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ARMY, MARINE CORPS, NAVY, AIR FORCE



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CENTER**

TMD IPB

**MULTISERVICE PROCEDURES
FOR THEATER MISSILE DEFENSE
INTELLIGENCE PREPARATION
OF THE BATTLESPACE**

**FM 3-01.16
MCWP 2-12.1A
NTTP 2-01.2
AFTTP(I) 3-2.36**

FEBRUARY 2001

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MULTISERVICE TACTICS, TECHNIQUES, AND PROCEDURES

APPROVED UNEDITED VERSION

FOREWORD

This publication has been prepared under our direction for use by our respective commands and other commands as appropriate.

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PREFACE

1. Scope

This multiservice document provides detailed tactics, techniques and procedures (TTPs) for conducting intelligence preparation of the battlespace (IPB) in support of theater missile defense (TMD) operations. TMD IPB reduces uncertainties with regard to terrain, weather, and adversary capabilities in order to develop potential adversary courses of action. The four step IPB methodology detailed in this publication is based on Joint Publication 2-01.3 *Joint Tactics, Techniques, and Procedures for Joint Intelligence Preparation of the Battlespace*.

2. Purpose

This publication provides the intelligence analyst the tools to support commander and staff planning and decision making at the joint, combined, multiservice, and service levels by providing a systematic, continuous, and common methodology for analyzing the adversary theater missile force.

3. Applicability

The target audience for this publication is the intelligence analyst responsible for IPB development. It will aid the joint force commander in planning and executing cohesive joint operations against theater missiles throughout the battlespace and be beneficial for sensor employment, collection management, target development and force application.

4. Implementation Plan

Participating Service command offices of primary responsibility (OPRs) will review this publication, validate the information, and, where appropriate, reference and incorporate it in Service manuals, regulations, and curricula as follows:

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5. User Information

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- b. This publication reflects current joint and Service doctrine, command and control organizations, facilities, personnel, responsibilities, and procedures. Changes in Service protocol, appropriately reflected in joint and Service publications, will likewise be incorporated in revisions to this document.
- c. We encourage recommended changes for improving this publication. Key your comments to the specific page and paragraph and provide a rationale for each recommendation. Send comments and recommendations directly to--

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FM 3-01.16

MCWP 2-12.1A

NTTP 2-01.2

AFTTP(I) 3-2.36

FM 3-01.16

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AFTTP(I) 3-2.36

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February 2001

TMD IPB

MULTISERVICE PROCEDURES

FOR

THEATER MISSILE DEFENSE INTELLIGENCE PREPARATION OF THE BATTLESPACE

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EXECUTIVE SUMMARY

TMD IPB

Multiservice Tactics, Techniques and Procedures for Theater Missile Defense Intelligence Preparation of the Battlespace

Overview

Theater missile defense (TMD) intelligence preparation of the battlespace (IPB) is a systematic, continuous process of analyzing the adversary theater missile (TM) force and environment in a specific geographic area and the battlespace around it. This TMD IPB process helps the commander and staff selectively apply and maximize combat power at critical points in time and space in the battlespace by determining the likely adversary TM force courses of action (COAs) and their associated branches and sequels, and describing the environment within which TM forces are operating. Applied properly, TMD IPB provides for the timely and effective suppression and/or destruction of a TM force while minimizing the use of friendly assets for the TMD mission. This provides the commander and staff with a cost-effective method for providing force protection from an adversary's TM force. A large number of adversary countries possess or are trying to acquire TMs for prestige and/or military purposes. TMs have the potential to give adversaries military advantages against the United States (US) and allied forces. The TM threat these adversaries present is a complex multi-dimensional intelligence problem. The TMD IPB tactics, techniques, and procedures (TTP) concept decomposes and correlates the "who and what (equipment and units); where (infrastructure); when, why, and how (operations)" to develop potential adversary TM COAs. Typically TM forces are equipped, organized, trained, and employed differently. Many of these differences are relatively minor, while some are more

dramatic. TMD IPB uses templating to standardize the process of analyzing adversary TM forces. Templates can be in the form of text, tables, forms, or graphics. Templates in this TTP are intended to provide a starting framework for analysis and development. They are not meant to be all encompassing and should be adapted for a particular geographic area or situation.

