



Rapid Fielding Portfolio, Strategies & Opportunities

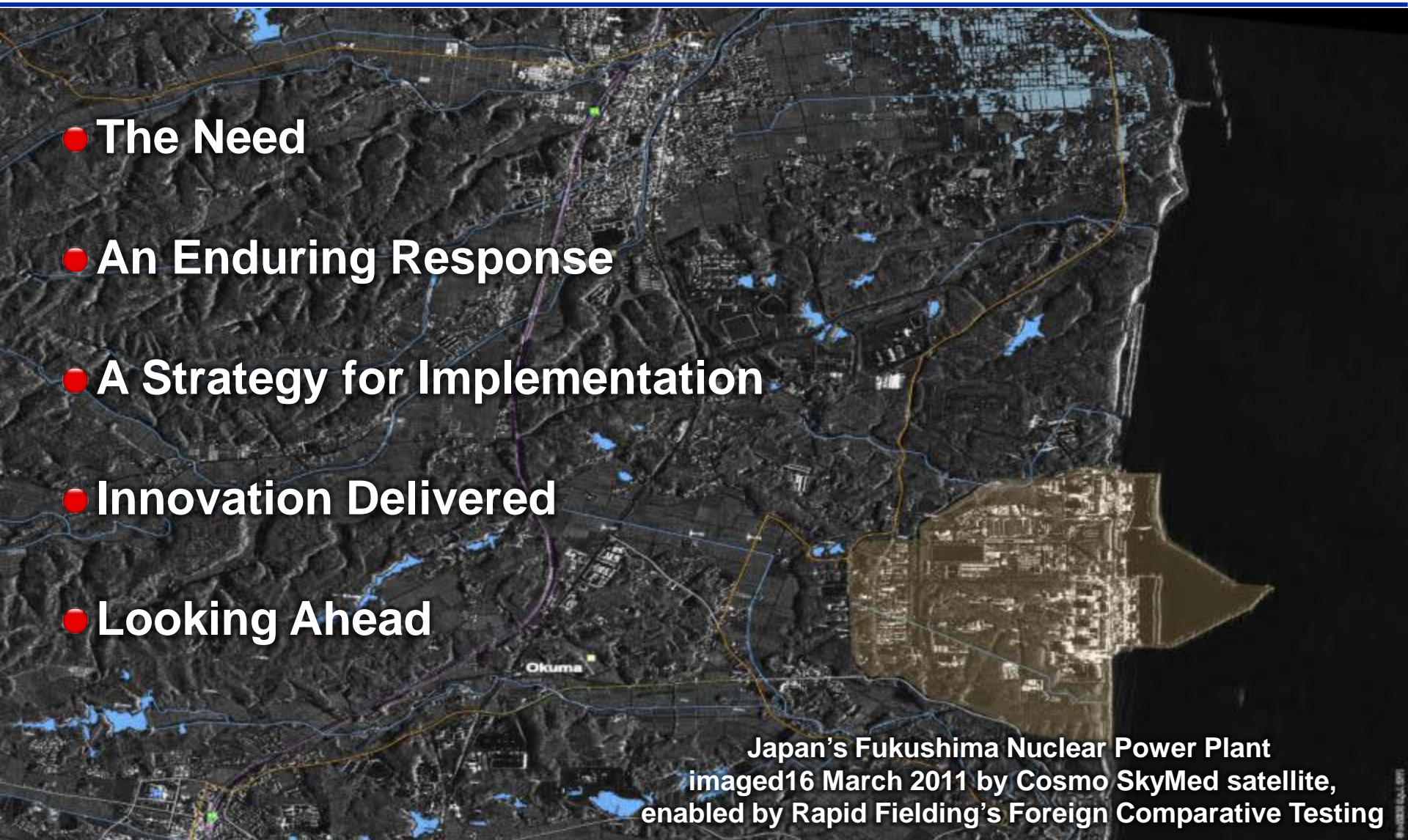
Earl Wyatt

**Deputy Asst Sec of Defense, Rapid Fielding
OASD(R&E)**



Topics

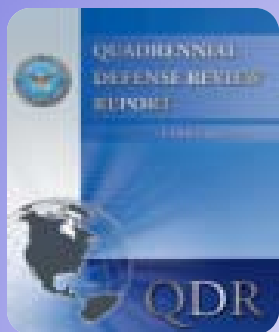
- **The Need**
- **An Enduring Response**
- **A Strategy for Implementation**
- **Innovation Delivered**
- **Looking Ahead**



