Technology in Demand by Joint Warfighters

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Mr. Kurt Kratz

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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

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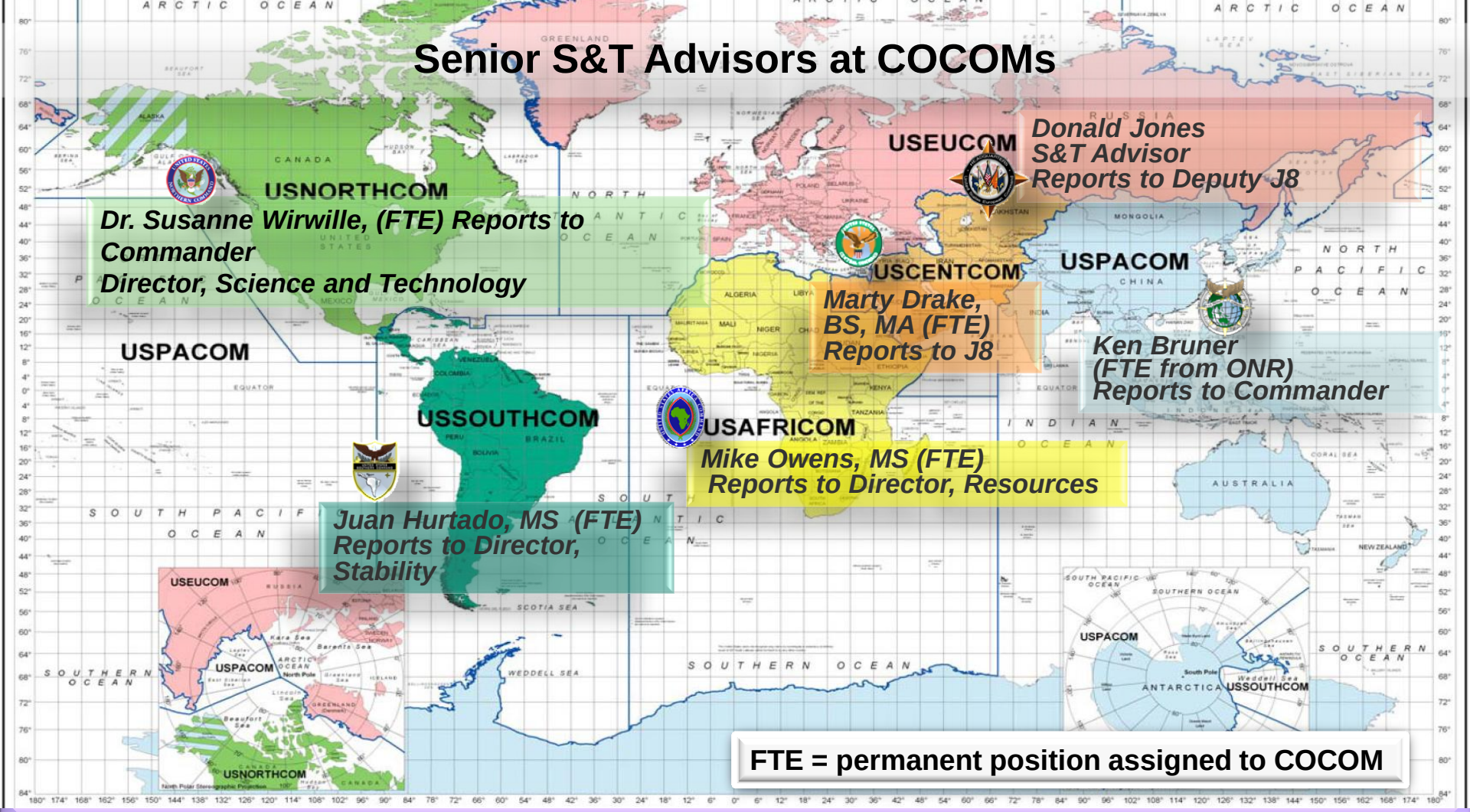
Senior S&T Advisors at COCOMs



