



Technology Transfer at USTRANSCOM

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Introduction

- “When the only tool you have is a hammer, all problems begin to resemble nails.”

Abraham Maslow





T2 at USTRANSCOM

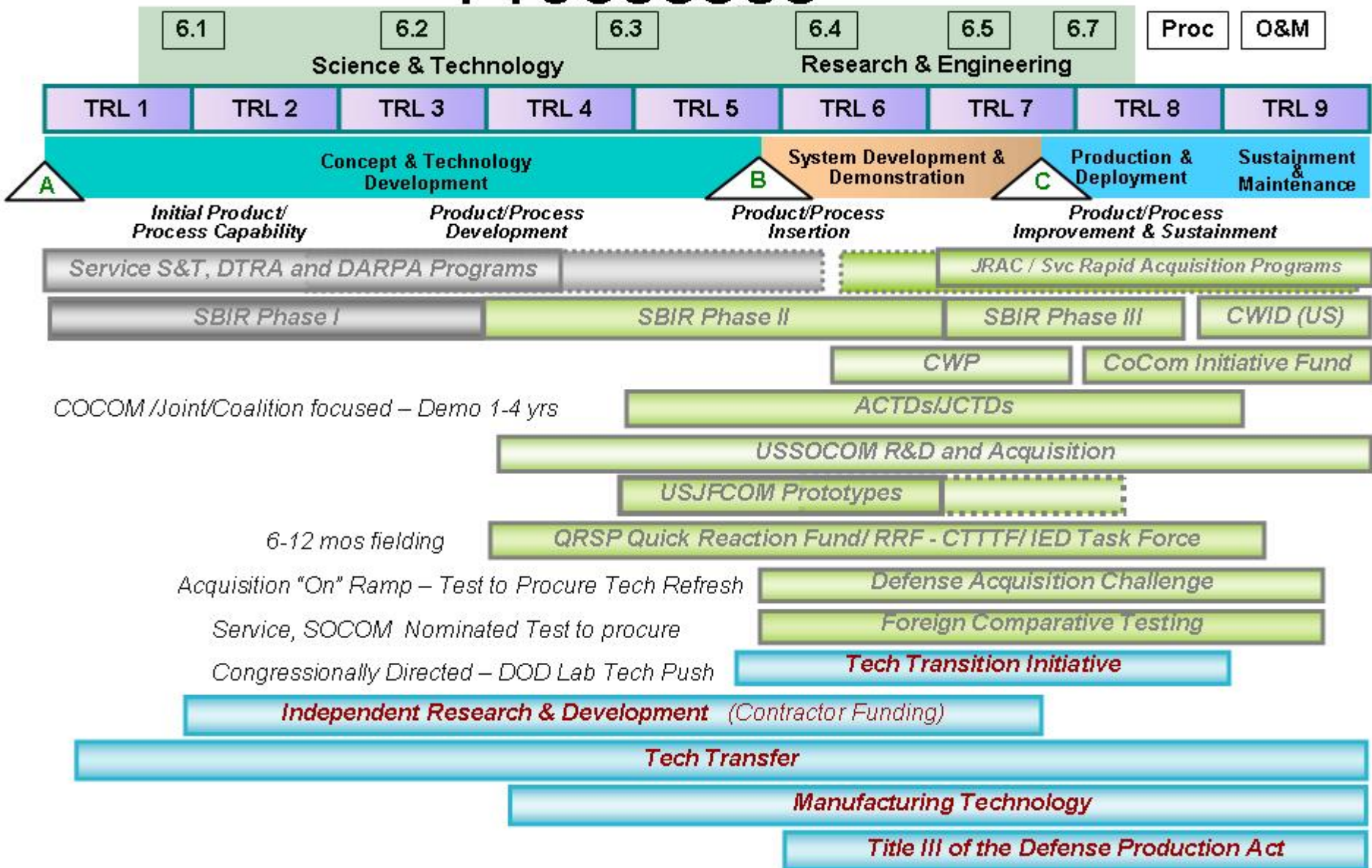
- **USTRANSCOM has the statutory authority to use technology transfer tools**
 - **Authority is statutory**
 - **Given directly to lab directors by Congress**
 - **USTRANSCOM falls within legal definition of “laboratory”**
 - **TCCC informed OSD that USTRANSCOM would begin using technology transfer mechanisms (28 June 2007)**



Our T2 Goals

- Use available resources to:
 - leverage the best technology available from both government and commercial sources;
 - rapidly transition the technology into new weapons and other military systems;
 - refresh the technology, as needed, to maintain the advantages that our warfighters need throughout the life of a system; and
 - protect sensitive leading-edge research and technology against unauthorized or inadvertent loss or disclosure.

