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Intelligence

AIR FORCE TARGETING

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This instruction implements AFPD 14-1, *Air Force Intelligence Planning and Operations*. It defines Air Force targeting responsibilities and terms. Use this instruction with AFPAM 14-210, *USAF Intelligence Targeting Guide*. This instruction was prepared by the Targeting & Geospatial Data Applications Division, Headquarters 497th Intelligence Group, Air Intelligence Agency. To improve future editions of this instruction, users should submit comments, suggestions, and pertinent material for additions, changes, and deletions. Forward AF Form 847, **Recommendation for Change of Publication**, to: HQ 497 IG/INOT, 5113 Leesburg Pike, Suite 600, Falls Church VA 22041-3204. The use of names of any specific commercial product, commodity, or service in this publication does not imply endorsement by the Air Force.

SUMMARY OF REVISIONS

This document incorporates changes resulting from the recent reorganization at Headquarters United States Air Force (HQ USAF) and the corresponding changes in responsibilities of HQ USAF targeting offices. It also includes updated information on the targeting process to align with AFPAM 14-210. A bar (|) indicates revisions from the previous edition.

Section A—Responsibilities

- 1. Headquarters 497th Intelligence Group (HQ 497 IG).** Provides intelligence support to HQ USAF.
- 2. HQ 497 IG Targeting & Geospatial Data Applications Division (HQ 497 IG/INOT).** HQ 497 IG/INOT, on behalf of the Air Force Director of Intelligence, Surveillance, and Reconnaissance (HQ USAF/XOI), is the functional manager, responsible for the day-to-day management, administration, and requirements for Air Force targeting.

- 2.1. Coordinates with HQ USAF/XOI staff on targeting policy for promulgation and implementation, as directed.
- 2.2. In coordination with HQ USAF Applications and Production Division (HQ USAF/XOIIA), promotes standardization throughout the Air Force and Joint community for major targeting policy and guidance, databases, automated systems, and target materials.
- 2.3. Coordinates with HQ USAF/XOIIA intelligence and operations issues whose impact affects the overall targeting process. These issues include changes in plans, programs, resources, support initiatives, and technological advancements.
- 2.4. Sponsors the Air Force Targeting Conference to improve Air Force targeting and to promote the development and exchange of targeting ideas, doctrine, concepts, materials, and systems.
- 2.5. Represents HQ USAF/XOI and United States Air Force targeting community at procedural inter-agency and DoD conferences and functions. This includes the Military Target Intelligence Committee (MTIC), Targeting Issues Working Group (TIWG), Joint Targeting Automation Steering Group (JTASG), and Integrated Product Teams (IPTs).
 - 2.5.1. Serve as focal point for consolidated United States Air Force targeting requirements at Joint and Service targeting forums. This includes requirements related to target(ing): materials, databases, resources, automation tools, and technical reports.
- 2.6. Represents HQ USAF/XOI on the Joint Technical Coordinating Group for Munitions Effectiveness (JTTCG/ME) working groups, specifically the Air-to-Surface JMEM Users' Group/Operational Users' Working Group (OUWG.)
- 2.7. Provides targeting expertise to HQ USAF contingency planning and crisis operations.
- 2.8. Provides targeting expertise and defines requirements to HQ USAF force development process (weapon systems acquisition and munitions planning).
- 2.9. Provides functional expertise for Air Force targeting systems and resources. Develops and maintains Air Force Targeting Homepage available on INTELlink.
- 2.10. Provides subject matter expertise for reviewing requests to release target intelligence and target materials data.
- 2.11. Provides combat targeting subject matter expertise to the Utilization & Training Workshop (U&TW) and Training Planning Team (TPT) for both officer and enlisted intelligence career fields.
- 2.12. Provides expertise to MAJCOMs, Joint commands, and or Services on issues pertaining to Air Force targeting.
- 2.13. Reviews AFPAM 14-210, *USAF Intelligence Targeting Guide*, annually and updates document as needed.

3. HQ USAF Applications and Production Division (HQ USAF/XOIIA):

- 3.1. Represents HQ USAF/XOI at the DoD level for GDIP/NFIP, TIARA production and resources.
- 3.2. Develops, in coordination with HQ 497 IG/INOT, Air Force targeting policy, concepts and architectures.

3.3. Advises HQ 497 IG/INOT concerning plans, programs, resources, support initiatives, and technological advancements.

4. HQ USAF IO Force Development and ISR Plans Division (HQ USAF/XOI IF):

- 4.1. Acts as the Air Force intelligence functional manager for manpower, personnel, and training.
- 4.2. Tasks or coordinates issues pertinent to targeting whose potential impact would affect the overall discipline.
- 4.3. Coordinates manpower, personnel, and training issues for targeting with HQ 497 IG/INOT.
- 4.4. Convenes a TPT and or U&TW when appropriate to review targeting training curriculum and personnel utilization.