Functional Commands

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

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

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

USJFCOM
Dan Judy, J02T

Connect the S&T Enterprise

SMA
JRAC
JSIC
CWID
JFIIT
JCOA
JECC
Director, Rapid Fielding
CTO
JCTDs
SCO
TSWG
Intelligence Community
USSTRATCOM
PDASD(R&E)
DTIC
USTRANSCOM
QRF
STIPLs
USSOCOM
JOS
EXCOM
COIs
TFTs
Experimentation
CSTAIG
Joint Staff JCIDS
IPLs/Purple Sheets
Senior Warfighter Fora
CPA/CPR
Hub Trips
DARPA
ONS/REF
ASAALT RDECOM
OUSD Policy
QDR/GDF
Prototypes
Director, Systems Engineering
SAF/AQR
CAPE
OUSD Comptroller
Congress
Professional Staffs
ONR
ST&E Advisor to MEB
Director, Research
POM/PR
Issue
Processes
Director, IC(AT&L)
CWP

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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

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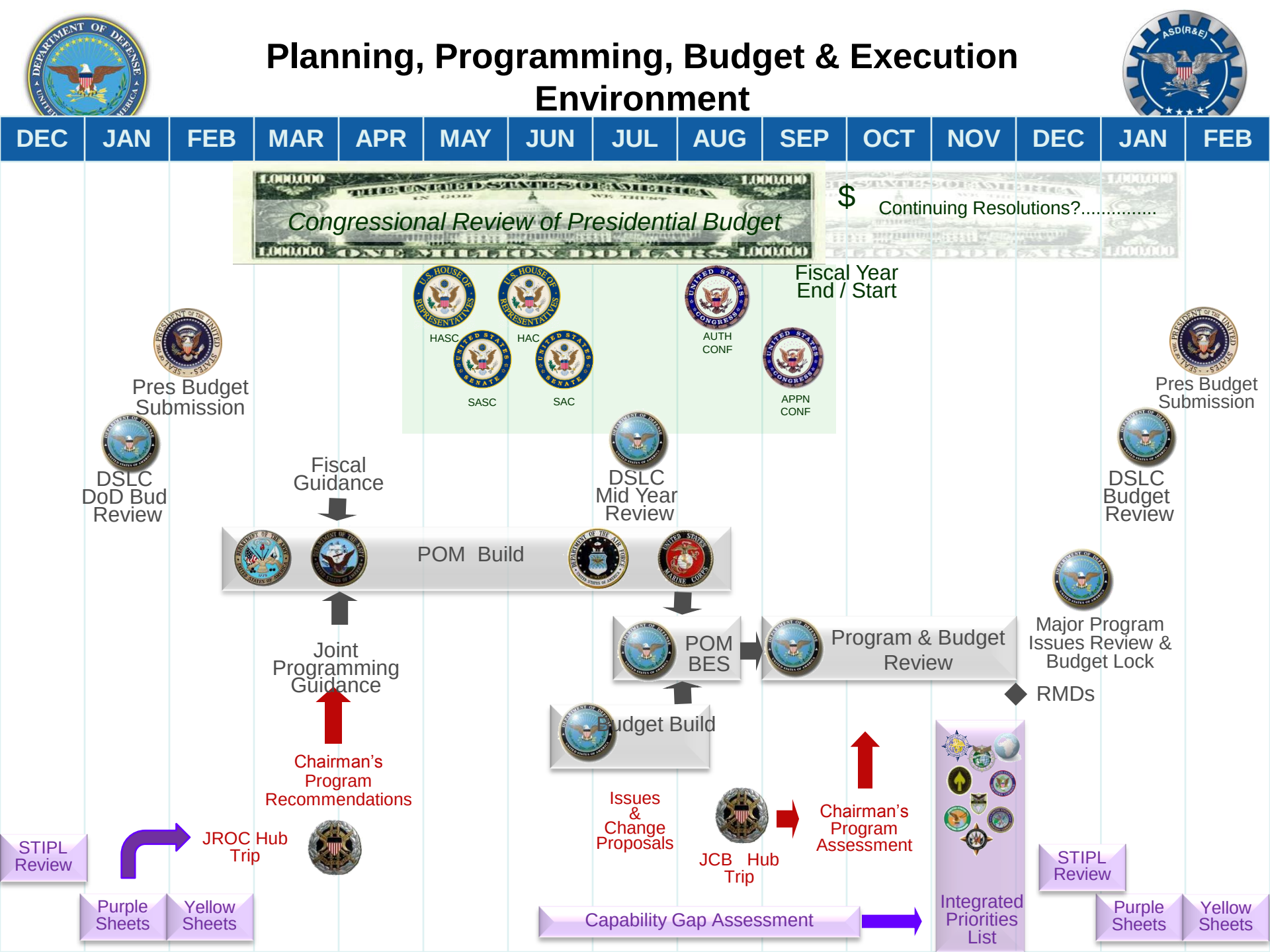
Planning, Programming, Budget & Execution Environment



