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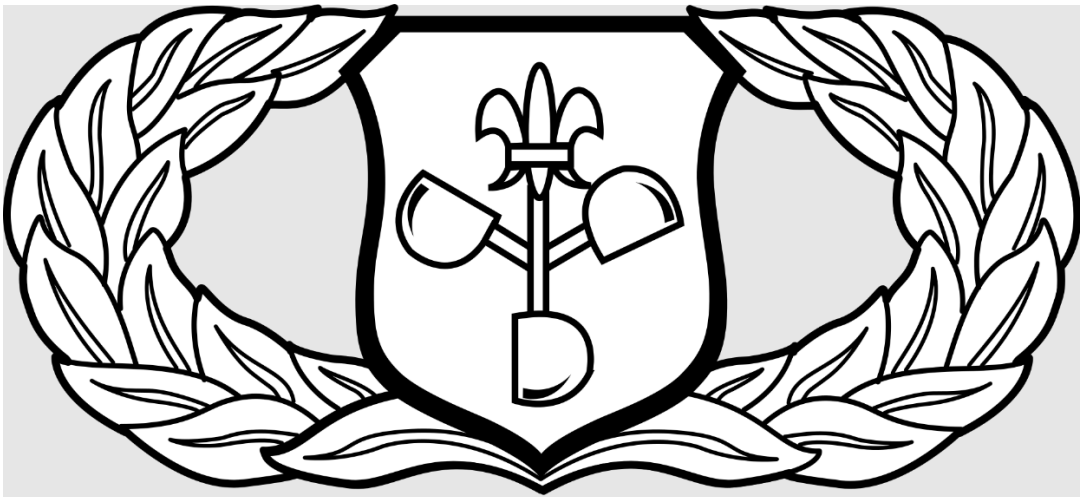

CAREER FIELD EDUCATION AND TRAINING PLAN

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CAREER FIELD EDUCATION AND TRAINING PLAN (CFETP)
WEATHER SPECIALTY
AFSC 1W0X1

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WEATHER SPECIALTY
AFSC 1W0X1
CAREER FIELD EDUCATION AND TRAINING PLAN

Part I

Preface

1. This CFETP is a comprehensive, multipurpose document encapsulating the entire spectrum of training for enlisted personnel. It outlines a logical growth plan that includes training support, resources, and minimum duty position certification requirements for a successful career path in the weather career field. These minimum duty position requirements also inform unit commander assessment of the mission readiness of assigned forces as reported in the Defense Readiness Reporting System (DRRS). The CFETP is the responsibility of the Enlisted Weather Career Field Manager as appointed and under the guidance/approval of the Weather Functional Manager (HQ AF/A3W Director of Weather). Functional managers, commanders, supervisors, and trainers use the CFETP to plan, manage, and control training within the career field. This document applies to active duty, guard, and reserve component personnel holding a 1W0X1 Primary AFSC. Note: IAW DAFMAN 36-2689, *Training Program*, civilians occupying associated positions use Part II to support duty position qualification training. This CFETP implements DAFMAN 36-2689, *Training Program*.

2. The CFETP consists of two parts:

2.1. Part I provides information necessary for the overall management of the 1W0X1 specialty. Section A, General Information, explains the uses of the CFETP. Section B, Career Progression and Information, explains career progression information, duties and responsibilities, training strategies, duty titles, and career path(s). Section C, Skill Level Training Requirements, associates each skill level with specialty qualifications (e.g., knowledge, education, training, and experience). Sections D and E cover resource restraint procedures and major training requirements or methods transitions.

2.2. Part II includes the following: Section A identifies the specialty training standard (STS) and includes duties, tasks, and training references (TRs) to support training, Air Education and Training Command (AETC) conducted training, and course requirements. Section B contains information on how to request the Course Objective List (COL) for AETC technical training courses. Section C identifies available support materials. Section D identifies training courses index supervisors can use to determine resources available to support training. Section E identifies major command (MAJCOM) unique requirements (if applicable). At the unit level, supervisors and trainers use Part II to identify, plan, and conduct training commensurate with the goals of this plan.

3. Using the guidance provided in the CFETP ensures individuals receive effective and efficient training at the appropriate point in their careers. It identifies potential career path opportunities based on the enlisted training path and includes career progression spanning all MAJCOMs. This plan enables the weather career field to train today's weather operators to be mission ready for current and future missions.

ABBREVIATIONS AND TERMS

Air Force Career Field Manager (AFCFM). A representative appointed by the respective HQ USAF Deputy Chief of Staff or Under Secretariat to ensure the AF trains and utilizes assigned AF specialties to support AF mission requirements. AFCFM is the Office of Primary Responsibility (OPR); however, works in concert with MAJCOM functional managers (MFMs) as required.

Air Force Enlisted Classification Directory (AFECD). Directory to identify requirements and the personnel qualified to fill those requirements. Provides AFSC qualifications and skill levels, and the minimum requirements necessary to reasonably predict success in the AFS.

Air Force Job Qualification Standard/Command Job Qualification Standard (AFJQS/CJQS). A comprehensive task list describing a particular job type or duty position. Supervisors use this to document task qualification. The AFJQS/CJQS tasks are common to all persons serving in the described duty position.

Air Force Specialty (AFS). A group of positions (with the same title and code) that require common qualifications (DAFMAN 36-2689).

Air Force Specialty Code (AFSC). A combination of numbers and alpha characters to identify an Air Force specialty. Officer Air Force specialty codes consist of four characters; enlisted Air Force specialty codes consist of five characters. Alpha prefixes or suffixes are used with the numerical codes when specific identification of position requirements and individual qualifications is necessary. Refer to AFMAN 36-2100 Military Utilization and Classification, Table 2.1, and Table 2.2 for the explanation of codes.

Blended Learning Course. Consists of online instruction or facilitation, combined with on-site training.

Task Certifier or Certifier. A person whom the commander assigns to evaluate and certify an individual's ability to perform a task to required standards. Are at least a SSgt-select with a 5-skill level or civilian equivalent and have completed the Air Force Training Course (DAFMAN 36-2689).

Community College of the Air Force (CCAF). An accredited institution where Air Force personnel can earn an associate degree corresponding to their AFS for portions of the military training they receive.

Distance Learning (DL). Structured learning that does not require the physical presence of the instructor (DAFMAN 36-2689).

Enlisted Development Team (eDT). Provides key input on functional progression and succession planning. They execute enlisted vectoring and identify key leadership and developmental positions in their functional communities. The CFM and eDT chair collaborate with AF/A1 and Air Force Personnel Center (AFPC) on enlisted force development and management programs (DAFI 36-2670).

Joint Weather Workshop (JWW). Forum where multi-service (Air Force, Navy, and Marines) subject matter experts (SME) determine career field training requirements and AETC training personnel identify resources to satisfy them. The process focuses on utilization issues and the development of STS line items. This is also used to draft, modify, or approve a CFETP.

Master Task List (MTL). A comprehensive list (100%) of tasks performed within a work center, consisting of the current CFETP or AFJQS and locally developed AF Forms 797 (as a minimum). Should include tasks required for deployment and/or UTC requirements (DAFMAN 36-2689).

Occupational Analysis (OA). Collecting and analyzing factual data on the tasks and/or knowledge performed by AF career fields. This data is used to provide personnel and training decision-makers with factual and objective job information which enables them to justify and/or change personnel utilization policies and programs, refine and maintain occupational structures, and establish, validate, and adjust testing and training programs (DAFMAN 36-2689).

Occupational Badge. When worn, the badge reflects the degree of experience and training in the career field. The following guidance will be followed for enlisted personnel: Wear the basic badge after completing technical school; wear the senior badge after award of the 7- skill level; and wear the master badge as a Master Sergeant or above with 5 years in the specialty from award of the 7-skill level.

Personnel Processing Code (PPC). A personnel code is used to identify the special requirements needed for an assignment to a specific duty location. They may include system-specific or special-purpose training enroute to an assignment.

Qualification Training (QT). Performance training designed to qualify an Airman who has transferred from one base or position to another specific position. The supervisor performs an initial evaluation that includes a review of all previously certified tasks checked against the newly assigned position's required tasks. Any tasks not previously completed are now required; this identifies that the member requires qualification training for the newly assigned duty position (DAFMAN 36-2689).

Readiness Training. Readiness training is designed to ensure personnel can provide UTC-specific weather capabilities and unit mission essential tasks in support of their assigned organization's wartime taskings. NOTE: Some wartime task training reliant on outside organizations (e.g., weapons qualification at AF installations) may not be available until tasked. Additional mission readiness training may be required for Army weather support personnel.

Specialty Training. The total training process used to qualify Airmen in their assigned specialty.

Specialty Training Requirement Team (STRT)/Utilization and Training Workshop (U&TW). Air Force career field managers use this forum and quality control tool to determine and manage career field education and training requirements (DAFMAN 36-2689).

Specialty Training Standard (STS). An AF publication describing an AFS in terms of tasks and knowledge an Airman may be expected to perform or to know. Also identifies the training provided to achieve a 3-, 5-, or 7-skill level within an AFS. It further serves as a contract between AETC and the functional user to show which of the overall training requirements for an AFSC are taught in formal schools and correspondence courses (DAFMAN 36-2689).

Standard. An exact value, a physical entity, or an abstract concept, the appropriate authority, custom, or common consent sets up and defines to serve as a reference, model, or rule in measuring quantities or qualities, developing practices or procedures, or evaluating results. A fixed quantity or quality (DAFMAN 36-2689).

Subject Matter Expert (SME). SMEs are individuals qualified to perform in a specialty and who possess the knowledge and skills to be considered an expert on a particular subject. In most instances, SMEs are NCOs with extensive training and background in their AFS.

Technical Order (TO). The Air Force Technical Order system provides clear and concise instructions for the safe and effective operation and maintenance of centrally acquired and managed Air Force military systems and end items. Equipment acquired from non-centrally managed vendors should also have guidance for the safe and effective use of the product. These instructions may be used as training resources.

Technical Training. Training in one or more of the tasks in an AFS description conducted in formal schools, field training detachments, and through organized on-the-job training programs. Distinguished from flying, basic military, and professional training. Formal or resident technical training is conducted in an officially designated course in accordance with appropriate course charts, training standards, and training objectives.

Total Force. All collective components (active, reserve, guard, and civilian elements) of the United States Air Force.

Trainer. A qualified person, recommended by the supervisor, who teaches personnel to perform specific tasks through On-the-Job Training (OJT) methods. May also refer to a piece of equipment or mock-up used for training purposes. All trainers must attend formal Air Force Training Course.

Training Record. The standard electronic documentation method for enlisted training in Air Force Weather. The Air Force training system of record is mandatory for use in the 1W0X1 AFS.

Training Setting. The type of forum in which training is provided (formal resident school, on-the-job, field training, mobile training team, self-study, etc.).

Upgrade Training (UGT). Upgrade training identifies the mandatory courses, task qualification requirements, correspondence course completion, and time requirements for the award of the 3-, 5-, 7-, and 9-skill levels as outlined in the DAFMAN 36-2689 and AFMAN 36-2100, *Military Utilization and Classification.*

Unit Type Code (UTC). A unique 5-character alphanumeric code that depicts a capability focused on accomplishing a specific mission. As utilized in the CFETP Part II, UTCs represent capabilities as identified by specific training standards.

Utilization and Training Pattern. A depiction of the training provided to, and the jobs performed by, personnel throughout their tenure within a career field or Air Force specialty. There are two types of patterns: 1) Current pattern, which is based on the training provided to incumbents and the jobs to which they have been and are assigned; and 2) Alternate pattern, which considers proposed changes in manpower, personnel, and training policies.

Section A - General Information

Purpose

1. This CFETP provides information necessary for AFCFMs, MFMs, commanders, training managers, supervisors, and trainers to plan, develop, manage, and conduct an effective career field training program. Additionally, it provides commanders information to assess the mission readiness of assigned Airmen. This plan outlines the training individuals in this AFS should receive in order to develop and progress throughout their careers. This plan identifies initial skills, upgrade, qualifications, continuation, advanced, and MAJCOM unique training. The CFETP:

1.1. Identifies task and knowledge training requirements for each skill level in the specialty and recommends education and training throughout each phase of an individual's career.

