

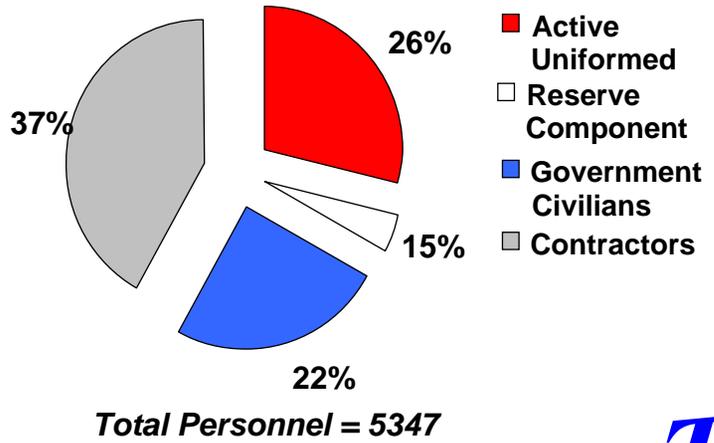


# **Infusing Technology to Support the Missions of US Joint Forces Command**

**Dr. Russell Richards  
Manager, Office of Research and Technology Applications  
May 2007**

# Who is USJFCOM?

## HQs USJFCOM Personnel

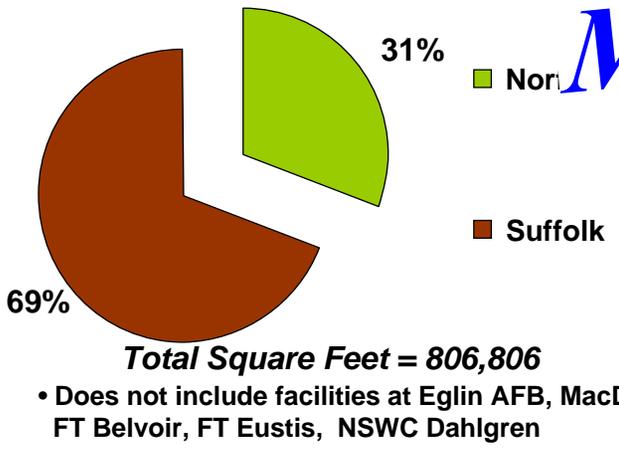


## Key Functions

- ✓ **Joint Innovation & Experimentation Leader**
  - Lead for joint concept development and experimentation
- ✓ **Joint Capability Developer**
  - Joint force integrator for Joint DOTMLP-F capabilities to meet operational requirements
- ✓ **Joint Force Training**

*Transformation of the Military is a Key Mission*

## USJFCOM Facilities



- Provide operational and intelligence support in response to COCOMs
- ✓ **Joint Command & Control (JC2) Capability Portfolio Manager**
  - Provide enterprise wide management to improve interoperability, minimize redundancies and gaps, and maximize effectiveness for JC2

**Advocate for the Joint Warfighter**

# A Dedicated Organization

General Lance Smith, USAF. Dual Hatted. Also NATO Supreme Allied Commander Transformation

