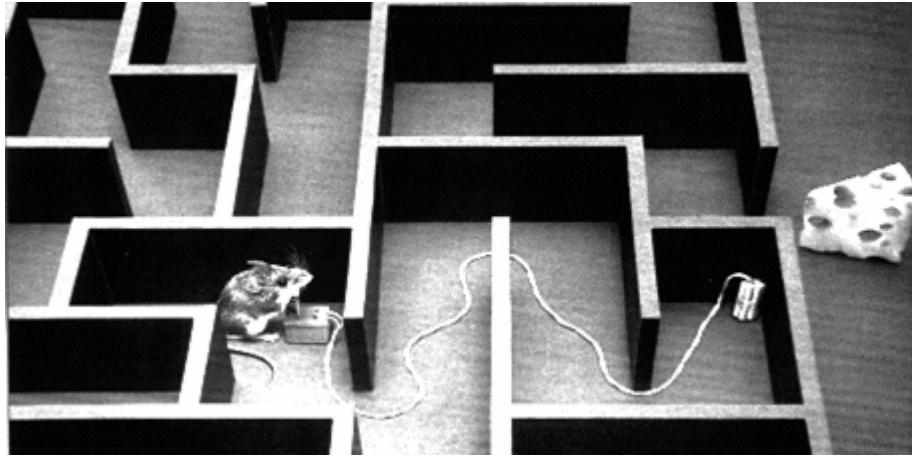




JPEO & Technology Integration



How do I get the Cheese?

PRESENTED TO:
Chemical Biological Individual Protection
Conference
Charleston, SC
March 8, 2006

CURT WILHIDE
Chief, Advanced Technology
JPEO CBD
703.681.1607
Curt.Wilhide@jpeocbd.osd.mil



“A hiatus exists between the inventor who knows what they could invent, if they only knew what was wanted, and the soldiers who knew, or ought to know, what they want and would ask for it if they only knew how much science could do for them. You have never really bridged that gap yet.”

***Winston Churchill
The Great War, Vol. 4***



Vision

Develop and Sustain a Comprehensive, Agile, and Flexible Materiel Development framework that:

- Provides integrated, modular, network-centric material responses to operational capability needs
- Provides Multiple Program, Agency, Vendor Access
- Integrates Major Defense Acquisition Programs and CBD Program execution
- Changes the culture from the bottom up through the emphasis on system of systems approach across commodity lines, experimentation, and operational prototyping
- Discovers, creates, or causes to be created new military capabilities to mitigate CBRN operational risks



Integration Drivers

- **Shape Future Force Agility, Flexibility and Capability**
 - Common Interfaces for System of Systems
 - Modular, Tailorable, and Networked
 - Broad Spectrum Capability for Complex CBRNE Environment
- **Ensure Program Alignment and Relevance**
 - Shape MDAP CBRN Survivability Solutions
 - Technology Transition Agreement
 - Technology Readiness Assessment
- **Define S&T Strategy**
 - Traceability
 - Transformation
 - Manage Risk



