

FM 34-54

TECHNICAL INTELLIGENCE

HEADQUARTERS, DEPARTMENT OF THE ARMY

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PREFACE

This field manual provides guidance to commanders and staffs of military intelligence (MI) and other units responsible for technical intelligence (TECHINT) or having an association with TECHINT. It provides general guidance and identifies the tactics, techniques, and procedures (TTP) used in the collection, exploitation, and dissemination of TECHINT in satisfying the warfighter's requirements.

TECHINT is an integral part of the overall battlefield operating system (BOS) and supports Army operations through the analysis and exploitation of foreign equipment, weapons, and other war materiel.

This field manual describes the TECHINT process at all echelons and identifies responsibilities. It further describes the MI TECHINT organizations, other services, and the strategic level intelligence agencies supporting the process.

On today's battlefield, Army forces will likely deploy as part of a joint or combined military operation. For that reason, while this manual supports Army operations, it does so in the context of Army operations as part of a joint or combined task force.

This field manual applies to all Army personnel, to include Active Component (AC) and Reserve Components (RC) commanders and their staffs, US Army Training and Doctrine Command (TRADOC) Centers and Schools, and MI elements.

The proponent of this publication is US Army Intelligence Center and Fort Huachuca (USAIC&FH). Send comments and recommendations on DA Form 2028 (Recommended Changes to Publications and Blank Forms) directly to Commander, US Army Intelligence Center and School, ATTN: ATZS-TDL-D, Fort Huachuca, AZ 85613-6000.

The doctrine in this publication conforms with and supports the principles in FM 34-1 and FM 100-5. This manual does not implement any international standardization agreements but complies with the following Standardization Agreements:

STANAG 1059 - National Distinguishing Letters for Use by NATO Forces (Edition 6).

STANAG 2014 - Operations Plans, Warning Orders, and Administrative/Logistics Orders (Edition 7).

STANAG 2044 - Procedures for Dealing With Prisoners of War (Edition 5).

STANAG 2084 - Handling and Reporting of Captured Enemy Equipment and Documents (Edition 5).

STANAG 2097 - Nomenclature and Classification of Equipment (Edition 6).

STANAG 2143 - Explosive Ordnance Reconnaissance/Explosive Ordnance Disposal (Edition 4).

STANAG 2389 - Minimum Standards of Proficiency for Trained Explosive Ordnance Disposal Personnel (Edition 1).

STANAG 2834 - The Operation of the Explosive Ordnance Disposal Technical Information Center (EODTIC) (Edition 2).

Unless this publication states otherwise, masculine nouns and pronouns do not refer

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exclusively to men. The use or mention of any commercial or private organization's name or trademark and the organization's services and/or funds by the US Army does not express or imply an endorsement of the sponsor or its products and services by the US Army.

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Chapter 1

TECHNICAL INTELLIGENCE MISSION AND SUPPORT

GENERAL

This chapter describes the TECHINT mission, how it supports the warfighter, and presents TECHINT in a historical perspective. TECHINT results from the collection, evaluation, and analysis of foreign warfighting equipment and associated materiel. At the strategic level, the exploitation and interpretation of foreign weapons systems, materiel, and technologies is referred to as scientific and technical intelligence (S&TI). This S&TI covers—

- Foreign developments in basic and applied research and in applied engineering techniques.
- Scientific and technical (S&T) characteristics, capabilities, and limitations of all foreign military systems, weapons, weapon systems, and materiel.
- Research and development (R&D) related to these systems and the production methods employed for their manufacture.

MISSION

The TECHINT mission ensures that the warfighter has a clear understanding of the full technological capabilities residing in his opponent's equipment. With this knowledge, the warfighter adopts countermeasures, operations, and tactics, as necessary, to be successful in any assigned mission.

TECHINT SUPPORT TO THE WARFIGHTER

STRATEGIC LEVEL:

The US has relied on its military strength as a strategic deterrent to war. The strength of the US military lies, in part, to the diversity and extent of its technology base. While the US aspires to be the leader in integrating technology, the actual products are available to any buyer. An adversary can achieve temporary technological parity or advantage by acquiring modern systems or capabilities. The world arms market is willing to provide these advanced systems to countries or individuals with the resources to