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April 4-5, 2011

Technology in Demand by Joint Warfighters

4 April 2011

Mr. Kurt Kratz

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Information for the Defense Community 



Technology in Demand by Joint Warfighters

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Technology in Demand by Joint Warfighters

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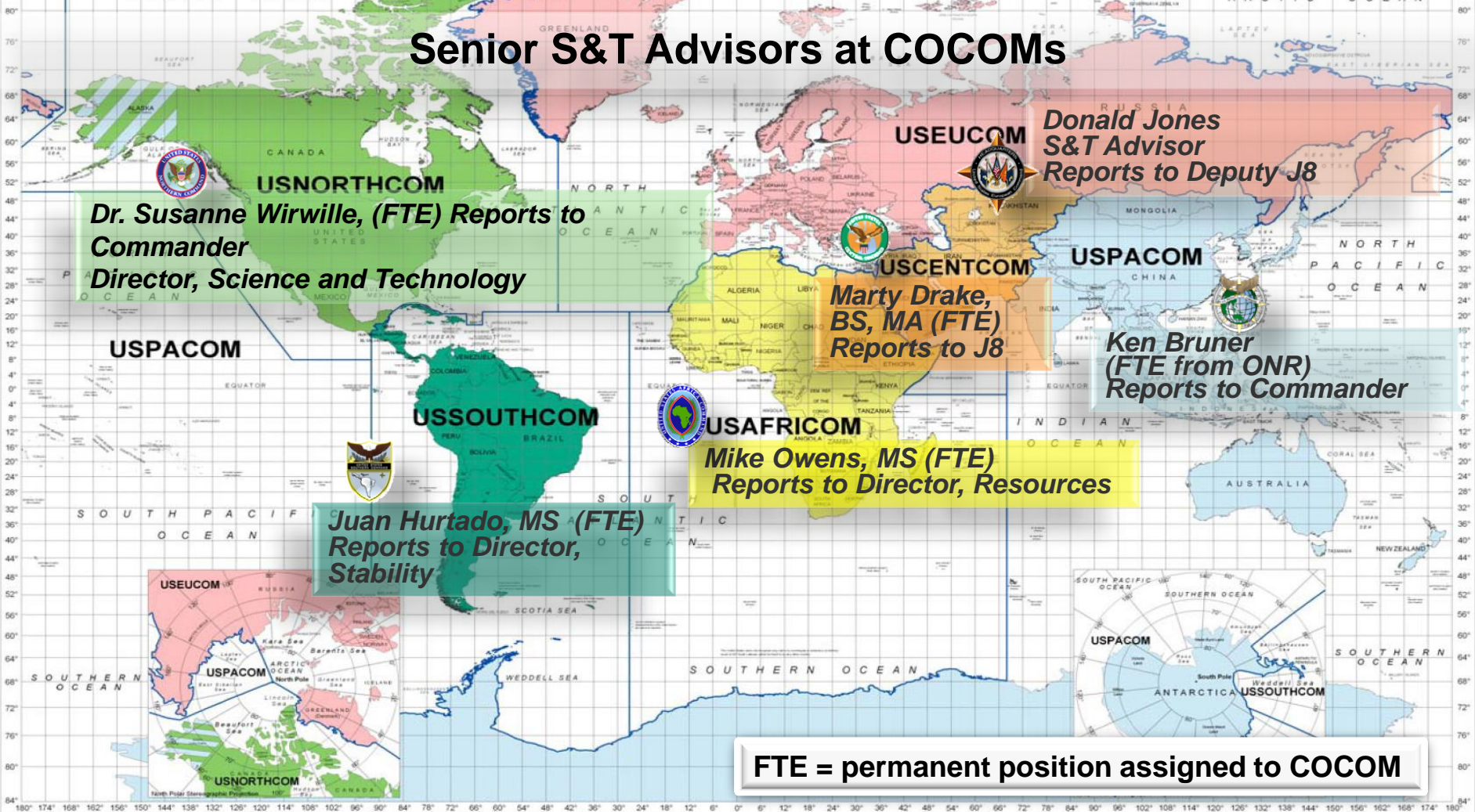
Agenda




- ASD(R&E) S&T Enterprise Processes for Joint Needs Determination
 - Capability Gap Assessment (CGA)
 - Science and Technology Integrated Priority List


