



# **Operationally Responsive Space**

**Implementing the Way Ahead**

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**24 April 2007**

**Mr. Joseph Rouge, Associate Director**

**National Security Space Office**



# **2007 – A Very Good Year for ORS**

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- **Congress**
- **DoD Executive Agent for Space**
- **United States Strategic Command**
- **Services**
- **Service/Agency Labs**
- **Intelligence Community**

**ORS Gaining Support and Momentum Moving Into FY08**



# FY07 National Defense Authorization Act

**Submit to the defense committees a report setting forth a Plan for the acquisition by the DoD of capabilities for ORS**

- **Roles and Missions** of each military department, agency, components
- Identification of the **capabilities required** by DoD to fulfill such mission during current FYDP & an additional 10-year period
- **Chain of command** and reporting structure
- **Classification of information** requirements
- **Acquisition policies and procedures**
- Any legislative action necessary to provide the Office **additional acquisition authority** to carry out the ORS office responsibilities
- **Schedule** for the implementation
- **Funding and personnel** required

**Report signed by the DepSecDef on 19 April !!!**



# Operationally Responsive Space

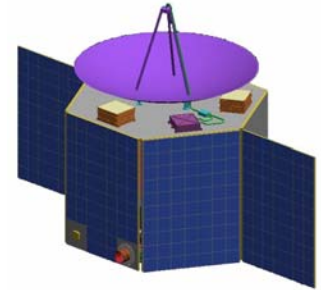
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- **ORS Definition**
  - Assured space power focused on timely satisfaction of Joint Force Commanders' (JFCs') needs
- **Space capabilities optimized to meet urgent/unforeseen/emerging needs**
  - Reconstitute lost capabilities
  - Augment/Surge existing capabilities
  - Fill Unanticipated Gaps in capabilities
  - Exploit new technical/operational innovations
  - Respond to unforeseen or episodic events
  - Enhance survivability and deterrence
- **Complementary to “Big Space”**

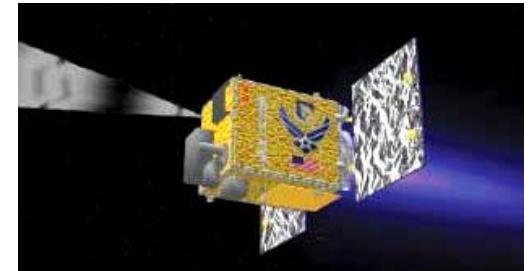


# ORS Scope

- **Traditional Space Force Enhancement**
  - ISR, specialized comm, tailored tactical missions (e.g. Blue Force Tracking)
- **Space Control**
  - Space Situational Awareness (SSA)
- **Space Support**
  - Rapid access