1.2. Lists training courses available in the specialty, identify sources of training, and provides the training method.

1.3. Identifies major resource constraints impacting the full implementation of the optimal career field training process.

1.4. Serves as a management tool to plan, manage, conduct, and evaluate a career field training program. Used by commanders and supervisors to identify training at the appropriate point in an Airman's career.

Use of the CFETP

2. AETC training personnel develop and/or revise formal resident, non-resident, field, and exportable training based on requirements documented in Part II of this CFETP. They work with the AFCFM to develop acquisition strategies for obtaining resources needed to provide the identified training. Requirements are established by results of U&TW or STRT of the career field and are recommended to the CFM for implementation.

2.1. MFMs ensure their training programs meet the intent and standards of the CFETP mandatory initial, upgrade, and proficiency requirements. Resident training, OJT, contract training, or exportable courses can satisfy identified requirements. Some MAJCOM-unique training to support these AFSCs is listed in the CFETP Part II.

2.2. Every individual completes the mandatory training requirements specified in this plan based on skill level. Use the list of courses in the CFETP Part II as a reference to support training.

Training Documentation

3. Training documentation validates the status of training and task qualification and is required for all garrison and deployed locations. Documentation also helps leaders assess mission capabilities and readiness and ensures operational requirements are met with fully qualified Airmen. Unit training managers will create and maintain a training records for all weather personnel, E-8 and below, who function in a duty position that requires PQ or are assigned to fill UTC requirements.

3.1. Include the following in training documentation:
- 3.1.1. CFETP.
- 3.1.2. Air Force Job Qualification Standard (JQS)
- 3.1.3. DAF Form 797, *JQS Continuation/Command JQS*

3.1.4. DAF Form 1098, *Special Task Certification and Recurring Training*
3.1.5. DAF Form 623, *Individual Training Record Folder*
3.1.6. DAF Form 623 Part II, Upgrade Training Progression
3.1.7. DAF Form 623A, *On-the-Job Training Record Continuation Sheet*
3.1.8. DAF Form 623 Part III, Formal Training
3.1.9. DAF Form 803, *Report of Task Evaluations*

Coordination and Approval

The AFCFM is responsible for the CFETP on behalf of the approval authority. The AFCFM will conduct an annual review of this document to ensure the currency and accuracy IAW DAFMAN 36-2689. MFMs will identify career field training requirements and coordinate resolution with the AFCFM. The AFCFM and MFM(s) will use the list of courses in Part II to eliminate duplicate training.

Section B - Career Progression and Information

Specialty Description

1. Specialty Summary. IAW AFECD: Performs and manages the collection, analysis, and forecast of atmospheric weather and space environmental conditions to enable decision superiority and application of land, air, space, and cyberspace power across the full spectrum of military operations.

1.1. Collect, analyze, and integrate atmospheric and space environmental information into military decision-making processes.

1.2. Observe, record, and transmit surface, upper air, and space environment observations.

1.3. Operate atmospheric and space-sensing instruments and computer workstations to interrogate data from weather radars, meteorological equipment and satellites, and products provided by the military, national, and international weather agencies.

1.4. Use a detailed understanding of the atmosphere and space environment to translate raw data into decision-quality environmental information.

1.5. Issue advisories, watches, and warnings to alert users of dangerous, inclement, or operationally significant terrestrial and space weather events.

1.6. Understand warfighter tactics, techniques, and procedures to maximize air, space, and cyberspace combat power. Utilizes weather tactics, techniques, and procedures to integrate weather information into the decision-making process at all levels to mitigate and exploit weather impact on operations.

1.7. Manage weather operations, ensure quality, and adapt resources to meet mission requirements.

1.8. Develop and coordinate weather related plans and policy, ensuring personnel are trained, equipped, and available to perform the assigned mission.

Skill and Career Progression

2. Continuous training and timely progression from the apprentice to the Senior Enlisted Leader levels are vital to the Air Force's ability to accomplish its mission. All personnel involved in

training must do their part to plan, manage, and conduct an effective training program. This section explains how enlisted weather personnel typically expand their responsibilities, receive training at appropriate points in their career, and progress to each skill level. There is no minimum time in training requirement to upgrade to a 5 or 7-skill level. Time in training requirements are determined by the Air Force Career Field Manager and maintained within the 1W CFETP.

2.1. **Apprentice, 3-Skill Level**. Individuals are awarded a 3-skill level upon completion of the Weather Forecaster Apprentice Course, at Keesler AFB, MS. Apprentices work directly with a qualified trainer(s) to enhance task skills and knowledge. Trainers and supervisors use standardized training plans and positional qualification training (consisting of the STS and local Master Task List) to systematically train newly assigned apprentices. The primary task of apprentices is to complete all career development course requirements and certify on all duty-position tasks to attain position qualification to become certified to work at a 5-skill level in designated positions across the weather enterprise. Apprentices improve their understanding of duty position competencies. All ARC (ANG and AFRC) 1W031 personnel must complete ANGWRTC 010 (Weather Applications Course) immediately following Initial Skills Course (ISC) for qualification and upgrade training before awarding of the 5-skill level.

2.2. **Journeyman, 5-Skill Level.** Journeymen are typically assigned to Air Operation Centers (AOC), Operational Weather Squadrons (OWS), Combat Weather Squadrons (CWS), Weather Squadrons, Weather Flights (WF), detachments (Det), and instructor duty. They perform a wide range of duties depending on the unit of assignment. Journeymen eventually serve as trainers and supervisors in addition to performing the technical tasks of the career field. Journeymen exploit training opportunities and continue to refine their technical skills. They participate in continuation training programs to broaden their technical expertise. Journeymen should strive to complete the academic requirements for a CCAF Associate Degree in Meteorology or an associate degree through an accredited third-party institution. Journeymen enter 7-skill level upgrade on the first day of the promotion cycle following their selection for SSgt. (Reserve Component Journeymen enter 7-skill level upgrade status upon assuming the grade of SSgt).

2.3. **Craftsman, 7-Skill Level**. Craftsmen assume increasing supervisory and management responsibilities in addition to performing the technical tasks of the career field. They may be assigned worldwide to any organizational level, including MAJCOM and higher headquarters staff positions. They provide technical leadership to subordinates and ensure they meet Air Force standards. They manage and adapt the use of weather resources to meet mission requirements. Craftsmen schedule personnel for routine duties, severe weather duties, mission standby, and training. They assume a vital mentorship responsibility and provide a clear vision of career choices and progression to enlisted weather personnel. Craftsmen increase technical expertise through job experience, formal courses, OJT, and online training. Craftsmen complete formal continuation training courses as needed to perform their duties. They complete all Professional Military Education (PME) IAW DAFI 36-2670. The Enlisted Joint PME (EJPME) Phase I & II courses, continued academic education through CCAF, and civilian institutions are encouraged.

2.4. **Superintendent, 9-Skill Level**. Upon promotion to SMSgt, individuals are eligible for the upgrade to the 9-skill level and may fill a Superintendent or Senior Enlisted Leader (SEL) position. Superintendents or SELs provide leadership, technical oversight, and functional management, and supervise Craftsmen and Journeymen. They evaluate and apply core competencies to enhance unit capabilities and communicate those capabilities to supported

customers. They interact with other SNCOs and represent their organization to base agencies. They acquire and manage resources and adapt operations to meet mission requirements. They oversee the scheduling of personnel, operations, and facilities. They develop leadership and management skills in subordinate personnel and ensure compliance with AF standards. Superintendents and SELs assume a vital mentorship responsibility, train subordinates in the art of mentorship, and provide a clear vision of career choices and progression to enlisted personnel. Superintendents assigned to MAJCOMs and higher organizations manage programs to ensure current and future capability to meet Air Force and DoD requirements. Superintendents and SELs increase their expertise through job experience and by utilizing all available training resources. They develop skills that contribute to effective coordination, allocation of resources and tailoring of weather operations to meet mission requirements. Courses in areas such as budget, manpower, resources, information technology, and personnel management are useful. EJPME Phase II Course and Joint Force Operations courses will greatly expand a superintendent's or SEL's ability to lead and manage their operations. Additional higher education is encouraged.

2.5. **Weather Chief Master Sergeant**. The Weather Manager code (1W000) is awarded upon selection to CMSgt. For the award of AFSC 1W000, qualification in and possession of AFSC 1W091 is mandatory. CMSgt(s) must be well versed in scheduling personnel, providing technical and enlisted force structure leadership, mentorship, training, tailoring unit capabilities, and managing weather resources to meet mission requirements. CMSgt(s) lead the enlisted force, develop policy and procedures, and manage programs and resources to ensure weather operations meet current and future mission requirements. They perform staff duties as Functional or Operations Managers. CMSgt(s) provide technical and operational leadership and advise senior officers on the development and utilization of the enlisted force. They supervise Superintendents and Craftsmen, counsel and mentor subordinates, and provide a clear vision of career choices and progression to enlisted weather personnel. They develop leadership, management, and mentorship skills in subordinates. They interact with other CMSgt(s) and represent their organization and career field to everyone they meet. Upon selection to CMSgt, they attend Chief Master Sergeant Leadership Course (CLC). They increase their expertise through job experience, interaction with other Chief Enlisted Managers (CEM), and by utilizing all available training resources. They are expected to take the initiative to obtain needed training, for example, Staff Officer courses, organizational seminars, computer-based training, and distance learning. Additional higher education is encouraged.

Training Decisions

3. The CFETP uses a building block approach (simple to complex) to encompass the entire spectrum of training requirements for the 1W AFS. The spectrum includes a strategy for when, where, and how to meet the training requirements. The strategy must be apparent and affordable to reduce duplication of training and eliminate a disjointed approach to training. A U&TW and/or STRT, usually held at Keesler AFB, MS, shapes the decisions contained within this CFETP.

Community College of the Air Force

4. This program provides the opportunity to earn an Associate Degree in Meteorology. CCAF automatically enrolls BMT graduates entering the weather career field in this program. Refer to the CCAF Student Handbook and Guidance at https://www.airuniversity.af.edu/Barnes/CCAF for the latest information on requirements. In addition to its Associate Degree program, CCAF offers the following:

4.1. CCAF Instructor Certification (CIC). For qualified instructors who teach CCAF collegiate-level credit-awarding courses at a CCAF-affiliated school. The CIC program consists of three specific levels of achievement. Once an instructor leaves CCAF instructor duty, they are no longer eligible for the CIC. To obtain more information, refer to the CCAF Campus Affiliations Policies and Procedures Guidelines.

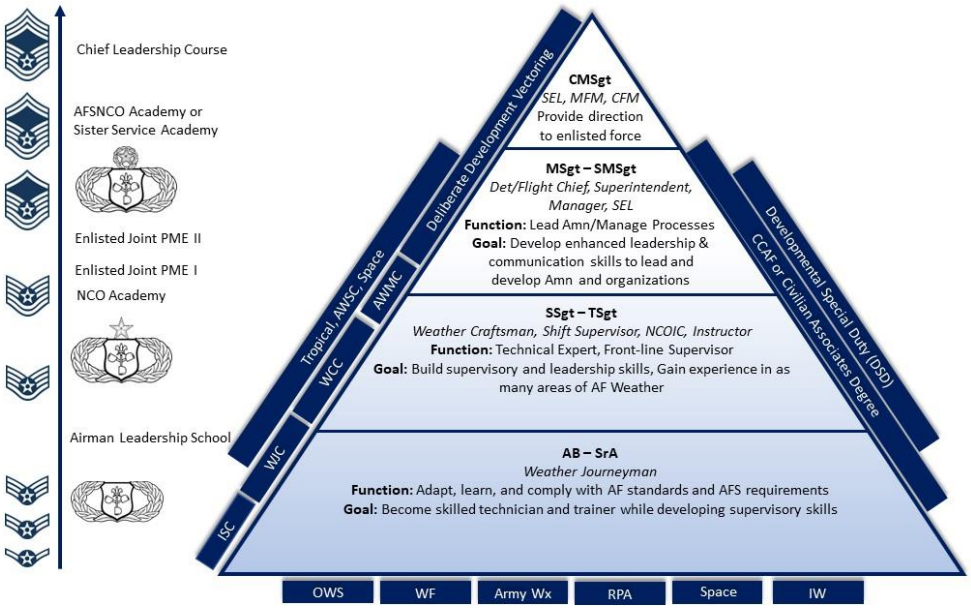
4.2. Degree Requirements. The Meteorology degree program (8FYY) applies to the 1W0XX AFSCs. The ISC graduate should contact the local education office for the latest information on semester hours earned for completing the Weather Forecaster Apprentice Course.