Theater Missile Defense Intelligence Preparation of the Battlespace

TMD IPB is a continuous process, see Figure 1, consisting of four major iterative and parallel steps:

STEP 1: Define the Battlespace Environment (Focus)

STEP 2: Define the Battlespace Effects (Influences)

STEP 3: Evaluate the TM Force (Operational Model)

STEP 4: Determine TM COAs (Integrate)

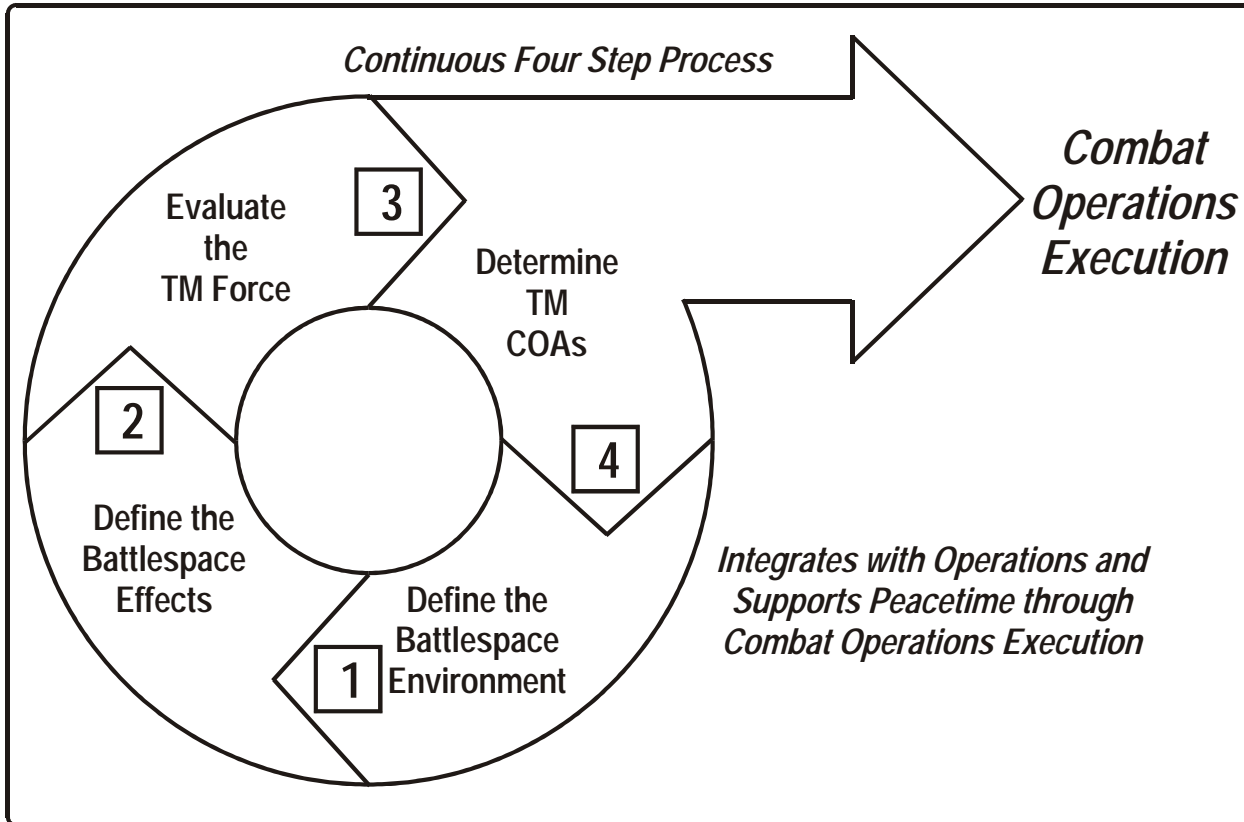


Figure-1. Continuous Four Step TMD IPB Process

STEP 1. This step focuses the initial intelligence collection efforts and the remaining steps of the TMD IPB process. It identifies battlespace characteristics requiring in-depth evaluation of their effects on adversary TM force operations, such as terrain, weather, logistical infrastructure, and demographics. The initial effort is oriented on defining the limits of the area of operations (the geographic region where TM forces operate and/or where TMD operations will be conducted) and area of interest (the area from which information and intelligence are required). Defining the significant characteristics of the battlespace environment aids in identifying and filling current intelligence data gaps.

STEP 2. This step evaluates the environment's effect on adversary TM force operations. This assessment examines terrain, weather, and other battlespace characteristics (i.e. adversary TM force infrastructure) to determine how these characteristics may limit or provide opportunities for TM force operations. The objective is to integrate these effects into a terrain

analysis designating the most probable adversary TM force operations areas.

STEP 3. This step examines in detail how the adversary TM force normally organizes for combat and conducts operations under ideal conditions. The evaluation is portrayed in a threat model of the TM force that includes doctrinal templates depicting how the TM force operates when unconstrained by the effects of the battlespace environment. TM force threat models are depicted graphically (doctrinal templates) supplemented by high value target matrices and simple narratives.

STEP 4. This step integrates the results of the previous steps into a meaningful conclusion. Given what the adversary TM force normally prefers to do, and the effects of the environment it is currently operating in, this step attempts to define the likely objectives and COAs available to the TM force. This is accomplished by creating event templates and matrices focusing on intelligence collection aimed at identifying the COA the TM force will most likely execute.