TACSAT 4



XSS-11



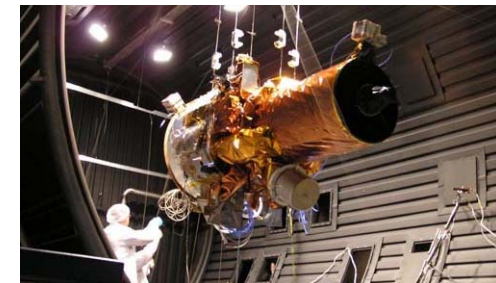
Minotaur

**Enable New Approaches / Architectures**



# ORS Tiered Approach

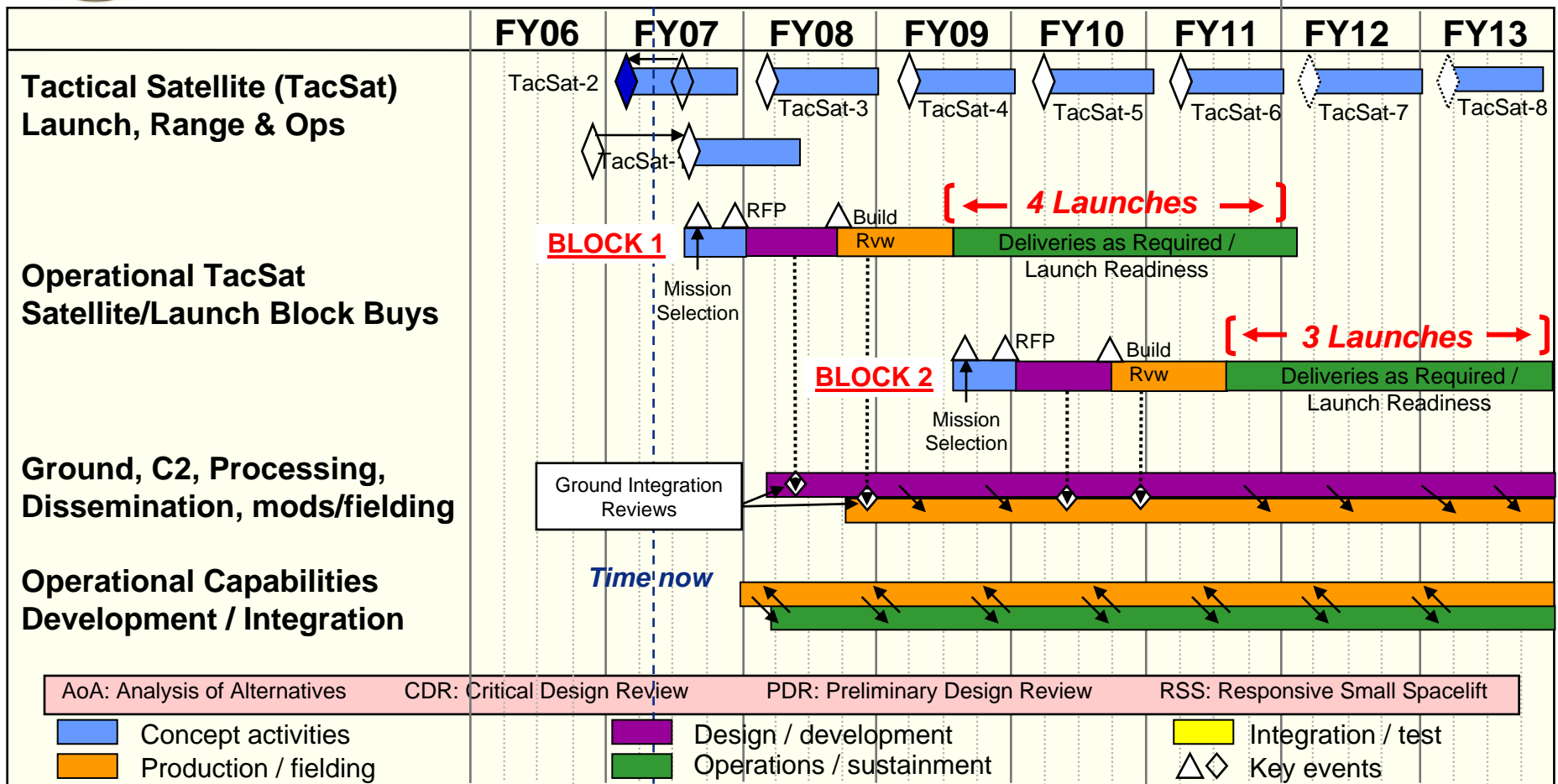
- **Tier-1 (command it)**
  - On-demand with existing assets
  - Minutes to hours
- **Tier-2 (launch/deploy it)**
  - On-call with ready-to-field assets
  - Days to weeks
- **Tier-3 (develop it)**
  - Rapid transition from development to delivery of new or modified capabilities
  - Months (not years)



