

UNCLASSIFIED



Joint Program Executive Office for Chemical and Biological Defense

Joint Program Executive Office for Chemical and Biological Defense

Annual CBRN Conference and Exposition

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Overview

- **JPEO JPM Panel Participants**
- **Changing Nature of the CBRN Threat**
- **Strategy for Combating Future Threats**
- **Long Term Planning and Analysis**
- **Our 30 Year Plan**
- **Demonstrations and Experimentation**
- **Doing Business Differently**
- **How Industry Can Help**



JPEO JPM Panel Participants

Areas of Responsibility



Medical Countermeasure Systems
COL Russell Coleman



NBC Contamination Avoidance
COL Jeffrey Woods

Vaccines

Decontamination



Information Systems
Mr. Scott White



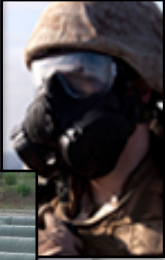
Guardian
COL James Choung



Radiological & Nuclear Defense
Mr. Valentin Novikov



Protection
Mr. Scott Paris



Chemical, Biological & Radiological Agent Detection

Treatments

Diagnostics

Biosurveillance

Information Systems

Installation/Force Protection

WMDs Civil Support



Elimination (P)
Mr. Jeffrey Harris



WMD Elimination

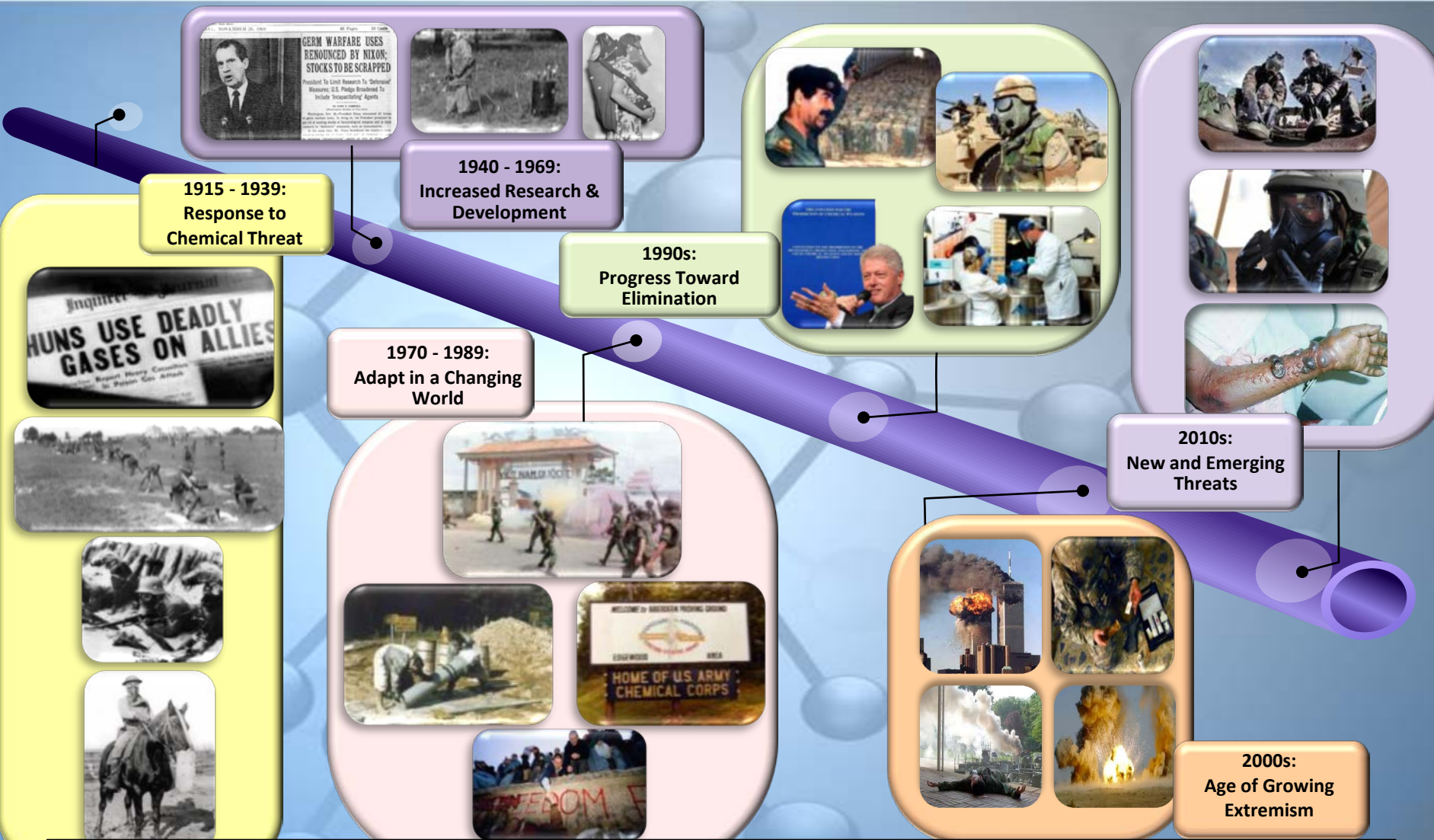


Rad/Nuc Defense



Individual & Collective Protection

The Changing Nature of the CBRN Threat



And the threat will continue to evolve...