Past



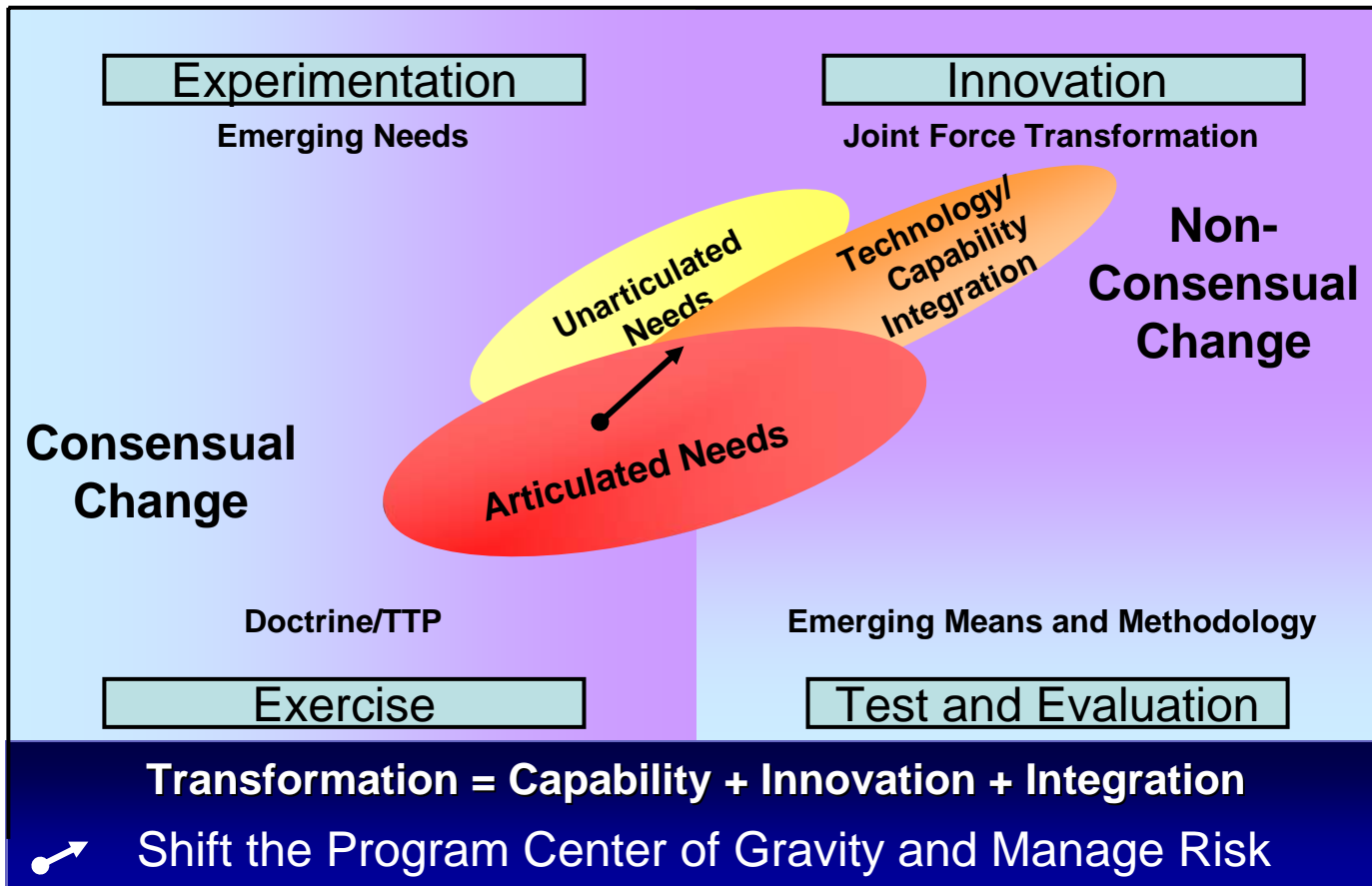
Present

Future

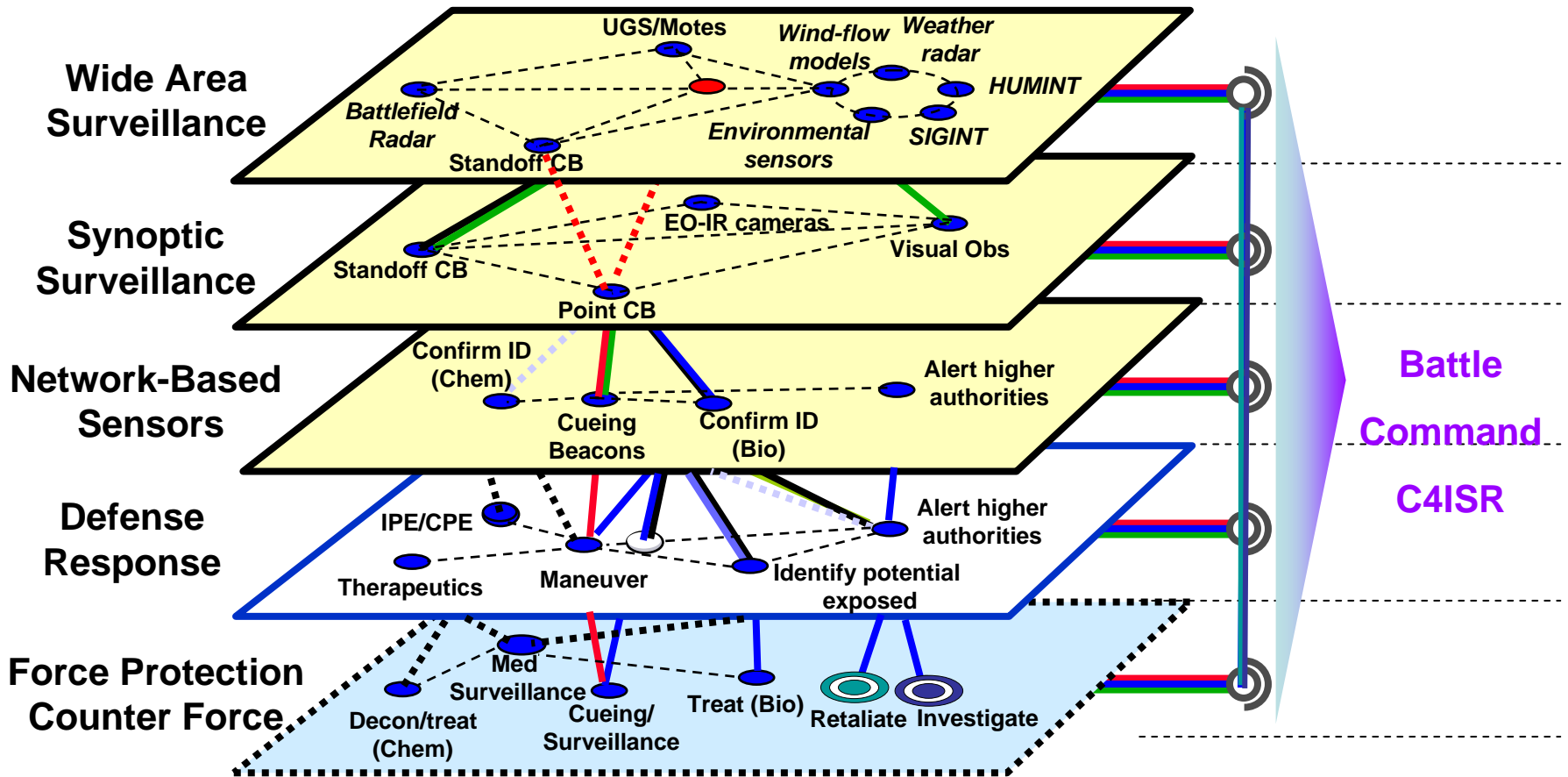




Capability Development