BY ORDER OF THE
SECRETARY OF THE AIR FORCE

AIR FORCE MANUAL 99-120

11 MAY 2022

Test and Evaluation

FORECASTING AND PROGRAMMING
MUNITIONS TELEMETRY AND
FLIGHT TERMINATION SYSTEMS

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

This Air Force Manual (AFMAN) implements Department of the Air Force Policy Directive (DAFPD) 99-1, *Test and Evaluation*. This AFMAN is used in conjunction with DAFPD 10-9, *Lead Command/Lead Agent Designation and Responsibilities for United States Air Force Weapon Systems, Non-Weapon Systems, and Activities*; Air Force Instruction (AFI) 10-601, *Operational Capability Requirements Development and Validation*; AFI 63-101_20-101, *Integrated Life Cycle Management*; Department of Defense Instruction (DoDI) 5000.89_Department of the Air Force Instruction (DAFI) 99-103, *Capabilities-Based Test and Evaluation*; AFMAN 99-108, *Programming and Reporting Aerial Target and Missile Expenditures in Test and Evaluation*; Department of the Air Force Manual (DAFMAN) 21-201, *Munitions Management*; and AFMAN 11-212, *Requirements for Aircrew Munitions*. Also consult the 16-series, 33-series, and 99-series publications for additional test and evaluation (T&E) direction. This publication applies to the Regular Air Force (USAF), Air Force Reserve Command (AFRC), and Air National Guard (ANG) Units. This publication does not apply to the United States Space Force. The purpose of this AFMAN is to establish responsibilities, procedures and processes to forecast, prioritize, allocate, program, and fund munitions telemetry instrumentation kits (TIK) and flight termination systems (FTS) required to support live or inert testing. Specific annual forecasting instructions are included in the Peacetime Conventional Ammunition Requirements (PCAR) instructions provided by the Global Ammunition Control Point (GACP). AF/TE is the sole waiver authority for policies in this AFMAN, unless otherwise indicated.

Refer recommended changes and questions about this publication to the Office of Primary Responsibility (OPR) using the AF Form 847, *Recommendation for Change of Publication*; route AF Form 847 from the field through the appropriate functional chain of command to the Director of Test and Evaluation, Policy, Programs and Resources Division (AF/TEP) workflow (**AF.TEP.Workflow@us.af.mil**) or 1610 Air Force Pentagon, Washington, DC 20330-1610. This publication may be supplemented at any level, but all direct supplements must be routed to the OPR of this publication for coordination prior to certification and approval. The authorities to waive wing/unit level requirements in this publication are identified with a Tier ("T-0, T-1, T-2, T-3") number following the compliance statement. See DAFI 33-360, *Publications and Forms Management*, for a description of the authorities associated with the Tier numbers. Submit requests for waivers through the chain of command to the appropriate Tier waiver approval authority, or alternately, to the requestor's command for non-tiered compliance items. Ensure all records generated as a result of processes prescribed in this publication adhere to AFI 33-322, *Records Management and Information Governance Program*, and are disposed in accordance with the Air Force Records Disposition Schedule, which is located in the Air Force Records Information Management System.

SUMMARY OF CHANGES

The publication has been revised by expanding the roles and responsibility section, compliance statements that were tiered in accordance with DAFI 33-360, and updating source regulations, office symbols, processes, e-mail addresses, and references.

Chapter 1

OVERVIEW

1.1. Overview. The USAF has experienced a significant growth in the procurement and development of precision guided air-to-ground (A/G) and air-to-air (A/A) weapons. The increased range, complexity and lethality of these weapons requires the routine use of a munitions TIK, and/or FTS, during developmental test and evaluation (DT&E) and operational test and evaluation (OT&E), as well as during sustainment testing. This supports compliance with range safety policies and procedures that allow expenditures. It also assists with munition fault analysis during all phases of employment.

1.1.1. This manual affirms separate processes are used for requesting and receiving a munition asset, and requesting and receiving any required TIK/FTS. The latter must be worked separately with the weapon program office.

1.1.2. Successful implementation of this manual is incumbent upon close coordination between the Requirements and Acquisition communities, to include the test organizations and parent headquarters, aircraft and weapon Program Managers (PM), and applicable Headquarters Air Force (HAF) offices in identification of TIK/FTS requirements.