- Tools
 - DoDTechipedia
 - TechSpace

Senior S&T Advisors at COCOMs




Functional Commands

 **USSTRATCOM**
None – additional duty Dave Tyner, MS,
Reports to J8

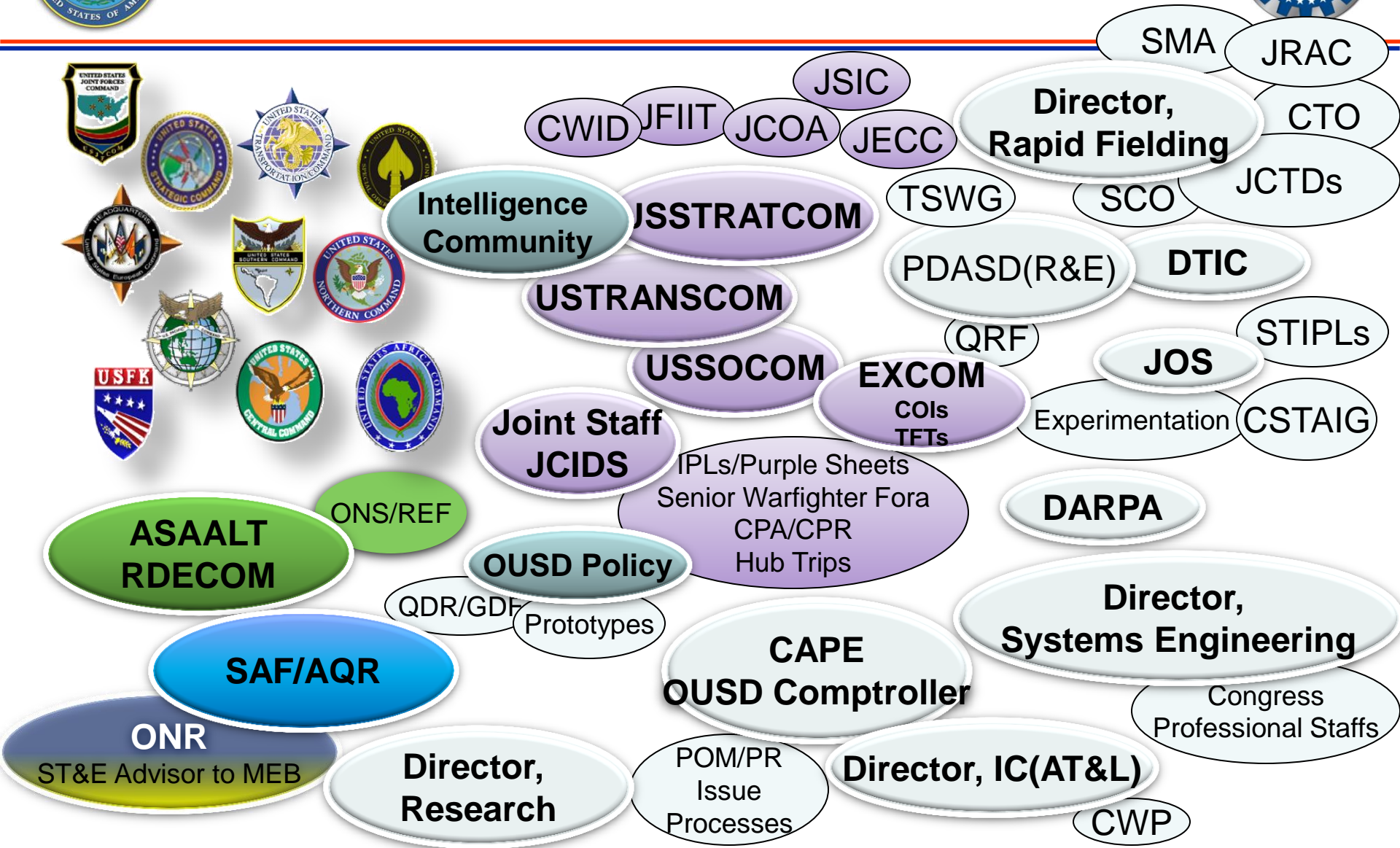
 **USTRANSCOM**
Lou Bernstein (FTE), 2MA's,
Reports to J5/4

 **USSOCOM:**
William Shepherd (IPA), MS – Reports to Commander

 **USJFCOM**
Dan Judy, J02T



Connect the S&T Enterprise





Assistant Secretary of Defense for Research and Engineering Imperatives



- Accelerate delivery of technical capabilities to win the current fight.
- Prepare for an uncertain future.
- Reduce the cost, acquisition time and risk of our major defense acquisition programs.
- Develop world class science, technology, engineering, and mathematics capabilities for the DoD and the Nation.