**The Desired End-State**



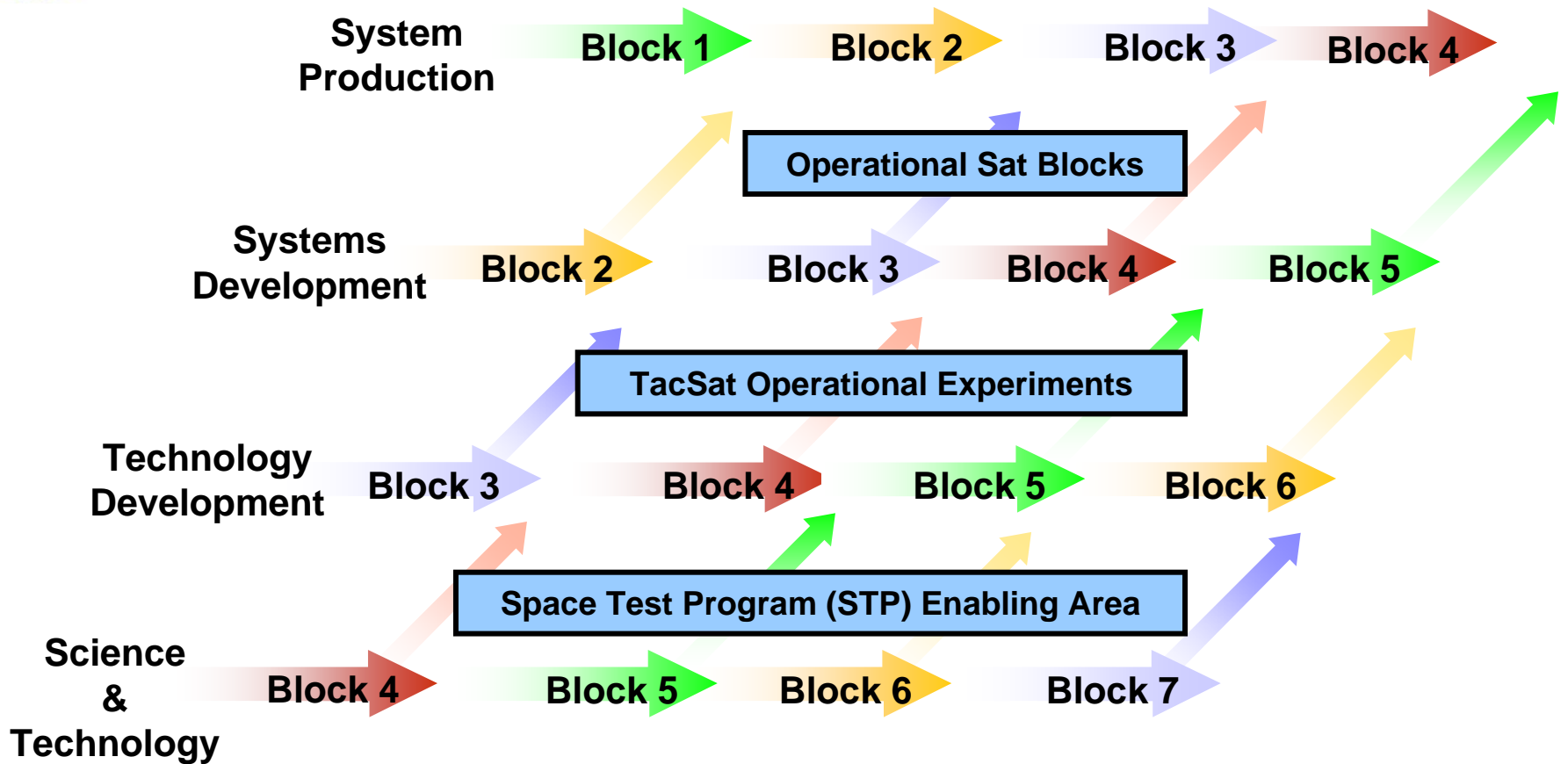
# ORS Schedule



PE 0604857F, 3600 (\$M)	FY07	FY08	FY09	FY10	FY11	FY12	FY13
Total (\$409.2M from FY08-13)	35.6	87.0	111.7	52.8	52.7	52.6	52.5