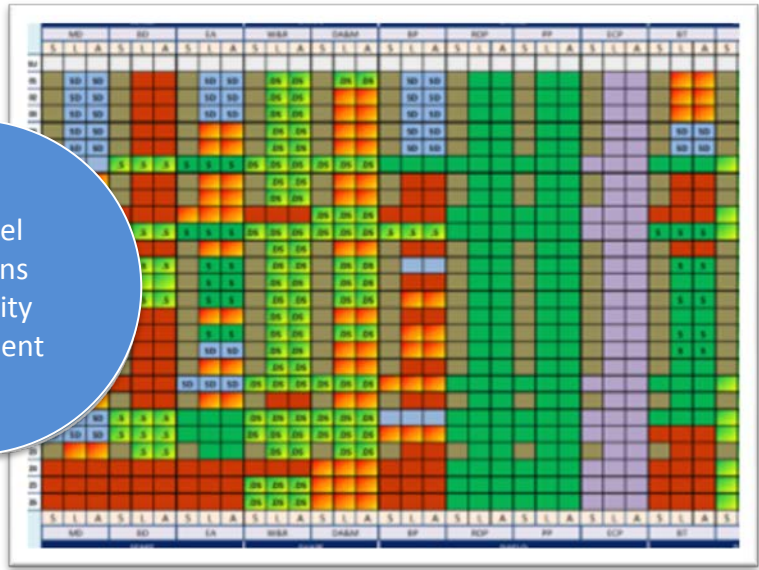
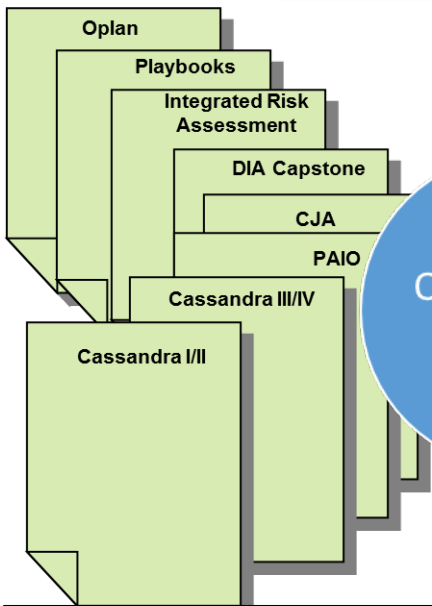
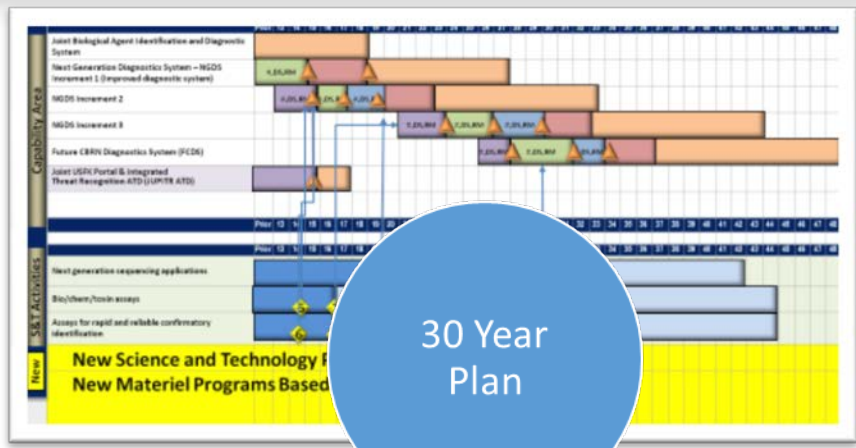
Strategy for Combating Future Threats

- **Broaden Aperture of Threats Currently Looking to Defeat and Find Innovative Ways to Capture More Threats**
- **Focus Research on Understanding Operational Impacts of Emerging Threats**
 - **Conduct Research and Development Across the Spectrum of Emerging Threats Instead of Compound by Compound**
 - **Detect Hazardous Agents Instead of Identifying Specific Compounds**
- **Exploit Rapidly Adaptable Technologies while Focusing on Development of Modular/Easily Upgradeable Systems**
- **Long-term Planning with Analysis/Projection of Materiel Solutions**
- **Utilization of Demonstrations and Experimentation**

Ultimate Challenge: How do we get in front of the threat?



Long Term Planning Process



Three-prong Approach to Long Term Planning



What Does the 30 Year Plan Mean?