Mr. Zachary Lemnios



Planning, Programming, Budget & Execution Environment

DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
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\$ Continuing Resolutions?.....

Pres Budget Submission

DSLC DoD Bud Review

HASC

HAC

SASC

SAC

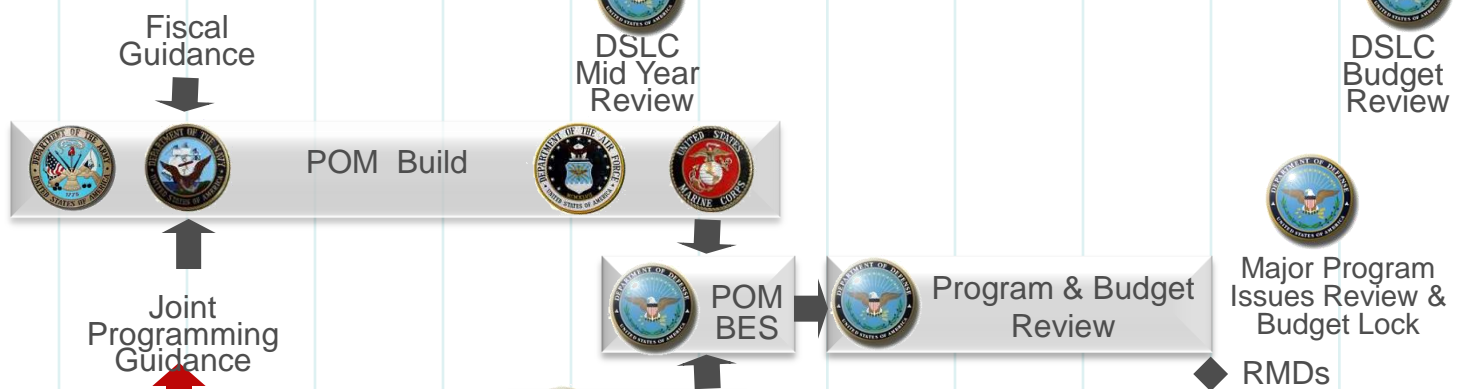
AUTH CONF

APPN CONF

Fiscal Year End / Start

Pres Budget Submission

DSLC Budget Review



STIPL Review

JROC Hub Trip

Purple Sheets

Yellow Sheets

Chairman's Program Recommendations

Budget Build

Issues & Change Proposals

JCB Hub Trip

Chairman's Program Assessment

Capability Gap Assessment

Integrated Priorities List

STIPL Review

Purple Sheets

Yellow Sheets



Intent



- Identify Combatant Command (COCOM) S&T needs
- Connect the S&T enterprise
- Highlight end user needs with matching investment
- Determine areas of needs we are not addressing as an enterprise
- Facilitate answers to COCOM requirements
 - Needs mapped to appropriate resources
 - Identify areas of tech push for immediate impact
- Connect COCOM, the Component, and the Service



STIPL 101



- The S&T Integrated Priority List (STIPL) is a formal S&T needs description that is directly linked to a Combatant Commanders' top priority needs as described in their Integrated Priority Lists (IPLs)
- STIPLs submitted to ASD(R&E) at the same time IPLs are due to the Joint Staff – November 15
- Identifies S&T issues, mitigation strategies, and informs:
 - Joint Staff J8 for JCIDS* fora
 - Appropriate capability portfolio deliberation bodies
 - S&T organizations/R&D solutions providers

*Joint Capabilities Integration and Development System



STIPL Format



COCOM/Priority/Title:

Synopsis of Problem

Tier I/II/III JCAs

Mission Analysis

Source/Guidance Source

Gap Description

Type

Shortfall Description

Guidance Source

Operational Risk Level/Impact if not addressed

Vignette

Scenario Vignette



STIPL Format

Proposed Solutions/mitigation strategy:

