

Joint Tactical Ground Station Operations

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Preface

FM 40-1 is the doctrinal manual for US Army joint tactical ground station (JTAGS) operations. The document addresses all theater missile defense operational elements including passive defense, attack operations, active defense, and battle management, command, control, communications, computers, and intelligence (BM/C4I). This manual provides the doctrinal base for its integration into joint theater missile defense (JTMD) and explains how United States Space Command (USSPACECOM), through United States Army Space Command (ARSPACE) and theater commanders in chief (CINCs), commands and controls JTAGS operational units to contribute to JTMD. The policies, guidance, and information provided herein detail requirements necessary for successful coordination of JTAGS within the Army and other service components. Its contents apply to Army JTAGS operations worldwide.

The proponent for this manual is the Space and Missile Defense Command (SMDC). Send comments and recommendations on DA Form 2028 directly to:

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Chapter 1

Overview

The joint tactical ground station (JTAGS) is the transportable, mobile, in-theater element of US Space Command's (USSPACECOM) theater event system (TES). The JTAGS provides theater commanders a continuous 24-hour capability to receive and process direct downlinked data from space-based Defense Support Program (DSP) sensors. The JTAGS uses the downlinked data to disseminate early warning, alerting, and cueing information on tactical ballistic missiles (TBMs) and other infrared events of interest throughout the theater.

PURPOSE OF THE MANUAL

1-1. JTAGS represents a major Army contribution to theater missile defense (TMD) and is the subject of this manual. TMD refers to the identification, integration, and employment of forces, supported by theater and national capabilities, utilized to detect, identify, locate, track, minimize the effects of, and destroy enemy theater missiles. TMD is a coordinated joint service effort. The key to JTAGS theater support is its relatively direct connectivity and distribution architecture via a variety of voice reporting and data warning networks. A JTAGS section field emplacement is pictured in Figure 1-1.



Figure 1-1. JTAGS Field Emplacement