

The Joint ORS Office is taking a new approach to risk and mission assurance to rapidly deploy capabilities that are good enough to satisfy warfighter needs across the entire spectrum of operations, from peacetime through conflict.

Background

On May 21, 2007 the Deputy Secretary of Defense and Executive Agent for Space established the Operationally Responsive Space (ORS) Office as a proactive step to adapt space capabilities to changing national security requirements and to be an agent for change across the community.

Approach

The Joint ORS Office is working with the broader space community to provide “assured space power focused on timely satisfaction of Joint Force Commanders’ needs.” The end state of the ORS concept is the ability to address emerging, persistent, and/or unanticipated needs through timely augmentation, reconstitution, and exploitation of space force enhancement, space control, and space support capabilities.

The ORS Office is implementing a rapid innovation process using a Modular Open Systems Architecture (MOSA) to facilitate rapid assembly, integration, and test (AI&T), deployment, and operations of space assets into the current space architecture in operationally relevant timelines. The ORS Office focuses on material (spacecraft, launch, range payloads) and non-material solutions (business model, acquisition, policy, industrial base, training, command and control, tasking, exploitation, processing, & dissemination, concept of operations), and collaborates with national and international agencies to leverage existing investments and develop long-term relationships.

Results

- Delivers capabilities to the warfighter in operationally relevant time frames.
- Provides the nation with a mix of simple one mission satellites that complement strategic assets.
- Drives down overall costs and development timelines.
- Capitalizes on emerging and innovative capabilities.
- Introduces new operational concepts for increased flexibility.
- Engages the entire space community through collaboration and coalition opportunities.
- Invigorates the science and engineering skill base.