4.3. Additional off-duty education is a personal choice encouraged for all. Individuals desiring to become an AETC Instructor should be actively pursuing an associate degree. A degreed faculty is necessary to maintain accreditation through the Southern Association of Colleges and Schools.

4.4. Air Force Credentialing Opportunities On-Line (AF COOL). One-stop for Airmen to explore civilian credentialing opportunities that can enhance performance in their current AFS and help prepare for civilian employment. There are certain grade/specialty restrictions. For information, visit https://afvec.us.af.mil/afvec/af-cool/welcome.

4.5. Professional Affiliations and Fraternal Organizations. The Air Force recognizes the importance of and supports associations with professional organizations as a vital tool in continuing education and professional development. Such affiliations offer tangible benefits in leadership, networking, team-building, communication, community service, and career enhancement. Some examples related to the Weather career field are the American Meteorology Society (AMS), the Air Weather Association, and the Grey Beret Association.

Enlisted Weather Career Path



5. The Weather career field has a diverse range of supported mission sets which can take enlisted Airmen down various career paths. Thus, career progression will look different for each Airman. The image above provides a general framework on timelines of PME and weather-specific training that Airmen should expect during certain phases of their careers.

5.1. Deliberate development of the weather enlisted force is realized through the guidance, direction, and execution of the 1W Functional Advisory Council (FAC) and eDT. Through the FAC and eDT, 1W career field leadership executes progression and succession planning to ensure sufficient personnel and skill sets are available to accomplish the mission. Progression planning is designed to technically develop Airmen in the grades of E-1 through E-6. Succession planning will take place at grades E-7 and E-8 with the goal to develop 1W SNCOs with the requisite training, education, and experience needed to fill Key Development Positions (KDP) and Key Leadership Positions (KLP) within the career field.

5.2. Deliberate Development Boards (DDB) are executed by the eDT to evaluate SNCO records and assign vectors to provide a pool of highly qualified personnel for future assignment into KDPs and KLPs across the 1W enterprise. For a detailed explanation of the FAC, eDT, and DDB processes, reference the 1W Enlisted Development Team Charter, which can be found through Weather Squadron or MAJCOM Functional chains.

5.3. Advanced Weather Management Course Parts 1-3 (E6AAW1W071 0A1A, E6AAL1W071 0A2A, E3AAR1W071 0A3A) are mandatory for TSgt(s) and MSgt(s) assigned to and/or projected to assume Flight Chief or Detachment Chief leadership positions.

6. Approved Enlisted Weather Duty Titles.

Unit	E9	E8	E7
Air Staff	1W AFCFM	Deputy, 1W CFM	Manager, (Program)
MAJCOM	1W MFM	AFPC Functional Manager Manager, (Branch or Program)	Manager, (Program)
NAF or Equivalent		Manager, (Program)	Manager, (Program)
Wing / Group	Senior Enlisted Leader	Superintendent, (Function)	Superintendent, (Function)
Squadron	Senior Enlisted Leader	Senior Enlisted Leader [1] Operations Superintendent[1]	Operations Superintendent [1] NCOIC, Standards/Assessment
Det	Chief, ANG (Function)	Senior Enlisted Leader[1] Det Superintendent (ANG) Instructor, Supervisor (ANG)	Det Chief [1] Section Chief [1] NCOIC (Function)[2]
Flight	Chief, ANG (Function) SEL, OWF (AFRC)	Flight Chief [1] Flight Superintendent (ANG) Flight Manager (ANG/AFRC)	AOC/Flight Chief [1] Shift Supervisor [3]
AETC Training Squadron		Squadron Senior Enlisted Leader [1] Flight Chief [1]	Instructor, Weather Instructor, Supervisor Curriculum Development Manager
Unit	E6	E5	E4
Wing, Group Squadron	NCOIC (Function) [2]	NCOIC, (Function) [2]	
Det/Flight	NCOIC, (Function) [2] Shift Supervisor [3]	NCOIC, (Function) [2] Shift Supervisor [3]	
AETC Training Squadron	Instructor, Weather Instructor, Supervisor Wx Curriculum Developer	Instructor, Weather	

Note: All deviations require FAC approval (submitted through MAJCOM Functional to the AFCFM), AFCFM maintains Master List.

1. Must be a SNCO
2. NCOIC Functions and Limitations:
   - 2.1. (OWS, 2WS only) Wx Ops. Must be certified in this duty position
   - 2.2. (Army Spt only) Corps/Division/Aviation/BCT/ASCC/Airfield Wx Services (1 per airfield)
   - 2.3. (RPA & Mission Design Series (MDS) Spt only), Mission Wx Integration (1 per MDS)
   - 2.4. (OSS, WF only), Airfield Wx Services (1 per airfield)
3. OWS and 23 SOWS. Must be certified in this Duty position

Section C - Skill Level Training Requirements

Purpose

1. Skill-level training requirements are defined in terms of task and knowledge requirements. This section outlines the specialty qualification requirements for each skill level and establishes the mandatory requirements for entry, award, and retention of each skill level. The Air Force minimum standards for skill level upgrade are in DAFMAN 36-2689. The specific task and knowledge training requirements for AFW personnel are identified in Part II, Sections A and B of this CFETP. Waiver authority for mandatory requirements is the Director of Weather or appointed delegate.

Specialty Qualifications

2. The AFECD, contains knowledge, education, and experience for entry, upgrade, and retention in the 1W career field. Additionally, baseline physical and security requirements are defined within the AFECD.

Section D – Resource Restraints.

1. If a unit has resource restraint that will prevent their ability to comply with the UTC training requirements established by this CFETP, they should work through their training managers and MFMs to process a waiver request IAW DAFMAN 36-2689.

2. Due to the lack of Mission Oriented Protective Posture (MOPP) Gear, units are only required to certify on CBRN tasks prior to mobilization to a location with these requirements outlined on their reporting instructions.

Section E – Transition Training Guide

There are currently no transition training requirements. *This area is reserved*.

Section F – CBRN Task Qualification Training (TQT) Requirements

1. Unit Commanders will ensure Airmen are trained on the ability to execute CBRN wartime tasks identified in the applicable CFETP and STS IAW DAFI 10-2501, *Emergency Management Program.*

2. Airmen will complete TQT while wearing MOPP-4 Chemical Warfare Defense Equipment during their pre-deployment prepare phase based on force readiness reporting requirements and mission requirements; or at a minimum of every 18 months. Commanders and Unit Training Managers will identify CFETP task selection based on their unit's mission, the individual's assigned UTC, and MAJCOM-specific or locally directed requirements. Work centers that identify additional TQT tasks are required to document additional tasks in the member's training records. Additional tasks can be annotated in the 1098 or 623a sections of the member's training record. See DAFI 10-2501 for exemptions to this training requirement.

3. Unit Commanders that are required to document training status in DRRS will document the status of TQT using the Chemical Biological Defense Readiness Training (CBDRT) reporting tool in accordance with AFI 10-201, Chapter 8.

Section G – Mission Ready Airmen Criteria

1. Military or Civilian Airman must complete position qualification training, including unit mission essential tasks identified by the Unit Training Manager (UTM) and postured Unit Type Code (UTC) training requirements (when applicable).

2. Airman must have completed technical school training (e.g., cross trainees), skill level upgrade training commensurate with grade and applicable Ready Airman Training (RAT) tier requirements. In the commander's judgment, the Airman is sufficiently trained to perform assigned mission(s).

Part II

Section A - Specialty Training Standard (STS)

Implementation

1. The STS lists subject areas, tasks, and training references, and outlines proficiency requirements for training provided by agencies.

1.1. The STS is also a guide for the development of promotion tests used in the Weighted Airman Promotion System (WAPS). Specialty Knowledge Tests (SKT) are developed at the USAF Occupational Measurement Squadron by SNCOs with extensive practical experience in their career fields. The tests sample knowledge of STS subject areas judged by test development team members as most appropriate for promotion to higher grades. WAPS is not applicable to the Air National Guard or the Reserves.

1.2. When removed from the CFETP and placed in an individual's OJT records, the STS serves as a Job Qualification Standard (JQS). An AFJQS may be used in lieu of the CFETP Part II upon approval of the AFCFM. A Command or Army Support JQS may be used in addition to the CFETP Part II upon coordination/approval with the AFCFM.

Purpose

2. As prescribed in DAFMAN 36-2689, the STS:

2.1 Lists Tasks, Knowledge, Equipment, and Technical References - The most common tasks, knowledge, equipment, and technical references (TR) necessary for Airmen to perform duties at the 3-, 5-, and 7-skill levels in the AFS. It identifies the source(s) of training or information for each task and knowledge training requirement.

2.2 Task certifier initials are required for UTC tasks.

2.3 Proficiency Codes - Show the knowledge and proficiency to be demonstrated by the trainee as a result of in-residence initial skills technical training and upgrade training courses, if applicable. See Attachment 1: Proficiency Code Key.

Recommending Changes or Improvements. Recommendations, comments, and improvements are invited concerning the quality of AETC Training. A Customer Service Information Line

(CSIL) has been installed for the supervisors' convenience. For a quick response to concerns call our CSIL at DSN 312-597-4566, or fax us at DSN 312-597-3790 or e-mail us at 81trg.tget@us.af.mil.

Reference this CFETP/STS and identify the specific area of concern (paragraph, training standard element, etc.)

BY ORDER OF THE SECRETARY OF THE AIR FORCE

PATRICK C. WILLIAMS, Col, USAF
Director of Weather

OFFICIAL

Attachments:

1. Qualitative Requirements - Proficiency Code Key
2. Unit Type Code (UTC) Master Training Plan (MTP) – Reference Part II STS for specific tasks

***Note*:** Units will utilize the UTC(s) as duty positions in the training record to create task lists for qualification and certification training standards. When combined with the applicable local tasks, these will make up a unit's Master Task List (MTL). In units with unique mission sets with no assigned UTC, tasks associated with the unit's mission essential task list and applicable local tasks will be used to build its MTL. Additionally, these units' duty positions/titles will correspond to those approved by the CFM and listed in Part I of this CFETP. All duty positions must have task lists identified and assigned in order to create standardized training and accomplish required documentation IAW DAFMAN 36-2689.

Attachment 1: Qualitative Requirements

PROFICIENCY CODE KEY		
	SCALE VALUE	DEFINITION: The individual
TASK PERFORMANCE LEVELS	1	Can do simple parts of the task. Needs to be told or shown how to do most of the task. (EXTREMELY LIMITED)
	2	Can do most parts of the task. Needs only help on the hardest parts. (PARTIALLY PROFICIENT)
	3	Can do all parts of the task. Needs only spot check of completed work. (COMPETENT)
	4	Can do the complete task quickly and accurately. Can tell or show others how to do the task. (HIGHLY PROFICIENT)
TASK KNOWLEDGE LEVELS	a	Can name parts, tools, and simple facts about the task. (NOMENCLATURE)
	b	Can determine step-by-step procedures for doing the task. (PROCEDURES)
	c	Can identify why and when the task must be done and why each step is needed. (OPERATING PRINCIPLES)
	d	Can predict, isolate, and resolve problems about the task. (ADVANCED THEORY)
SUBJECT KNOWLEDGE LEVEL	A	Can identify basic facts and terms about the subject. (FACTS)
	B	Can identify relationship of basic facts and state general principles about the subject. (PRINCIPLES)
	C	Can analyze facts and principles and draw conclusions about the subject. (ANALYSIS)
	D	Can evaluate conditions and make proper decisions about the subject. (EVALUATION)

EXPLANATIONS

*A task knowledge scale value may be used alone or with a task performance scale value to define a level of knowledge for a specific task (Examples: b and 1b).

**A subject knowledge scale value is used alone to define a level of knowledge for a subject not directly related to any specific task, or for a subject common to several tasks.