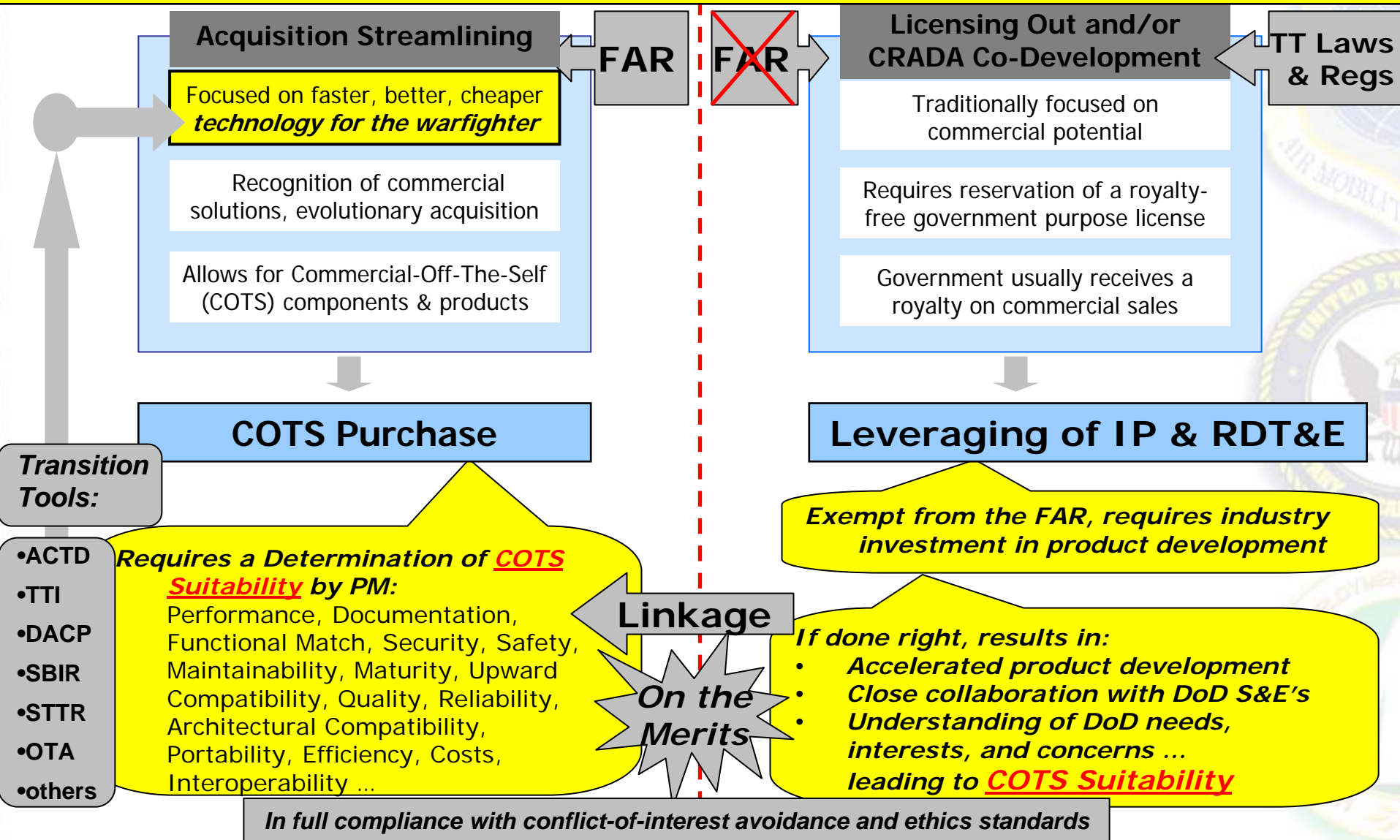
OTT within the Agile Acquisition Processes