Framework To Support Transformation and Manage Risk



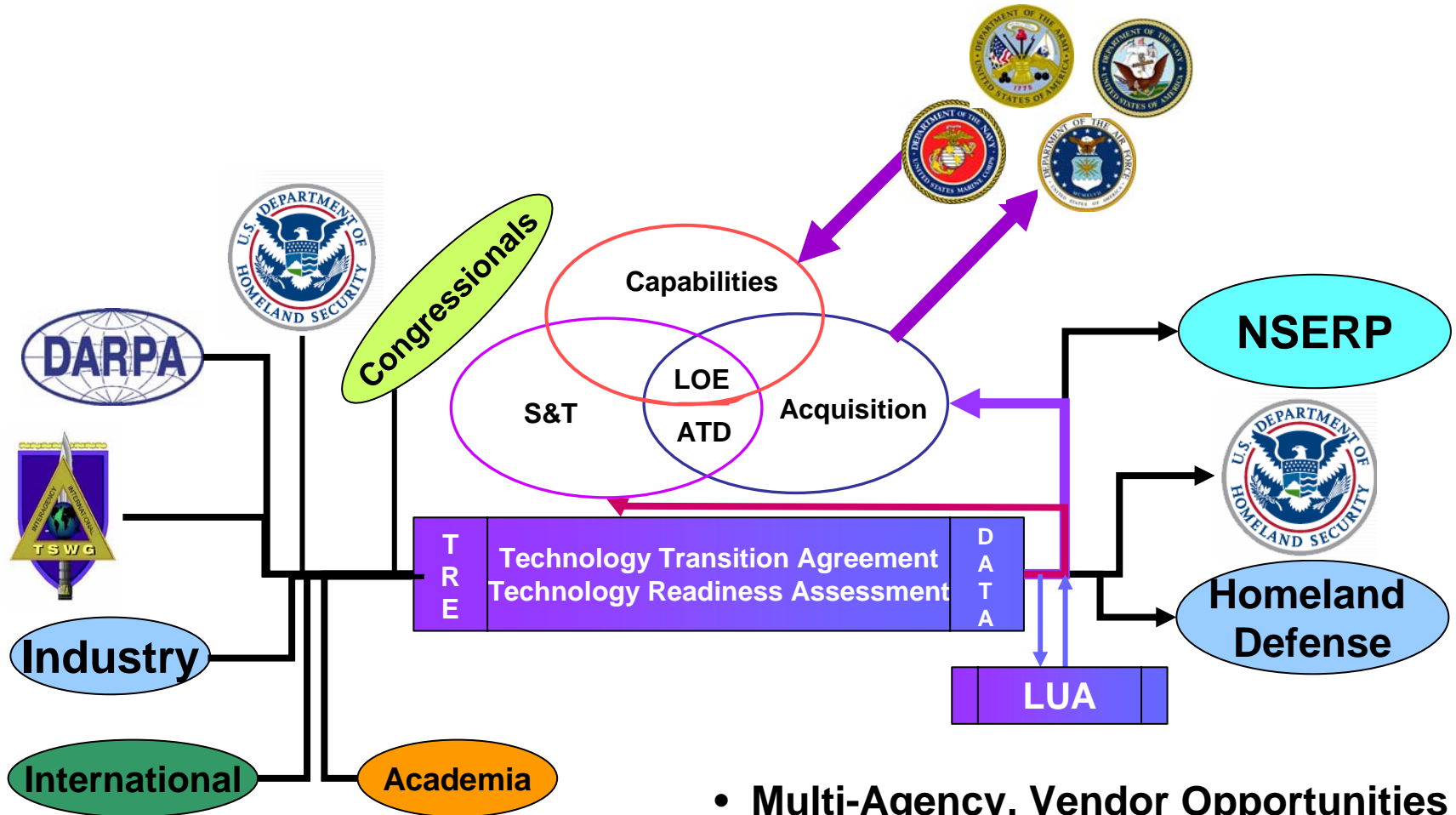
Integrated CBRN Network-Centric Approach



Integrated layered capability provides improved CBR mitigation, greater operational capability potentially easing component requirements