1.1.3. The significant costs of TIK/FTS necessitates that requirements are scrutinized and numbers validated at each level of review. The validation of TIK/FTS asset requirements used in developmental test occurs at the program office level, while OT&E resources are closely coordinated with the operational test agency (OTA) or operational test organization (OTO).

Chapter 2

ROLES AND RESPONSIBILITIES

2.1. Director, Operational Test and Evaluation (DOT&E). Determines, in coordination with Deputy Director, Developmental Test, Evaluation, and Assessments DD(DTE&A) and the Services, what programs are on T&E oversight for OT&E and live fire test and evaluation (LFT&E), which informs Tier 1 TIK/FTS resourcing/allocations (see AFMAN 99-108 for target allocation tiering hierarchy and tier descriptions).

2.1.1. DOT&E determines the adequacy of OT&E resources in a program's Test and Evaluation Master Plan (TEMP) which informs Tier 1 TIK/FTS resourcing/allocations.

2.1.2. DOT&E oversees the International T&E (IT&E) Program for the Secretary of Defense that approves activities authorized under international agreements for reciprocal use of ranges and resources, and cooperative T&E programs.

2.2. Deputy Director, Developmental Test, Evaluation, and Assessments (DD(DTE&A)). DD(DTE&A) determines, in coordination with DOT&E and Services, what programs are on T&E oversight for DT&E, which informs Tier 1 TIK/FTS resourcing/allocations.

2.2. 1. DD(DTE&A) determines the adequacy of DT&E resources in a program's TEMP which informs Tier 1 TIK/FTS resourcing/allocations.

2.3. Headquarters, U.S. Air Force, Director of Test and Evaluation (AF/TE), through the Policy, Programs and Resources Division (AF/TEP) will:

2.3.1. Monitor the TIK/FTS resourcing/allocation process and be responsible to the Chief of Staff of the Air Force (CSAF) for:

2.3.1.1. Managing T&E policy for the TIK/FTS resourcing/allocation process.

2.3.1.2. Advocating through SAF/AQPW for T&E TIK/FTS resources required to support weapons system development and sustainment.

2.3.2. Ensure TEMP and test plan TIK/FTS requirements are captured in the allocation process and executable.

2.3.3. Respond to and mediate USAF T&E TIK/FTS issues between HAF principals, MAJCOMs, USAF testers, the Services, DOT&E, and DD(DTE&A).

2.3.4. In coordination with AF/A5DW, review and validate all test war reserve materiel (WRM) missile/TIK/FTS expenditure requests.

2.3.5. Ensure procedures for forecasting and programming the A/A missile TIKs/FTSs are followed.

2.4. Principal Deputy Assistant Secretary of the Air Force Acquisition, Technology, and Logistics (SAF/AQ), through the Director, Global Power Programs (SAF/AQP) will:

2.4.1. Oversee all TIK/FTS acquisition functions within the USAF through the responsible weapon PMs and program element monitor (PEM).

2.4.2. In coordination with Air Force Materiel Command (AFMC), Air Combat Command (ACC), and AF/TE, develop and implement plans to ensure the USAF provides TIK/FTS resources to meet test requirements for the Service, if required.

2.5. Headquarters, U.S. Air Force, Deputy Chief of Staff, Strategy, Integration and Requirements (AF/A5), through the Weapons Requirements Division (AF/A5DW) will:

2.5.1. Forecast, approve and manage test munition expenditure allocations in accordance with AFMAN 11-212.

2.5.2. In coordination with AF/TEP, review, validate and resolve test TIK/FTS expenditures to ensure a TIK/FTS request is a valid T&E requirement.

2.5.3. Ensure procedures for forecasting and programming the A/A and A/G TIKs/FTSs under this AFMAN, in conjunction with AFMAN 11-212, are followed. **Note:** A5DW does not establish specific TIK/FTS requirements nor do they make recommendations on funding TIK/FTS; this is the sole responsibility of the testing organization.