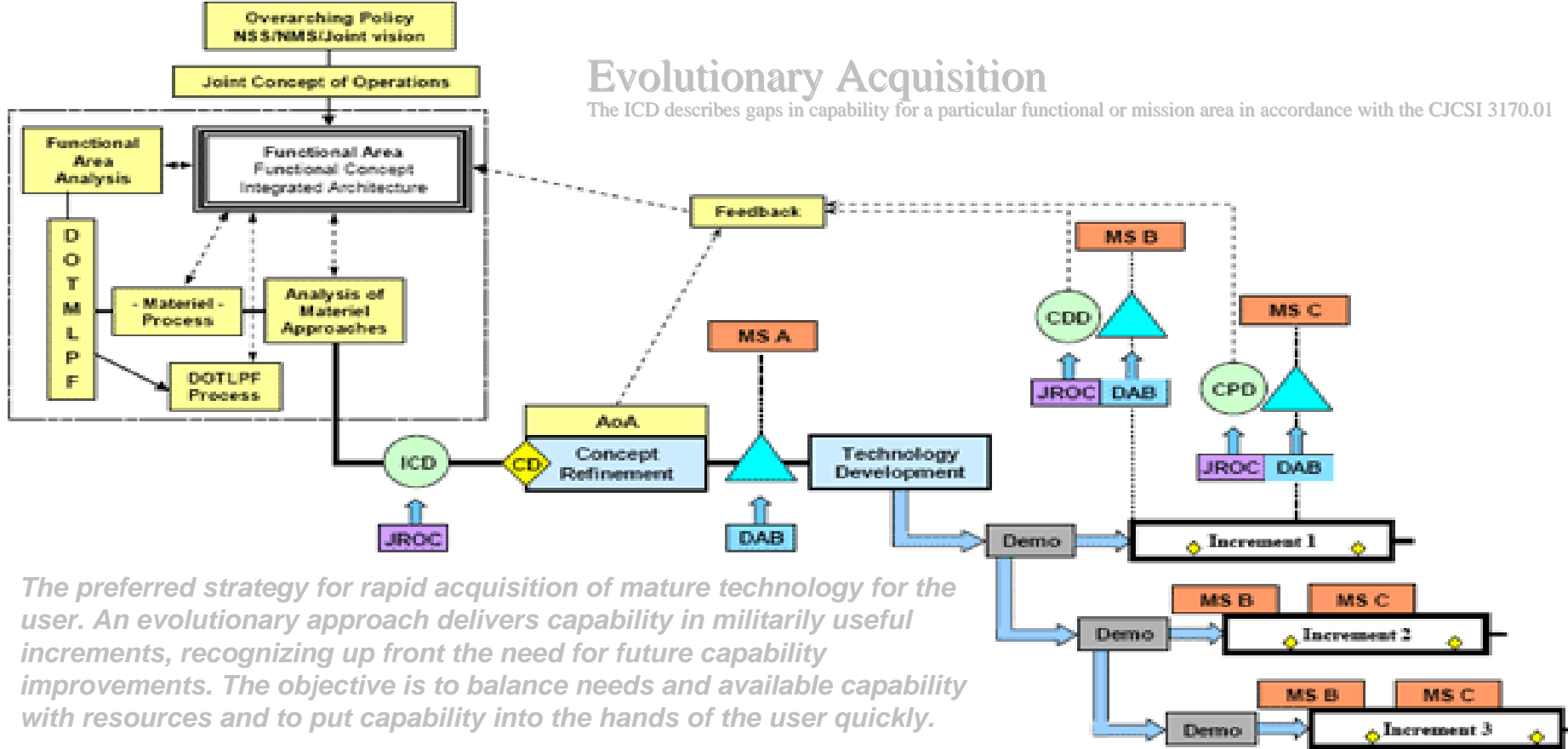
Transition Tools

Linking Technology Transfer with Acquisition Streamlining



Evolutionary Acquisition

The ICD describes gaps in capability for a particular functional or mission area in accordance with the CJCSI 3170.01