JFCOM Commander  
★★★★

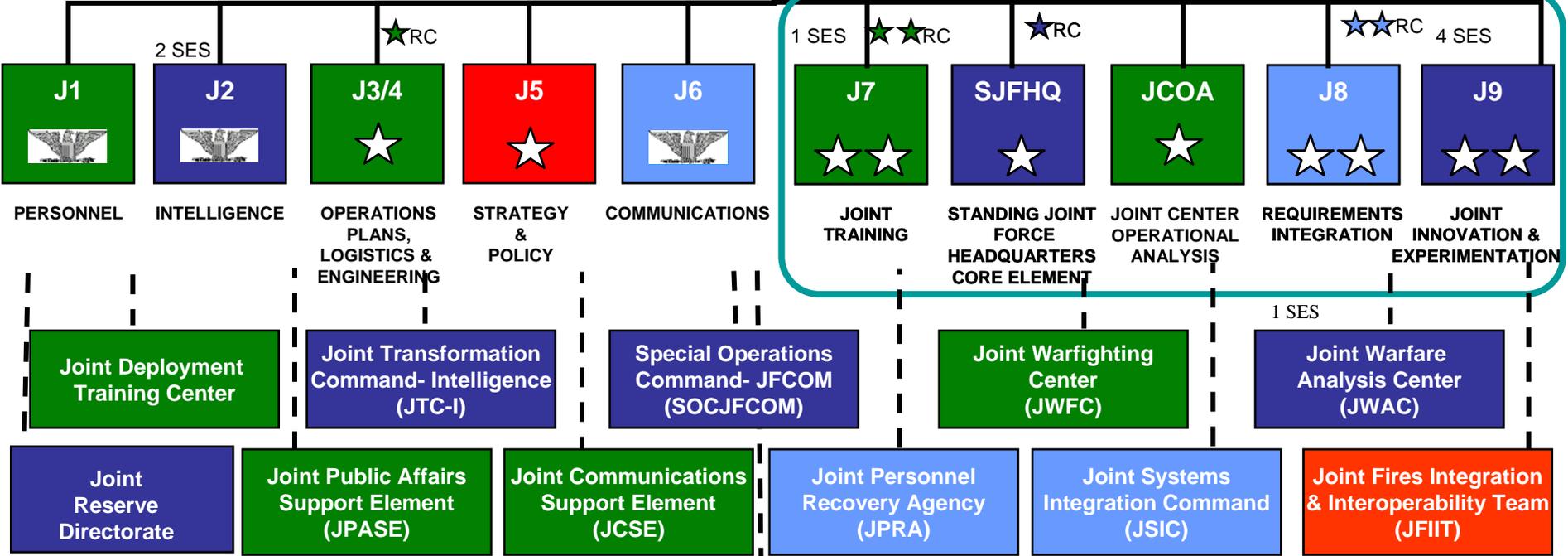
Political Advisor

Command Sergeant Major  
[Sergeant Major Icon]

Deputy Commander  
★★★

Chief of Staff  
★★

Unique Headquarters Functions



J02 - ORTA  
Office of Research & Technology Applications

# *Mechanisms for Engaging w Industry*

After March 2005

## ORTA Coordinates

### Industry Engagement

- USJFCOM Public Web Site
- Annual Industry Symposium
- Focused Forums (as needed)
- Capability Presentations and Demonstrations

## JFCOM Contracting / Business Manager

### Federal Acquisition Regulations (FAR)

- Broad Agency Announcements (BAA)
- Requests for Information (RFI)
- Unsolicited Proposals
- Contracts

