



# JPEO-CDRND

Future Direction of the JPEO  
CBDAIF 15 August 2019

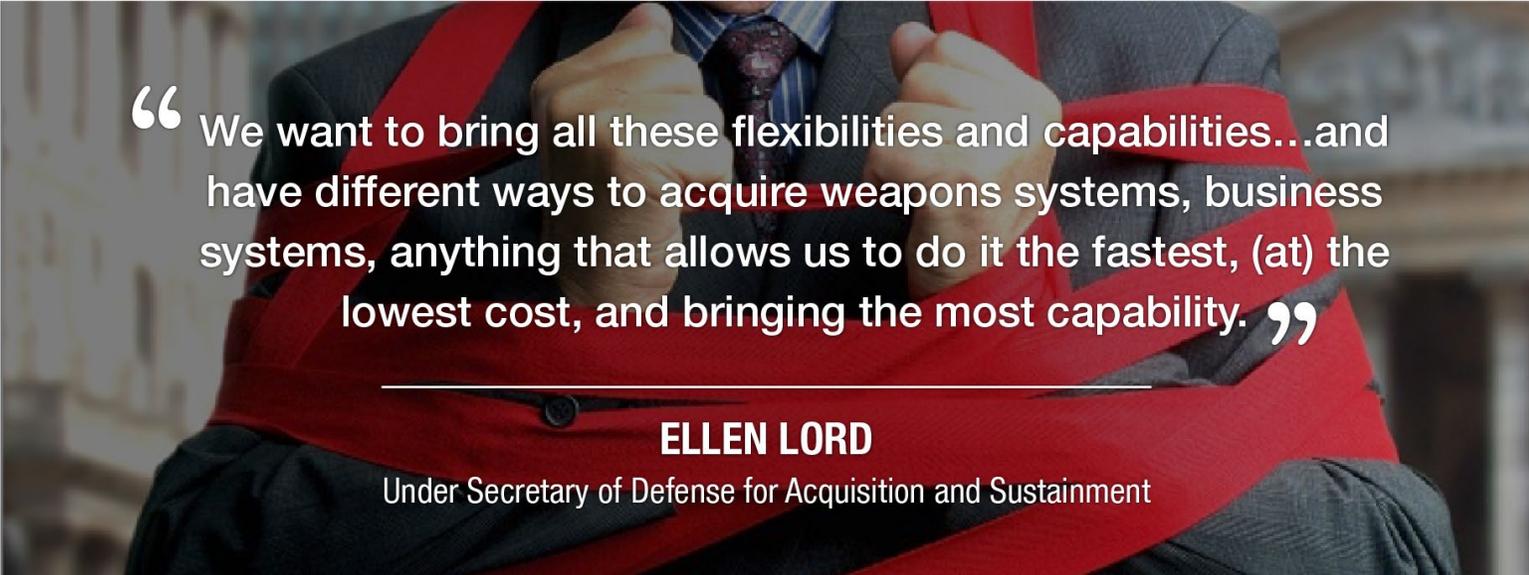


**Dr. Jason Roos**

Joint Program Executive Office for Chemical, Biological, Radiological and Nuclear Defense

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# WHY REORGANIZE?

A man in a dark suit and tie is tearing a wide red ribbon across his chest with both hands. The background is a blurred office setting.

“ We want to bring all these flexibilities and capabilities...and have different ways to acquire weapons systems, business systems, anything that allows us to do it the fastest, (at) the lowest cost, and bringing the most capability. ”

**ELLEN LORD**

Under Secretary of Defense for Acquisition and Sustainment

## MISSION

Protect the Joint Force from weapons of mass destruction by generating affordable capabilities.

## VISION

A resilient Joint Force enabled to fight and win unencumbered by a chemical, biological, radiological, or nuclear environment; championed by innovative, agile, results-oriented acquisition professionals.



