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# Army Doctrine Captures Value of Space

## Emerging Army Doctrine Captures Value of Space at Division and Corps Levels

By Stephen W. Brodersen

**S**ince Desert Shield and Desert Storm, the Army has increasingly recognized the value and role of Space operations at the tactical level. This recognition is becoming an operational reality as the Army transforms its tactical forces and doctrine to meet the threat in today's contemporary operational environment. Space support of tactical operations is changing from what was essentially a liaison relationship to an embedded, doctrinally supported staff responsibility.

Army Space Operations Officers are currently assigned to each Legacy corps G3. As the Army continues its transformation, these highly skilled officers will establish Space Support Elements (SSEs) in the interim division and corps. The Interim Force SSEs are a bridge to the Objective Force and the Army is capturing this presence in its emerging Army doctrine.

The Combined Arms Doctrine Directorate at Fort Leavenworth is quietly and deliberately transforming Army doctrine. This new doctrine reinforces the value of Space operations by including Space and the role of the Space Operations Officer in four key doctrinal publications: Field Manual (FM) 7-15, *Army Universal Task List*; Army Training and Evaluation Program 100-15/71-100 Mission Training Program, *Corps/Division Command Group and Staff*; FM 5-0, *Army Planning and Orders Production*, and FM 6-0, *Command and Control*.

### FM 7-15

FM 7-15, *Army Universal Task List*, is a comprehensive listing of Army tactical-level tasks and functions. It provides standard definitions and articulates what the Army does to accomplish missions.

FM 7-15, in its final draft form, contains two Space

tasks. The first task — provide Space-based products and services — is linked to the intelligence battlefield operating system and focuses on enhancing the effectiveness of unit operations. The second task — provide Space support — is linked to the command and control battlefield operating system and supports tactical planning by using the military decision making process. These universal tasks establish Space support as a critical Army warfighting function and set the stage for establishing unit-specific Army Training and Evaluation Program Mission Training Programs.

### Army Training and Evaluation Program 100-15/71-100 Mission Training Program

Army Training and Evaluation Program 100-15/71-100, *Corps and Division Command Group and Staff Mission Training Plan*, resembles the Army Universal Task List in that it is a comprehensive listing of the tasks, conditions, standards and performance measures associated with a division or corps headquarters. Key to the presentation of each task is the linkage to a specific staff element or section.

The Space Operations Officer and SSE are identified as contributors or points of coordination in numerous tasks in this important doctrinal publication. The integration and value added by the Space Operations Officer is captured in the performance measures of tasks associated with the G2, G3, and G6.

Two SSE specific tasks included in the Army Training and Evaluation Program Mission Training Program are to provide Space input to the military decision making process, and to provide Space-related products. These tasks detail the contributions of the SSE to the corps and division planning process and the conduct of current operations.

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### **FM 5-0**

FM 5-0, *Army Planning and Orders Production* is the most recent doctrinal publication to enter the Combined Arms Doctrine Directorate's revision cycle. This FM is the Army's keystone manual for planning operations in peace and war. In its initial draft stage, the new FM addresses the traditional military decision making process as well as the emerging commander — centric decision — making techniques and automated decision support systems.

Similar to its predecessors, the new FM 5-0 contains examples of operational plans, orders, and the supporting annexes needed to complete Army tactical missions. For the first time in its history, however, this publication will contain a format and complete description of the contents of a Space annex. Space Operations Officers at all levels will use the Space annex to embed the added value of Space in the planning of military operations.

### **FM 6-0**

FM 6-0, *Command and Control*, is the Army's newest contribution to the capstone doctrinal publications. Currently in its Doctrinal Review Advisory Group form, FM 6-0 completes the recognition of the value of Space support to the division and corps by capturing the role and responsibilities of the Space Operations Officer.

The Space Operations Officer is identified as one of the command's special staff officers. The G3 exercises coordinating staff responsibility for the Space Operation Officer; the Space Operation Officer, however, provides Space support and Space-based products to the entire staff. The specific responsibilities relate directly to the tasks outlined in the Army Universal Task List and the Army Training and

Evaluation Program Mission Training Plan and include:

- Advising the commander on the capabilities, limitations, and uses of Space assets.
- Calculating, analyzing, and disseminating global positioning system coverage and accuracy data.
- Assisting in the acquisition of DoD and commercial satellite imagery.
- Providing input to the G2 on the capabilities and vulnerabilities of the threat and commercial Space systems.
- Providing Space intelligence preparation of the battle Space input to the G2.
- Providing Space estimates.
- Coordinating Army Space Support Teams supporting the command.

### **Summary**

Army doctrine establishes the framework for military operations. As the Army transforms its organizations, it is also transforming the doctrine supporting its tactical-level tasks and functions. The ongoing doctrinal revisions capture the Army's recognition of the contributions of Space-based systems and the value added by Army Space Operations Officers.

The doctrinal foundation these four key publications establish will ensure our Army is a Space-enabled force capable of victory across the full spectrum of conflict.

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