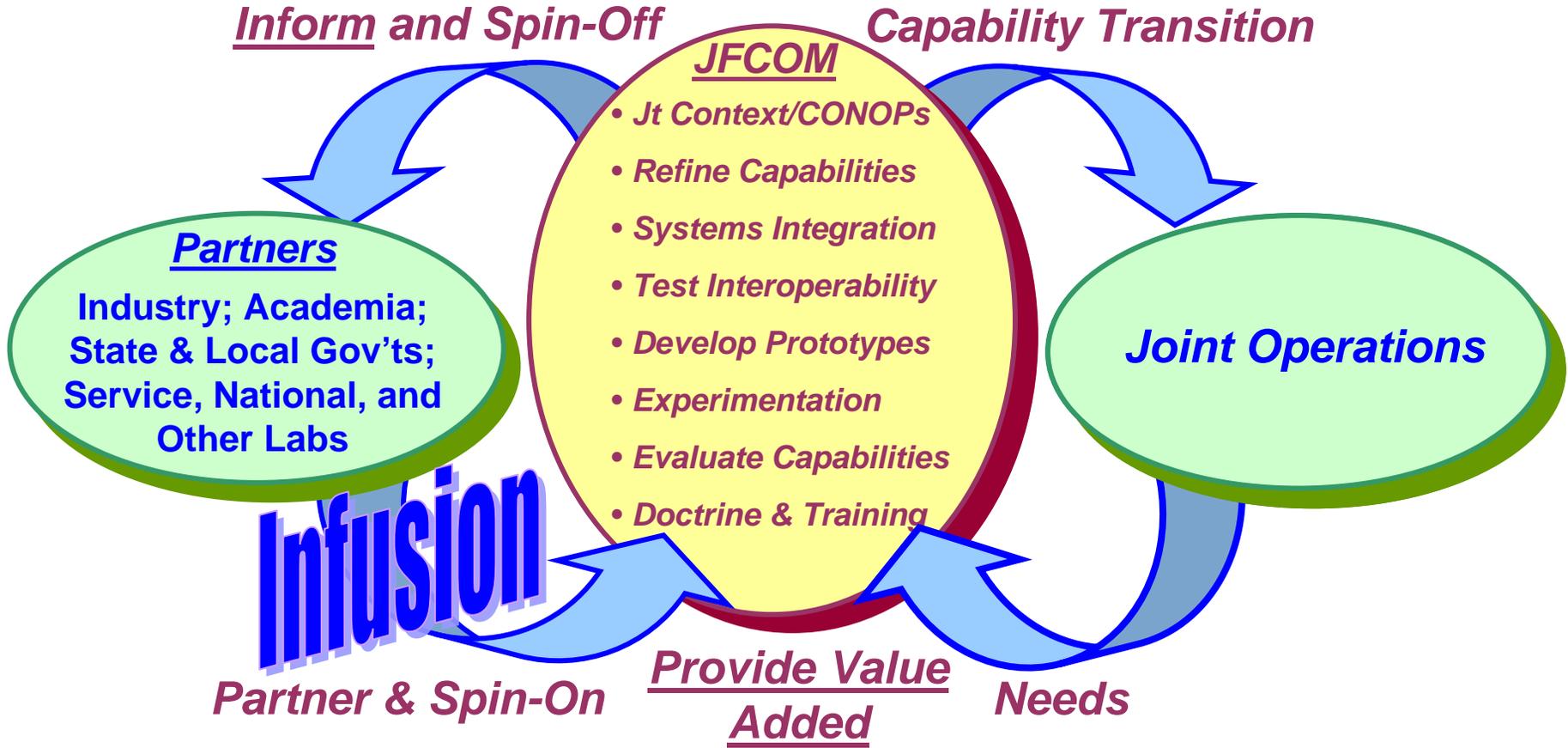
## ORTA Manages

### Technology Transfer Authorities (ORTA)

- Cooperative Research and Development Agreements (CRADAs)
- Education Partnership Agreements
- Commercial Test Agreements
- Personnel Exchanges
- Small Business Innovation Research (SBIR) Program

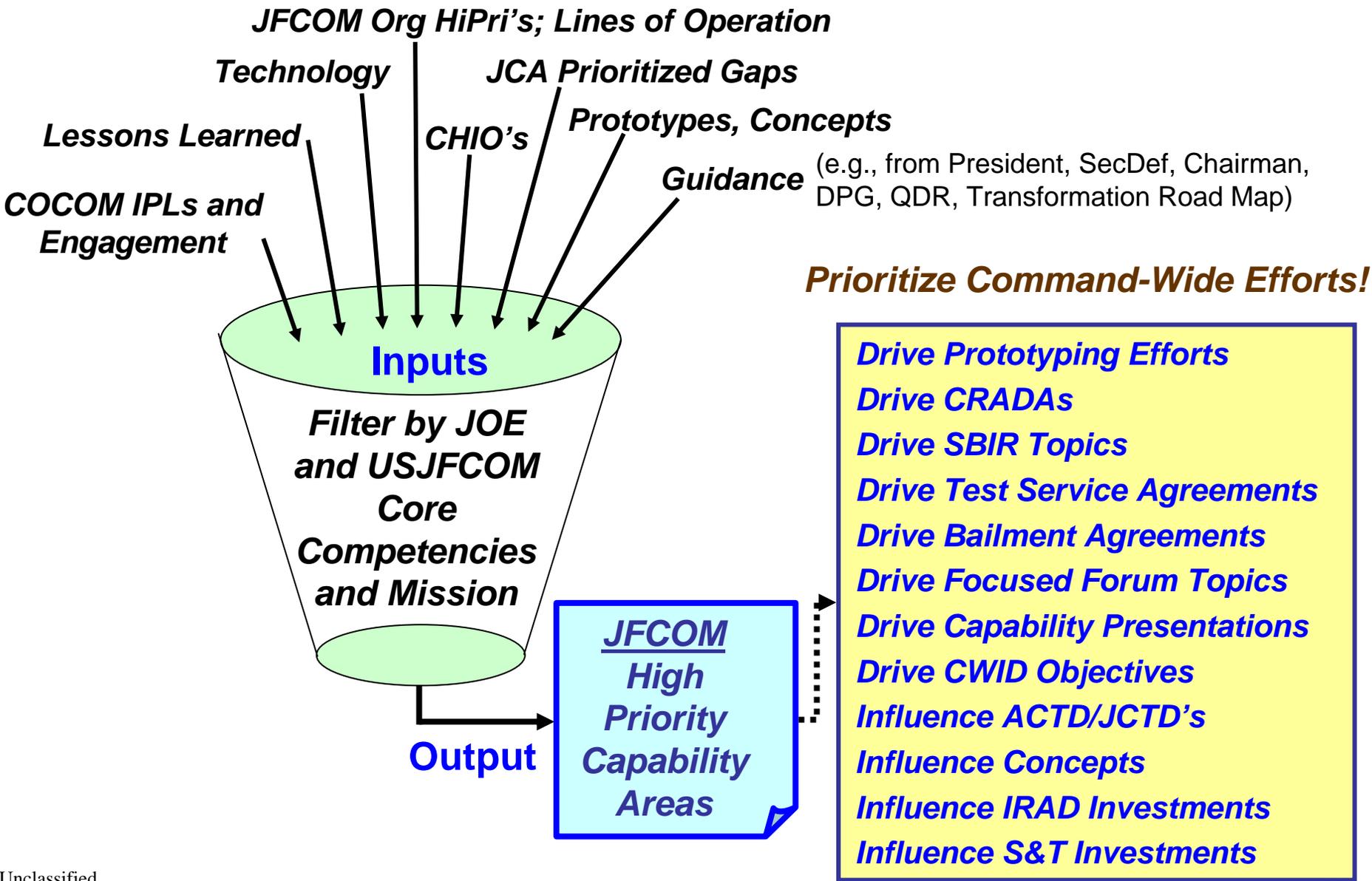
We now have several mechanisms to facilitate the engagement of businesses (large and small) and universities with JFCOM.