5. Major Air Command's (MAJCOM) Designated Office of Primary Responsibility (OPR):

- 5.1. Serves as focal point for targeting issues of concern to their command.
- 5.2. Develops command targeting policy, procedures, and priorities.
- 5.3. Provides HQ 497 IG/INOT with proposed agenda items or issues for the MTIC and TIWG when tasked.
- 5.4. Coordinates with HQ 497 IG/INOT on targeting issues requiring HQ USAF or HQ 497 IG support.
- 5.5. Coordinates command-sponsored systems development that either requires or supports the targeting process.
- 5.6. Provides command representation for the TPT and U&TW review of officer and enlisted combat targeting training curriculum and personnel utilization.

6. HQ Air Education and Training Command (HQ AETC):

- 6.1. Acts as the OPR for executing targeting training for the Air Force.
- 6.2. Hosts review of targeting training curriculum when convened by HQ USAF/XOIIF.
- 6.3. Develops training to satisfy validated MAJCOM training requirements at HQ USAF/XOIIF direction.

Section B—Air Force Targeting Process

7. Targeting Process. The Air Force targeting process is an analytical, systematic approach to focus and integrate intelligence efforts into the operational planning and force employment process, to meet the commander's objectives. The targeting process has six interactive phases, as outlined in AFPAM 14-210, *USAF Intelligence Targeting Guide*.

7.1. Objectives and Guidance. Key elements include:

- 7.1.1. This phase is the foundation of the targeting process by identifying what is to be achieved and under what conditions and parameters.

7.1.2. Objectives are developed at national, theater, and component-levels while national and CINC-levels provide guidance.

7.1.3. Both must be quantifiable and unambiguous.

7.2. Target Development. Critical functions include:

7.2.1. In-depth examination of potential target systems and components to determine change to system criticality and vulnerability to attack.

7.2.2. Generation of a candidate target list that doctrinally supports the commander's objectives and guidance with recommended priorities assigned and extent of damage desired.

7.3. Weaponeering Assessment. Key tasks include:

7.3.1. Determination of types and quantity of weapons estimated to achieve a desired level of damage to individual targets by evaluating target vulnerabilities, weapons effects and reliability, delivery accuracy and conditions, and damage criteria.

7.3.2. Generation of a recommended weapons and aircraft list, and a validated weapon impact points list for each target.

7.3.3. Utilization of JMEMs for conventional weapons calculations and DDB-2800-44-91, *Nuclear Weapons Employment and Effects: Myths and Facts*, for nuclear weapons calculations.

7.4. Force Application. Key elements include:

7.4.1. Determine optimum force mix necessary to meet operational objectives by using information generated in target development and weaponeering assessment phases.

7.4.2. Actively participate with operations, plans, legal, and intelligence in the Guidance, Apportionment, and Targeting (GAT) process to produce strike package nominations or taskings.

7.5. Execution Planning. Responsibilities include:

7.5.1. Preparation of input for and support actual tasking and subsequent execution by weapon systems. Input includes data concerning the target, weaponeering calculations, employment parameters, and tactics.

7.5.2. At the operational level:

7.5.2.1. Monitor execution of ATO/ITO and emerging battlespace activities. Recommend changes to ATO/ITO based on unfolding battlespace situation to ensure commander's objectives are met.

7.5.2.2. Coordinate ATO/ITO changes with ISR activities to ensure coverage for BDA.

7.5.2.3. Provide ATO/ITO changes (i.e., deleted targets) to target development process for follow-on consideration.

7.5.3. At unit level, targeting personnel perform mission planning functions and mission folder construction.

7.6. Combat Assessment (CA). Critical functions include:

7.6.1. Targeteers evaluating the combat operations effectiveness in achieving command objectives and recommending changes to tactics, strategies, objectives, and guidance. In conjunction

with A3/A5, provide the commander with combat assessment based on elements of Munitions Effectiveness Assessment (MEA), Battle Damage Assessment (BDA), and Mission Assessment (MA).

7.6.2. Use PC-8060-1-96, *Battle Damage Assessment (BDA) Quick Guide*, and the classified Working Draft, *Battle Damage Assessment (BDA) Reference Handbook*.

JOHN P. CASCIANO, Maj General, USAF
Director of Intelligence, Surveillance & Reconnaissance

Attachment 1

GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION

*References***NOTE:**

When utilizing this instruction, users are responsible for verifying the currency of the cited documents.

AFPD 14-1, *Air Force Intelligence Planning and Operations*

AFPAM 14-210, *USAF Intelligence Targeting Guide*

DDB-2800-44-91, *Nuclear Weapon Employment and Effects: Myths and Facts*

*61A1-1-1-1, *JMEM Air-to-Surface Weapon Effectiveness, Selection & Requirements (Basic JMEM A/S, Books 1 and 2 of 2)*

*61A1-1-1-1-1, *JMEM Air-to-Surface Weapon Effectiveness, Selection & Requirements (Basic JMEM A/S) Secret Supplement*