2.6. Headquarters, Air Force Materiel Command (AFMC).

2.6.1. Unless MAJCOM Directorate-level activities are specified, MAJCOM-level coordination and authorizations for AFMC are accomplished by HQ AFMC/A3F. Example: AFMC/A3F will be responsible to receive and accomplish, any MAJCOM-level coordination required for the annual USAF Tactical Air Missile Program (TAMP) process.

2.7. Headquarters, Air Combat Command (ACC), will:

2.7.1. Through the Director of Plans, Programs and Requirements (HQ ACC/A5/8/9):

2.7.1.1. Coordinate test resource requests for munitions and TIK/FTS in accordance with AFMAN 11-212 and this AFMAN.

2.7.1.2. Through the Test and Training Division (HQ ACC/A5T) act as the HQ ACC/A5/8/9 single point for receipt of test plans, support plans, and test resource plans (TRPs) requesting munitions and associated TIK/FTS for test.

2.7.2. Through the Flight Operations Division (HQ ACC/A3TW) (Lead Command), which acts as OPR for Combat Air Forces (CAF) Plan 53, *Weapon Systems Evaluation Program (WSEP)*, that COMBAT ARCHER, HAMMER and SLEDGEHAMMER will fall under for munitions resourcing, with any associated TIK/FTS in accordance with AFMAN 11-212 and this AFMAN.

2.7.3. Through the Test Centers. Unless directed otherwise, ensure USAF Warfare Center (USAFWC) and ANG/AFRC Test Center (AATC) will:

2.7.3.1. Submit center munitions/aerial target requirements to include TIK/FTS in support of test and evaluations and the WSEP in accordance with AFMAN 11-212. **(T-1)**

2.7.3.2. Review and coordinate on test plans, test reports and test-related correspondence as required for programs on T&E oversight. **(T-1)**

2.7.3.3. Through the 53rd Wing and its subordinate units, execute the WRM munitions program with associated TIK/FTS on behalf of the test programs, and manage and provide TIK/FTS resources in accordance with this manual. **(T-1)**

2.8. Lead Command/Lead Agent will:

2.8.1. Advocate for and carry out T&E responsibilities for assigned weapon systems during their life cycle IAW DAFPD 10-9 to include advocating for test resources and support to OT&E and WSEP for participating units. **(T-1)**

2.8.2. Forecast, request and expend munitions/TIK/FTS in accordance with AFMAN 11-212 and this AFMAN.

2.8.3. Direct subordinate test agencies to develop and submit TIK/FTS requirements to the appropriate weapon PM for inclusion in the Program Objective Memorandum (POM). **(T-1)** MAJCOM requirements include any required TIK/FTS for force development evaluation (FDE), tactics development and evaluation (TD&E), WSEP, production acceptance test and evaluation (PAT&E), and other rapid acquisition programs.

2.8.4. Validate TIK/FTS requirements by subordinate test organizations, prior to submittal to PM. **(T-1)**

2.8.5. Submit TIK/FTS requirements to PM with sufficient lead-time (normally 18 months prior to receipt of funding) to account for TIK/FTS total production time and incorporation in appropriate POM submittal, and advocate support for TIK/FTS requirements in the POM. **(T-1)** Non-DT&E TIK/FTS requirements, such as described in **paragraph 2.5.2**, are identified separately from DT&E requirements to the appropriate agency in supporting documentation (i.e., one line for DT&E TIK/FTS requirements and one line for non-DT&E TIK/FTS requirements).

2.9. Air Force Operational Test and Evaluation Center (AFOTEC) will:

2.9.1. Provide TIK/FTS requirements to the supporting PM, and copies the Lead Command and Air Staff. AFOTEC requirements include, but are not limited to, TIK/FTS for initial operational test and evaluation (IOT&E), qualification operational test and evaluation (QOT&E), follow-on operational test and evaluation (FOT&E) and Multi-service Operational Test and Evaluation (MOT&E). **(T-1)**

2.9.2. Ensure that required assets are listed in the TRP. **(T-1)**

2.9.3. Coordinate the USAF portion of MOT&E resources for same, if USAF is not the lead OTA. **(T-1)**

2.10. USAF-Lead Joint Acquisition Programs: USAF-Led Joint Acquisition Programs will forecast target and missile/TIK/FTS allocations through USAF channels if the program requires munitions release using USAF aircraft over USAF ranges and against USAF targets. **(T-1)** Otherwise, follow other Service procedures to forecast TIK/FTS allocations.