# Scope of Technology Transfer



Determine what the warfighter needs; inform our partners; infuse their technologies and capabilities; partner with them to make sure the capabilities meet the warfighter's needs and transition capabilities to the warfighter

# Responding to Joint Warfighter Needs

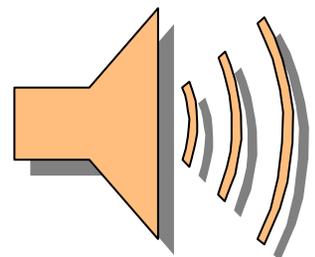


# Process for Engaging with Industry

*“These are the problems that require your help.”*

*“We have a potential solution.”*

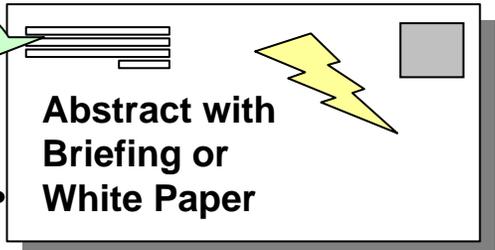
*Send email to [tech.transfer@jfc.com](mailto:tech.transfer@jfc.com)*



**JFCOM Focused Forums, Industry Symposium, Web Page, Announcements, Presentations, Engagement**



**Industry/Academia**

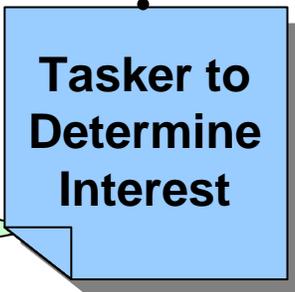


**Request Opportunity to Give Capability Presentation or Demo**

*Outcome?*



**Hold capability presentation/demo; Discover promising capabilities**



*“Who is interested in a capability presentation?”*



*“What is the capability? Who might be interested?”*

# *Partnering for Success*

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**CRADA**

*Leverage Resources;  
Share Risks;  
Collaborate!*

# Summary of Potential CRADA Partners

Hewlett Packard	Lockheed	SAIC
Honeywell	Raytheon	Alion/BMH
L-3 Communications	Northrop Grumman	NCOIC
Microsoft	Sun Microsystems	Boeing
MITRE	Intel	General Dynamics
VMASC / Old Dom Univ	George Mason Univ	IBM
MIT	CORMINE	JHU/APL
CISCO	MAERSK Shipping	BAE Systems
State of Virginia	Stanford University	SpeeDev
Raytheon	Boeing	Trusted Solutions Gp

## Color Legend

- Signed; executing
- Close; final review
- Draft CRADA
- Proposals

Most major defense companies; some major non-defense IT companies; a few small businesses; and a few universities

# *Why Do a CRADA with JFCOM?*

- JFCOM is not a traditional Federal laboratory; we are first and foremost a combatant command whose main mission is transformation
- We do little research; more development (and integration); but significant test, experimentation and evaluation
- JFCOM: r D T & E
- Partner: R D t & e
- Calculus: r D T & E + R D t & e = R D T & E
- Plus – JFCOM rounds this out with conops, training, and doctrine so that we provide a complete DOTMLPF package to the warfighter

**Good partnerships result when the partners complement each other; both partners benefit.**

# *Concluding Comments*

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- **JFCOM's technology transfer authorities have enabled us to significantly improve our relationships with industry and academia**
  - We are becoming more externally focused
  - We are looking to find capabilities and experience that we can leverage before we undertake it ourselves
  - We are a better partner
- **Our technology transfer authorities provide us with tremendous opportunities to leverage and influence the investments of others**
- **We are just now touching the surface of what we could do to support the missions of JFCOM and the needs of the joint warfighter**
- **Benefits: Better, cheaper, faster, lower risk**
- **Other DoD organizations benefit from our technology transfer activities; leverage our CRADAs**

# *Discussion*

**Contact:** *[tech.transfer@jfcom.mil](mailto:tech.transfer@jfcom.mil)*

**ORTA:** *[russ.richards@jfcom.mil](mailto:russ.richards@jfcom.mil)*