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

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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

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STIPL Format

COCOM/Priority/Title:

Tier I/II/III JCAs

Synopsis of Problem

Gap Description

Type

Mission Area(s)

Guidance Source

Operational Risk Level/Impact if not addressed

Scenario Vignette

Synopsis of Problem

Mission Analysis

Source/Guidance Source

Shortfall Description

Vignette

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STIPL Format

Proposed Solutions/mitigation strategy:
Programmatic Action
Policy/Authorities
Current and Programmed Science & Technology, Experimentation, Study
Areas for Investigation/Development:
Science and Technology
Experimentation
Policy

Proposed Solution/Mitigation Strategy

Current initiatives

Recommendations on additional S&T, Experimentation or Study efforts that may yield solutions to the capability shortfall

COCOM POC: Name, phone, email address

POC:

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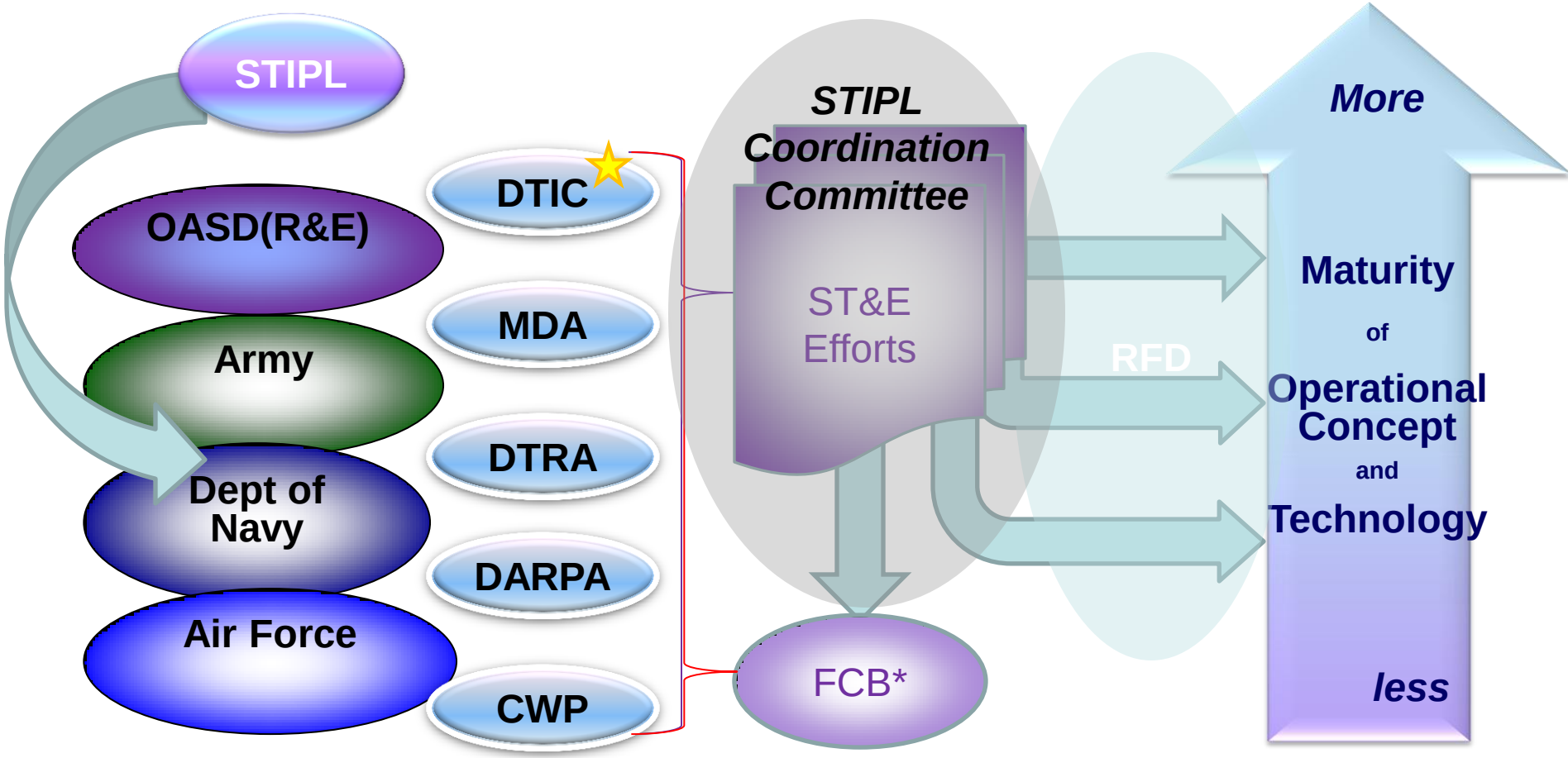
Current Effort: Data Harvesting and Analysis