NOTE 1: Airmen are required to maintain the grade-appropriate skill level proficiency, as well as positional qualification based on locally developed requirements and UTC requirements, if applicable.

NOTE 2: Section 22 of the STS are standard CBRN task qualification training (TQT) line items. If these do not apply to your unit, document all applicable CBRN TQT tasks identified by your commander in the 1098 or 623a sections in the individuals training record.

Section B – Course Objective List

A detailed listing of AETC technical training course objectives may be obtained by written request to the 335 TRS/TRR at Keesler AFB MS.

Section C - Support Materials

The following list of support materials is not all-inclusive; it covers the most frequently referenced areas.

Weather-Related Training Materials.

1. Some of the materials referenced in the STS refer to pages at our OWSs, weather schoolhouse, 14th Weather Squadron, and other federal government agencies and universities.

1.1. Cooperative Program for Meteorology, Education, and Training (COMET®).

1.1.1. COMET® is a cooperative program within the University Corporation for Atmospheric Research, sponsored by the National Weather Service.

1.2. Soldiers Manual of Common Tasks (SMCT) Warrior Skills Level 1. The SMCT is an Army manual containing the warrior skills that all Soldiers must be able to perform and information on how to perform and evaluate the tasks. Airmen assigned to Army support units must also maintain proficiency in the STS-referenced common Soldier skills. The SMCT is a tool that can be used by supervisors and commanders performing Army support to maintain proficiency in the common Soldier skills after initial training at Army Weather Support Course (AWSC).

Section D - Training Course Index

Purpose

1. This section of the CFETP identifies training courses available for the AFS and shows how the courses are used by each MAJCOM in their career field training programs. Refer to the Education and Training Course Catalog (ETCA) at https://usaf.dps.mil/teams/app10-etca for courses.

1.1. In-Residence Courses

COURSE NUMBER	TITLE	LOCATION	REMARKS
E8ABR1W031 0A1C	Weather Forecaster Apprentice Course	Keesler AFB MS	1W0X1 AFSC Awarding 3-lvl course
E6AAW1W071 0A1A	Advanced Weather Management Course Part 1	Managed at Keesler AFB, MS	Not required for ANG Virtual
E6AAL1W071 0A2A	Advanced Weather Management Course Part 2	Managed at Keesler AFB, MS	Not required for ANG TDY-in-place
E3AAR1W071 0A3A	Advanced Weather Management Course Part 3	Keesler AFB, MS	Not required for ANG In-residence
L5AZA1XXXX 0A1A	Airborne Parachutist	Ft Benning, GA	J1W0X1
S-V88-AL[1]	Evasion and Conduct After Capture (ECAC)	Joint Base San Antonio-Lackland, TX	See note 1
S-V97-A	Advanced SERE Skills Training	Fairchild AFB, WA	
S-V87-A	Arctic Survival Training	Eielson AFB, AK	
E5OSA15W3 0A1A [2]	Army Weather Support Course	Ft Huachuca, AZ	See note 2
E6AAL1W071 0S1A	Space Weather Support Course Part 1	Managed at Keesler AFB, MS	Virtual
E3AAR1W071 0S2A	Space Weather Support Course Part 2	Keesler AFB, MS	In-residence

1.2. Exportable Courses

COURSE NUMBER	TITLE	LOCATION	REMARKS
E6OZW15W3 0A1A	Tropical Weather Analysis and Forecasting (Distance Learning Course)	Managed at Keesler AFB, MS	Virtual

1.3. AETC and Air University Courses

COURSE NUMBER	TITLE	LOCATION	REMARKS
E6ANW1W051 00AA	Weather Journeyman Course (WJC)	Unit/On-site Managed at Keesler AFB, MS	Managed on current Enterprise Blended Learning System (EBLS)
E6ANW1W071 00AA	Weather Craftsman Course (WCC)	Unit/On-site Managed at Keesler AFB, MS	Managed on current Enterprise Blended Learning System (EBLS)

1.4. Section E - MAJCOM Unique Requirements

COURSE NUMBER	TITLE	LOCATION	REMARKS
ANGWRTC-010 [3]	ANG Weather Applications Course	Camp Blanding, FL	ARC (AFRC and ANG) Fulfills requirements for WJC See note 3
ANGWRTC-011 [4]	ANG Weather Manager Course	Camp Blanding, FL	Fulfills the ANG requirement for WCC See note 4
L5AZA1XXXX 0A0A	Airborne Jumpmaster	Fort Benning, GA	
L5AZA1XXXX 0F1A	Military Freefall Parachutist	Yuma, AZ	
NSSI-ITS-DL	Introduction to Space - DL https://nssi.spaceforce.mil	Online	
MSPACE 100DL	Space 100 https://nssi.spaceforce.mil	Online and In-residence	Locations alternate

Notes:

1. **Advanced Weather Management Course (AWMC)**: A formal blended learning course for operational weather leadership supporting Air Force, Army, and Space Force units that includes a self-paced learning section, interactive learning, and culminates with an in-residence capstone. This course is mandatory for TSgt(s) and MSgt(s) assigned to and/or projected to assume Flight Chief or Detachment Chief leadership positions.

2. **Evasion and Conduct After Capture (ECAC):** Trains personnel in tactics, techniques, procedures (TTP), and equipment that enhances evasion, resistance, and escape prospects, in any hostile environment. This course is mandatory for all Airmen, regardless of rank, projected for their first Army support assignment and is a one-time requirement. J1W0X1 personnel are required to attend S-V97A and S-V98A. If a J1W0X1 has not completed these courses prior to being tasked for deployment, they will attend S-V88-AL (ECAC)

3. **Army Weather Support Course (AWSC)**: This training is conducted at Fort Huachuca, AZ., and includes task familiarization of basic Soldier skills and the Military Decision Making Process (MDMP) for enlisted and officer personnel. AWSC provides Airmen assigned to Army units with similar combat survival skills to their Army counterparts and enables them to provide weather effects in a battlefield environment alongside the Soldiers they support. The course is a mandatory requirement for weather officers and enlisted (E8 and below) projected for their first Army weather support assignment or reassignment after a six-year lapse from last course attendance or last Army weather support assignment. An individual with previous AWSC completion may request a waiver from their gaining MAJCOM Functional Manager (MFM) (T-2). All National Guard weather personnel, regardless of rank, projected for their first Army weather support assignment or reassignment after a six-year lapse from last course attendance or last Army weather support assignment will attend the current version of the AWSC.

4. **ANG Weather Applications Course**: The ANG Weather Applications Course (WAC) is mandatory for: (A) All ARC (ANG & AFRC) 1W031 personnel immediately following the graduation of Weather Forecaster Apprentice (E8ABR1W031 0A1C) initial skills course (ISC) and concurrently completing the Weather Journeyman Course (E6ANW1W051 00A); (B) All ANG weather 1W0X1 awarded personnel who have not been assigned to a Weather Flight/Detachment while serving on active duty i.e., USAF airmen assigned to an OWS only; (C) Navy or Marine Corps weather personnel gained into the ANG program. This course prepares the trainee to perform operational mission scale weather tasks preparing and delivering pertinent weather information to the combatant commander. Course material includes weather observing, briefing techniques, mission execution forecast process, weather flight operations, and practical weather skills training. Students are trained to use current weather weapon systems and communications.

5. **ANG Weather Manager Course**: Provides a forum for weather managers to receive and share the tools and knowledge necessary for the effective management of ANG weather assets. This course overviews the duties and responsibilities of commanders, officers, and senior NCOs in all areas of weather team management. Areas of discussion include Command and Leadership, Inspection Process, Operations, Mobilization/Mobility, Training, Financial Management, Information Management, Supply and Equipment Management, Communications/Computer Systems, Air Force/Army structure, and additional duties.

Attachment 2 – MTP UTC

XWB0S / XWB01	XWMAF	XWA0C	MDS (3F-Series)	MDS (3B-Series)	RQS	CR - 7E1A1/7E1A2	ISR (Manned)	CBRN TQT
4.2.1	2.2	2.2	2.2	2.2	2.1	2.2	2.2	22.1
4.8.2	4.5.1	4.8.2	4.15.1	4.15.1	2.2	4.1.1	4.8.2	22.2
4.15.1	4.7.1	4.15.1	4.16.1	4.16.1	4.1.2	4.1.2	4.14	22.3
4.16.1	4.8.2	4.16.1	4.17.1	4.17.1	4.1.3	4.6.3	4.15.1	
4.17.1	4.15.1	4.17.1	5.1	5.1	4.7.2	4.6.4	4.16.1	
5.1	4.16.1	5.1	5.2.2	5.2.2	4.9.1	4.6.5	4.17.1	
5.2.2	5.1	5.2.1	7.3.1.1	7.3.1.1	4.12	4.7.2	5.1	
6.2.1.1	5.2.1	5.2.2	7.3.1.2	7.3.1.2	4.15.1	4.8.1	5.2.2	
6.2.1.2	5.2.2	7.4	7.3.1.3	7.3.1.3	4.16.1	4.8.2	6.2.5	
6.2.1.3	5.2.3	7.5	7.4	7.4	5.1	4.9.1	6.2.6	
6.2.1.4	6.2.1.1	8.4	7.6.1	7.6.1	5.2.2	4.13	7.2	
6.2.2	6.2.1.2	9.2.1	7.6.2	7.6.2	6.2.5	4.14	7.3	
6.2.5	6.2.1.3	9.2.2	7.6.3	7.6.3	7.2	4.15.1	7.4	
6.2.6	6.2.1.4	9.2.3	9.2.1	9.2.1	7.3	4.16.1	7.6.1	
7.3.1.1	6.2.2	9.2.5	9.2.2	9.2.2	7.4	4.5.1	7.6.2	
7.3.1.2	7.3.1.1	9.2.6	9.2.3	9.2.3	7.6.1	4.7.1	7.6.3	
7.3.1.3	7.3.1.2	9.2.7	9.2.5	9.2.5	7.6.2	4.8.2	8.3	
7.4	7.3.1.3	9.2.8	9.2.6	9.2.6	7.6.3	4.15.1	9.2.1	
7.6.1	7.4	9.5	9.2.7	9.2.7	8.3	5.1	9.2.2	
7.6.2	7.5	10.1.2	9.2.8	9.2.8	9.2.1	5.2.2	9.2.3	
7.6.3	7.6.1	10.1.3.1	9.3.1	9.3.1	9.2.2	6.2.1.1	9.2.5	
8.3	7.6.2	10.2.1	9.3.2	9.3.2	9.2.3	6.2.1.2	9.2.6	
8.4	7.6.3	10.2.2	9.5	9.5	9.2.5	6.2.1.3	9.2.7	
9.2.1	8.4	10.2.3.1	9.6	9.6	9.2.6	6.2.1.4	9.2.8	
9.2.2	9.2.1	10.2.3.2	10.1.2	10.1.2	9.2.7	6.2.2	9.3.1	
9.2.3	9.2.2	10.2.4	10.1.3.2	10.1.3.1	9.2.8	6.2.5	9.3.2	
9.2.4	9.2.3	10.2.5	10.2.1	10.2.1	9.3.1	6.2.6	9.5	
9.2.5	9.2.5	10.2.8	10.2.2	10.2.2	9.3.2	7.2	9.6	
9.2.6	10.1.1	11.2.2.1	10.2.3.1	10.2.3.1	9.5	7.3	10.1.2	
9.2.7	10.1.2	11.2.2.2	10.2.3.2	10.2.3.2	9.6	7.3.1.1	10.1.3.1	
9.2.8	10.1.3.1	13.4.2.2	10.2.4	10.2.4	10.1.2	7.3.1.2	10.1.3.2	
9.4.1	10.1.3.2	13.4.5.1	10.2.5	10.2.5	10.1.3.1	7.3.1.3	10.2.1	
9.4.2	10.2.1	13.7.2	10.2.8	10.2.8	10.1.3.2	7.4	10.2.2	
9.5	10.2.2	13.8.2	11.2.2.2	11.2.2.2	10.2.1	7.6.1	10.2.3.1	
9.6	10.2.3.1	13.11.3.2	13.4.2.2	13.4.2.2	10.2.2	7.6.2	10.2.3.2	
10.1.1	10.2.3.2	13.13.1	13.4.5.1	13.4.5.1	10.2.3.1	7.6.3	10.2.4	
10.1.2	10.2.4	13.13.2	13.7.2	13.7.2	10.2.3.2	8.4	10.2.8	
10.1.3.1	10.2.5	13.19	13.8.2	13.8.2	10.2.4	9.2.1	10.2.12	
10.2.1	10.2.9	13.2	13.11.3.2	13.11.3.2	10.2.8	9.2.2	11.2.2.1	
10.2.2	11.2.2.1	14.1.1	13.19	13.19	10.2.9	9.2.3	11.2.2.2	
10.2.3.1	11.2.2.2	14.2.2.1	13.20	13.20	10.2.12	9.2.5	12.1.3	
10.2.4	13.1	14.2.3.1	14.1.1	14.1.1	11.2.2.1	9.2.6	13.4.2.2	
10.2.5	13.2.1	14.2.4.1	14.2.2.1	14.2.2.1	11.2.2.2	9.2.7	13.4.5.1	
10.2.8	13.3.3	14.2.5.1	14.2.9.1	14.2.4.1	12.1.3	9.2.8	13.7.2	
11.2.2.1	13.4.2.2	14.2.6.1	14.3.14	14.2.9.1	12.1.4	9.3.2	13.8.2	
13.4.2.2	13.4.5.1	14.2.9.1	14.10.1	14.3.14	13.4.2.2	9.5	13.11.3.2	
13.4.5.1	13.4.6	14.3.14	14.10.2	14.6.1	13.4.5.1	9.6	13.19	
13.7.2	13.7.2	14.4.9	14.11	14.10.1	13.7.2	10.1.1	13.20	
13.8.2	13.8.2	14.4.10	14.12.1	14.10.2	13.8.2	10.1.2	14.1.1	
13.11.3.2	13.9.2	14.4.11	14.17	14.11	13.11.3.2	10.1.3.1	14.2.2	
13.13.1	13.11.3.2	14.4.12	14.18	14.12.1	13.15	10.1.3.2	14.2.2.1	
13.13.2	13.12.1	14.4.13	14.19	14.17	13.18	10.2.1	14.2.4.1	

