Air Force Specialty Code 4H0X1

RESPIRATORY CARE PRACTITIONER



CAREER FIELD EDUCATION AND TRAINING PLAN

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CAREER FIELD EDUCATION AND TRAINING PLAN RESPIRATORY CARE PRACTITIONER AFSC 4H0X1 TABLE OF CONTENTS

PART I

PREFACE
ABBREVIATIONS AND TERMS EXPLAINED
SECTION A – GENERAL INFORMATION
SECTION B – CAREER FIELD PROGRESSION AND INFORMATION
SECTION D – RESOURCE CONSTRAINTS
SECTION E – TRANSITIONALTRAINING GUIDE
PART II
SECTION A – SPECIALTY TRAINING STANDARDS
SECTION B – COURSE OBJECTIVE LIST
SECTION C – SUPPORT MATERIALS

SECTION D – TRAINING COURSE INDEX	
SECTION E – MAJCOM-UNIQUE REQUIREMENTS	53
SECTION F – DOCUMENTATION OF TRAINING (MEDICAL SPECIFIC)	55

RESPIRATORY CARE PRACTITIONER SPECIALTY

AFSC 4H0X1

CAREER FIELD EDUCATION AND TRAINING PLAN

PART I

PREFACE

1. The ever-changing Air and Space Expeditionary Force (AEF) environment requires vision, preparation, and attention to ensure people have the right skills and tools to deliver the capabilities and the support required by the war fighter in meeting the Air Force (AF) mission of today and vision of the future. Declining resources, expanding mission diversity, and new technologies in the AF are impacting the readiness of our most valuable resource— people. These factors will continue to exist in the future, making it essential for the workforce to be effectively and efficiently trained to perform duties within each skill level of an Air Force Specialty (AFS). To meet the challenges of tomorrow, the AF must place a greater emphasis on career field training today.

2. This Career Field Education and Training Plan (CFETP) is a comprehensive education and training document that identifies life-cycle education and training requirements, training support resources, and minimum requirements for the deliberate development of the 4H0X1 Air Force Specialty Code (AFSC). The CFETP will provide Respiratory Care Practitioner personnel a clear career path to success and will instill rigor in all aspects of career field training. Note: Civilians occupying associated positions will use Part II to support duty position qualification training.

3. The CFETP consists of two parts. Supervisors plan, manage, and control training within the specialty using both parts of the plan.

3.1. Part I provides information necessary for overall management of the specialty. Section A, General Information explains how everyone will use the plan. Section B, Career Field Progression and Information identifies career field progression, duties and responsibilities, training strategies, and career field path. Section C, Skill Level Training Requirements associates each skill level with specialty qualifications (knowledge, education, training, and other). Section D, Resource Constraints lists deficiencies in resources needed to accomplish the training mission, such as funds, manpower, equipment, and facilities. Section E, Transitional Training Guide identifies transition training guide requirements for use with merging career fields.

3.2. Part II provides a comprehensive list of training courses and standards available to support career field training requirements. Part II includes the following: Section A, Specialty Training Standard (STS) includes duties, tasks, technical references to support training, Air Education and Training Command (AETC) conducted training, wartime course, core tasks, and correspondence course requirements. Section B, Course Objective List (COL) identifies the standards supervisors will use to determine if Airmen satisfy training requirements. Section C, Support Materials identifies available support materials. An example is a Qualification Training Package (QTP), developed to support proficiency training. These packages are identified and made available on the official <u>Air Force Electronic Publications</u> website, along with the CFETP. Section D, Training Course Index is a tool supervisors can use to determine if resources are available to support training. Included here are both mandatory and optional courses. Section E, Major Command (MAJCOM)-Unique Requirements identifies specific requirements supervisors can use to determine if additional training is required for the associated MAJCOM unique qualification needs. Section F, Documentation of Training provides guidance on documentation of training (medical specific) in the <u>MyTraining</u>.

4. Using guidance provided in the CFETP will ensure individuals in this specialty receive effective and efficient training at the appropriate points in their career. This plan will enable us to train today's work force for tomorrow's jobs. At unit level, supervisors and trainers will use Part II to identify, plan, and conduct training commensurate with the overall goals of this plan.