*Functional Capabilities Board

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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

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Capture the Needs, Advertise, Display, and Engage

COCOM S&T Community

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

SIPR: https://www.dodtechipedia.smil.mil/dodwiki/display/cocom/cstc+home

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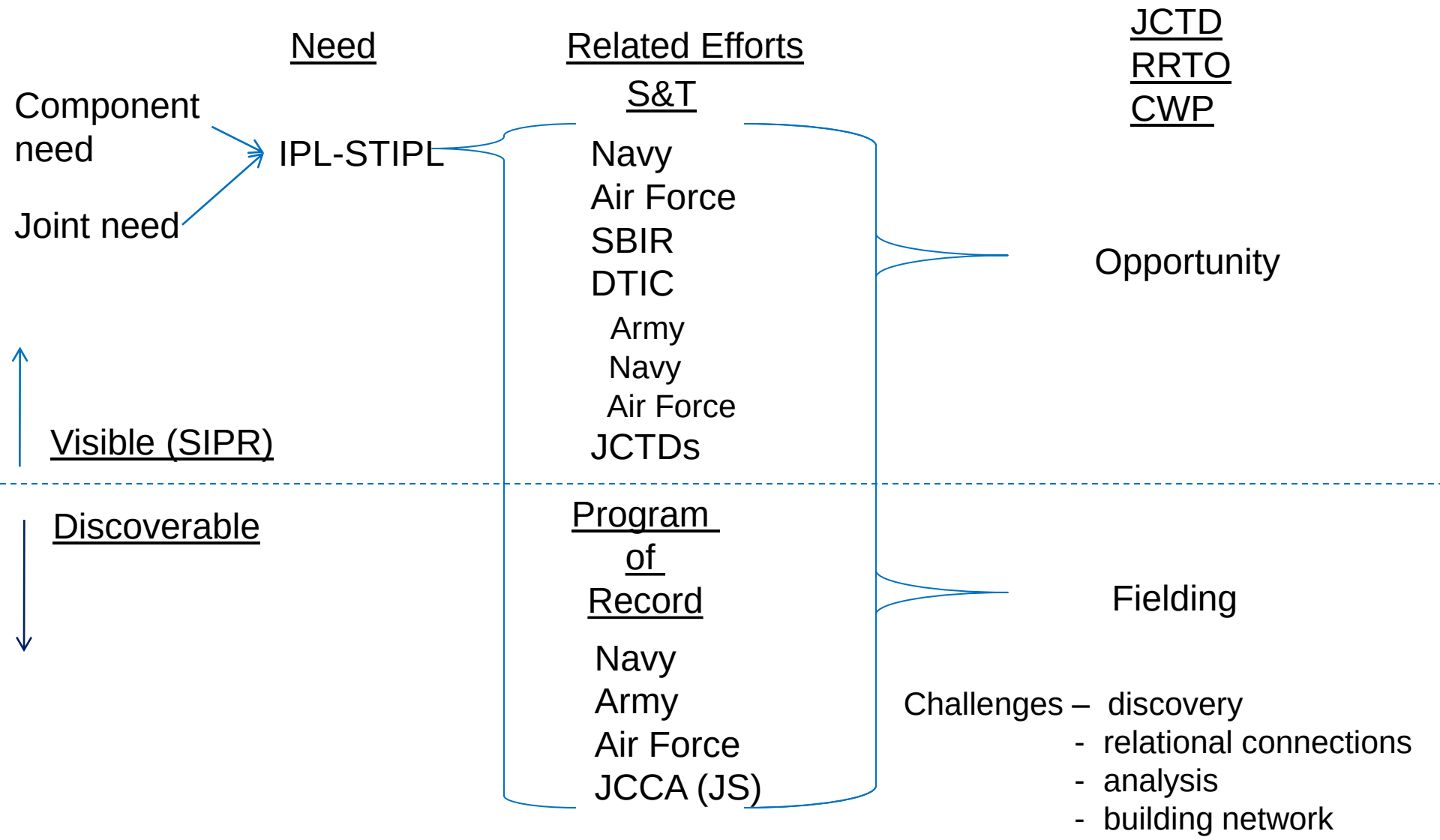
Challenges