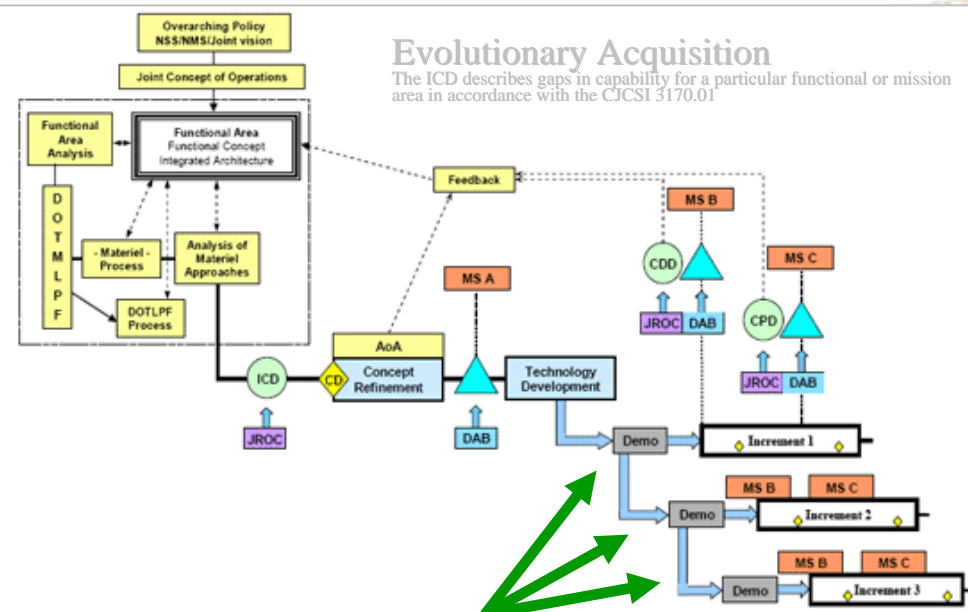
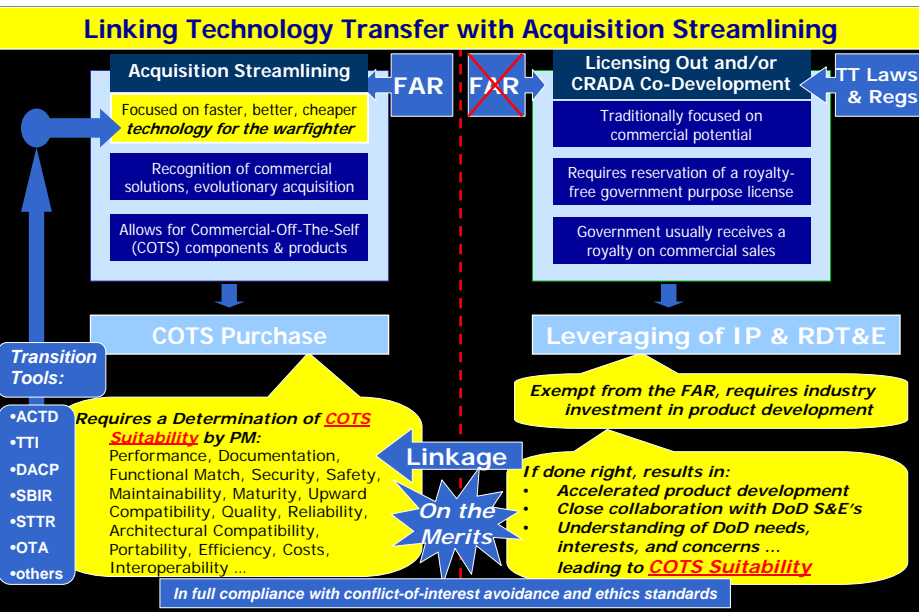
The preferred strategy for rapid acquisition of mature technology for the user. An evolutionary approach delivers capability in militarily useful increments, recognizing up front the need for future capability improvements. The objective is to balance needs and available capability with resources and to put capability into the hands of the user quickly.

