



NDIA CBRN DEFENSE

Conference and Exhibition
July 25, 2018



PROTECTING THE JOINT FORCE

*Mr. Douglas Bryce
Joint Program Executive Officer
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and Nuclear Defense*

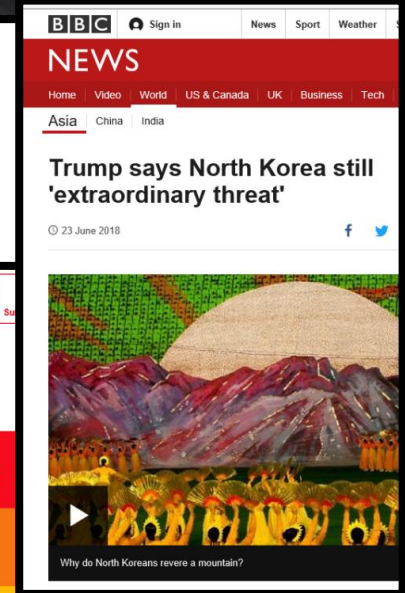
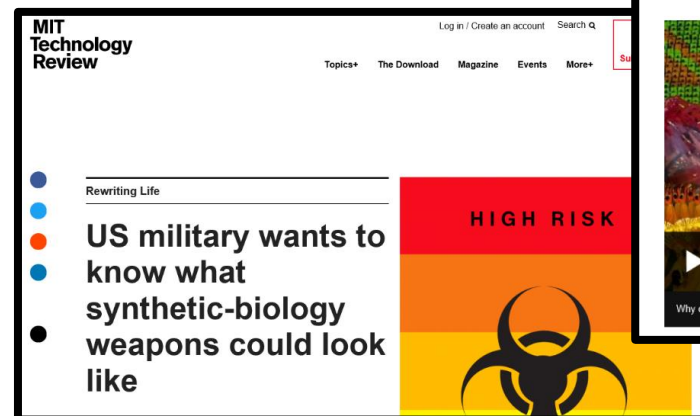
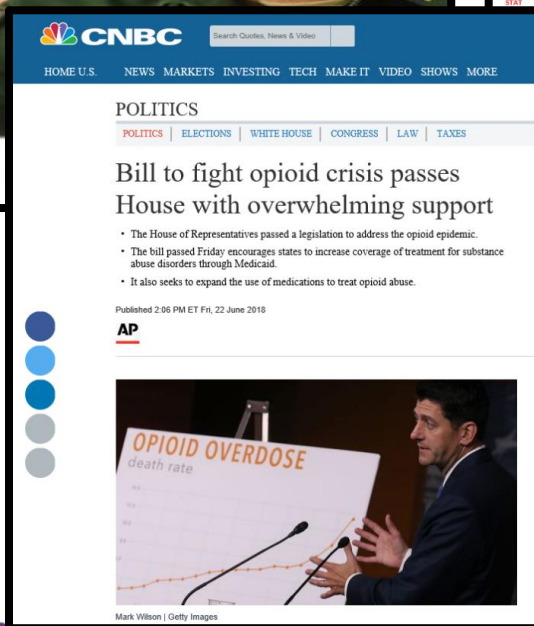
JPEO-CBRND – WHO WE ARE AND WHERE WE ARE HEADED



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WE FACE A COMPLEX THREAT ENVIRONMENT



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A GLIMPSE AT LAYERED, INTEGRATED DEFENSE

Medical
Prophylaxis



Initial Layer of
Protection

Autonomy
Intelligence



Early Warning
to enable
Commander's
Operational Decision-
Making

PPE,
Collective
Protection,
Decontamination



Reduction of
Primary &
Secondary
Exposure to CBRN
Threats

Environmental
Surveillance



Stryker NBC
Recon Vehicle

Post Exposure
Prophylaxis
Administered Upon
Agent Exposure

Diagnostics/
Therapeutics



Lower Echelon Rapid Diagnostics
to Determine Treatment and
Reduce Further Exposure

Layered
Defense



Layered
Defense
Protection
Maintains
<80% of
Fighting Force

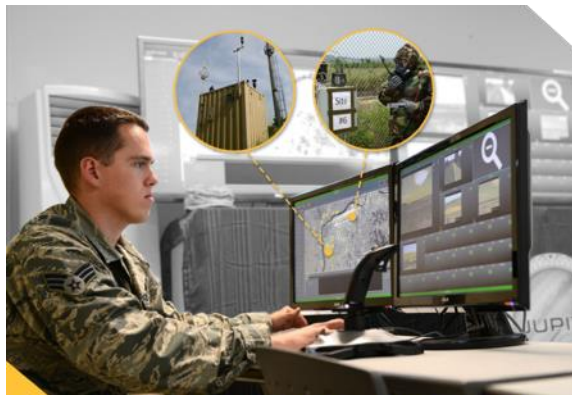


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REALIZING INTEGRATED LAYERED DEFENSE