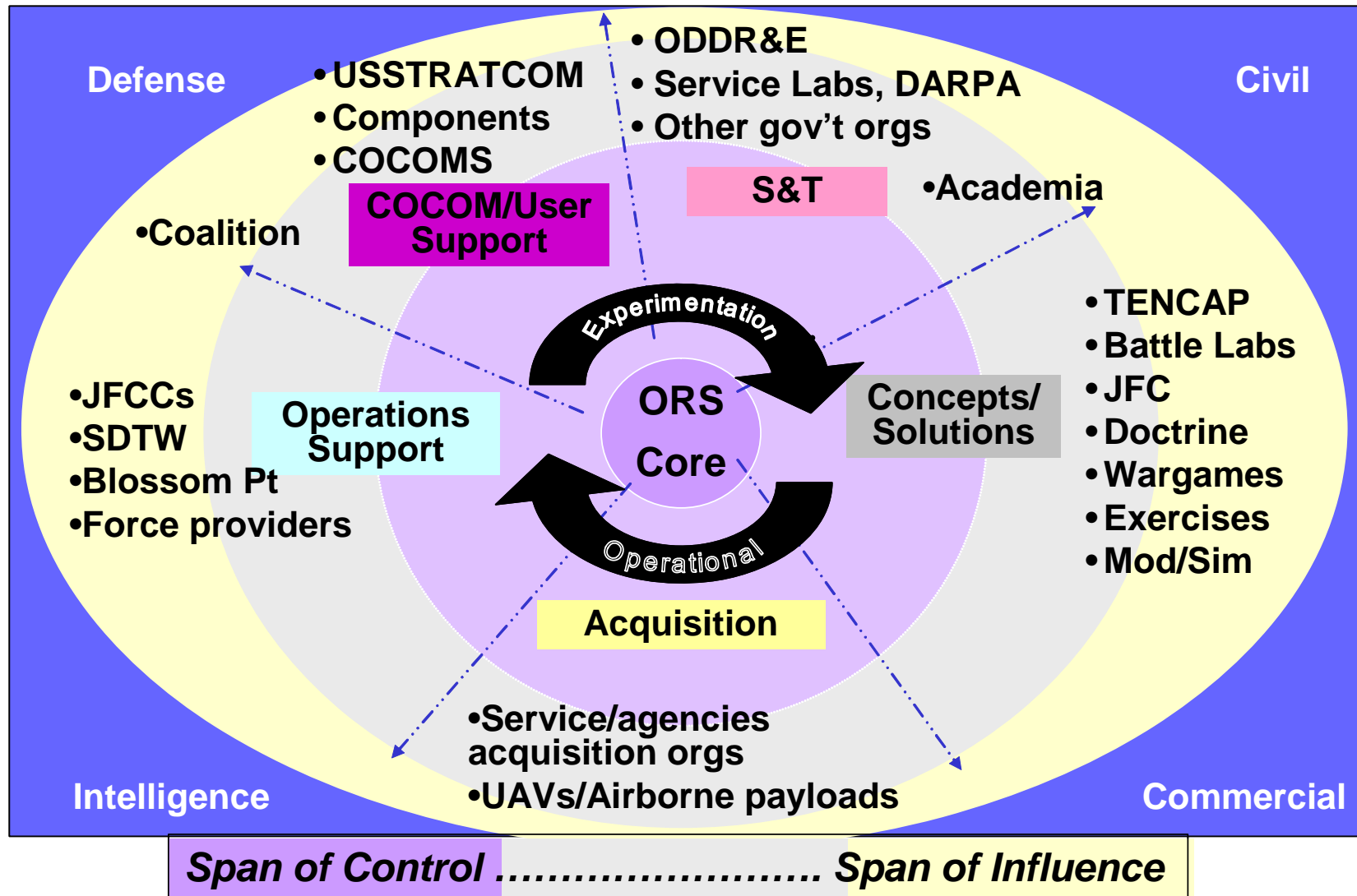
# ORS Supports USecAF's Block Acquisition Approach