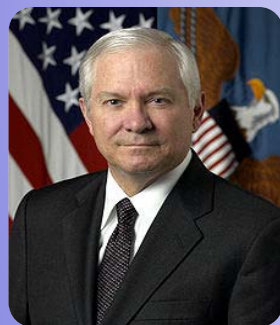
Japan's Fukushima Nuclear Power Plant imaged 16 March 2011 by Cosmo SkyMed satellite, enabled by Rapid Fielding's Foreign Comparative Testing



The Need



“....the Department needs a means to quickly prioritize and quantify requirements and to insure that the resources are available to enable rapid fielding of capabilities inside of the Department’s Planning, Programming, Budgeting and Execution System (PPBES) cycle” Quadrennial Defense Review 2010



“We must rapidly react to warfighting needs with new technology from commercial sources, prototyping or accelerated maturation of technology from the Science and Technology base.”

Sec. Gates, Jan 09

“Rapid fielding requires rapid performance from the entire AQ team, including the test and evaluation community ... without delaying our response to these urgent requirements ...”

Dr. Carter, Mar 09





An Enduring Response



- ***USD AT&L – Established a senior integration team to prioritize, resource and provide senior-level oversight of urgent operational needs***
- ***ASD(R&E) – Established the ODASD(Rapid Fielding)***
 - ***Accelerate technical capability to win the current fight***
 - ***Support and engage in JUONs resolution***
 - ***Build an enduring rapid demonstration, assessment and fielding model for DoD that invests in near horizon concepts and rapidly transitions them for time sensitive operational needs***
 - ***Shape Quick Reaction Special Projects, Joint Capability Technology Demonstration, Foreign Comparative Testing, Biometrics S&T and Emerging Capabilities program elements to achieve the rapid fielding objective***



A Strategy for Implementation



- **Identify, Develop and Demonstrate Concepts and Capabilities Providing a Competitive Advantage**
 - Identify existing solutions capable of satisfying new JUONs within 12 months, or
 - Work with the R&E Enterprise (e.g., Services, Labs, etc.) to develop solutions for JUONs that can be resolved within 24 months

- **Ensure Responsive Processes**
 - Resource efforts that support continuous COCOM engagement
 - Conduct continuous review of acquisition related processes (needs validation, acquisition priorities, resourcing, utility assessments)

- **Conduct Anticipatory Efforts to Positively Impact Operational Readiness**
 - Engage stakeholders to help identify technology trends, potential vulnerabilities and disruptive threats
 - Expand problem/solution space to include interagency, non-kinetic, human social culture, and dual use technologies

- **Make Efficient Use of the Instruments at our Disposal**
 - Employing the use of fieldable prototypes (organically / industrially);
 - Providing operationally representative integration venues (JERC, Stiletto, Thunderstorm, etc.); and,
 - Expanding supplier base to include to non-traditional performers



Implementation Partners

● Identify, Develop and Demonstrate Concepts and Capabilities Providing a Competitive Advantage

- Combatant Commands, Services, Defense Agencies (e.g., NSA, DTRA, DISA, DARPA)
- Other Federal Agencies (e.g., DHS, DoS, NASA)
- Industry, with particular emphasis on small business, and the OSBP

● Ensure Responsive Processes

- Congressional Defense Committees
- OSD Policy and OSD OSBP
- OSD General Counsel
- OUSD(AT&L)
 - OASD(R&E)
 - Joint Rapid Acquisition Cell (JRAC)
 - Defense Procurement and Acquisition Policy (DPAP)