Proposed Solution/Mitigation Strategy

Programmatic Action
Policy/Authorities

Current initiatives

Current and Programmed Science & Technology,
Experimentation, Study

Recommendations on additional S&T,

Experimentation or Study efforts that

Areas for Investigation/Development.

may yield solutions to the capability

Science and Technology

Experimentation

shortfall

Policy

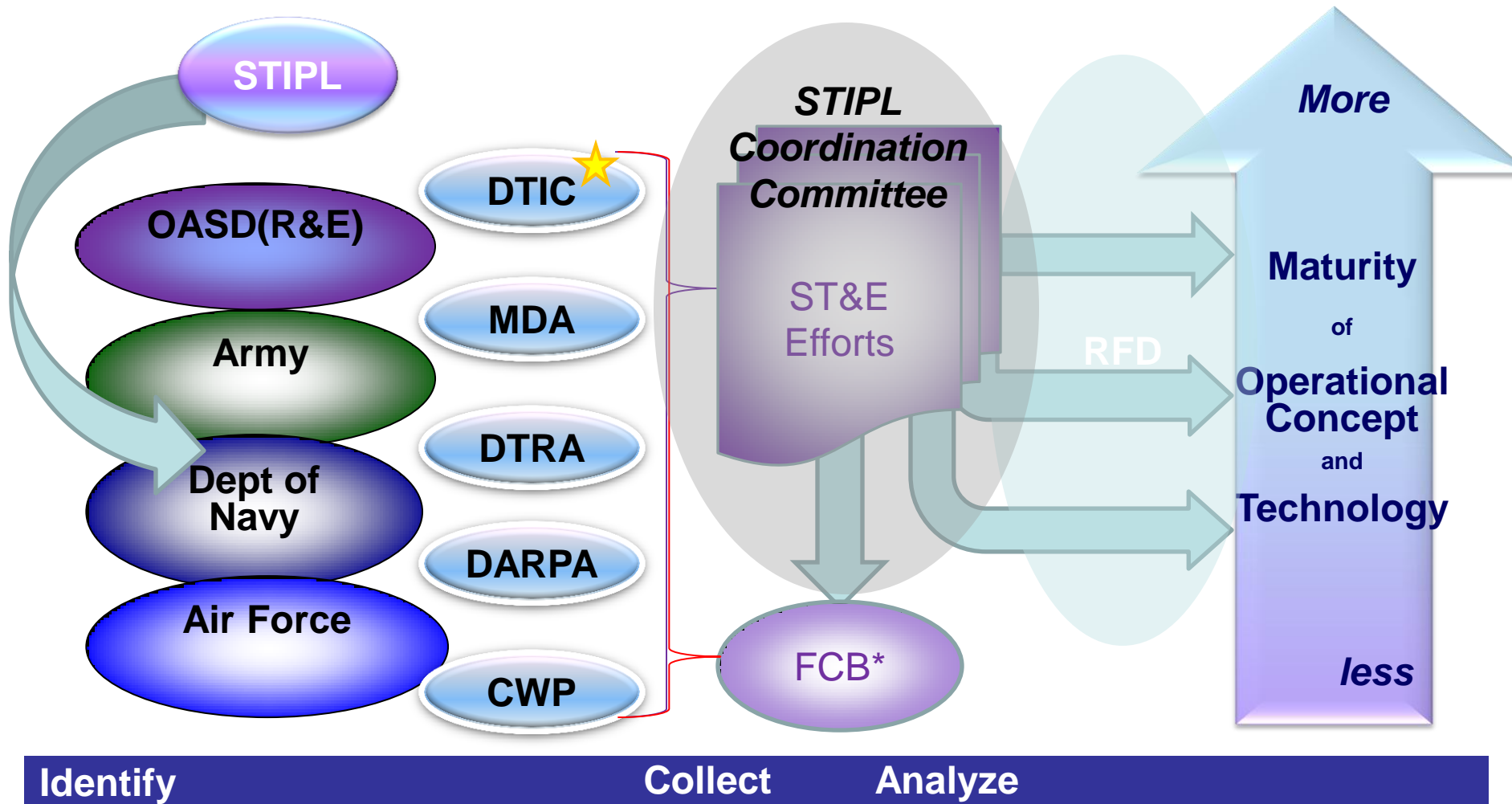
COCOM POC: Name, phone, email

POC:

address



Current Effort: Data Harvesting and Analysis



Identify

Collect

Analyze

*Functional Capabilities Board



Highlight Effective Investment



- Feed tailored inputs to solution providers
- Listing of initiatives as reported from S&T Enterprise

