



# Operationally Responsive Space (ORS)

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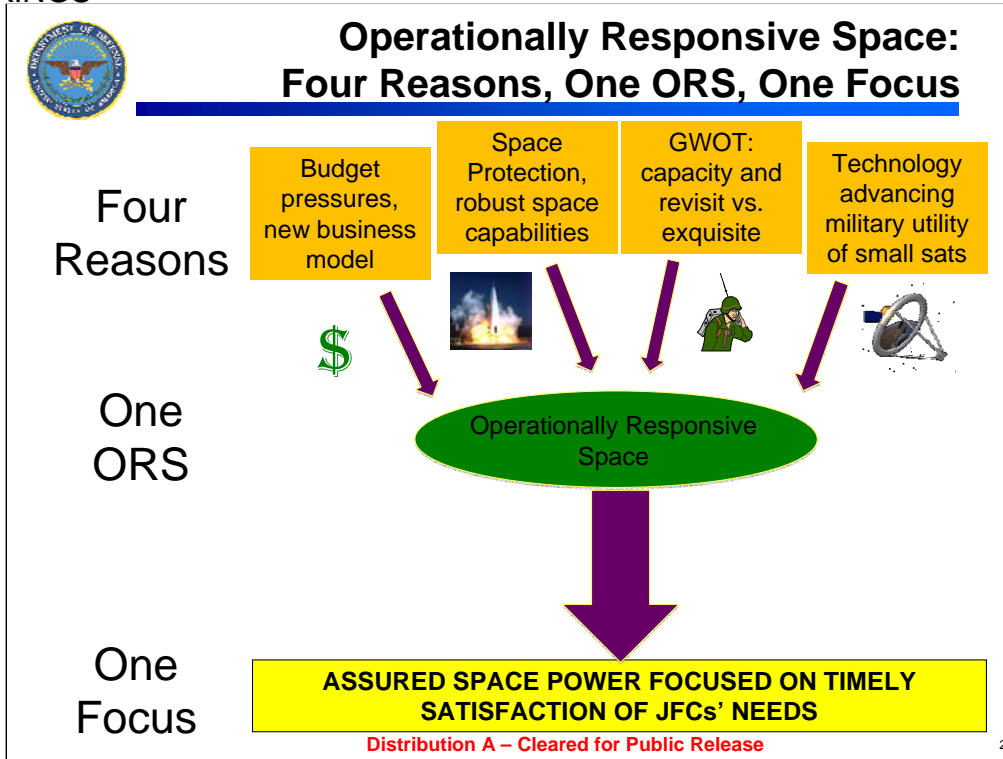
## Meeting the Joint Force Commanders' Needs

October 2008

Dr. Peter Wegner  
Director, ORS Office

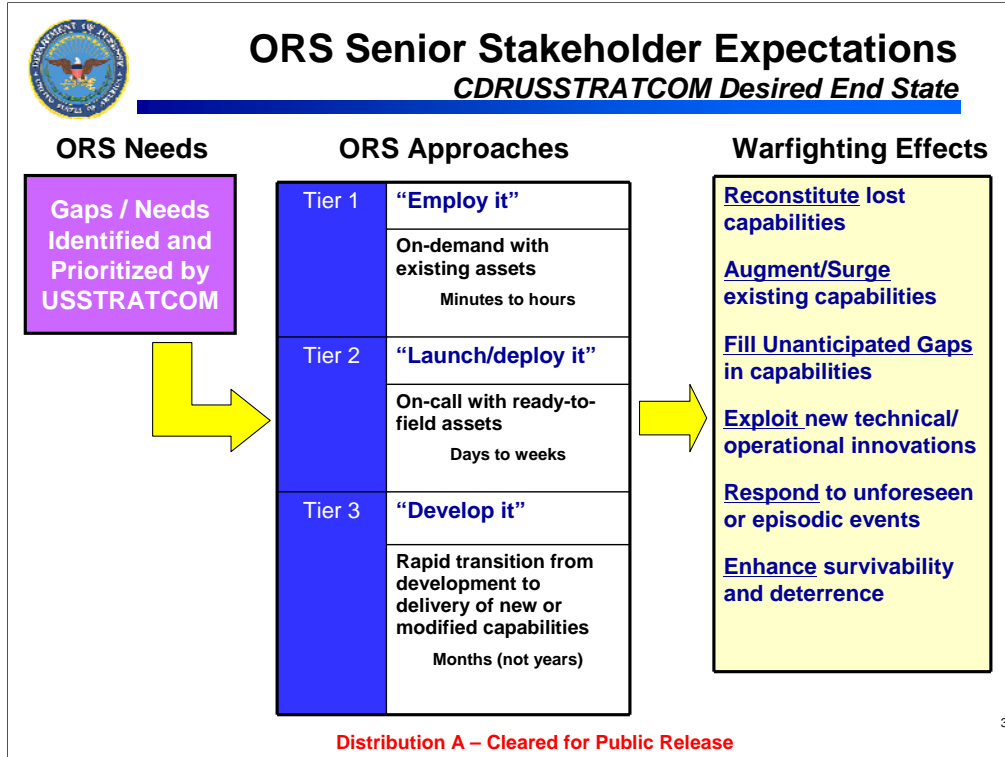
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ORS.Office@kirtland.af.mil



