

# JOINT TEST & EVALUATION

## Joint Space Control Operations- Negation (JSCO-N)

### SUMMARY

- JSCO-N is a three-year test currently in its first year of execution. It is located at Colorado Springs, Colorado. The Air Force is the lead Service.
- Planning is for three Field Tests (Terminal Fury 05, 06, and Unified Endeavor 06).
- Field Test 1 will provide a mission area baseline to identify potential improvements for the joint warfighter.

### TEST DESCRIPTION AND MISSION

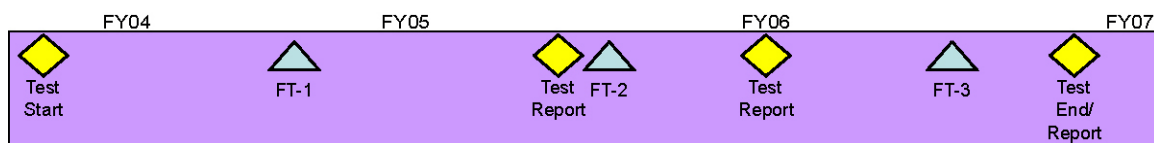
JSCO-N was chartered in March 2004 to address the threat of an adversary using space to threaten friendly space-based services (imagery systems, satellite communications, and satellite navigation systems). JSCO-N is sponsored by Air Force Space Command and is actively supported by U.S. Army Space and Missile Defense Command and U.S. Naval Network Warfare Command. STRATCOM, as the mission area “owner,” and PACOM are both collaborating with JSCO-N as well.



*JSCO-N focuses on better synchronization of space control operations through the Theater Combatant Commander's joint targeting cycle.*

The Space Control mission area is defined as “combat and combat support operations to ensure freedom of action in space for the United States and its allies and, when directed, deny an adversary freedom of action in space” (Department of Defense Directive 3100.10, July 1999). JSCO-N addresses the “negation” function of the Space Control mission area. Space Control Negation (SCN) may target an adversary’s space capability by using a variety of permanent and/or reversible means to achieve five possible effects: deception, disruption, denial, degradation, and destruction. Because these effects focus on attacking the adversary’s ability to use the “high ground” of space to its advantage, SCN planning must be fully integrated into the Joint Force Commander’s targeting cycle.

### TEST AND EVALUATION ACTIVITY



JSCO-N is planning and conducting test activity to identify, evaluate, and document improvements to the planning and assessment of Joint SCN combat capability. JSCO-N focuses on better synchronization of space control operations through the Theater Combatant Commander’s joint targeting cycle. Test results will provide empirical data with recommendations to the operational, training, and acquisition communities, and will support Doctrine, Organization, Training, Leadership, Material, Personnel, and Facilities as well as Transformation Change Package recommendations coordinated through JFCOM.

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The JSCO-N made significant strides in drafting a concept document that captures current “best practices” in command and control of space control negation capabilities. JSCO-N has been conducting extensive coordination and liaison with space control negation operators and stakeholders. JSCO-N personnel have comprehensively researched doctrine, existing standard operating procedures, emerging concepts of operation, and lessons learned from exercises and operational contingencies. This knowledge is being distilled into an in-depth “Procedures Document” addressing Inputs, Outputs, and Operational and command and control architecture, complete with matrixes, templates, and checklists. Due to the fact that there are no standard procedures among the combatant Area of Responsibilities for performing SCN, the detailed information within the Procedures Document will fill this void for the first time. The JT&E will use this material to aid the JSCO-N Detailed Test Plan refinement and test article development. STRATCOM is incorporating this procedural summary into its Strategic Directive on space control operations. In addition, work is being conducted with JFCOM Air, Land and Sea Applications Center to initiate a multi-Service tactics, techniques, and procedures effort following the first test event and the validation of the procedures.

## TEST AND EVALUATION ASSESSMENT

As one of the first JT&E efforts under the new streamlined JT&E process, JSCO-N has successfully established and positioned itself to produce test products quickly. In preparation for the first test, JSCO-N has been integrated into the Initial Planning Conference, Mid Planning Conference, and various working groups associated with Terminal Fury 05 to be held in PACOM in December 2004. JSCO-N has been accepted as a participant in this Tier 1 exercise.

The team has conducted risk-reduction strategies by imbedding personnel into two related activities (Joint Expeditionary Forces Experiment 04 and the Schriever III Wargame and associated seminars, that will illuminate potential space control test articles that may be factors in our TF-05/06 field tests).

The third Joint Warfighter Advisory Group’s was conducted in June 2004 and the fourth is planned for October 2004. Primary topics discussed at the JWAG included test design, draft command and control processes, data collection and analysis methodology.

JSCO-N’s first General/Flag Officer Steering Committee (GOSC) is scheduled for October 2004. The JSCO-N GOSC is an advisory body that provides a forum for senior-level counsel and advocacy from the Military Services, the Unified Commands, and Department of Defense Agencies.