

Geographic Intelligence



U.S. Marine Corps

6 July 2000

PCN 143 000067 00

DEPARTMENT OF THE NAVY
Headquarters United States Marine Corps
Washington, DC 20380-1775

6 July 2000

FOREWORD

Marine Corps Doctrinal Publication 2, *Intelligence*, and Marine Corps Warfighting Publication (MCWP) 2-1, *Intelligence Operations*, provide the doctrine and higher order tactics, techniques, and procedures for intelligence operations. MCWP 2-12.1, *Geographic Intelligence*, complements and expands upon this information by detailing doctrine, tactics, techniques, and procedures for the conduct of geographic intelligence and supporting geospatial information and services operations in support of the Marine air-ground task force (MAGTF).

The primary target audience of this publication is intelligence personnel responsible for the planning and execution of geographic intelligence operations. Personnel who provide support to geographic intelligence or who use the results from these operations should also read this publication.

MCWP 2-12.1 describes aspects of geographic intelligence operations, including doctrinal fundamentals, command and control, communications and information systems support, planning, execution, equipment, security, and training. MCWP 2-12.1 provides the information Marines needed to understand, plan, and execute geographic intelligence operations in support of the MAGTF.

Reviewed and approved this date.

BY DIRECTION OF THE COMMANDANT OF THE MARINE CORPS

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DISTRIBUTION: 143 000067 00

Geographic Intelligence

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Chapter 1

Fundamentals

MCWP 2-12.1 provides higher order tactics, techniques, and procedures in the use and production of geographic intelligence (GEOINT). The purpose of GEOINT is to present fused data about terrain, inland and coastal water, climate, and weather in intelligence products. These products help commanders increase their battlespace situational awareness and make decisions.

When planning an operation, the commander and staff use GEOINT to help analyze the effects that terrain, coasts and waterways, and climatic conditions will have on the activities and capabilities of friendly and enemy forces. With highly accurate and pertinent GEOINT, Marine air-ground task forces (MAGTFs) will be better able to exploit the advantages of the terrain and avoid or minimize its unfavorable aspects.

1001. What is Geographic Intelligence?

GEOINT is the process of collecting, organizing, analyzing, synthesizing, disseminating, and using all-source geospatial and other intelligence information with regard to the military aspects of the terrain in support of MAGTF operations. GEOINT can include cross-country movement (CCM) studies, line of sight (LOS) analysis, natural and manmade obstacles, and various terrain studies (e.g., road, railroad, airfield, bridges, ports, helicopter landing zones). The GEOINT analysis focuses on intelligence preparation of the battlespace (IPB) and addresses key terrain, observation and fields of fire, cover and concealment, obstacles, and avenues of approach (KOCOAs) to help answer MAGTF intelligence requirements (IRs). This analysis includes intensification or verification of current information

from new sources and clarification of detail and resolution to meet tactical requirements.

a. Geospatial Information

Geospatial information (GI) is precise, spatially-referenced information about the Earth with temporal tags arranged in a coherent structure and format to support measurement, mapping, monitoring, modeling, spatial reasoning applications, and terrain evaluation.

Digital GI forms the foundation for MAGTF battlespace visualization. All military operations require GI to provide the necessary framework on which all other relevant strategic, operational, and tactical information is layered and subsequent planning and decisionmaking is based.

b. Geospatial Information Infrastructure

To understand and exploit GEOINT, the Marine Corps must implement and sustain a geospatial information infrastructure (GII) that is interoperable with and supports joint and Service policies and doctrine; operational, system, and technical architectures; data standards and specifications; equipment technologies; and personnel, to include their training and education. (See figure 1-1.) The Marine Corps GII develops, implements, and sustains a collaborative production environment to support global expeditionary missions. It also

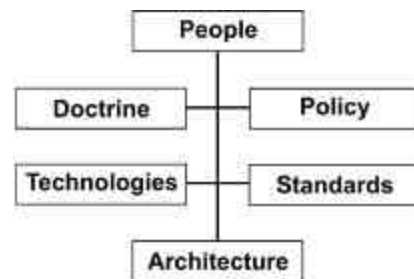


Figure 1-1. Geospatial Information Infrastructure.