ONR – Mapped S&T proj supporting FNL to STIPLs	JIEDDO
DTIC	COCOMs
Army – ARCIC mapped ATO to STIPLs	CWP
AF – Provided inputs and will validate what DTIC provides	Rapid Fielding
SBIR thru DTRA	Labs
MDA	

- Map like needs to incoming S&T initiatives



Capture the Needs, Advertise, Display, and Engage



CSTC Home - DoDTechpedia - Windows Internet Explorer

https://www.dodtechpedia.mil/dodwiki/display/cocom/CSTC+Home

UNCLASSIFIED ONLY

CSTC Home

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Added by _____ last edited t_____ on Jul 26, 2010 (view change)

TinyLink (useful for email): <https://www.dodtechpedia.mil/dodwiki/x/1QA7AQ>

Article Quality: ★★★★★ (0 ratings)

Labels: [cocom](#) [EDIT](#)

Welcome to the limited-access Combatant Command Science & Technology Community (CSTC). This space, a part of the DoDTechpedia wiki, is intended for S&T collaboration within and among the COCOMs

Community Pages

AFRICOM - U.S. Africa Command
CENTCOM - U.S. Central Command
EUCOM - U.S. European Command
JFCOM - U.S. Joint Forces Command
NORAD - North American Aerospace Defense Command
NORTHCOM - U.S. Northern Command
PACOM - U.S. Pacific Command
SOCOM - U.S. Special Operations Command
SOUTHCOM - U.S. Southern Command
STRATCOM - U.S. Strategic Command
TRANSCOM - U.S. Transportation Command

DDR&E Phone List

ITEMS OF INTEREST!

[Call for S&T Efforts Related to Container Security](#)

[Call for FY11 STIPLs - DDR&E Memo, signed 22 Jul 2](#)

[OUSD\(AT&L\) Involvement in the 2010 Capability Gap](#)

2010 INPUT RELATED EFFORTS (Targets of Opportunity) [Note: For similar topic] 2009 INPUT RELATED EFFORTS (Targets of Opportunity) REFERENCE MATERIALS

STIPL - Related Efforts

Article | Attachments (105) | History

Added by _____ on Jul 23, 2010 (view change)

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Labels: [stipl](#)