● Conduct Anticipatory Efforts to Positively Impact Operational Readiness

- Combatant Commands
- Services
- Defense Agencies (e.g., NSA, DTRA, DISA, DARPA)
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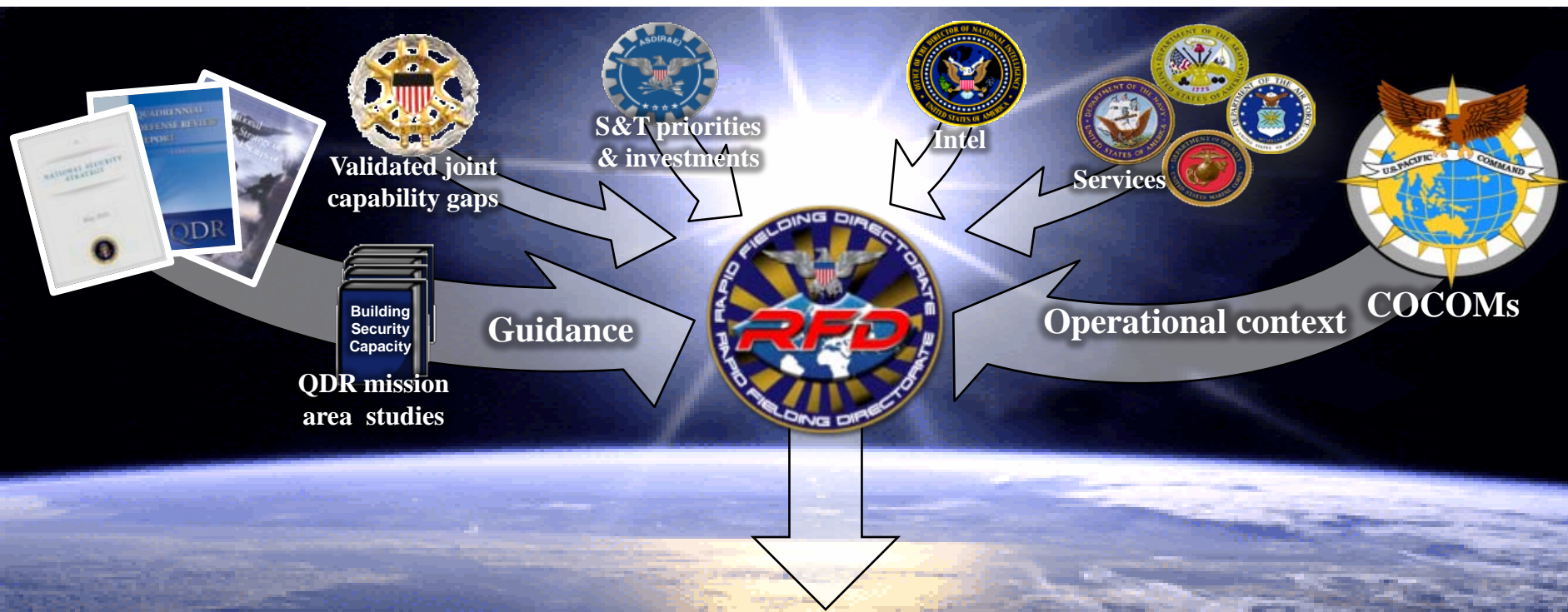
- R&E Enterprise (Labs, FFRDCs, Coalition Partners, GIFs, Non-Traditional Suppliers)



Heavy equipment recovery with the Joint Recovery and Distribution System JCTD in Afghanistan. Conducted in partnership with US Transportation Command, US Army and industry



Innovation Delivered



Identify, Develop, and Demonstrate Innovative Solution Options for Joint Capability Areas

Force Protection

- Airborne Tac Extraction (FCT)
- Enhanced Mortar Tgt Sys (ECTD)
- Nat'l Technical Nuclear Forensics (JCTD)
- Hostile Fire Detection Sys (QRSP)
- Persistent Grnd Surveillance System (JCTD)

Battlespace Awareness

- Rapid Reaction Tunnel Detection (JCTD)
- XFC Submerged launch UAV (QRSP)
- Eagle Vision (FCT)
- Project SHIVA (QRSP)
- Thunderstorm Test Venue (ECTD)
- Stiletto Maritime Test Platform (ECTD)