2.11. Program Managers (PM) (Aircraft and Weapon program offices) will:

2.11.1. Develop program specific TIK/FTS requirements through coordination with test agencies and ranges to be used. **(T-1)** These requirements include TIK/FTS required for DT&E, LFT&E, lot acceptance test (LAT), qualification test and evaluation (QT&E), first article test (FAT), regression testing, AFOTEC-led test from **paragraph 2.9**, and MAJCOM-led test in **paragraph 2.6.1**.

2.11.2. Ensure POM submittals include validated requirements. **(T-1)** Non-DT&E TIK/FTS requirements, such as described in **paragraph 2.8.1**., are identified separately from DT&E

requirements to the appropriate agency in supporting documentation. (i.e., one line for DT&E TIK/FTS requirements and one line for non-DT&E TIK/FTS requirements).

2.11.3. Provide TIK/FTS cost data, as required. **(T-1)**

2.11.4. Provide TIK/FTS based on actual funding allocated for TIK/FTS. This includes support for TIK/FTS installation, checkout, post-mission data reduction, and   other required TIK/FTS support. **(T-1)**

2.11.5. Ensure that Chief Developmental Tester/Test Manager forms an integrated test team and determines WRM munition, and TIK/FTS requirements, if appropriate. **(T-1)**

2.11.6. For all AFMC conducted developmental test programs, the PM will include the requested WRM munitions and TIK/FTS in the appropriate TEMP. **(T-1)**

2.11.7. Coordinate with ACC/A5TT to ensure a SEEK EAGLE request (SER) for certification of all TIK/FTS required for test is submitted in accordance with AFI 63-101_20-101. **(T-1)**

2.11.8. Weapon program PMs will manage day-to-day operations and executions and will:

2.11.8.1. In coordination with SAF/AQ, establish and execute all necessary functions to develop, procure and sustain TIKs/FTSs to support USAF tests, and support DoD tests if directed. **(T-1)**

2.11.8.2. Review and coordinate on test plans, test reports, and test-related correspondence dealing with TIK/FTS requirements and allocations for programs on T&E Oversight. Where AFMC is involved, such programs are most routinely (but may not exclusively be) executed through Air Force Life Cycle Management Center (AFLCMC) and/or Air Force Test Center (AFTC). **(T-1)**

2.11.8.3. Have foreign military sales case managers bill a foreign government for TIK/FTS and associated items expended under this process. **(T-1)** Accomplish this through Air Education and Training Command's (AETC) Air Force Security Assistance Training Squadron, or through AFMC's Air Force Security Assistance Cooperation Directorate of AFLCMC, as specified by the case. **Note:** Comply also with AFMAN 16-101, *Security Cooperation (SC) and Security Assistance (SA) Management*, where it may factor for AFMAN 99-120 matters.

2.11.8.4. Coordinate through HQ AFMC/A3F for all AFMAN 99-120 matters (affecting AFMC) requiring MAJCOM-level engagement. **(T-1)**

2.11.9. Where **paragraph 2.11.8.2**. programs are managed through AFLCMC or Air Force Nuclear Weapons Center (AFNWC), the PM, chief developmental tester, or test manager will review and coordinate on test plans, test reports, and test-related correspondence dealing with TIK/FTS requirements and allocations for programs on T&E oversight. **(T-1)**

2.11.10. Where **paragraph 2.11.8.2**. programs are managed through AFTC, affected AFTC wings will support the responsible PM: review and coordinate on test plans, test reports, and test-related correspondence dealing with TIK/FTS target requirements and allocations for programs on T&E oversight. **(T-1)**

Chapter 3

PROGRAMMING AND FUNDING RESPONSIBILITIES

3.1. Through Initial Operating Capability (IOC). See **Table 1**.

3.1.1. This does not prevent program offices or MAJCOMs from making separate, temporary, documented funding agreements, if required. Any funding agreement(s) should be governed by the principle that whoever is driving the need for the test should program and fund TIK/FTS. However, in the absence of any documented agreement, use **Table 1**.