CSTC Community Pages

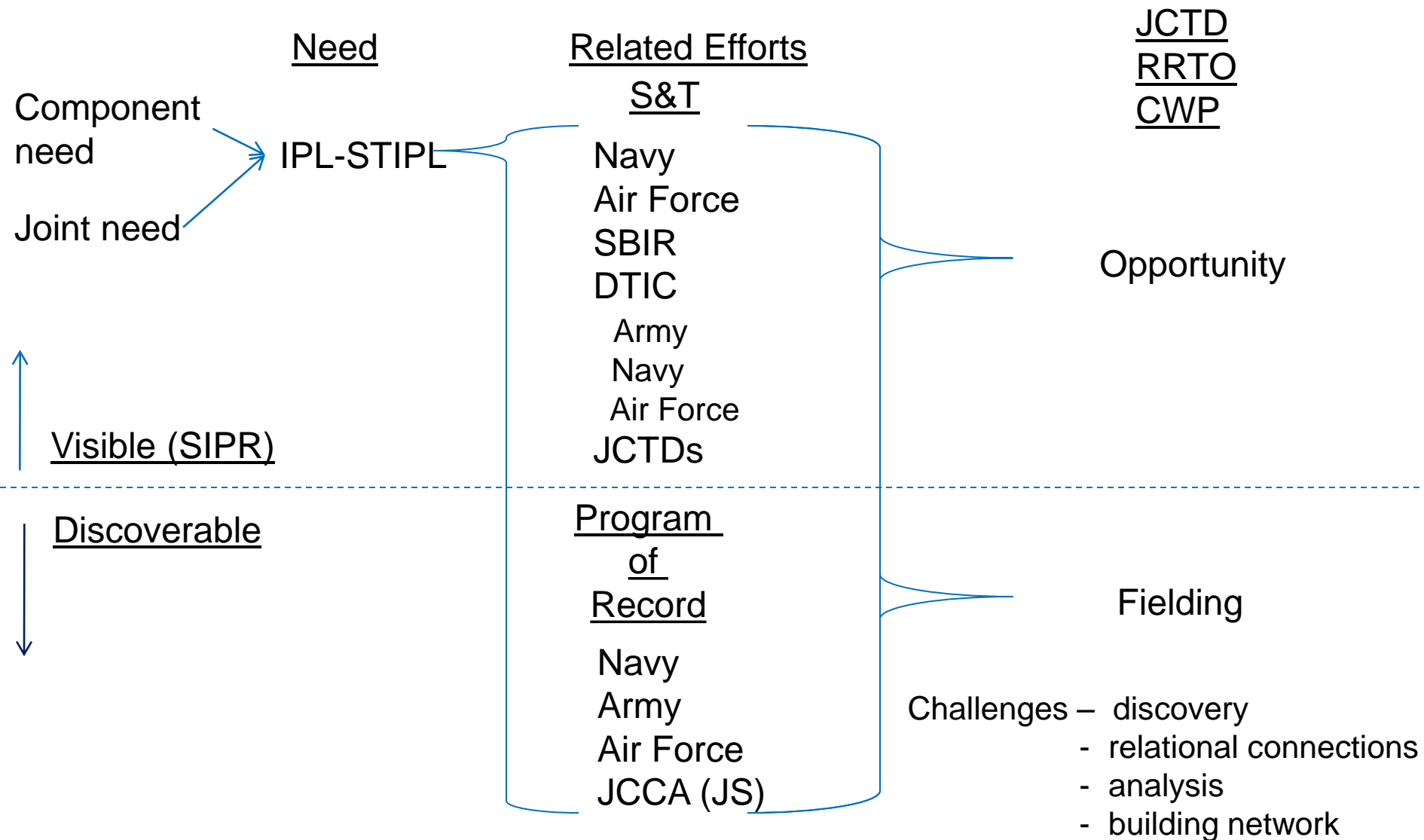
[COCOM S&T Home](#) | [\[Mission\]](#) | [\[About Us\]](#) | [Acronyms](#) | [S&T Advisors](#) | [2010 STIPLs](#) | [STIPLs](#) | [\[STIPL - Related Efforts\]](#) | [STIPL Coordination Group](#) | [PIMs](#) | [Conferences](#) | [COCOM Science & Technology Advisory Integration Group](#) | [Defense Science & Technology Advisory Group \(DSTAG\)](#) | [DSTAG Agendas and Briefs](#) | [OIPT Agendas and Briefs](#) | [Technology Focus Team](#) | [Information Analysis Centers](#) | [IAC Support to COCOMs](#) | [Library](#) | [DCO](#)

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COCOM S&T Community
 NIPR: <https://www.dodtechpedia.mil/dodwiki/display/cocom/CSTC+Home>
 SIPR: <https://www.dodtechpedia.smil.mil/dodwiki/display/cocom/cstc+home>