- **We are Looking at Our Portfolio Differently**
- **30 Year Roadmaps Help Provide Intended Direction and Estimated Time Frames**
 - **Roadmaps Must be Viewed Strategically**
 - **Not Stove Pipe Efforts**
 - **Capability Sets**
 - **Family of Systems**
- **Insight into Emerging Technologies**
 - **What is Possible in the Future?**
 - **What are the Game Changing Technologies?**
 - **Where Can Our Partners Help Solve the Hard problems?**

Strategic View into Possible Solutions



Demonstrations & Experimentation

- **Demonstrations and Experimentation**
 - Address Operational Capability Gaps Utilizing a Family-of-Systems Approach
 - Inform Requirements and Current Programs
 - Assist in the Refinement of Doctrine/CONOPS/TTPs
 - Assess and Increase the TRL of Technologies
- **Desired Outcomes**
 - Quickly Deliver Interim Operational Capability
 - Embrace Better Buying Power 3.0
 - Reduce Acquisition Cycle
 - Standardize COTS
 - Leverage Sets, Kits and Outfits (SKO)
 - Minimize Sustainment Costs

**Programs of Record to begin 3 years after ATD
Fielding to begin 3 years after start of POR**



Demonstrations & Experimentation

- **Advanced Technology Demonstrations (ATD) are a significant component of JPEO-CBD's strategic initiative to use demonstration and experimentation within agile development**
 - **Joint USFK Portal and Integrated Threat Recognition (JUPITR) ATD**
 - **4 Legs: Biosurveillance Portal, Biosurveillance Identification Capability Sets, Assessment of Environmental Detectors, Early Warning**
 - **Operational demonstration held (June/Republic of Korea) showcased increased military utility through sensor integration and information sharing, as well as state-of-the art sensor technologies used to detect, identify, and warn of biological threats.**
 - **Follow-on Biological Identification Capability Sets (BICS) Operational Demonstration 4QFY15**
 - **Whole System Live Agent Test for candidate environmental detectors**
 - **Cyber test on final JUPITR configuration**
 - **Joint CBRNE Advanced Capability Sets (JCACS) ATD**
 - **3 year effort; 4 thrust areas: Protection, Contamination Mitigation, Characterization, Situational Awareness**
 - **Supports several MSCoE/CBRN School Efforts**
 - **ATP 3-37.11 Chemical, Biological, Radiological, Nuclear, and Explosives Task Force Operations**
 - **Army 2014 Capabilities Based Assessment**
 - **Future CBRN Force Design and Force Structure**



ATD Schedule and Industry Opportunity

FY15	FY16	FY17	FY18	FY19	FY20	FY21
	Increment 1 Execution	Increment 1 Residual				
		Increment 2 Execution	Increment 2 Residual			
			Increment 3 Execution	Increment 3 Residual		

- **Near Term**
 - **Industry Day, E2800 Edgewood, APG. FBO Solicitation Number: W911SR-15-JCACS-ATD**
 - 16 Sep ATD Presentations, Q&A Forum, One-on-One Sessions
 - 17 Sep One-on-One Sessions
 - White Papers due 30 days prior to Industry Day; Identify TRL (≥ 6) and Test Data. Submit revised or initial white papers NLT 60 days following Industry Day
 - Anticipate responses to White Papers within 30-60 days
 - The forum is UNCLASSIFIED
 - Registration via email to alex.m.schupp.civ@mail.mil
- **Mid Term**
 - Follow on Industry Day in Early 2017



Doing Business Differently

- **Contracting**
 - Joint Enterprise Research & Development Acquisition and Procurement (JE-RDAP)
- **Other Transaction Authority (OTA)**
 - Medical Consortium/RFI April 2015
- **Industrial Base**
 - Organic
 - Pine Bluff Arsenal
 - Commercial Partnerships
- **Sustainment**
 - Integrated/Joint Sustainment
- **Long-Term Planning**
 - 30 Year Plan

Innovation Critical to Streamlining Acquisition Processes



What we need from Industry

- **Partnerships to Develop Innovative, Non-traditional solutions**
- **Partnerships to Accelerate Introduction of New Technologies and Fielding of New Capabilities**
- **Insight into Emerging Technologies**
 - What is possible in the future?
 - What are the Game Changing Technologies?
 - Where can industry help to solve the hard problems?

**We must to work with Industry
to Accelerate Fielding Capability**



Summary

- **JPEO-CBD is Changing the Way We Do Business**
- **New strategy Ensures We are Better Postured to Combat Future Threats**
- **Continued Partnership with Industry is Key**

Upcoming Industry Engagements

JPEO-CBD JPM Office Calls: July 23, 2015

**Aberdeen Proving Ground
Acquisition Planning Briefing for Industry: Nov 3-5, 2015**

***The BEST Technology and Equipment
At the RIGHT PLACE
At the RIGHT TIME
At the RIGHT COST***



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