3.1.2. Upon distribution of annual FY budget, PMs will ascertain the quantity of   TIK/FTS that can be procured based on forecasted requirements and actual funding received. **(T-1)**

3.2. Beyond IOC. See **Table 2**.

3.2.1. For programs that require aircraft-weapon integration, if the integration test is a result of an aircraft change or upgrade, the aircraft program is responsible for programming and funding. If the integration test is the result of a weapon change or upgrade, the weapon program is responsible for programming and funding.

3.2.2. As a life cycle system cost for sustainment weapons testing after weapon IOC, the weapons PM, through lead command, programs and funds TIK/FTS in support of WSEP and LAT. Per **paragraph 3.2**1., this responsibility falls to either the weapon PM or aircraft PM in support of FDE and TD&E dependent upon the program driving the integration test need.

Table 1. Threshold/Objective Aircraft - Weapon Integration Programming and Funding Responsibilities Through IOC for TIK/FTS. (See Note 1).

THRESHOLD AIRCRAFT OR THRESHOLD WEAPON	
Aircraft/Weapon Category	**Program Responsible for Integration Funding**
New Weapon/Threshold Aircraft	**Weapon**
Weapon Upgrade/Threshold Aircraft	**Weapon**
New Aircraft/Threshold Weapon	**Aircraft**
Aircraft Upgrade/Threshold Weapon	**Aircraft**
Aircraft Upgrade Weapon Upgrade	**Weapon/Aircraft (See Note 2)**
OBJECTIVE AIRCRAFT OR OBJECTIVE WEAPON	

Aircraft/Weapon Category	Program Responsible for Integration Funding
New or Weapon Upgrade/Objective Aircraft	Weapon/Aircraft (See Note 2)
New or Aircraft Upgrade/Objective Weapon	Aircraft
Objective Aircraft/Objective Weapon	Aircraft
NOTES: 1. To read this chart: a. Select the category of weapon or aircraft (either threshold or objective) and go to the respective section of the chart. b. Find the specific circumstance of weapon and aircraft integration in the left column. c. The word aircraft or weapon in the column on the right specifies who has funding responsibility for the TIK/FTS. 2. Funding should be governed by the principle that whoever is driving the need for the test should program and fund TIK/FTS (except AFOTEC). 3. ACC/A5/8/9 generates capabilities documents and maintains operational requirements for fighter aircraft/weapon integration requirements. 4. Air Force Global Strike Command (AFGSC)/A8 generates capabilities documents and maintains operational requirements for bomber aircraft/weapon integration requirements.	

Table 2. Post IOC Programming and Funding Responsibilities for TIK/FTS

POST IOC WEAPON SPECIFIC TESTS	
Type Test	**Funding Responsibility**
WSEP	Weapon
FDE/TD&E	Weapon/Aircraft (see paragraph 3.3.1)
LAT	Weapon

Chapter 4

UNPLANNED TEST REQUIREMENT REQUEST

4.1. TIK or FTS acquisition. The acquisition of a A/A or A/G TIK/FTS normally takes a minimum of 18 months from the receipt of funding. In parallel with the annual requirements process, test agencies coordinate their A/A or A/G TIK/FTS requirements directly with the appropriate weapon PM, to include any out- year projections for major users, to avoid out-of-cycle requests (OOCR) inside the 18-month planning and execution cycle. **(T-1)**

4.1.1. Any agency requiring a A/A or A/G TIK/FTS not previously identified or funded in the annual requirements process will submit a request for the assets through their MAJCOM to the weapon program office. **(T-1)**

4.1.1.1. The requesting unit needs to identify the munitions type, item required (TIK/FTS), quantity, test type, MAJCOM, test organization, test program, funding program element (PE), justification/test reference specifics, and impact if not supported. The agency request must be signed at the Group level (O-6 or equivalent) with complete justification and need date. **(T-1)**

4.1.1.2. The MAJCOM or non-weapon program office user validates the requirement and determines if it is a "must fill" requirement; if so, the MAJCOM or non-weapon program office makes every effort to source required assets from within assets already on hand supporting programs under its oversight using same.