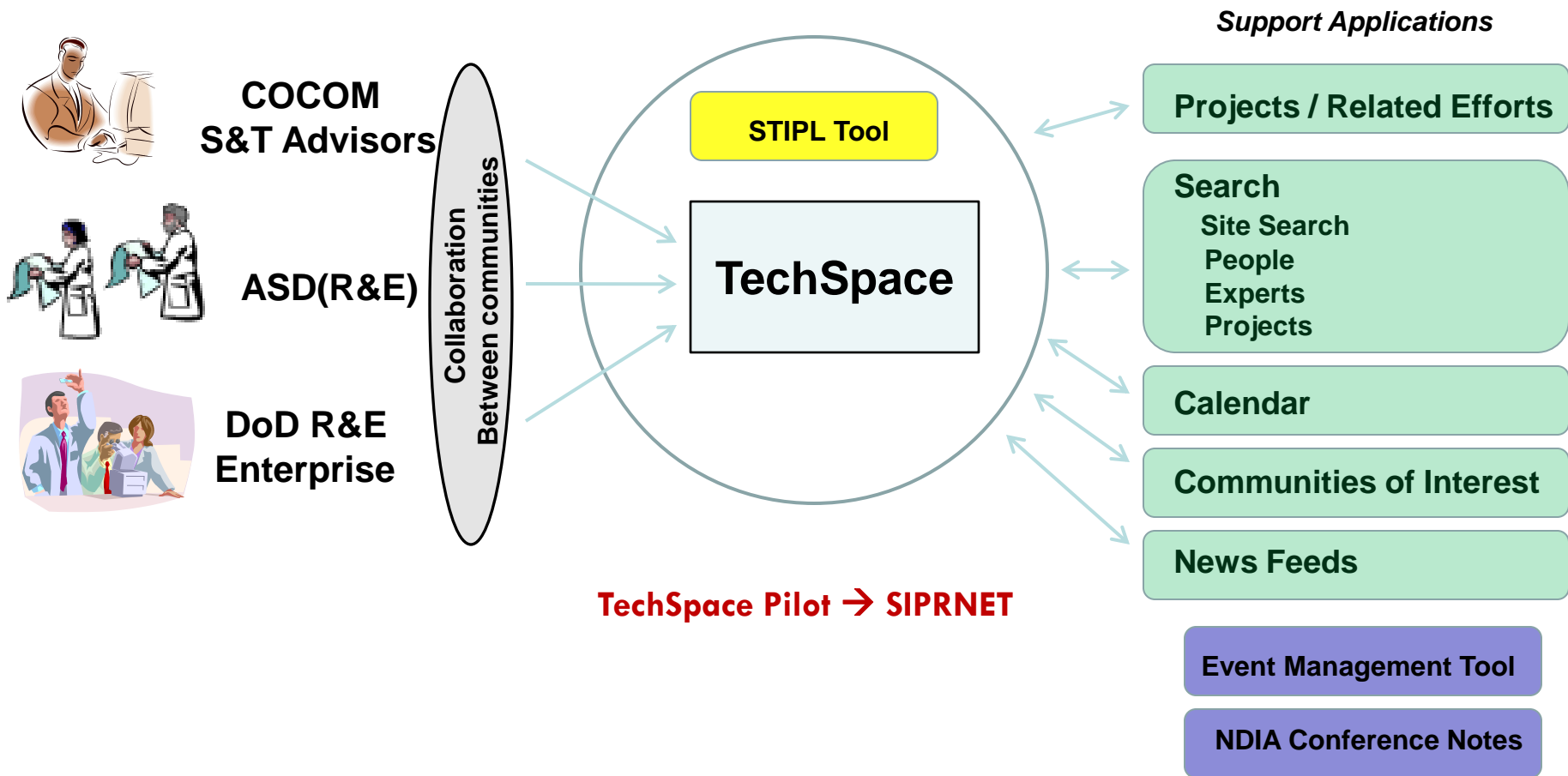


Challenges





DoDTechipedia Suite S&T Information Cloud



“Challenge: Provide time saving, actionable information”



TechSpace

The screenshot shows the TechSpace website interface. At the top, there is a navigation bar with 'Wiki' and 'Search Tech Reports' links. Below this is a search bar and a 'Site Search' dropdown menu. The main content area is divided into several sections: 'All Content' (customize, Your View), 'Manage Announcements', 'Places' (Spaces, Projects, Groups, Search), 'Quick Links' (Welcome, What's Next, Community Action Center, DCO), 'Recent Content' (Armor Vehicle Maintenance - Updated Guidance, STIPL - Related Efforts), 'DoD News' (President Proclaims November as Military Family Month, Bomb Plot Shows Serious Threat, Spokesman Says Army Reserve Chief Presses for Better Career Management, General Provides Yellow Ribbon Program Perspective, Yellow Ribbon Event Helps Reservists, Families), 'More Feeds', 'Unanswered Questions' (Is anyone familiar with GPS batteries that last 7 days?), and 'Community Calendar'. A large diagonal watermark reads 'Unclassified for training purposes'. At the bottom, there is a footer with 'Jive SBS Home', 'Top of page', and 'Jive SBS powered by Jive SBS'.

