

ARMY, NAVY, AIR FORCE, MARINE CORPS



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APPLICATION
CENTER

AVIATION URBAN OPERATIONS

**MULTISERVICE PROCEDURES FOR
AVIATION URBAN OPERATIONS**

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MCRP 3-35.3A
NTTP 3-01.04
AFTTP (I) 3-2.29

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MULTISERVICE TACTICS, TECHNIQUES AND PROCEDURES

PREFACE

1. Scope

This publication is a tactical level document for planning and conducting aviation urban operations. This publication—

- Supplements established doctrine and tactics, techniques, and procedures (TTP).
- Provides reference material to assist aviation and ground personnel in planning and coordinating tactical aviation urban operations.
- Applies to any personnel planning and conducting aviation urban operations, including commanders, planners, aircrew, and ground personnel requiring aviation support.
- Promotes an understanding of the complexities of urban terrain.
- Incorporates lessons learned, information from real world operations and training exercises, and TTP from various sources applicable to the urban environment.

2. Purpose

This publication provides multiservice TTP (MTTP) for planning and executing fixed- and rotary-wing aviation urban operations.

3. Applicability

a. The audience for this publication is any element of a force planning and conducting aviation urban operations, including commanders, planners, aircrew, and ground personnel requiring aviation support. This publication can serve as a source document for developing Service and joint manuals, publications, and curricula, as supplementary documentation or as a stand-alone document.

b. This publication does not address all functions of airpower employment that may be used in urban operations (e.g. counterair, strategic attack, air interdiction, etc.), as these topics are addressed in other appropriate joint and Service publications.

4. Implementation Plan

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

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5. User Information

a. The TRADOC-MCCDC-NWDC-Air Force Doctrine Center (AFDC)-Air Land Sea Application (ALSA) Center developed this publication with the joint participation of the approving Service commands. ALSA reviews and updates this publication as necessary.

b. This publication reflects current Service and joint doctrine, command and control (C2) organizations, facilities, personnel, responsibilities, and procedures. Changes in Service protocol, appropriately reflected in Service and joint publications, will be incorporated.

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 recommendation directly to one of the following services:

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AVIATION URBAN OPERATIONS

Multiservice Procedures for Aviation Urban Operations

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EXECUTIVE SUMMARY

Aviation Urban Operations

This publication–

- **Provides MTTP for tactical level planning and execution of fixed- and rotary-wing aviation urban operations.**
- **Provides reference material to assist aircrew and ground personnel in planning and coordinating tactical urban operations.**
- **Applies to all elements of a force planning and conducting aviation urban operations, including commanders, planners, aircrew, and ground personnel requiring aviation support.**
- **This publication does not address all functions of airpower employment that may be used in urban operations (e.g. counterair, strategic attack, air interdiction, etc.), as these topics are addressed in other appropriate joint and Service publications.**

Chapter I Overview

Chapter One provides an overview of aviation urban operations including lessons learned to show effective and ineffective techniques. This overview includes discussion of political and civilian considerations, law of war, rules of engagement, and collateral damage considerations. The chapter also addresses the importance of fratricide prevention measures.

Chapter II Urban Characteristics

Chapter Two describes characteristics of urban terrain including size, patterns, and features. It describes building construction, building types, street patterns, roof coverage, population density, and other features of special consideration.

Chapter III Flight Operations

Chapter Three includes discussions concerning threat considerations, effects of weather, command, control, and communications, and airspace control considerations. The chapter includes information on aviation capabilities and employment limitations. It discusses night vision devices, urban navigation, landing zone selection, and other flight operations considerations unique to aviation urban operations.

Chapter IV

Weapons Employment

Chapter Four focuses on tactical urban targeting, and weapons selection. It discusses target marking devices, friendly unit position marking, laser designation, and positive control measures. The information provided includes aerial weapons effects, ordnance delivery parameters, target tracking, and emergency close air support considerations.