*61A1-2-14-1, *Radar Deliveries*

*61A1-2-15-1 through 4, *JMEM Air-to-Surface Visual Deliveries, (Volumes I-IV)*

*61A1-3-1, *JMEM Air-to-Surface Target Vulnerabilities (Books 1-4)*

*61A1-3-2, *JMEM Air-to-Surface Weapons Characteristics*

*61A1-3-3, *JMEM Air-to-Surface Delivery Accuracy*

PC-8060-1-96, *Battle Damage Assessment (BDA) Quick Guide*

Classified Working Draft, *Battle Damage Assessment (BDA) Reference Handbook*

Air Force Targeting Homepage Address (INTELink), <http://192.13.240.180/target/inothmpg.htm>

*Source for JMEM Publications:

JTCG/ME Publications Manager

OC-ALC/TILUB

7851 Arnold St Ste. 204

Tinker AFB OK 73145-9160

Abbreviations and Acronyms

ACC—Air Combat Command

AETC—Air Education and Training Command

AFM—Air Force Manual

AFPAM—Air Force Pamphlet

AFPD—Air Force Policy Directive

ATO—Air Tasking Order

BDA—Battle Damage Assessment
BEN—Basic Encyclopedia Number
CA—Combat Assessment
CINC—Commander in Chief
DIA—Defense Intelligence Agency
DMPI—Desired Mean Point of Impact
DoD—Department of Defense
GDIP—General Defense Intelligence Program
HQ—Headquarters
IG—Intelligence Group
IO—Information Operations
IPT—Integrated Product Team
ISR—Intelligence, Surveillance & Reconnaissance
ITO—Integrated Tasking Order
JMEM A/S—Joint Munitions Effectiveness Manual Air-to-Surface
JTASG—Joint Targeting Automation Steering Group
JTCG/ME—Joint Technical Coordinating Group for Munitions Effectiveness
MA—Mission Assessment
MAJCOM—Major Command
MEA—Munitions Effectiveness Assessment
MTIC—Military Target Intelligence Committee
NFIP—National Foreign Intelligence Program
OPR—Office of Primary Responsibility
OUWG—Operational User’s Working Group
TIARA—Tactical Intelligence And Related Activities
TIWG—Targeting Issues Working Group
TPT—Training Planning Team
U&TW—Utilization & Training Workshop
USAF—United States Air Force

Terms

NOTE:

The purpose of this glossary is to help the reader understand the terms used in this publication. It is not intended to encompass all pertinent terms. Joint Publication 1-02, *Department of Defense Dictionary of Military and Associated Terms*, 1 April 1997, and AFM 11-1, *Air Force Glossary of Standard Terms*, contain standardized terms and definitions for DoD and Air Force use.

Aimpoint—A point on the ground about which it is desired to center weapon impact(s) (DMPI) or a point on the ground desired for weapon impact (DPI).

Air Tasking Order—A document containing specific mission tasking and relevant data by unit and aircraft.

Combat Assessment—A continuing evaluation of the impact of combat operations on the overall campaign. Composed of three major components:

- a. **Battle Damage Assessment (BDA)**--A principle subordinate element of combat assessment. The timely and accurate estimate of damage to a target or target system resulting from the lethal or non-lethal application of military force. Composed of physical damage assessment, functional damage assessment, and target system assessment.
- b. **Munitions Effectiveness Assessment (MEA)**--Assessment of military force applied in terms of the weapon system and munitions effectiveness to determine and recommend any required changes to the methodology, tactics, weapon system, munitions, and or weapons delivery parameters to increase force effectiveness. Composed of munitions assessment, weapon system assessment, and tactics assessment.
- c. **Mission Assessment (MA)**--Addresses the effectiveness of a particular mission (OCA, INT, SA). Provides broad perspective of the impact and effectiveness of military operations waged against an adversary. While BDA and MEA address lethal force employment against individual target systems and weapons, MA evaluates the impact of assigned missions and apportionment.

Joint Munitions Effectiveness Manuals—A DoD publication series containing data and methodologies for conventional weaponeering.

Joint Targeting Automation Steering Group—Operates under the auspices of the MTIC, with a primary purpose of managing the development and sustainment of the Joint Targeting Toolbox.

Military Target Intelligence Committee—The senior-level leadership, advisory, coordination, and decision-making forum that serves to resolve joint targeting intelligence issues. Determines targeting requirements under the auspices of the Senior Military Intelligence Officers' Conference.

Target—

- a. A geographical area, complex, or installation planned for capture or destruction by military forces.
- b. In intelligence usage, a country, area, installation, agency, or person against which intelligence operations are directed.
- c. An area designated and numbered for future firing.
- d. In gunfire support usage, an impact burst which hits the target.

- e. A thing or place to be aimed at or hit.

Targeting—The process through which objectives are selected for attack and desired effects are determined based upon a stated mission, force posture and capabilities, aerospace doctrine, plans, concepts of operations, and target intelligence.

Target Materials—Graphic, textual, tabular, or other presentations of target intelligence primarily designed to support operations against designated targets by one or more weapons systems. Target materials are suitable for training, planning, executing, or evaluating such operations.

Targeting Issues Working Group—an advisory body to the MTIC, chartered to resolve issues, problems, requirements, and standards on future target material productions, storage and dissemination. Identify target material production capability shortfalls and coordinate target material production plans and programmatic action proposals. Identify production-related digital technology and undertake such efforts as directed by the MTIC.