13.19	13.12.2	14.10.1	15.1	14.18	13.19	10.2.2	14.2.5.1
13.20	13.13.1	14.10.2	15.4	14.19	13.20	10.2.3.1	14.4.13
14.1.1	13.13.2	14.11	18.3.2	15.1	14.1.1	10.2.3.2	14.6.1
14.3.14	13.19	14.12.1	19.1.1	15.4	14.2.2.1	10.2.4	14.10.1
14.4.1	13.20	14.18		18.3.2	14.2.4.1	10.2.8	14.10.2
14.4.2	14.1.1	15.1		19.1.1	14.2.6.1	11.2.2.1	14.11
14.4.5	14.2.2.1	15.3			14.2.8.1	11.2.2.2	14.17
14.4.6	14.3.1	15.4			14.3.14	13.4.2.2	14.18
14.4.7	14.3.2	18.3.2			14.4.3	13.4.5.1	14.19
14.10.1	14.3.3	19.1.1			14.4.12	13.7.2	15.1
14.10.2	14.3.4				14.4.13	13.8.2	15.4
14.11	14.3.5				14.6.1	13.11.3.2	18.3.2
14.18	14.3.6				14.7	13.19	19.1
15.1	14.3.7				14.10.1	13.2	19.1.1
15.3	14.3.8				14.10.2	14.1.1	
15.4	14.3.9				14.11	14.2.1.1	
19.1.1	14.3.10				14.12.1	14.2.2.1	
	14.3.11				14.13	14.3.14	
	14.3.12				14.18	14.4.1	
	14.3.13				14.19	14.4.2	
	14.3.14				15.1	14.4.4	
	14.4.1				15.4	14.4.5	
	14.4.2				16.4	14.4.6	
	14.4.3				16.5	14.4.7	
	14.4.4				18.3.2	14.6.1	
	14.4.5				19.1	14.10.1	
	14.4.6				19.1.1	14.10.2	
	14.4.7					14.11	
	14.4.12					14.17	
	14.4.13					14.18	
	14.10.1					14.19	
	14.10.2					15.1	
	14.11					15.4	
	14.17					18.3.2	
	14.18					19.1.1	
	15.1						
	15.2						
	15.3						
	15.4						
	18.1.5						
	18.3.2						
	18.4.1						
	19.1.1						

AWS Aviation	AWS EAC	AWS Maneuver	AWS HQ	ANG CR	ANG RPA (Unmanned)
4.1.1	4.1.1	4.1.1	4.1.1	2.1	2.2
4.1.2	4.1.2	4.1.2	4.1.2	4.1	4.5.1
4.1.3	4.1.3	4.1.3	4.1.3	4.1.1	4.7.1
4.2.1	4.2.1	4.2.1	4.2.1	4.1.2	4.8.2
4.8.2	4.8.2	4.8.2	4.7.1	4.1.3	4.12
4.15.1	4.9.2	4.15.1	4.8.2	4.2.1	4.15.1
4.16.1	4.9.3	4.16.1	4.15.1	4.7.2	5.1
4.17.1	4.9.4	4.17.1	4.16.1	4.8.2	5.2.1
5.1	4.14	5.1	4.17.1	4.9.1	5.2.2
5.2.2	4.15.1	5.2.2	5.1	4.13	5.2.3
6.2.1.1	4.16.1	6.2.2	5.2.2	4.15.1	6.2.1.1
6.2.1.2	4.17.1	6.2.5	7.4	5.1	6.2.1.2
6.2.1.3	5.1	6.2.6	7.5	5.2.1	6.2.1.3
6.2.1.4	5.2.2	7.4	8.4	5.2.2	6.2.1.4
6.2.2	7.2	7.6.1	9.2.1	5.2.3	6.2.2
6.2.5	7.3	7.6.2	9.2.2	6.2.1.1	7.4
6.2.6	7.5	7.6.3	9.2.3	6.2.1.2	7.5
7.3.1.1	8.3	9.2.1	9.2.5	6.2.1.3	7.6.2
7.3.1.2	8.4	9.2.2	9.2.6	6.2.1.4	7.6.3
7.3.1.3	10.2.5	9.2.3	9.2.7	6.2.2	8.4
7.4	11.2.2.1	9.2.4	9.2.8	6.2.5	9.2.1
7.6.1	13.4.2.2	9.2.5	9.5	6.2.6	9.2.2
7.6.2	13.4.5.1	9.2.6	10.1.2	7.2	9.2.3
7.6.3	13.7.2	9.2.7	10.1.3.1	7.3	9.2.5
9.2.1	13.8.2	9.2.8	10.2.1	7.3.1.1	9.2.6
9.2.2	13.11.3.2	9.5	10.2.2	7.3.1.2	9.2.7
9.2.3	13.19	9.6	10.2.3.1	7.3.1.3	9.2.8
9.2.4	13.20	10.1.1	10.2.3.2	7.4	9.5
9.2.5	14.1.1	10.1.2	10.2.4	7.5	10.1.1
9.2.6	14.2.1.1	10.1.3.1	10.2.5	7.6.1	10.1.2
9.2.7	14.2.2.1	10.1.3.2	10.2.8	7.6.2	10.1.3.1
9.2.8	14.2.3.1	10.1.4	11.2.2.1	7.6.3	10.2.1
9.5	14.2.5.1	10.2.1	11.2.2.2	7.7.2	10.2.2
9.6	14.2.6.1	10.2.2	13.4.2.2	7.7.6	10.2.3.1
10.1.1	14.2.8.1	10.2.3.1	13.4.5.1	8.4	10.2.4
10.1.2	14.2.9.1	10.2.3.2	13.7.2	9.2.1	10.2.8
10.1.3.1	14.3.14	10.2.4	13.8.2	9.2.2	11.2.2.1
10.1.3.2	14.10.1	10.2.5	13.11.3.2	9.2.3	11.2.2.2
10.1.4	14.10.2	10.2.8	13.19	9.2.5	12.1.3
10.2.1	14.17	11.2.2.1	13.20	9.2.6	13.1
10.2.2	14.18	11.2.2.2	14.1.1	9.2.7	13.2.1
10.2.3.1	15.3	13.4.2.2	14.2.1.1	9.2.8	13.3.3
10.2.3.2	15.4	13.4.5.1	14.2.2.1	9.3	13.4.2.2
10.2.4	18.2	13.7.2	14.2.3.1	9.3.1	13.4.5.1
10.2.5	18.3.3	13.8.2	14.2.5.1	9.3.2	13.4.6
10.2.8	18.3.4	13.11.3.2	14.2.6.1	9.5	13.7.2
11.2.2.1	18.3.5	13.19	14.2.8.1	9.6	13.8.2
11.2.2.2	18.3.6	13.20	14.2.9.1	10.1.1	13.9.2
13.4.2.2	19.1.1	14.1.1	14.3.14	10.1.2	13.11.3.2
13.4.5.1	20.1	14.2.1.1	14.10.1	10.1.3.1	13.12.1
13.7.2	20.2.1	14.2.2.1	14.10.2	10.1.3.2	13.12.2
13.8.2	20.2.1.1	14.2.9.1	14.11	10.2.1	13.13.1
13.11.3.2	20.2.1.2	14.3.14	14.17	10.2.2	13.13.2
13.13.1	21.1	14.10.1	14.18	10.2.3.1	13.15

13.13.2	21.1.1	14.10.2	15.1	10.2.3.2	13.19
13.19	21.1.2	14.11	15.3	10.2.4	13.20
13.20	21.1.3	14.12.1	15.4	10.2.8	14.1.1
14.1.1	21.1.4	14.17	18.3.2	10.2.9	14.2.3.1
14.2.1.1	21.1.5	14.18	19.1.1	11.2.2.1	14.2.5.1
14.2.2.1	21.1.6	15.1	20.1	11.2.2.2	14.3.1
14.2.3.1	21.1.7	15.3	20.2.1	13.1	14.3.2
14.2.5.1	21.1.8	15.4	20.2.1.1	13.2.1	14.3.3
14.2.6.1	21.1.9	18.3.2	20.2.1.2	13.3.3	14.3.4
14.2.8.1	21.1.10	19.1.1	21.1	13.4.2.2	14.3.5
14.2.9.1	21.1.11	20.1	21.1.1	13.4.5.1	14.3.6
14.3.14	21.1.12	20.2.1	21.1.2	13.4.6	14.3.7
14.4.1	21.1.13	20.2.1.1	21.1.3	13.7.2	14.3.8
14.4.2	21.1.14	20.2.1.2	21.1.4	13.8.2	14.3.9
14.4.3	22.2.1	21.1	21.1.5	13.9.2	14.3.10
14.4.4	22.2.2	21.1.1	21.1.6	13.11.3.2	14.3.11
14.4.5	22.2.3	21.1.2	21.1.7	13.12.1	14.3.12
14.4.6	22.2.4	21.1.3	21.1.8	13.12.2	14.3.13
14.4.7	22.2.5	21.1.4	21.1.9	13.13.1	14.3.14
14.10.1		21.1.5	21.1.10	13.13.2	14.4.1
14.10.2		21.1.6	21.1.11	13.19	14.4.2
14.11		21.1.7	21.1.12	13.20	14.4.3
14.12.1		21.1.8	21.1.13	14.1.1	14.4.5
14.17		21.1.9	21.1.14	14.2.1.1	14.4.6
14.18		21.1.10	21.2.1	14.2.2.1	14.4.7
15.1		21.1.11	21.2.2	14.2.4.1	14.4.12
15.4		21.1.12	21.2.3	14.2.6.1	14.5
18.3.2		21.1.13	21.2.4	14.2.8.1	14.7
19.1.1		21.1.14	21.2.5	14.3.1	14.10.1
20.1		21.2.1		14.3.2	14.10.2
20.2.1		22.2.2		14.3.3	14.11
20.2.1.1		22.2.3		14.3.4	14.18
20.2.1.2		22.2.4		14.3.5	15.1
21.1		22.2.5		14.3.6	15.2
21.1.1				14.3.7	15.3
21.1.2				14.3.8	15.4
21.1.3				14.3.9	18.1.5
21.1.4				14.3.10	18.3.2
21.1.5				14.3.11	18.4.1
21.1.6				14.3.12	19.1
21.1.7				14.3.13	19.1.1
21.1.8				14.3.14	
21.1.9				14.4.1	
21.1.10				14.4.2	
21.1.11				14.4.5	
21.1.12				14.4.6	
21.1.13				14.4.7	
21.1.14				14.4.11	
21.2.1				14.4.13	
21.2.2				14.6.1	
21.2.3				14.10.1	
21.2.4				14.10.2	
21.2.5				14.11	
				14.13	
				14.18	
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				15.1	
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				16.4	
				16.5	
				18.1.5	
				18.2	