Acronym	Definition	Acronym	Definition
AoA	Analysis of Alternatives	IPT	Integrated Product Team
APB	Acquisition Program Baseline	JCIDS	Joint Capabilities Integration and Development System
CAE	Component Acquisition Executive	JOP	Joint Operating Procedure
CARD	Cost Analysis Requirements Description	JROC	Joint Requirements Oversight Council
CDD	Capabilities Development Document	MOA	Memorandum of Agreement
CPD	Capabilities Production Document	MS A (B, C)	Milestone A (B, C)
DAB	Defense Acquisition Board	NSS	National Security Space
DOTMLPF	Doctrine, Organization, Training, Material, leader development, personnel, and facilities	OIPT	Overarching Integrated Product Team
ICD	Initial Capabilities Document	PPBE	Planning, Programming, Budgeting and Execution
		RFP	Request for Proposal



Acquisition Implications

Investigate new capabilities and assist program managers in obtaining technologies to satisfy requirements





USTRANSCOM CRADAs

Lockheed Martin	Orbit One (Numerex) Lockheed Martin	PAR Technology Impeva
Develop, refine and integrate innovative models, concepts, processes and technologies for DOD's end-to-end supply chain [Includes related effort between LM and Army's LIA/TARDEC]	J5/4 and J6 working to bring commercially available satellite tracking technology up to military standards (PSD project)	Ongoing discussions regarding participation in PSD test and evaluation project