4.1.1.3. If assets cannot be sourced from within, the non-weapon program elevates the request through channels to the lead command for internal resourcing; and if still unavailable, to AF/A5DW with the most current A/A or A/G TIK/FTS status. AF/A5DW coordinates with AF/TEP and SAF/AQP to assess the impacts and source assets based on priority of all available A/A or A/G TIK/FTS.

4.1.1.4. AFOTEC will validate their own unplanned test requirement requests at the O-6 level and forward their requirements through the lead command to the weapon program office, or to AF/TEP directly, as appropriate. **(T-1)**

4.1.1.5. In all cases, if the request is supported, the support determination addresses reimbursement for the replacement cost of the A/A or A/G TIK/FTS from the appropriate agency or program.

4.2. Notification. AF/TEP notifies SAF/IA (Weapons Division) if reprioritization or allocation from other programs results in changes or delays to foreign test programs involving USAF munitions.

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Attachment 1

GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION

References

DAFPD 99-1, *Test and Evaluation,* 21 May 2021

DAFPD 10-9, *Lead Command/Lead Agent Designation and Responsibilities for United States Air Force Weapon Systems, Non-Weapon Systems, and Activities*, 25 May 2021

AFI 10-601, *Operational Capabilities Requirements Development and Validation*, 27 April 2021

AFI 63-101_20-101*, Integrated Life Cycle Management,* 30 June 2020

DoDI 5000.89_DAFI 99-103, *Capabilities-Based Test and Evaluation,* 9 December 2021

AFMAN 99-108, *Programming and Reporting Aerial Target and Missile Expenditures in Test and Evaluation,* 9 May 2018

DAFMAN 21-201, *Munitions Management,* 26 March 2019

AFMAN 11-212, *Requirements for Aircrew Munitions,* 25 June 2020

DAFI 33-360, *Publications and Forms Management,* 1 December 2015

AFI 33-322*, Records Management and Information Governance Program,* 23 March 2020

CAF Plan 53, *Weapon System Evaluation Program (WSEP)*, 30 May 2020

AFMAN 16-101, *Security Cooperation (SC) and Security Assistance (SA) Management*, 2 August 2018

CJCSI 5123.01I, *Charter of the Joint Requirements Oversight Council and Implementation of the Joint Capabilities Integration and Development System (JCIDS),* 30 October 2021

DoDD 5000.01, *The Defense Acquisition System*, 9 September 2020

Prescribed Forms

No forms are prescribed by this publication.