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DoDTechipedia Suite
S&T Information Cloud

COCOM
S&T Advisors

ASD(R&E)

DoD R&E
Enterprise

Collaboration
Between communities

STIPL Tool

TechSpace

Support Applications

- Projects / Related Efforts
- Search
  - Site Search
  - People
  - Experts
  - Projects
- Calendar
- Communities of Interest
- News Feeds

TechSpace Pilot → SIPRNET

- Event Management Tool
- NDIA Conference Notes

"Challenge: Provide time saving, actionable information"

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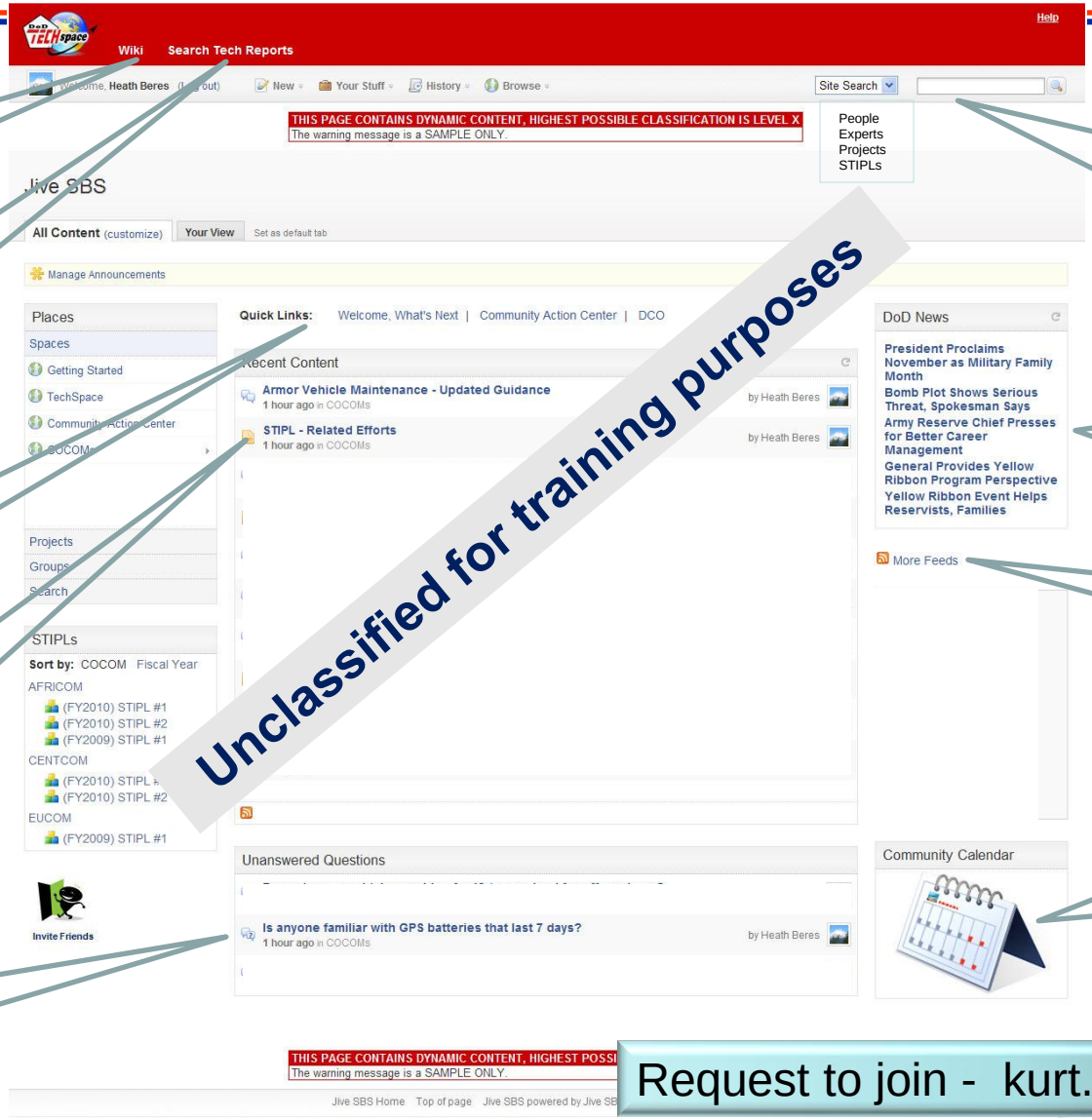
TechSpace



