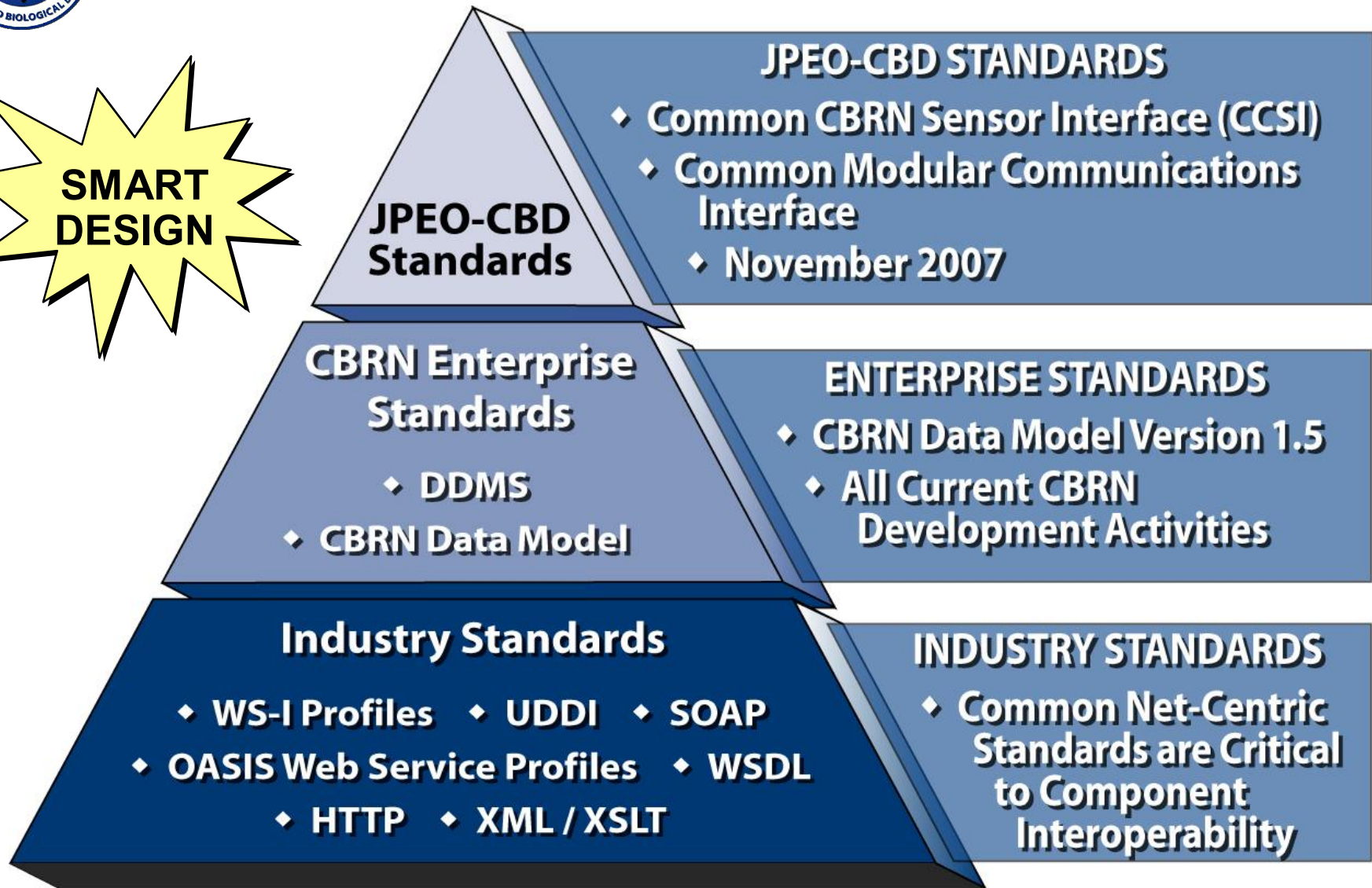
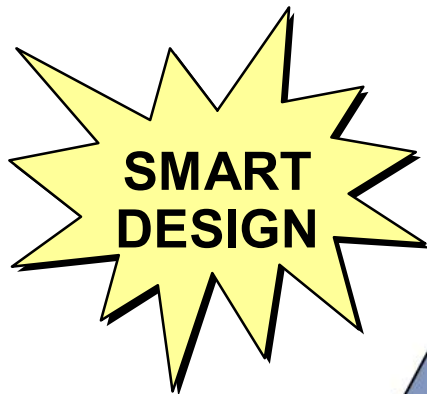


**Modular Sensors "Holster"**





# Standardization



**Interoperability Built From The Bottom Up – Common Standards!**



# Common CBRN Sensor Interface (CCSI)

- **JPEO-CBD Standard for Sensor Physical and Electronic Interfaces**

- Component Interconnects, Power, External Connectors
- XML Communications, Standard Basic Command Set, Modularity

- **Enables Modularity, Integration and Net Centricity**

- Interchangeable Sensor Components (Power, Comms,...)
- Host Platform Can Identify and Communicate with Any CCSI Sensor Using Common Commands and Reports