Adopted Forms

AF Form 847, *Recommendation for Change of Publication*

Abbreviations and Acronyms

A/A—Air-to-Air

A/G—Air-to-Ground

AATC—Air National Guard/Air Force Reserve Test Center

ACC—Air Combat Command

AETC—Air Education and Training Command

AFI—Air Force Instruction

AFGSC—Air Force Global Strike Command

AFLCMC—Air Force Life Cycle Management Center

AFMAN—Air Force Manual

AFMC—Air Force Materiel Command

AFNWC—Air Force Nuclear Weapons Center

AFOTEC—Air Force Operational Test and Evaluation Center

AFRC—Air Force Reserve Command

AFTC—Air Force Test Center

ANG—Air National Guard

CAF—Combat Air Forces

CJCSI—Chairman of the Joint Chiefs of Staff Instruction

CSAF—Chief of Staff of the Air Force

DAFI—Department of the Air Force Instruction

DAFPD—Department of the Air Force Policy Directive

DD(DTE&A)—Deputy Director, Developmental Test, Evaluation, and Assessments

DoDD—Department of the Defense Directive

DoDI—Department of the Defense Instruction

DOT&E—Director, Operational Test and Evaluation

DT&E—Developmental Test and Evaluation

FAT—First Article Test

FDE—Force Development Evaluation

FOT&E—Follow-on Operational Test and Evaluation

FTS—Flight Termination System

GACP—Global Ammunition Control Point

HAF—Headquarters Air Force

HQ—Headquarters

IOC—Initial Operational Capability

IOT&E—Initial Operational Test and Evaluation

IT&E—International Test and Evaluation

JCIDS—Joint Capabilities Integration and Development System

JDAM—Joint Direct Attack Munition

LAT—Lot Acceptance Test

LFT&E—Live Fire Test and Evaluation

MAJCOM—Major Command

MDA—Milestone Decision Authority

MOT&E—Multi-Service Operational Test and Evaluation

OOCR—Out-Of-Cycle Request

OPR—Office of Primary Responsibility

OT&E—Operational Test and Evaluation

OTA—Operational Test Agency

OTO—Operational Test Organization

P3I—Pre-Planned Product Improvement

PAT&E—Production Acceptance Test and Evaluation

PCAR—Peacetime Conventional Ammunition Requirements

PE—Program Element

PEM—Program Element Monitor

PM—Program Manager

POM—Program Objective Memorandum

QOT&E—Qualification Operational Test and Evaluation

QT&E—Qualification Test and Evaluation

SA—Security Assistance

SER—SEEK EAGLE Request

SC—Security Cooperation

T&E—Test and Evaluation

TAMP—Tactical Air Missile Program

TD&E—Tactics Development and Evaluation

TEMP—Test and Evaluation Master Plan

TIK—Telemetry Instrumentation Kit

TRP—Test Resource Plan

USAF—United States Air Force

USAFWC—United States Air Force Warfare Center

USSF—United States Space Force

WRM—War Reserve Materiel

WSEP—Weapon System Evaluation Program

Terms

Combat Air Forces (CAF)—A group of MAJCOMs comprised of ACC, AFGSC, ANG, AFRC, USAFE, and PACAF.

CAF Plan 53, *Weapon System Evaluation Program (WSEP)*—A plan, managed by ACC's 53 WG, that evaluates full spectrum combat capability in order to ensure air and space superiority versus near-peer adversaries. All combat evaluation programs, ARCHER, HAMMER, SHIELD, SLEDGEHAMMER, MACE and FORGE will be consolidated under a single "COMBAT WSEP" umbrella. COMBAT ARCHER evaluates A/A weapon systems; COMBAT HAMMER evaluates A/G weapon systems; COMBAT SHIELD assesses the combat readiness of specified electronic warfare equipment/infrared countermeasures; COMBAT SLEDEGEHAMMER evaluates the full spectrum of strategic bomber and tactical fighter air-delivered nuclear-tasked operational weapon systems; COMBAT MACE quantifies space weapon system effects for key stakeholders; and COMBAT FORGE evaluates the concurrency, fidelity, and interoperability of the CAF's Aircrew Training Devices.

Increment Weapon or Increment Aircraft—An update to an existing weapon or aircraft, such as an Operational Flight Program (OFP) change or pre-planned product improvement (P3I).

Objective Aircraft—All aircraft not designated as threshold by the appropriate Chairman of the Joint Chiefs of Staff Instruction (CJCSI) 5123.01, *Charter of the Joint Requirements Oversight Council and Implementation of the Joint Capabilities Integration and Development System (JCIDS)*, series capability document on which a weapon will be tested.

Objective Weapon—All weapons not designated as threshold by the appropriate CJCSI 5123.01 series capability document, which will be integrated onto an aircraft to form a weapon system and will be tested.

Program Manager (PM)—1. The designated individual with responsibility for and authority to accomplish program objectives for development, production, and sustainment to meet the user's operational needs. The PM is accountable for credible cost, schedule, and performance reporting to the Milestone Decision Authority (MDA) per DoDD 5000.01, *The Defense Acquisition System*. 2. Applies collectively to system program directors, product group managers, single managers, acquisition PMs, and   weapon system managers. Operating as the single manager, the PM has total life cycle system management authority.

Threshold Aircraft—The aircraft or group of different aircraft, as defined in the CJCSI 5123.01 series requirements documents, that defines the minimum for aircraft/weapon integration. This is (these are) usually the aircraft on which testing and integration occur first.

Threshold Weapon—The weapon(s), as defined in the CJCSI 5123.01 series requirements documents, that defines the minimum for aircraft/weapon integration. This is (these are) usually the weapon(s) on which testing and integration occur first.

Tier 1 TIK/FTS—TIK/FTS used in weapons to support Tier 1 target tiering defined in AFMAN 99-108. This is programs on Office of Secretary of Defense (OSD) Oversight (T&E Oversight) being tested by AFOTEC for OT&E, or AFMC for DT&E.