18.3.2
18.3.3
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21.1.12
21.1.13
21.1.14
21.2.1
21.2.2
21.2.3
21.2.4
21.2.5

1. Tasks, Knowledge and Technical References	2. Certification For OJT					3. Proficiency Codes Used to Indicate Training/Information Provided via ICW and/or course			
	A	B	C	D	E	A	B	C	D
	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl
1. AIRMAN CAREER LADDER									
1.1. Air Force Weather Organizational Structure Air Force Doctrine TR: Air Force Doctrine 3-59, DAFMAN 15-129						-	-	A	-
1.2. Joint Meteorological & Oceanographic (METOC) structure TR: Joint Publication 3-59						-	A	B	-
1.3. Duties of Weather Airman TR: Air Force Doctrine 3-59						-	A	B	-
2. SECURITY									
2.1. Communications Security (COMSEC) TR: AFPD 17-1, AFI 10-701						-	-	-	-
2.2. Specific OPSEC Vulnerabilities of AFSC 1W0X1 TR: AFI 10-701						-	-	B	-
3. SAFETY									
3.1. Hazards of AFSC 1W0X1 TR: AFPD 91-2, DAFI 91-202, DAFI 32-2001						-	B	-	-
3.2. AFOSH standards applicable for AFSC 1W0X1 TR: AFPD 91-2						-	-	-	-
4. OPERATIONS AND ADMINISTRATION									
4.1. Weather Integration into Operations (e.g., Exercises, Contingencies, Daily Operations) TR: DAFMAN 15-129						-	-	-	-
4.1.1. Planning (e.g., OPLAN)						-	A	B	-
4.1.2. Execution (e.g., WARNORD, EXORD, OPORD)						-	A	B	-
4.1.3. Post-Execution (e.g., Lessons Learned/After Actions Report) TR: DAFMAN 15-129, AFI 10-1302						-	A	B	-
4.2. Elements of a Staff Weather Brief						-	-	-	-
4.2.1. Coordinate Requirements						-	-	B	-
4.3. Forecast Review Process TR: DAFMAN 15-129						-	-	-	-
4.3.1. Manage						-	-	B	-
4.4. Weather Training for Certification of Non-Weather Personnel TR: AFMAN 15-111, AFI 15-157						-	-	-	-
4.4.1. Local Requirements						-	-	B	-

4.4.2. Implement Training Plan						-	-	2b	-
4.4.3. Conduct Training						-	-	-	-
4.5. Quality Assurance Programs TR: DAFMAN 15-129						-	-	-	-
4.5.1. Manage						-	-	3c	-
4.6. Operating Instructions and Procedures TR: AFMAN 15-129, AFH 33-337, DAFI 90-160, DAFMAN 90-161						-	-	-	-
4.6.1. Draft Operating Instructions						-	-	-	-
4.6.2. Operating Instructions Management						-	-	-	-
4.6.3. Standard Operating Procedures requirements						-	-	B	-
4.6.4. Draft Standard Operating Procedures						-	-	-	-
4.6.5. Manage Standard Operating Procedures						-	-	-	-
4.7. Self-Assessment Program TR: DAFI 90-302						-	-	-	-
4.7.1. Manage						-	-	3c	-
4.7.2. Perform						-	-	-	-
4.8. SPECI and LOCAL Observation Criteria TR: AFMAN 15-111						-	-	-	-
4.8.1. SPECI and LOCAL Observation Criteria Management						-	-	-	-
4.8.2. Determine SPECI and LOCAL observation criteria						-	-	3c	-
4.9. Weather Resource Management						-	-	-	-
4.9.1 Property Accountability and Responsibility TR: AFI 23-101, AR 710-2, AR 735-5, DA PAM 710-2-2						-	-	-	-
4.9.2. Initiate Requests for Supplies and Equipment TR: AFI 23-101						-	-	-	-
4.9.3 Manpower (e.g., UMD, UPMR) TR: AFI 38-101						-	-	-	-
4.9.4. Budget (e.g. GPC, TDY Funds, UFR) AFI 65-103, AFI 65-601v2, DAFMAN 65-605v1, DAFI 64-117						-	-	-	-
4.10. Manage Identification Data in Station Information Files TR: 14WS Product Locator Description https://www.climate.af.mil						-	-	-	-
4.11. Station Open/Close Duties TR: AFMAN 15-111, Local SOPs						-	-	-	-
4.11.1. Manage						-	-	-	-
4.11.2. Perform						-	-	-	-
4.12. Alternate Operating Location Procedures Management TR: DAFMAN 15-129, AFMAN 15-111						-	-	-	-
4.13. Visibility Aids Management (e.g., visibility charts) TR: DAFMAN 15- 129, SOPs						A	-	-	-
4.14. Manage Support Documents (e.g., MOA, LOA, WSD, IDP) TR: AFTTP3-4.15, DAFMAN 15-129						-	-	-	-
4.15. Risk Management Process TR: DAFI 90-802						-	A	-	-

4.15.1 Apply Risk Management Process						-	3c	-	-
4.16. Mishap Reporting Management (e.g., OPREP, BEELINE) TR: AFMAN 10-206						-	A	-	-
4.16.1 Perform Mishap Reporting						-	-	-	-
4.17. Severe Weather Action Program Management TR: DAFMAN 15-129						-	-	-	-
4.17.1 Severe Weather Action Plan Execution						-	-	-	-
5. SUPERVISION									
5.1. Orient New Personnel TR: AFMAN 36-2100, DAFMAN 15-129, DAFMAN 36-2689						-	-	3c	-
5.2. Weather Training Program Management Principles TR: DAFMAN 36-2689						-	-	-	-
5.2.1. Plan Training						-	-	3c	-
5.2.2. Conduct Training						-	-	3c	-
5.2.3. Document Training						-	-	3c	-
6. METEOROLOGICAL EQUIPMENT									
6.1. Meteorological Sensor Characteristics TR: AFMAN 15-111									
6.1.1. Cloud height (FBWOS)						2b	-	-	-
6.1.2. Visibility (FBWOS)						2b	-	-	-
6.1.3. Wind (FBWOS)						2b	-	-	-
6.1.4. Pressure (FBWOS)						2b	-	-	-
6.1.5. Temperature and Dew Point (FBWOS)						2b	-	-	-
6.1.6. Precipitation Measurement (FBWOS)						2b	-	-	-
6.1.7. Lightning Detection (FBWOS)						2b	-	-	-
6.1.8. Present weather (FBWOS)						2b	-	-	-
6.1.9. Space Environment Sensing Systems (AN/FMQ-7, AN/FRR-95)						-	-	-	-
6.2. Deployable Meteorological Equipment TR: AFTTP 3-4.15						-	-	-	-
6.2.1. AN/TMQ-53 TR: AN/TMQ 53 CBT (MyLearning), AFTTP3-4.15, Operating Instructions (as available)						-	-	-	-
6.2.1.1. Setup and Tear Down						-	3c	-	-
6.2.1.2. Operate							3c		
6.2.1.3. Troubleshoot							3c		
6.2.1.4. Coordinate Network Connections						-	3c	-	-
6.2.2. Operate Commercial Handheld Weather Device (e.g. Kestrel) TR: AFTTP3-4.15, Operating Instructions (as available)						-	3c	-	-
6.2.3. Operate Deployable Radar (PDR) TR: AFH 11-203(v2), User Manual, AFTTP3-4.15, PDR CBT (BIFROST/ServiceNow Training Page)						-	-	-	-
6.2.4. Operate Deployable Automated Sensors						-	-	-	-

6.2.5. Perform Barometer Comparisons (e.g., AN/TMQ-53, Kestrel) TR: AFMAN 15-111						-	2b	-	-
6.2.6. Perform Weather Equipment Outage Procedures TR: AFMAN 15-111, DAFMAN 15-129						-	2b	-	-
6.2.7. Operate Deployable Upper Air Sensors						-	-	-	-
7. WEATHER COMMUNICATIONS									
7.1. Organizational structure of the DoD/DCS global weather communication TR: AFI 17-140, AFMAN 17-2101						-	-	-	-
7.2. Deployable communications architecture TR: AFI 15-157, AFI 17-140						-	-	-	-
7.3. Deployable communications (i.e., Service, CCMD) TR: ATP 6-02.53, AFTTP3-4.15						-	-	-	-
7.3.1. Satellite Communications and Capabilities						-	-	-	-
7.3.1.1. Setup						-	-	-	-
7.3.1.2. Operate						-	-	-	-
7.3.1.3. Troubleshoot						-	-	-	-
7.4. Provide Pilot-to-METRO Service (PMSV) TR: DAFMAN 15-129						2b	3c	-	-
7.5. Prepare Support Assistance Requests (SARs)						-	3c	-	-
7.6. Back Up Procedures for Communications/Meteorological Outages TR: DAFMAN 15-129, AFMAN 15-111, AFTTP 3-4.15						-	-	-	-
7.6.1. Develop						-	-	-	-
7.6.2. Perform						-	-	-	-
7.6.3. Document Communication Outages						-	-	-	-
7.7. Joint Environmental Toolkit (JET) TR: Jet User Manual (located in JET)						-	-	-	-
7.7.1. Create/Edit Graphic Products						-	-	-	-
7.7.2. Create/Edit Alphanumeric Products						1a	3c	-	-
7.7.3. Conduct MEF Operations with JET						-	-	-	-
7.7.4. Create Script						-	-	3c	-
7.7.5. Perform System Management Functions						-	-	3c	-
7.7.6. System Configurations						-	-	3c	-
7.7.7. Utilize Software Applications (JET)						-	-	3c	-
8. WEATHER RADAR									
8.1. General Radar Theory TR: TR: FCM-H11, Part B						A	-	B	-
8.2. Radar system concepts TR: FCM-H11, Part A						A	-	B	-
8.3. Radar Products and Sources Available to Department of Defense						B	B	-	-
8.4. Interrogate Radar Products and Issue Weather Warnings Based on Established Criteria TR: FCM-H11 Parts A-D, AFH 15-101						2b	3c	-	-

9. SURFACE WEATHER OBSERVATIONS									
9.1. Weather Elements TR: AFH 15-101, AFMAN 15-111, AFH 11-203 (v1, v2)						-	-	-	-
9.1.1. Sky Conditions and Cloud Data						A	B	-	-
9.1.2. Visibility and Runway Visual Range						A	B	-	-
9.1.3. Present Weather and Obstructions to Vision						A	B	-	-
9.1.4. Wind Characteristics						A	B	-	-
9.1.5. Barometric Pressure						A	B	-	-
9.1.6. Temperature and Dew Point						A	B	-	-
9.1.7. Precipitation Rate and Amount						A	B	-	-
9.2. Evaluate Weather Elements TR: AFMAN 15-111						-	-	-	-
9.2.1. Sky Conditions and Cloud Data (FBWOS)						2b	3c	-	-
9.2.2. Visibility (FBWOS, visibility chart)						2b	3c	-	-
9.2.3. Present Weather and Obstructions to Vision (FBWOS)						2b	3c	-	-
9.2.4. Runway Visual Range (FBWOS)						2b	-	-	-
9.2.5. Wind Characteristics (FBWOS, handheld weather device)						2b	3c	-	-
9.2.6. Barometric Pressure (FBWOS, handheld weather device)						2b	3c	-	-
9.2.7. Temperature and Dew Point (AOS, handheld weather device)						2b	3c	-	-
9.2.8. Precipitation Rate and Amount (FBWOS)						2b	3c	-	-
9.3. Record Summary of Day Data TR: AFMAN 15-111						-	-	-	-
9.3.1. 24-Hour Operations						-	-	-	-
9.3.2. Limited-Duty Operations TR: AFMAN 15-111						-	-	-	-
9.4. Cooperative Weather Watch (CWW) TR: AFMAN 15-111, DAFMAN 15-129						A	-	-	-
9.4.1. Conduct CWW Process						-	2b	-	-
9.4.2. Manage CWW Process						-	-	-	-
9.5. Perform Aircraft/Launch Mishap Procedures						-	3c	-	-
9.6. Create Tactical Visibility Chart TR: AFMAN 15-111						-	-	-	-
10. WEATHER CODES									
10.1. Encode						-	-	-	-
10.1.1. METAR Observations TR: AFMAN 15-111, AFMAN 15-124						2b	3c	-	-
10.1.2. Pilot Reports (PIREPs) TR: AFMAN 15-124						2b	3c	-	-
10.1.3. Weather Forecasts						-	-	-	-
10.1.3.1. Terminal Aerodrome Forecast (TAF) TR: AFMAN 15-124						2b	3c	-	-
10.1.3.2. Other than TAF (i.e., MEF, JOAF, AR FCST, etc.)						-	-	-	-
10.1.4. Space Environment Bulletins						-	-	-	-
10.2. Decode						-	-	-	-