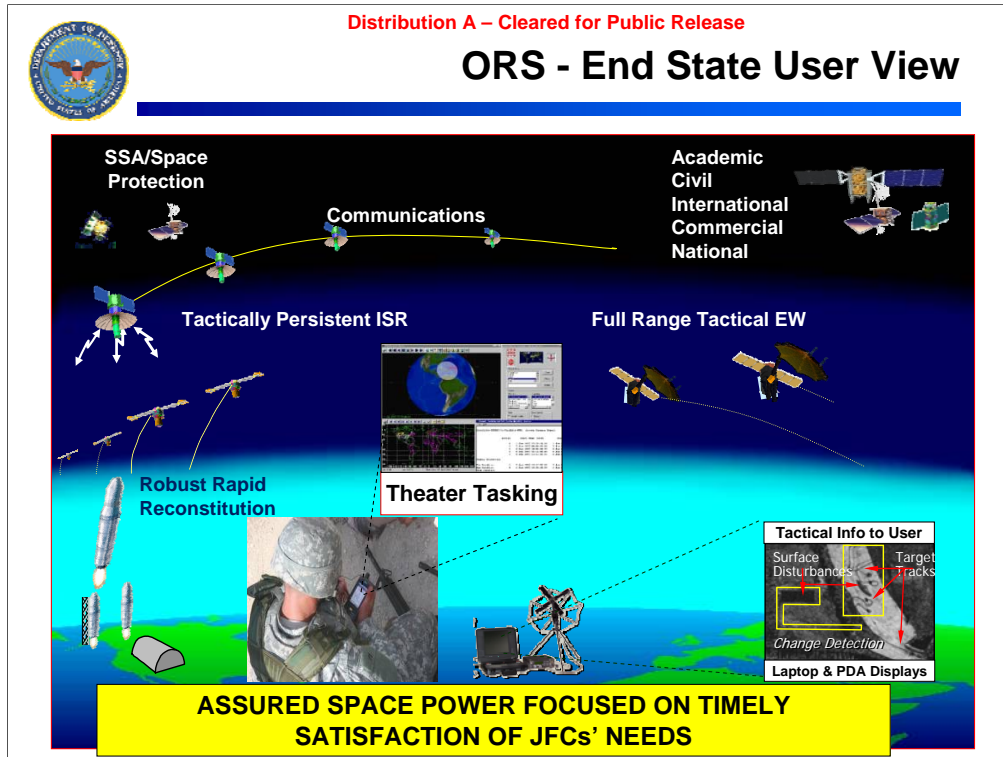
ORS means only one thing: assured space power focused on timely satisfaction of JFC's needs.

ORS is focused on a new, information-age based model of low-cost, rapid reaction space assets. We're not intended to replace or compete with the traditional model of exquisitely high performance systems. ORS' focus is truly on the warfighter – making sure they have the information they need when they need it.