TMD IPB is a complicated and time-consuming process. Automated intelligence and terrain analysis tools greatly assist this process. Currently, several core intelligence systems are being developed and fielded which will greatly enhance the TMD IPB process. Continued emphasis on these current and future automated TMD IPB techniques is essential to more efficiently solve the threat TM problem. However, equally important is the emphasis placed on development of the intelligence data needed for the TMD IPB. It is critical to begin the TMD IPB process during the prehostilities phase, with well-developed intelligence databases, in order to successfully impact US and allied TMD operations.

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Chapter I

BACKGROUND

1. Scope

This publication gives multiservice tactics, techniques, and procedures (MTTP) for conducting intelligence preparation of the battlespace (IPB) analysis in support of theater missile defense (TMD) operations. “Joint theater missile defense is an integral part of counterair operations...[which]...integrates both offensive and defensive operations from all components to counter the air and missile threat” JP 3-01 *Joint Doctrine for Countering Air and Missile Threats*. TMD IPB is a systematic and continuous process for analyzing adversary theater missile (TM) capabilities, weather, terrain, and related infrastructure in a specific geographic region to support friendly TMD operations. Although this MTTP focuses specifically on the manual method of performing IPB, Appendix C lists some supporting automated tools. This basic TMD IPB methodology is derived from the steps, functions, and the structure established by the United States Army (USA) Field Manual (FM) 2-01.3 (FM 34-130) *Intelligence Preparation Of The Battlefield*, Joint Publication (JP) 2-01.3 *Joint Intelligence Preparation Of The Battlespace*, and JP 3-01.5 *Doctrine for Joint Theater Missile Defense*. This document is derived from authoritative and field-tested concepts. It addresses unique aspects of the TM threat, some of which follow:

- a. Encompass the strategic, operational, and tactical levels of war.
- b. Operate theater-wide and significantly impact on a wide array of friendly operations.
- c. Operate non-continuous, non-linear, and asymmetric in time and space and over large non-linear geographic areas.