10.2.1. METAR Observations TR: AFMAN 15-111, AFMAN 15-124						2b	3c	-	-
10.2.2. PIREPs TR: AFMAN 15-124						2b	3c	-	-
10.2.3. Weather Forecasts						-	-	-	-
10.2.3.1. Terminal Aerodrome Forecasts (TAF) TR: AFMAN 15-124						2b	3c	-	-
10.2.3.2. Other than TAF (e.g., JOAF, MEF, AR FCST, ORM Products, FITL, etc.)						-	-	-	-
10.2.4. Numerical Forecast Products						2b	3c	-	-
10.2.5. Land synoptic observations TR: AFMAN 15-124, WMO Manual 306, FM 12-XIV Ext. SYNOP						-	-	-	-
10.2.6. Ship synoptic observations TR: WMO Manual 306, FM 13-XIV Ext. SHIP						-	-	-	-
10.2.7. Rawinsonde reports TR: COMET Skew-T Mastery, AFH 15-101						-	-	-	-
10.2.8. Space Environment Bulletins TR: 15-124, AFH 15-101						-	3c	-	-
10.2.9. Effective Downwind Messages TR: AFH 15-101						-	-	-	-
10.2.10. Numeric Data						-	-	-	-
10.2.11. Plotted Data						-	-	-	-
10.2.12. Other space weather data						-	-	-	-
11. CLIMATOLOGY									
11.1. Descriptive regional climatology TR: 14WS website (climate.af.mil)						B	-	-	-
11.2. Climatology TR: AFH 15-101						-	-	-	-
11.2.1. Products						A	-	-	-
11.2.2. Apply Data						-	-	-	-
11.2.2.1. General Forecast						2b	3c	-	-
11.2.2.2. Mission Execution and Planning TR: AFTTP 3-4.15						2b	3c	-	-
12. STRUCTURE AND PROPERTIES OF THE ATMOSPHERE									
12.1. Physics TR: AFH 11-203(v1)						-	-	-	-
12.1.1. Heat Transfer						B	-	-	-
12.1.2. Atmospheric Physics						B	-	-	-
12.1.3. Atmospheric Effects on Electro-Optical Systems						-	B	C	-
12.1.4. Impact of Environmental Changes upon Chemical, Biological, Radiological, and Nuclear (CBRN) Incidents						A	-	-	-
12.2. General Circulation TR: AFH 11-203(v1)						B	-	-	-
12.3. Composition TR: AFH 11-203(v1)						B	-	-	
12.4. Winds TR: AFH 11-203(v1)						B		-	-
12.5. Pressure Systems TR: AFH 11-203(v1)						B	-	-	-
12.6. Frontal Systems						B	-	-	-

TR: AFH 11-203(v1)									
12.7. Jet Streams TR: AFH 11-203(v1)						B	-	-	-
12.8. Turbulence TR: AFH 11-203(v1)						B	-	-	-
12.9. Vorticity TR: AFH 15-101						B	-	-	-
12.10. Advection TR: AFH 15-101						B	-	-	-
12.11. Cloud Physics TR: AFH 15-101						B	-	-	-
12.12. Severe Weather Phenomena						-	-	-	-
12.12.1. Convective TR: AFH 15-101						B	-	-	-
12.12.2. Non-Convective TR: AFH 15-101						B	-	-	-
12.13. Tropical Weather TR: AFH 15-101						B	-	-	-
12.14. Icing TR: AFH 11-203(v1), AFH 15-101						B	-	-	-
12.15. Air Masses TR: AFH 11-203(v1)						-	-	-	-
12.15.1. Types/Source Regions						B	-	-	-
12.15.2. Modification Mechanisms						B	-	-	-
13. ANALYSIS AND PROGNOSIS									
13.1. Evaluate Air Mass Soundings TR: COMET Skew-T Mastery, AFH 15-101						2b	3c	-	-
13.2. Forecast Soundings TR: COMET Skew-T Mastery, AFH 15-101						-	-	-	-
13.2.1. Evaluate						2b	3c	-	-
13.2.2. Construct TR: COMET Skew-T Mastery						-	-	-	-
13.3. Vertical Consistency (Stacking of Meteorological Features)						-	-	-	-
13.3.1. Evaluation						B	-	-	-
13.3.2. Analyze						2b	-	-	-
13.3.3. Apply Analysis to a Forecast						2b	3c	-	-
13.4. Satellite Imagery TR: AFH 15-101						-	-	-	-
13.4.1. Types of Meteorological Satellite TR: AFH 15-101						B	-	-	-
13.4.2. Meteorological and Non-Meteorological Features TR: AFH 15-101						-	-	-	-
13.4.2.1. Evaluation						B	-	-	-
13.4.2.2. Analyze						2b	3c	-	-
13.4.3. Microwave Products						B	-	-	-
13.4.4. Multi Spectral Imagery						B	-	-	-
13.4.5. Relationships of Data to Meteorological Events						B	C	-	-
13.4.5.1. Apply METSAT Data to a Forecast						-	3c	-	-
13.4.6. Depict Wind Flow						2b	3c	-	-
13.5. Surface Weather Features TR: AFH 15-101						-	-	-	-

13.5.1. Prognosis						B	-	-	-
13.5.2. Prepare Prognostic Charts						2b	-	-	-
13.6. Upper-Air Weather Features TR: AFH 15-101						-	-	-	-
13.6.1. Prognosis						B	-	-	-
13.6.2. Prepare Prognostic Charts						2b	-	-	-
13.7. Surface Features TR: AFH 15-101						-	-	-	-
13.7.1. Analyze Surface Features						2b	-	-	-
13.7.2. Apply Analysis to a Forecast						2b	3c	-	-
13.8. Upper-Air Features TR: AFH 15-101						-	-	-	-
13.8.1. Analyze Upper-Air Features						2b	-	-	-
13.8.2. Apply Analysis to a Forecast						2b	3c	-	-
13.9. Thickness features TR: AFH 15-101						-	-	-	-
13.9.1. Analyze thickness features						2b	-	-	-
13.9.2. Apply analysis to a forecast						2b	3c	-	-
13.10. Perform Streamline Analysis TR: AFH 15-101						2b	-	-	-
13.11. Weather Models TR: DAFMAN 15-129						-	-	-	-
13.11.1. Types						B	-	-	-
13.11.2. Processes (Stochastic/Deterministic)						A	-	-	-
13.11.3. Interpret Weather Models						-	-	-	-
13.11.3.1. Using Text						2b	-	-	-
13.11.3.2. Using Model Visualization						2b	3c	-	-
13.11.4. Identify Strengths and Weaknesses						-	-	-	-
13.12. Reanalyze Computer Products						-	-	-	-
13.12.1. Surface						2b	3c	-	-
13.12.2. Upper Air						2b	3c	-	-
13.13. Analyze Severe Weather Parameters TR: AFH 15-101						-	-	-	-
13.13.1. Convective						2b	3c	-	-
13.13.2. Non-Convective						2b	3c	-	-
13.14. Verify Weather Models						2b	-	-	-
13.15. Evaluate Weather Cross Section Products TR: AFH 15-101						2b	-	-	-
13.16. Initialize Weather Models						2b	-	-	-
13.17. Interpret Nephanalysis Charts						-	-	-	-
13.18. Evaluate Wind Profiler Data TR: AFH 15-101						-	-	-	-
13.19 Produce Meteorologically Sound Description of Atmosphere TR: DAFMAN 15-129						-	3c	-	-
13.20. Produce Meteorologically Sound Description of the Predicted State of the Atmosphere TR: DAFMAN 15-129						-	3c	-	-
14. FORECASTING AND METEOROLOGICAL WATCH									
14.1. Limited Data Forecasting						A	B	-	-

14.1.1. Forecast Weather Elements Using Limited Data						-	3c	-	-
14.2. Mission Weather Products TR: DAFMAN 15-129, AFTTP 3-4.15						-	-	-	-
14.2.1. Ground Operations TR: Local SOP/unit specific requirement						-	-	-	-
14.2.1.1. Prepare Ground Operations Forecast						-	-	-	-
14.2.2. Air Operations TR: DAFMAN 15-129						-	-	-	-
14.2.2.1. Prepare Air Operations Forecast						2b	-	-	-
14.2.3. Remotely Piloted Aircraft (RPA)/Unmanned Aerial Systems (UAS) TR: DAFMAN 15-129						-	-	-	-
14.2.3.1. Prepare RPA Operations Forecast						-	-	-	-
14.2.4. Airlift/Tankers						-	-	-	-
14.2.4.1. Prepare Airlift/Tanker Operations Forecast						-	-	-	-
14.2.5. ISR (i.e., Aerostat, U2)						-	-	-	-
14.2.5.1. Prepare ISR Operations Forecast						-	-	-	-
14.2.6. Rotary Wing						-	-	-	-
14.2.6.1. Prepare Rotary Wing Operations Forecast						-	-	-	-
14.2.7. Amphibious Operations						-	-	-	-
14.2.7.1. Prepare Amphibious Operations Forecast						-	-	-	-
14.2.8. Airborne Operations TR: DAFMAN 15-129						-	-	-	-
14.2.8.1. Prepare Airborne Operations Forecast						-	-	-	-
14.2.9. Target Forecast						-	-	-	-
14.2.9.1. Prepare Target Forecast						-	-	-	-
14.3. Forecast Weather Elements						-	-	-	-
14.3.1. Synoptic Scale						2b	3c	-	-
14.3.2. Mesoscale						2b	3c	-	-
14.3.3. Microscale						2b	3c	-	-
14.3.4. Severe Convective Weather TR: AFH 15-101, AFH 11-203(v1)						2b	3c	-	-
14.3.5. Severe Non-Convective Weather TR: AFH 15-101, AFH 11-203(v1)						2b	3c	-	-
14.3.6. Winds TR: AFH 11-203 (V1), AFH 15-101						2b	3c	-	-
14.3.7. Pressure Systems TR: AFH 15-101, AFH 11-203(v1)						2b	3c	-	-
14.3.8. Frontal Systems TR: AFH 15-101, AFH 11-203(v1)						2b	3c	-	-
14.3.9. Jet Streams TR: AFH 15-101, AFH 11-203(v1)						2b	3c	-	-
14.3.10. Turbulence TR: AFH 15-101, AFH 11-203(v1)						2b	3c	-	-