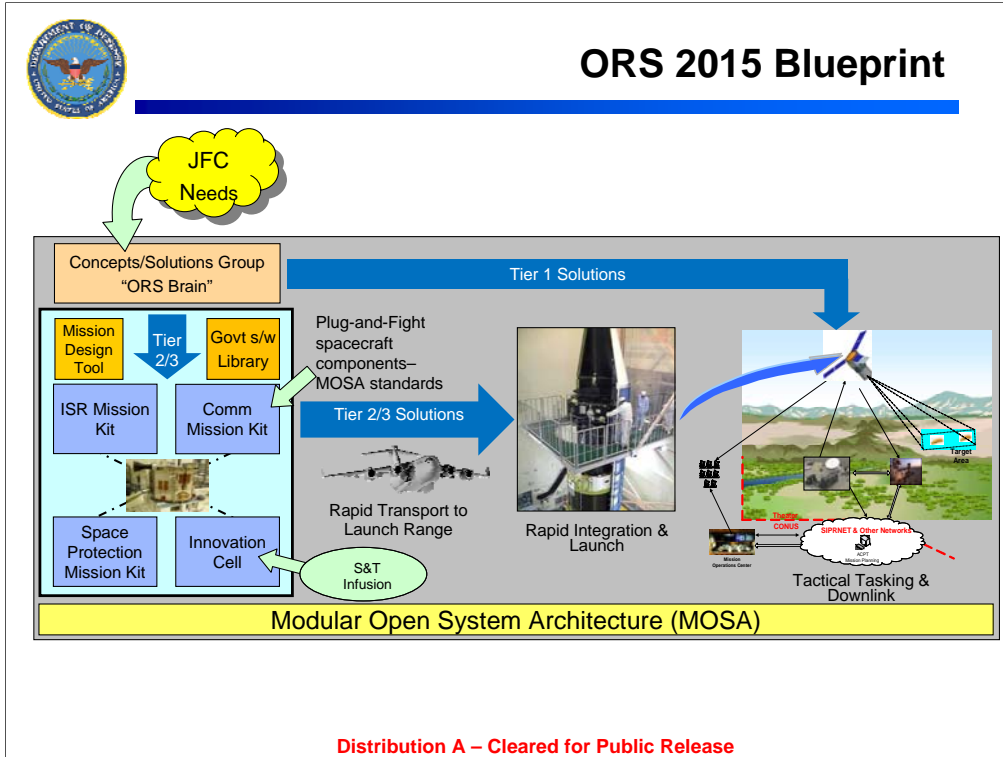


We do have an implementation plan and a STRATCOM developed conops. The framework for our approach and investment strategy was identified and prioritized by USSTRATCOM

The Tiers represent the timeline in which we deliver effects to the warfighter and what we wish to do is be able to address issues anywhere from minutes to hours to months (not years).



What is different is how ORS is how it will provide focused capability to the Joint Force Commander within these mission areas (ISR/SSA/Comm). They will be tailored to his needs and possess the characteristics necessary to fit into his joint force warfighting scheme.

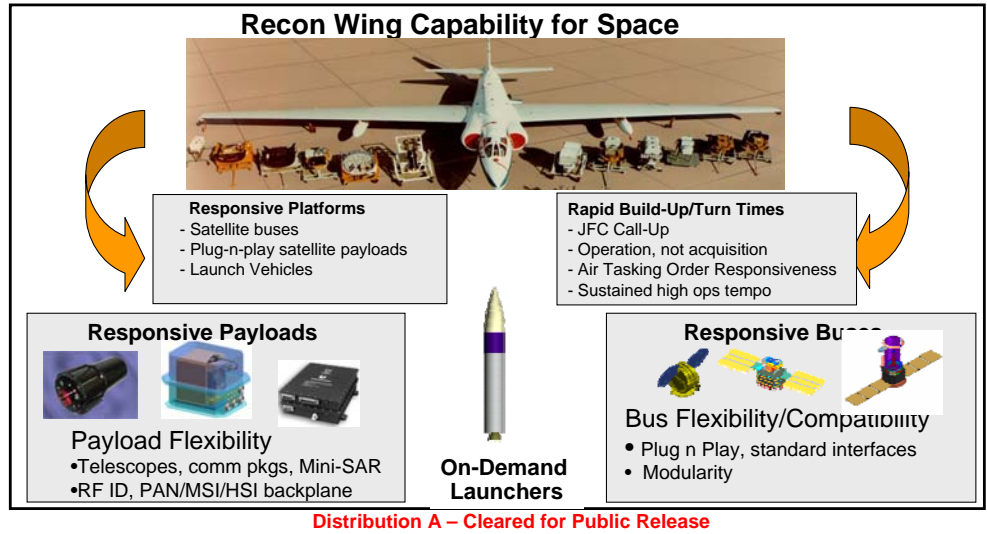


One can overlay the STRATCOM CONOPS over this blueprint. JFC needs are vetted by the “ORS BRAIN” and triaged into Tiers 1,2, or 3 - and if a Tier 1 sol’n does not exist, then the need falls through to longer term Tier 2 or even Tier 3 soln’s. (hours, days, months)



## ORS Essential Tasks and Approach

1. Respond to Joint Force Commander Needs
2. Develop End-to-End Enablers for Small Satellites to Provide Timely Space Solutions to Joint Force Commanders



ORS models Responsive Space on the successful U-2 wing implementation, where you have common, standardized platforms, busses, payloads leading to integration/call-up – where we are able to quickly adapt and configure to JFC needs in multiple mission areas. To do that in a timely way, one of the primary activities of the ors office is to develop the infrastructure to be able to execute this vision which includes a modular, open systems architecture, and open innovation standards for h/w and s/w. Additionally, we will control the long-lead items through use of the rapid response space center aka Chileworks.



# ORS 2015 Blueprint



**Key Processes are Rapidly Being Developed and Demonstrated!**

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## **ORS Office Way Ahead**

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- **Continue to invest in ORS enablers**
  - Mature & fly as many ORS capabilities as rapidly as possible
  - Develop initial ORS Small Satellite Rapid Response Facility at KAFB
- **Accelerate ORS Demo schedule by collaborating**
  - Talks underway with AFRL, ONR, SMDC, SMC, STP, NRO, DARPA, DOE, DHS, NOAA, SPAWAR & International partners
- **Incorporate lessons learned from its first year activities into current efforts**
- **Establish Consortium for modular, open standards architecture (MOSA) for small satellites & systems**
- **Gain near-term Military Utility Assessment experience & warfighter feedback using ORS demos and Tier 1 assets**
- **Reprioritize funds to respond to warfighter needs as required by EA for Space**

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