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

Unclassified for training purposes

Request to join - kurt.kratz@osd.mil

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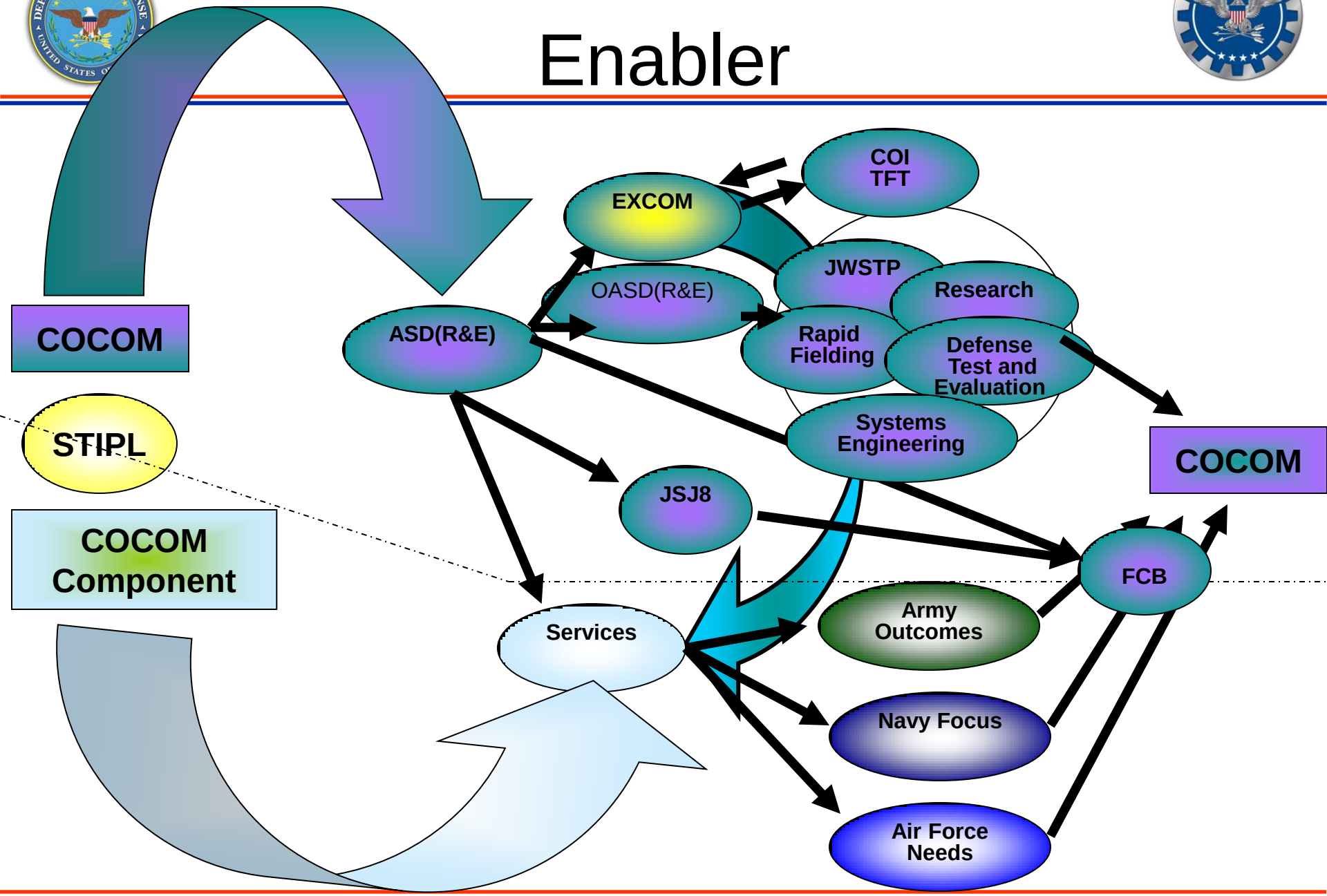
Enabler



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Questions?

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Contact Information

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