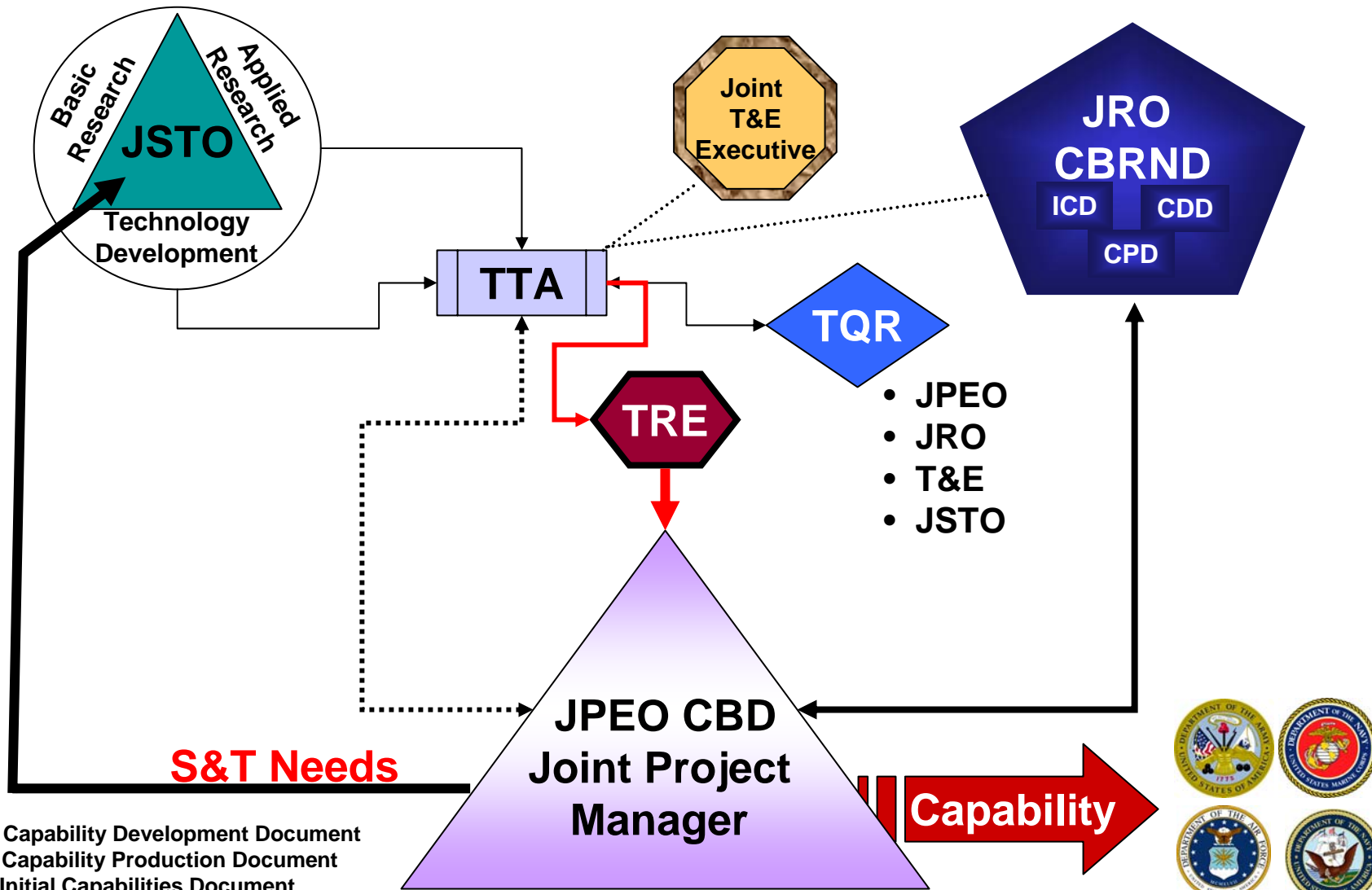
Integrated Transition Process



ATD: Advanced Technology Demonstration
 LOE: Limited Objective Experiment
 LUA: Limited Utility Assessment
 NSERP: Non-Standard Equipment Review Panel
 TRE: Technology Readiness Evaluation

- Multi-Agency, Vendor Opportunities
- Multiple Transition Opportunities
- Technology Readiness Assessment creates an objective playing field

Technology Development and Review





CDD: Capability Development Document
 CPD: Capability Production Document
 ICD: Initial Capabilities Document
 TQR: Transition Quarterly Review
 TRE: Technology Readiness Evaluation
 TTA: Technology Transition Agreement