TODAY'S MODERNIZATION IS TOMORROW'S READINESS



INTEGRATED SITUATIONAL UNDERSTANDING

- Machine Learning and Artificial Intelligence
- Next generation CBRN sensing and detection
- Wearable technologies



PROTECTION AND MITIGATION

- Next generation protective ensemble
- DECON family of systems
- Coatings/Barriers
- Collective Protection

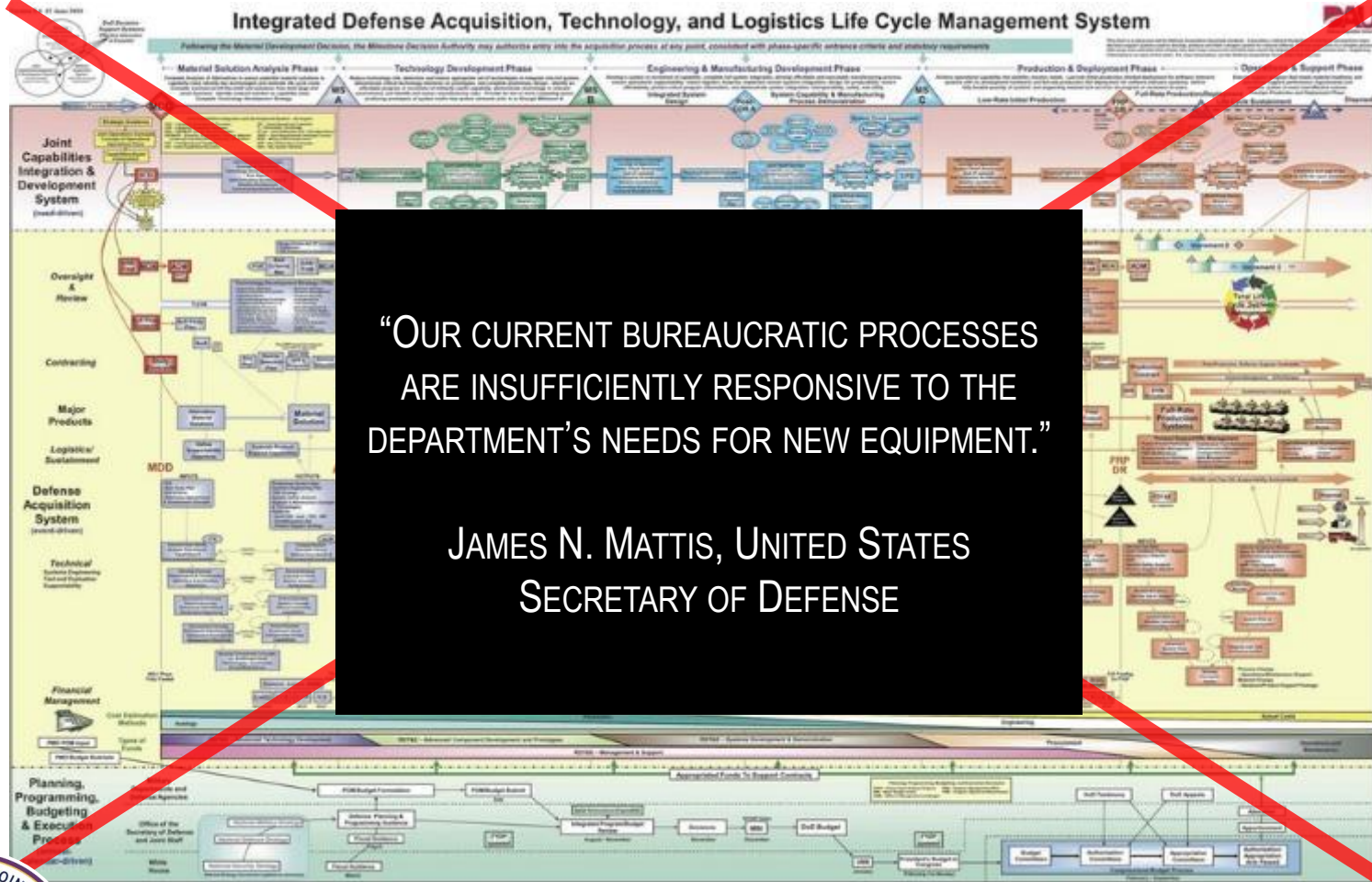


MEDICAL PROTECTION AND MITIGATION

- Agile medical paradigm
- Platform/proven technologies
- Next generation diagnostics
- Advanced development manufacturing capabilities



WINTER IS COMING!