# HOW WE REORGANIZED

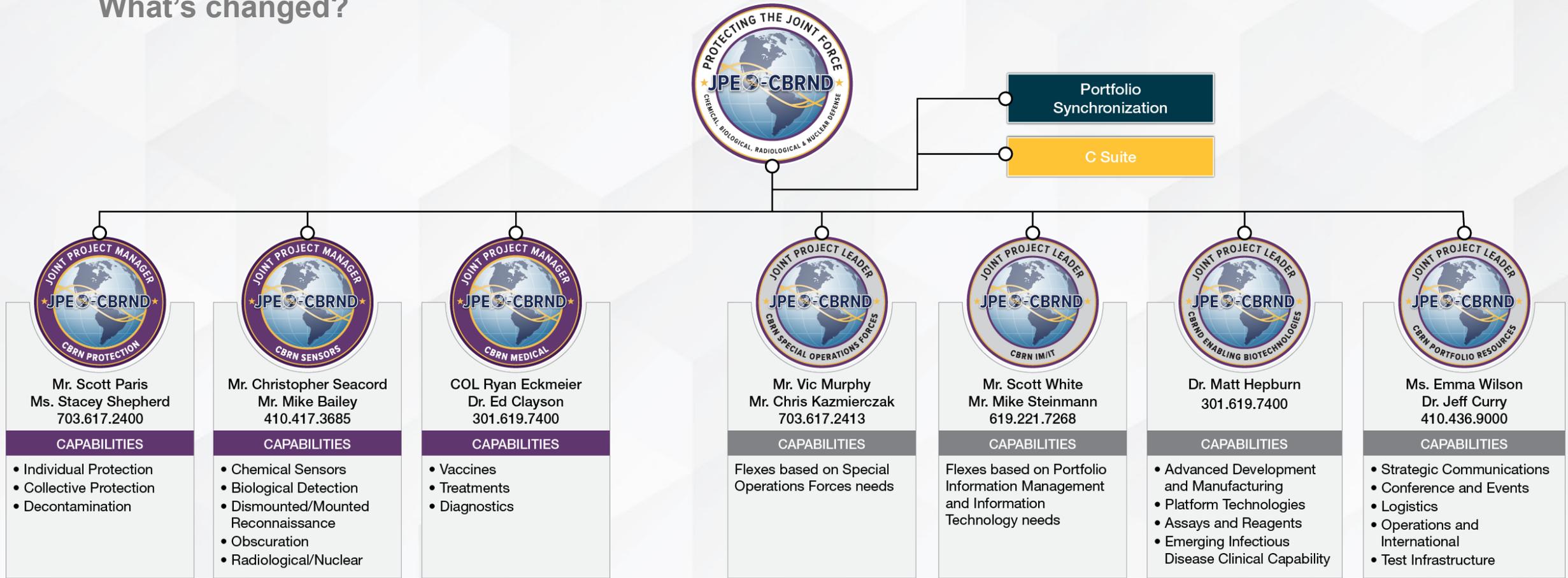
## Portfolio Management

- Moving to portfolio management
- Shifting focus to data analytics and integration efforts
- Managing entire portfolio as a holistic enterprise



# JPEO-CBRND ORGANIZATION

What's changed?



# JPEO-CBRND HEADQUARTERS ORGANIZATION

Focus on Portfolio Synchronization



## Director, CBRN Integration

Enable the investment in and development of mission-based capability sets within the portfolio through an integrated architecture of current and emerging capabilities, threats, requirements and user engagements

- Experimentation
- Enterprise Architecture
- Emerging Threats
- Strategic Engagement
- Systems Engineering
- Emerging Capabilities

## Director, CBRN Analytics

Strategically align policy, people, process, data, and technology to enable leaders at all levels to assess and respond to the health and risks of the portfolio necessary to achieve strategic goals

- Portfolio Analysis
- Data Management and Governance
- Cost, Schedule, and Performance Trade-offs
- PPBE Synchronization
- Assessment and Portfolio Insight



# WHAT DOES THIS MEAN FOR INDUSTRY?

- Everyone in this room is committed to the same mission
- Shifting to Portfolio Management will allow JPEO to:
  - Find efficiencies so we can buy smarter
  - Make better-informed decisions about technology insertion
  - Do a better job keeping industry informed about program decisions



# FUTURE CAPABILITIES



**PROTECTION**

- Next generation protective ensemble
- Next generation respiratory and ocular protection
- DECON family of systems
- Integrated contamination mitigation
- Coatings/barriers



**SENSORS**

- Robotics and autonomous systems
- Decision support tools
- Machine learning, artificial intelligence
- Space and intelligence, reconnaissance, surveillance
- Tactical biodetection
- Radiological/nuclear



**MEDICAL**

- One treatment, many threats
- Rapid medical countermeasures response
- Genomic sequencing
- Pre-symptomatic diagnostics
- Agile medical paradigm



# WHERE YOU CAN FIND THE JPEO...



General Membership  
Meeting  
November 12-13

**November 12-13, 2019**

**CWMD Consortium General Membership Meeting (GMM), Rockville, MD.**

The Medical CBRND Defense and CWMD OT Consortia will hold their annual general membership meetings at the Bethesda North Marriott, Rockville MD on 12 and 13 November. This event will feature both JPEO-CBRND and DHS CWMD Office collaborative efforts, one-on-one sessions and business opportunities. The Defense Threat Reduction Agency and CDC Chemical and Biological Center will also be discussing business opportunities and holding one on one sessions with industry.

Website: <https://www.cwmdconsortium.org/events/>



**November 18-21, 2019**

**Chemical and Biological Defense Science & Technology (CBD S&T) Conference, Cincinnati, Ohio.**

The 2019 CBD S&T Conference will be held at the Duke Energy Convention Center. Hosted by the Defense Threat Reduction Agency (DTRA), this conference will have more than 1,500 scientists, program managers and leaders from across the globe who are committed to making the world safer by confronting chemical and biological defense challenges.

Website: <https://www.cbdstconference.com/2019homepage>





# Preventing the Worst by Providing the Best

## **Dr. Jason Roos**

Deputy Joint Program Executive Officer for  
Chemical, Biological, Radiological and Nuclear Defense

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[www.jpeocrnd.osd.mil](http://www.jpeocrnd.osd.mil)