14.3.11. Vorticity TR: AFH 15-101						2b	3c	-	-
14.3.12. Advection TR: AFH 15-101, AFH 11-203(v1)						2b	3c	-	-
14.3.13. Clouds TR: AFH 15-101, AFH 11-203(v1)						2b	3c	-	-
14.3.14. Icing TR: AFH 15-101, AFH 11-203(v1)						2b	3c	-	-
14.4. Prepare Forecast Products (Physical and Mental Processes)						-	-	-	-
14.4.1. TAF TR: AFMAN 15-124, DAFMAN 15-129						2b	3c	-	-
14.4.2. TAF Amendments TR: AFMAN 15-124, DAFMAN 15-129						-	3c	-	-
14.4.3. Route Forecast TR: DAFMAN 15-129						-	-	3c	-
14.4.4. Range/Area Forecast TR: DAFMAN 15-129						-	-	3c	-
14.4.5. Weather Warning TR: DAFMAN 15-129						2b	3c	-	-
14.4.6. Weather Advisory TR: DAFMAN 15-129						2b	3c	-	-
14.4.7. Weather Watch TR: DAFMAN 15-129						2b	3c	-	-
14.4.8. Media Forecast TR: DAFMAN 15-129						-	-	-	-
14.4.9. Forecast Discussion TR: DAFMAN 15-129						2b	-	-	-
14.4.10. Sea-State Forecast TR: DAFMAN 15-129						-	-	-	-
14.4.11. Hurricane or Typhoon Position Report TR: DAFMAN 15-129						-	-	-	-
14.4.12. Forecast Amendment, Other Than TAF TR: DAFMAN 15-129						-	-	-	-
14.4.13. Air Refueling Forecast TR: DAFMAN 15-129						-	-	-	-
14.5. Mission Execution Forecast Process (MEFP) TR: DAFMAN 15-129, AFTTP 3-4.15						-	A	B	-
14.5.1. Develop MEFP						-	-	-	-
14.6. Forecast Tropical Weather TR: DAFMAN 15-129, AFH 15-101						A	-	-	-
14.6.1. Apply Tropical Weather Forecast						-	-	-	-
14.7. Desert Weather Forecasting TR: AFH 15-101						-	-	-	-
14.8. Military Decision-Making Process (MDMP) TR: DAFMAN 15-129, AFTTP 3-4.15						-	B	C	-
14.9. Operational Tactics AFTTP 3-4.15						-	-	C	-
14.10. Light Data						A	-	-	-
14.10.1. Obtain Light Data						2b	-	-	-
14.10.2. Apply Light Data						-	-	-	-
14.11. Apply Meteorological Watch Techniques to Update Forecast Products TR: DAFMAN 15-129						2b	3c	-	-

14.12. Decision Aids						-	-	-	-
14.12.1. Produce Electro Optical (TAWS) TR: TAWS Training Manual						-	-	-	-
14.13. Basic Flight Rules TR: AFMAN 11-202(v3), AR 95-1						A	-	-	-
14.14. Air Operations Center (AOC) TR: DAFMAN 15-129, AFTTP 3-4.15						-	-	-	-
14.15. Precision Guided Munitions Operation TR: AFH 15-101, AFTTP 3-4.15						-	-	-	-
14.16. Target Acquisition System TR: AFH 15-101						-	-	-	-
14.17. Prepare General Long Range Planning Forecast						-	-	2b	-
14.18. Prepare Mission Weather Product						-	2b	3c	-
14.19. Weather Specification criteria (atmospheric and space) and effects on military operations TR: AFMAN 11-202(v3), AR 95-1, JP 3-59, DAFMAN 15-129						A	B	C	-
15. PREPARE AND PRESENT WEATHER BRIEFINGS									
15.1. Flight TR: DAFMAN 15-129, AR 95-1, AFMAN 11-202(v3)						2b	3c	-	-
15.2. Shift change TR: AFTTP 3.4-15						2b	3c	-	-
15.3. Staff						-	-	3c	-
15.4. Mission TR: AFMAN 11-202V3, DAFMAN 15-129, AR 95-1						2b	3c	-	-
16. OCEANOGRAPHY/HYDROLOGY TR: Aerographer's Mate 1 & C									
16.1. Currents						B	-	-	-
16.2. Vertical motions						B	-	-	-
16.3. Waves and tides						B	-	-	-
16.4. Products						-	-	-	-
16.5. Application of Data to Operations						-	-	-	-
17. ANALYSIS AND FORECAST PROCESS (AFP)									
17.1. Components of an Effective Forecast Process TR: DAFMAN 15-129						A	B	C	-
17.2. Development of an Effective AFP TR: DAFMAN 15-129						-	-	-	-
17.2.1. Integrate Product Analyses into a Time-Efficient Forecast Process (such as TAF worksheets)						-	-	2b	-
17.2.2. Apply Basic Statistical Analysis to Improve Forecast Techniques						-	-	2b	-
17.2.3. Integrate Customer Requirements into the AFP						-	-	2b	-
17.3. Forecast Reference Program (e.g., FRM) TR: DAFMAN 15-129						-	-	-	-
17.3.1. Forecast Reference Material Requirements						-	-	B	-

17.3.2. Prepare Forecast Reference Material						-	-	-	-
17.3.3. Integrate Forecast Reference Material						-	-	-	-
17.4. Forecast Continuous Improvement Process (e.g. Forecast Review) TR: DAFMAN 15-129						-	-	-	-
17.4.1. Compile Pertinent Data						-	2b	-	-
17.4.2. Construct Event Scenario						1a	2b	-	-
17.4.3. Conduct independent Verification of the Data						-	2b	-	-
17.4.4. Present the Results in Logical Sequence Leading to Conclusions and Lessons Learned						1a	2b	-	-
17.4.5. Integrate Lessons Learned into Improvement Process						-	-	2b	-
18. AIR FORCE WEATHER TR: AFD ANNEX 3-59, JP 3-59, AFPD 15-1, DAFMAN 15-129, AFI 15-157									
18.1. Mission and Services Provided						-	-	-	-
18.1.1. Global (e.g. 2 WXG, 14WS)						-	-	C	-
18.1.2. Regional (e.g. OWS)						-	-	C	-
18.1.3. Local (e.g. Flight/Detachment)						-	-	C	-
18.1.4 Collaboration and Coordination (e.g., OWS and WS, WF)						-	-	-	-
18.1.5. Perform Coordination (e.g., OWS and WS, WF)						-	3c	-	-
18.2. Mission and Services Provided by Other Military Services and Civilian Agencies.						A	-	-	-
18.3. Concepts of Air Force Weather Support						-	-	-	-
18.3.1. Weather Sensitivities (Atmospheric and Space) and Impacts on Military Operations TR: AFMAN 11-202V3, JP 3-59, AFD ANNEX 3-59, DAFMAN 15-129						A	B	C	-
18.3.2. Apply Weather Sensitivities (Atmospheric and Space) and Impacts on Military Operations TR: AFMAN 11-202V3, JP 3-59, AFD ANNEX 3-59, DAFMAN 15-129						-	3c	-	-
18.3.3. Doctrine of Meteorological and Oceanographic (METOC) Operations TR: JP 3-59, AFD ANNEX 3-59						-	-	B	-
18.3.4. Manage Doctrine of Aerospace Weather Operations TR: Air Force Doctrine Annex 3-59, AFPD 15-1						-	-	B	-
18.3.5. Manage Force Employment (e.g. AFFORGEN, WMP) TR: AFI 10-201, DAFI 10-401						-	-	B	-
18.3.6. Manage Readiness (e.g. DRRS) TR: AFI 10-201, DAFI 10-401						-	-	B	-
18.4. BIFROST						-	-	-	-
18.4.1. Apply BIFROST Capabilities to Weather Operations						2b	3c	-	-
19. SPACE ENVIRONMENT									

TR: DAFMAN 15-129, AFPD 15-1, AFMAN 15-124, AFH 15-101									
19.1. Space Environment and operations						A	B	-	-
19.1.1. Apply Products to Operations						2b	3c	-	-
20. ARMY WEATHER SUPPORT SKILLS									
20.1. Integrate Weather Effects into Preparation of the Battlefield Process TR: AFI 15-157, JP 3-59						-	-	-	-
20.2. Unified Land Operations TR: ADP 5.0, 6.0						-	-	-	-
20.2.1. Analyze Unified Land Operations						-	-	-	-
20.2.1.1. Understand Army Tactics, Terminology, Doctrine, Organization, and Equipment TR: ADP 3.0, 5.0, 6.0, FM 2.0						-	-	-	-
20.2.1.2. Army Military Decision Making Process TR: ADP 5.0, 6.0						-	-	-	-
21. WARRIOR TASKS									
21.1. Move/Perform Individual Movement Techniques TR: STP 21-1-SMCT						-	-	-	-
21.1.1. Navigate from One Point on the Ground to Another Point While Dismounted TR: STP 21-1-SMCT						-	-	-	-
21.1.2. Identify the Marginal Information and Symbols on a Military Map						-	-	-	-
21.1.3. Identify Terrain Feature on Map						-	-	-	-
21.1.4. Measure Distance on a Map						-	-	-	-
21.1.5. Determine the Grid Coordinates of a Point on a Map						-	-	-	-
21.1.6. Determine a Location on the Ground by Terrain Association						-	-	-	-
21.1.7. Orient a Map to the Ground by Map Terrain Association						-	-	-	-
21.1.8. Orient a Map Using a Lensatic Compass						-	-	-	-
21.1.9. Determine Magnetic Azimuth Using a Lensatic Compass						-	-	-	-
21.1.10. Move Under Direct Fire TR: STP 21-1-SMCT, AFTTP 3-4						-	-	-	-
21.1.11. Move Over, Through, or Around Obstacles (Except Minefields) TR: STP 21-1-SMCT, AFTTP 3-4						-	-	-	-
21.1.12. React to Indirect Fire While Dismounted TR: STP 21-1-SMCT						-	-	-	-
21.1.13. Select Hasty Fighting Positions TR: STP 21-1-SMCT						-	-	-	-
21.1.14. Move as a Member of a Team TR: STP 21-1-SMCT						-	-	-	-
21.2. Communicate TR: STP 21-1-SMCT						-	-	-	-
21.2.1. Operate SINCGARS Single-Channel (SC)						-	-	-	-
21.2.2. Perform Voice Communications						-	-	-	-

21.2.3. Request Medical Evacuation						-	-	-	-
21.2.4. Send a Spot Report (SPOTREP)						-	-	-	-
21.2.5. Use Visual Signaling Techniques						-	-	-	-
21.3. Survive TR: STP 21-1-SMCT						-	-	-	-
21.3.1. React to an Improvised Explosive Device (IED)						-	-	-	-
21.3.2. Identify Visual Indicators on an IED						-	-	-	-
21.3.3. Perform Surveillance Without the Aid of an Electronic Device						-	-	-	-
21.3.4. Challenge Persons Entering Your Area									
21.3.5. Perform Duty as a Guard						-	-	-	-
21.3.6. Practice Noise, Light, and Litter Discipline						-	-	-	-
21.3.7. Perform Security Procedures TR: AFTTP 3-4						-	-	-	-
21.4. Convoy/Mounted Operations TR: AFTTP 3-2.58, AFTTP 3-4						-	-	-	-
21.4.1. Dismount and Remount Procedures TR: AFTTP 3-2.58						-	-	-	-
21.4.2. Vehicle Rollover Response TR: AFTTP 3-2.58, AFTTP 3-4						-	-	-	-
21.4.3. Degree Security TR: AFTTP 3-4						-	-	-	-
21.4.4. Perform 5/25/200 Meter Scan TR: AFTTP 3-2.58						-	-	-	-
21.4.5. Drive an Up-Armored High-Mobility Multipurpose Wheeled Vehicle (HMMWV)						-	-	-	-
21.4.6. Operate Assigned Military Vehicle						-	-	-	-
21.4.7. Prepare Vehicle for Convoy						-	-	-	-
21.4.8. Establish Security at the Halt TR: AFTTP 3-2.58, AFTTP 3-4, STP 21-1-SMCT						-	-	-	-
22. CBRN TASK QUALIFICATION TRAINNG (TQT) PERFORMED IN MOPP-4 (IAW DAFI 10-2501)	-								
22.1. Take & Disseminate an Observation Using Tactical Equipment (e.g. AN/TMQ-53, Handheld Weather Device)	-	-	-	-	-	-	-	-	-
22.2. Produce and Deliver Weather Products (e.g. WWAs, TAFs, MEFs, briefs, etc.)	-	-	-	-	-	-	-	-	-
22.3. Relay Weather Information to Customers	-	-	-	-	-	-	-	-	-