Legend

-  Signed; executing
-  Completed
-  Draft CRADA
-  Proposals

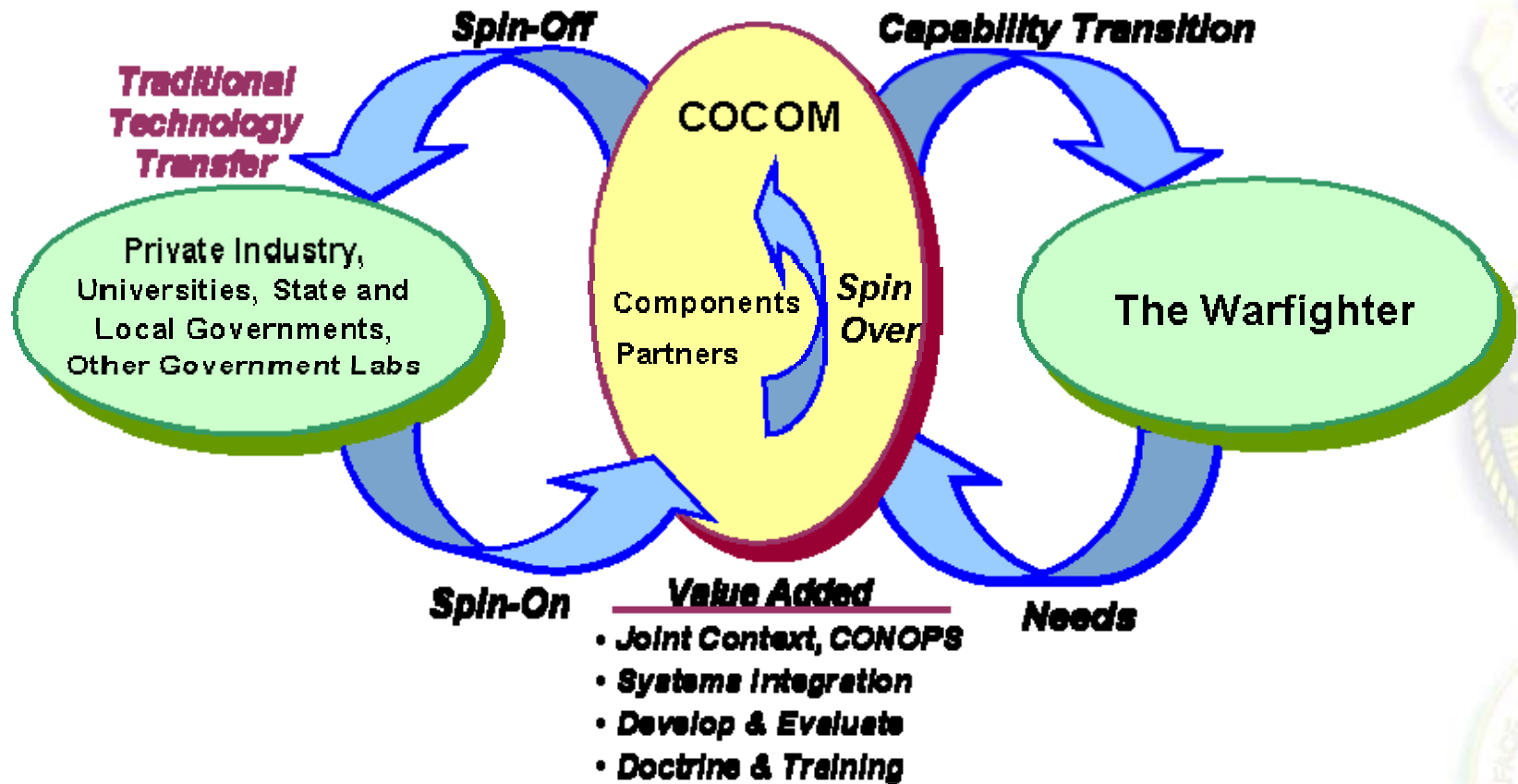


CRADA (continued)

- CRADAs as mission extenders
 - provide a means for industry to **talk and work openly with government**
 - **advance research** to points that would otherwise have taken longer to achieve independently
 - **provide access** to government/military facilities that are not otherwise commercially available
 - result in new, **improved**, or more cost effective **products/processes**
 - advance research for both partners leading to **new programs/contracts**