“OUR CURRENT BUREAUCRATIC PROCESSES ARE INSUFFICIENTLY RESPONSIVE TO THE DEPARTMENT’S NEEDS FOR NEW EQUIPMENT.”

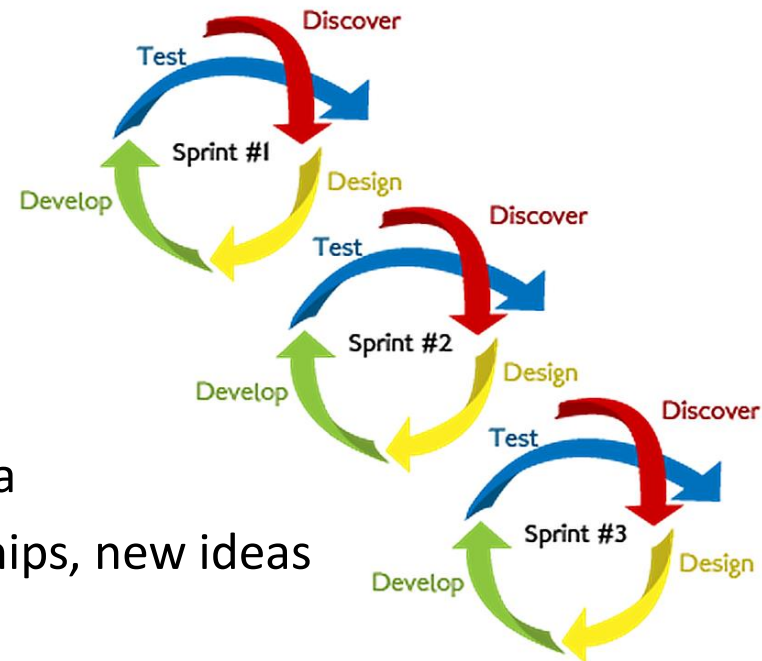
JAMES N. MATTIS, UNITED STATES SECRETARY OF DEFENSE



GETTING TO AGILE: PRODUCT VS. PROCESS

Ways the JPEO-CBRND is speeding the delivery of innovative solutions:

- Leveraging new legislation
 - Middle Tier Acquisition (Section 804/806/*809)
 - Other Transaction Authority (OTA)
 - Enhanced FDA / DoD engagement (PL115-92)
- Experimentation / Prototyping
- Early user involvement
- Renewed engagement with industry / academia
- Focus on innovation - new performer partnerships, new ideas



JPEO-CBRND's idea incubator

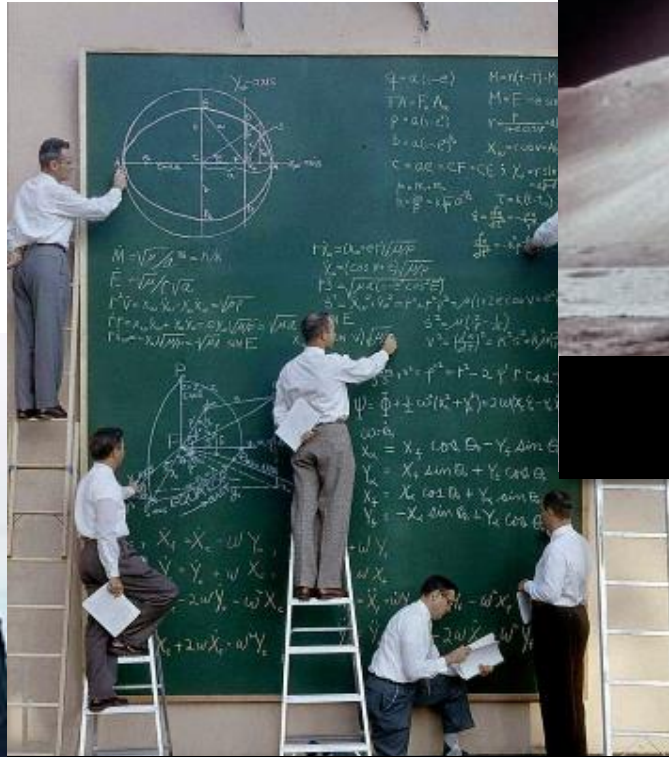
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THINKING BIG TOGETHER



Bold Vision



Ingenuity



Execution

What's it going to take for CBRN defense?

“Creativity is thinking up new things. Innovation is doing new things.” - Theodore Levitt, American Economist





***The Right Technology,
at the Right Time,
in the Right Place
and for the Right Cost***

Douglas W. Bryce

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