DoDTechipedia Wiki

Search Tech Reports

Quick Links to Assist Users

Most Recent Activity Site Wide

Unanswered Questions Site Wide

Site Search Can be qualified thru drop-down list

DoD News Feed

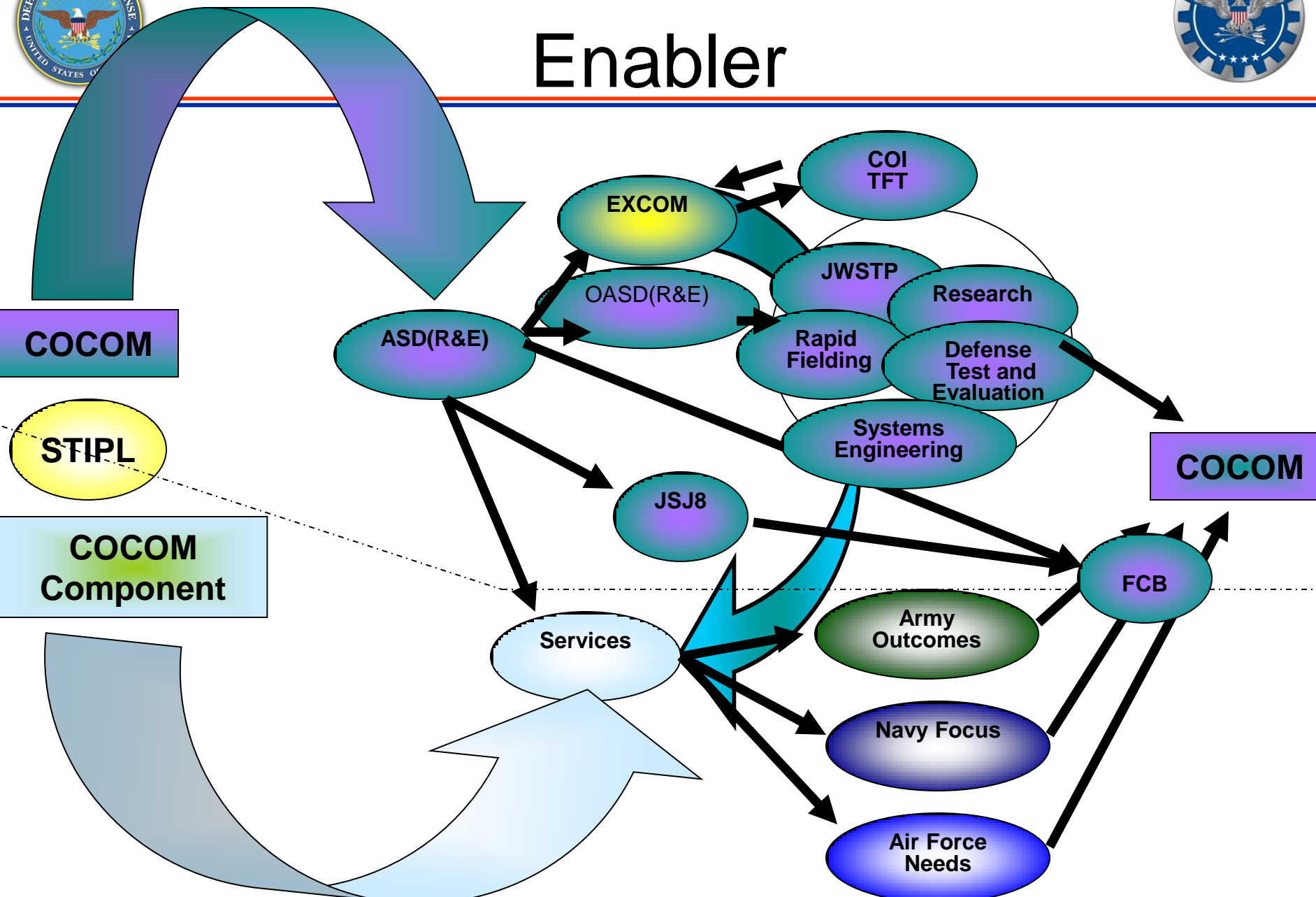
More News Feeds

Community Calendar

Request to join - kurt.kratz@osd.mil



Enabler





Technology in Demand by Joint Warfighters

Questions?



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