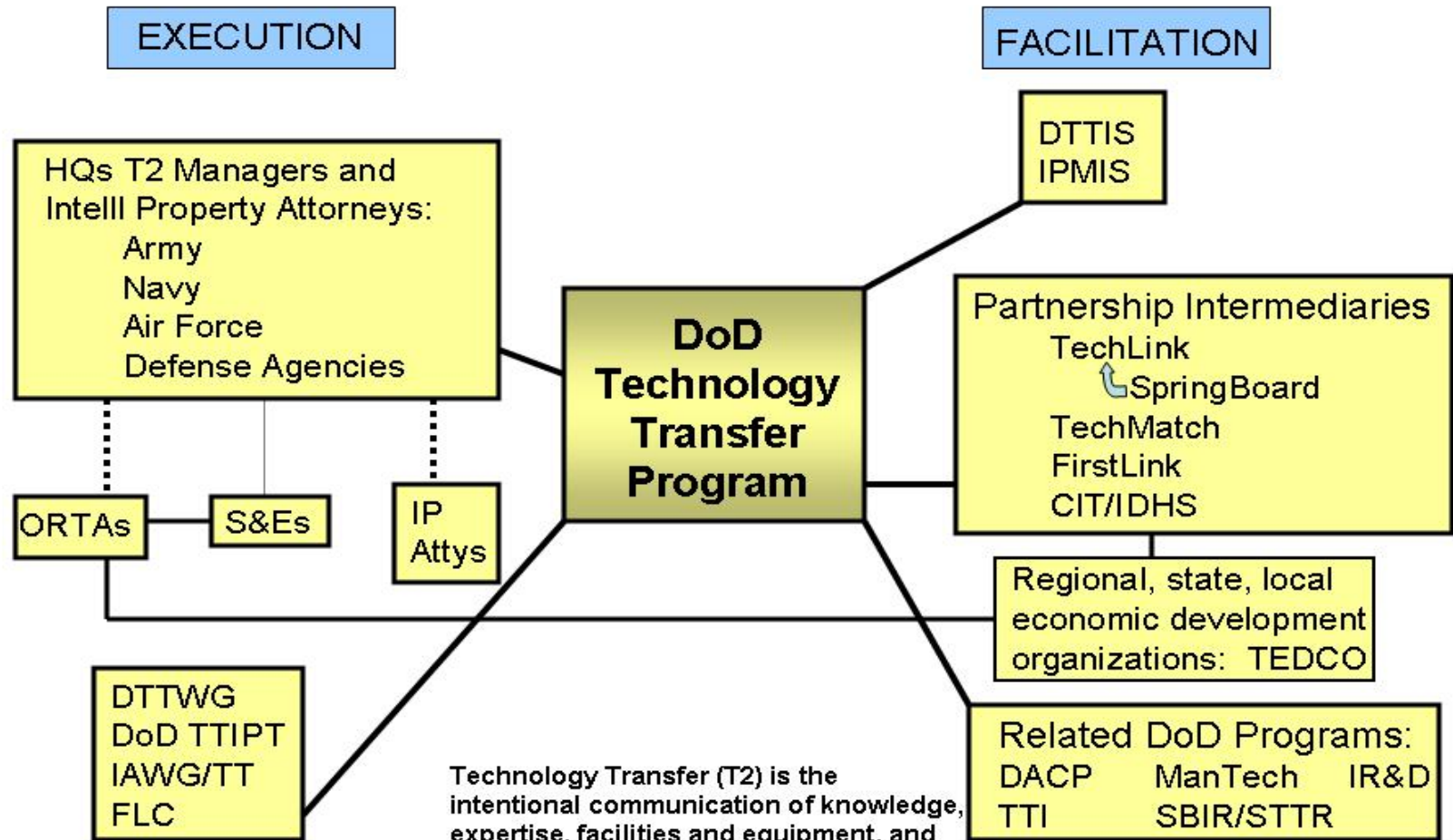


COCOM Technology Transfer





Support System Available to USTRANSCOM



- ORTA = Office of Research & Technology Applications (T2 professionals who assist In-house S&Es in their T2 mission)
- S&Es = Scientists and Engineers



T2 at USTRANSCOM - PSDs

Multiple CRADAs

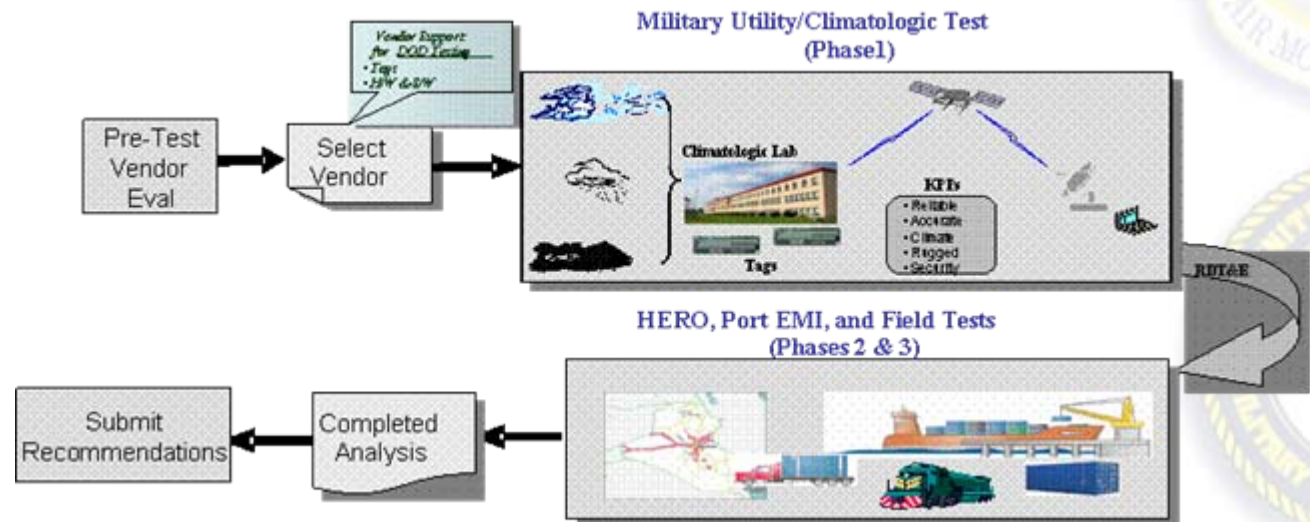
Partners provide satellite tags for testing, offer engineers during testing, and pay for phase I costs

RDT&E

Fund parts of other phases

EPA

Faculty and students provide independent analysis & recommendations





Summary

- Improve our relationships with industry and academia
 - External focus
- Leverage
 - capabilities and experience of others
 - influence the investments of others
- Untapped value
- Benefits: Better, cheaper, faster, lower risk





Questions

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