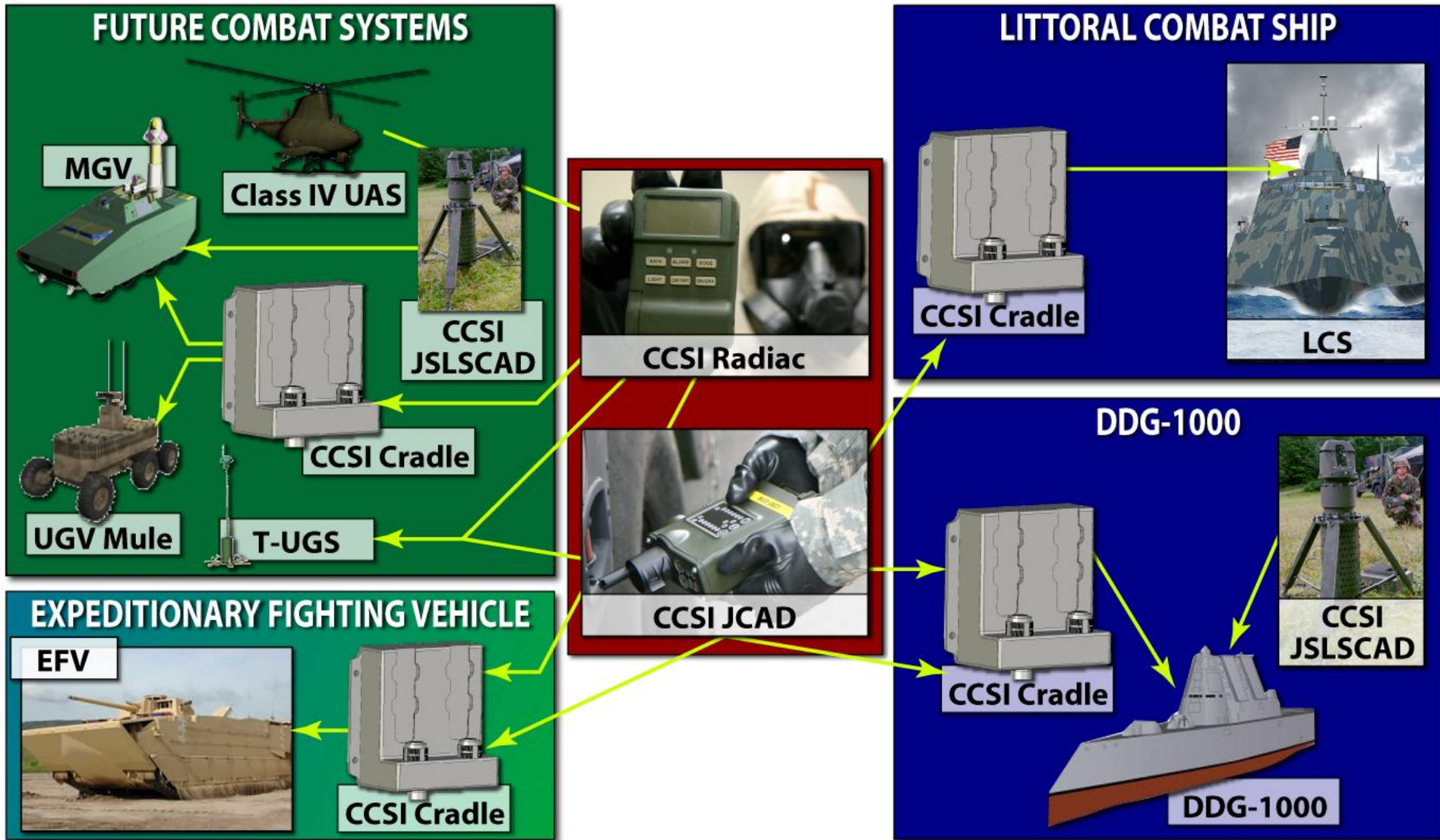
- **Status**

- Electronic Standards and DoDAF Architecture Drafts Complete
  - Early Draft was Provided to NIST, JSTO, and a Manufacturers and Integrators who Requested at APBI
- Physical Standards Draft is in Development Cycle
- Drafts will be Released for Industry Review in Mid October 2007
- Draft Being Used in FCS Sensor Repackaging for JCAD and Radiac

**Version 1.0 Planned to be Ready for Use in Mid November 2007**



# CCSI Will Be Integrated Into MDAP Platforms





# New DoD Research and Engineering Strategic Plan – September 4, 2007

- **Priorities for Science and Technology Investments in Enabling Technologies for Needed Capabilities**
- **Technology Megatrends**
  - Biotechnology
  - Nanotechnology
  - Information Technology
- **CBDP Programs Feature Prominently as Priorities Including Broad Spectrum medical Countermeasures and Stand-Off Detection of Agents**

**The Full Text is Available on the DoD R&E Page at:**

**[http://www.dod.mil/ddre/doc/Strategic\\_Plan\\_Final.pdf](http://www.dod.mil/ddre/doc/Strategic_Plan_Final.pdf)**



# FY07 Contracting Actions

<b>Total Contract Value</b>	<b>\$509.6M</b>
<b>– Large Business (58.7%)</b>	<b>\$299.5M</b>
<b>– Small Business (41.3%)</b>	<b>\$253.5M</b>

**Small Business Goal is 23%**



# Competitive/Non-Competitive Contracts

- **Total Number of Contract Actions Obligating Dollars: 616**
  - Total Competitive Award Actions: 523 at \$393.6M
  - Percentage Awarded Competitively: 84.9%
- **Non-competitive Awards Were Driven By...**
  - Proprietary and License Unique Buys
  - OIF/ GWOT Focused Supplementals
  - Congressional Adds



# Outlook

- **Address Full Spectrum Threats**
- **Continue Interagency Collaboration**
  - **S&T**
  - **Advanced Development**
  - **Procurement**
  - **Standards (Physical/Medical)**
- **Continue Civil-Military Integration**
- **Implement Technical Architecture**
- **Maintain Technological Advantage**



*The BEST Technology and Equipment*

*At the RIGHT PLACE*

*At the RIGHT TIME*

*At the RIGHT COST*

**MG Steve Reeves**

<http://www.jpeocbd.osd.mil>

**JPEO-CBD**

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