Command & Control

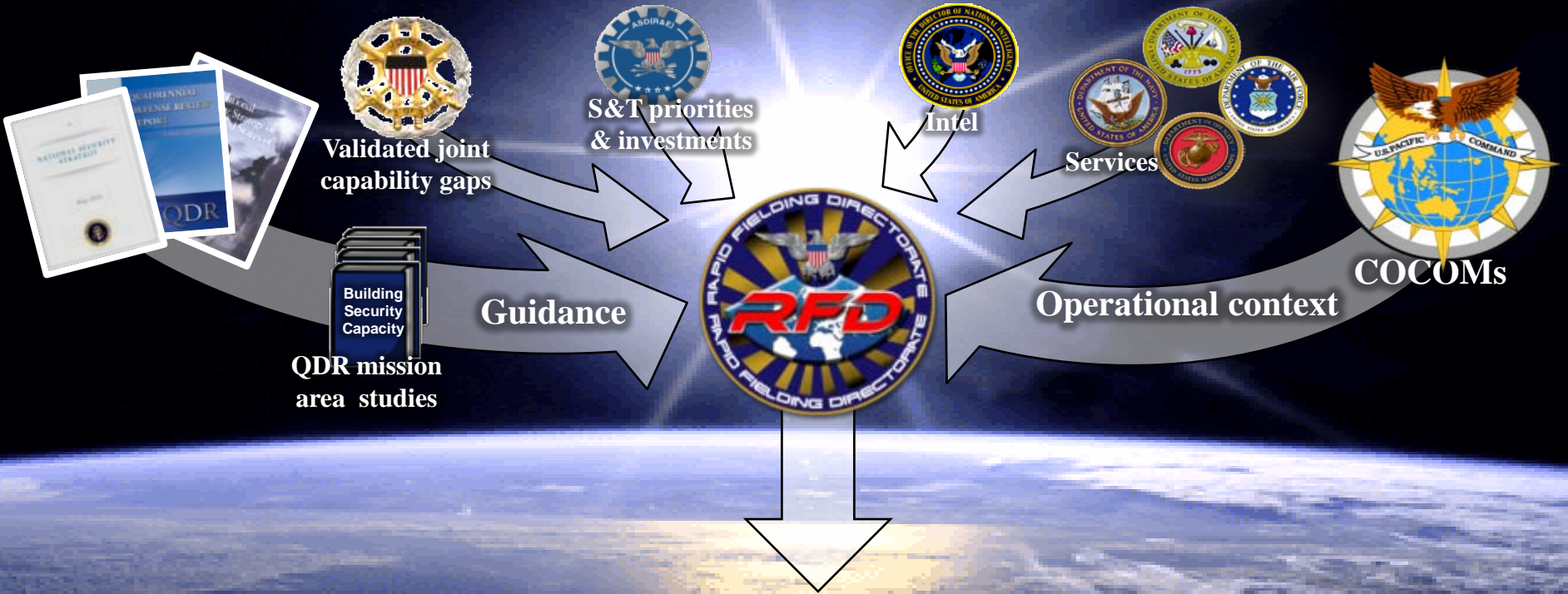
- Mobile Modular C2 (QRSP)
- Nat'l Senior Leadership Decision Support Services (JCTD)
- Theater Information Sharing Sharing (JCTD)
- Tactical Edge Data Solution (JCTD)

Logistics

- PEAK (JCTD)
- Critical Runway Assessment & Repair (JCTD)
- Submersible Multi-Fuel Outboard Engines (FCT)
- Deployable Rigid Wall Shelters (FCT)
- Project Pelican (ECTD)



Looking Ahead



Identify, Develop, and Demonstrate Innovative Solution Options for ASD R&E Focus Areas

Human Systems

EW & Protection

Autonomy

Resilient Systems

Counter WMD

Cyber



Rapid Fielding Points of Contact

- **Efficiently Develop/Demonstrate Concepts & Capabilities that Provide Competitive Advantage**
 - Shape JCTD, QRSP, FCT, Biometric/Forensics/ECD PEs
 - Points of Contact: Wyatt/Riley (via CAPT Wright – lewin.wright@osd.mil)
- **Ensure Responsive Processes**
 - Resource efforts that support continuous COCOM engagement
 - Points of Contact: Vogt (chris.vogt@osd.mil)/ Fogg (glenn.fogg@osd.mil)
 - Conduct continuous review of acquisition related processes (needs validation, acquisition priorities, resourcing, utility assessments)
 - Points of Contact: Cundiff (dan.cundiff@osd.mil)/ Purdy (ellen.purdy@osd.mil)
- **Conduct Anticipatory Efforts to Positively Impact Operational Readiness**
 - Engage stakeholders to help identify technology trends, potential vulnerabilities and disruptive threats
 - Points of Contact: Fogg (glenn.fogg@osd.mil) / Vogt (chris.vogt@osd.mil)
 - Expand problem/solution space to include interagency, non-kinetic, human social culture, and dual use technologies
 - Points of Contact: Riley/Fogg (glenn.fogg@osd.mil)
- **Make Efficient Use of the Instruments at our Disposal**
 - Employing the use of fieldable prototypes (organically / industrially)
 - Point of Contact: Purdy (ellen.purdy@osd.mil)
 - Providing operationally representative integration venues (JERC, Stiletto, Thunderstorm, etc.);
 - Point of Contact: COL Kelleher (pat.kelleher@osd.mil)
 - Expanding supplier base to include to non-traditional performers
 - Point of Contact: Cundiff (dan.cundiff@osd.mil)



Questions ?



US Marines demonstrate water purification system in Honduras in the Pre-positioned Expeditionary Assistance Kits JCTD



Technology Transition Paths