**An integrated ORS effort is needed to execute this vision**

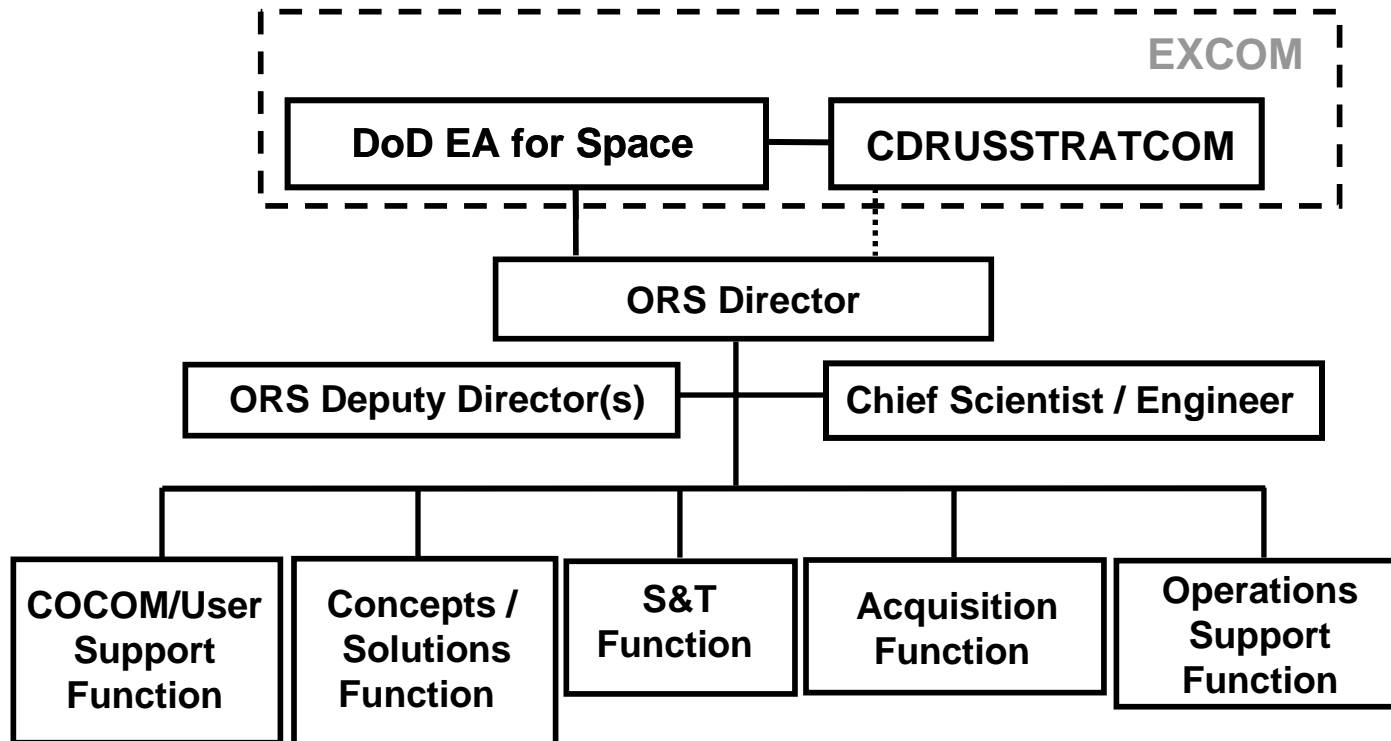


# Hub and Spoke ORS Community





# Proposed ORS Office Structure





# ORS Status and Way Ahead

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- **Report to Congress “Plan for ORS” signed by DepSecDef on 19 April**
- **Initial ORS Office stand-up in May 2007**
- **ORS Implementation Planning for full-up ORS Office by 1 October**



# Summary

- **Congressional support strong**
- **Service Labs heavily investing**
- **Joint Team still defining ORS roles, missions, capabilities, policies, procedures, personnel & funding**
  - **Leveraging ongoing SLV/spacelift and TacSat effort**
- **Refining leadership, organization, and program plans**



**Shaping the Future of Operationally Responsive Space**