Technology Transition Agreement

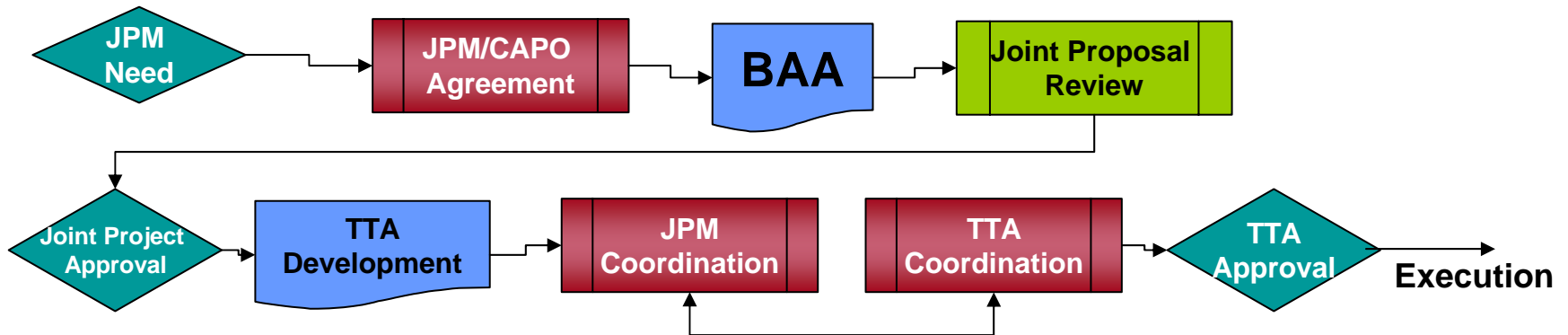
- **Required for 6.3 Programs**
 - Identifies Target Program of Record
 - Concept of Use
 - Traceability
- **Technology Development Strategy**  **Acquisition Strategy**
- **Test and Evaluation Strategy**  **TEMP**
- **Contains Information Necessary to Conduct Technology Readiness Assessment (TRA)**
 - Exit Criteria (to include defined Technology Readiness Levels)
 - Receiver Operator Characteristic (ROC) Curve/ Spider Chart (s)
 - Metrics
 - Attributes
- **Agreement Between the JPM and CAPO with Joint T&E Executive coordination**

TTAs for FY06 6.3 Programs Almost Complete

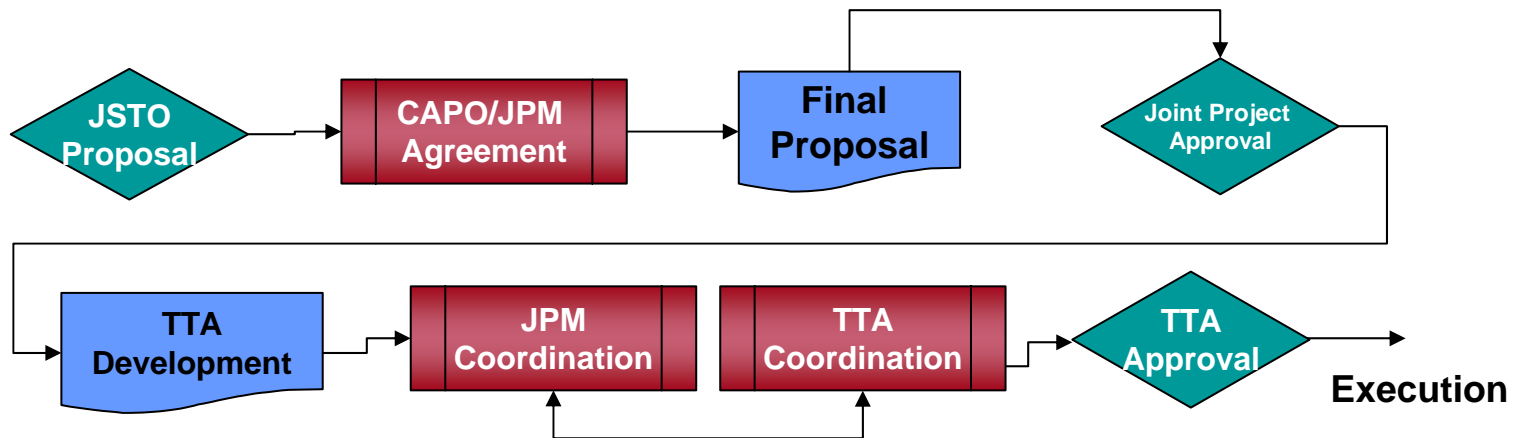


Sources for Capability Development

Requirements/ Capability Pull



Technology Push





What is Next

- **Advanced Planning Briefing for Industry**
 - 10-11 April 2006
 - Acquisition and S&T Joint Presentation
 - Access and Opportunities with Acquisition and S&T Managers
- **Joint Science and Technology Solicitations**
 - BAA: Pending for future work
- **Joint Program Executive Office Web Portal**
 - <http://www.jpeocbd.osd.mil/>

Joint Program Executive Office



Chemical and Biological Defense