Pertinent Air Force References:

DAFI 36-2101, Military Utilization and Classification

DAFMAN 36-2689, Training Program

AFI 36-2606, Reenlistment and Extension of Enlistment in the United States Air Force

The Blueprint for Enlisted Force Development Handbook

The Enlisted Force Structure Handbook

AFI 41-104, Professional Board and National Certification Examinations

DAFI 41-106, Medical Readiness Program

AFI 44-104, Military and Civilian Consultant Program and Medical Enlisted Career Field Manager Program

AFI 44-119, Medical Quality Operations

DAFMAN48-123, Medical Examinations and Standards

DAFI48-107V2, En Route Critical Care

AFTTP 3-42.51, Critical Care Air Transport Team (CCATT)

ABBREVIATIONS AND TERMS EXPLAINED

Advanced Training (AT). Formal course that provides individuals who are qualified in one or more positions of their Air Force Specialty (AFS) with additional skills and knowledge to enhance their expertise in the career field. Training is for selected career Airmen at the advanced level of the AFS.

Air Force Career Field Manager (AFCFM). Representative appointed by the respective HQ USAF Deputy Chief of Staff or Under Secretariat, to ensure assigned AF specialties are trained and utilized to support AF mission requirements. AFCFM is the OPR; however, works in concert with MAJCOM Functional Managers (FMs) as required.

Air Force Enlisted Classification Directory (AFECD). This guide establishes the occupational structure of the Air Force (AF) enlisted force. It incorporates the basic authority for the enlisted classification structure into AFMAN 36-2100, *Military Utilization and Classification* and establishes this guide as the official directory for all military enlisted classification descriptions, codes, and identifiers. The AFECD can be found at on the <u>MyFSS</u> website.

Air Force Job Qualification Standard/Command Job Qualification Standard (AFJQS/CJQS). A comprehensive task list, describing a particular job type or duty position. Supervisors documenting task qualifications use them. The tasks on AFJQS/CJQS 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) requiring common qualifications.

Air Reserve Components (ARC). An overarching term used when referring to both the Air National Guard (ANG) and Air Force Reserve (AFR).

American Association for Respiratory Care (AARC). AARC is the leading national and international professional association for respiratory care. The AARC encourages and promotes professional excellence, advances the science and practice of respiratory care, and serves as an advocate for patients and their families, the public, the profession and the respiratory therapist.

Career Field Education and Training Plan (CFETP). A CFETP is a comprehensive core training document identifying life-cycle education and training requirements, training support resources, and minimum core task requirements for a specialty. The CFETP aims to give personnel a clear path and instill a sense of industry in career field training.

Center for Sustainment of Trauma and Readiness Skills (C-STARS). C-STARS is a training platform that places military physicians, nurses, and technicians into civilian trauma centers that care for large numbers of trauma and critical care patients. Located in Cincinnati, Baltimore and St Louis, the courses' lecture series and skills labs are specifically designed for personnel assigned to various Unit Type Codes (UTCs). It is designed to optimize the student's prior knowledge of clinical scenarios and equipment. Considered formal readiness training, C-STARS contributes to AFSC proficiency sustainment goals and 4H0X1 Comprehensive Medical Readiness Program (CMRP) requirements.

Certification. A formal indication of an individual's ability to perform a task to required standards.

Certification Official. A person whom the commander assigns to determine an individual's ability to perform a task to required standards.

Certified Respiratory Therapist (CRT). Respiratory therapy credential awarded by National Board for Respiratory Care (NBRC).

Commission on Accreditation for Respiratory Care (CoARC). CoARC is responsible for setting standards that respiratory therapy education programs must comply with. It evaluates applications for accreditation and performs periodic reviews on respiratory therapy programs. CoARC's mission is to promote quality respiratory therapy education through accreditation services.

Continuation Training. Additional advanced training exceeding the minimum upgrade training requirements with emphasis on present or future duty assignments.

Continuum of Learning (CoL). Designed to deliberately integrate developmental opportunities through a common taxonomy to produce adaptable, knowledge-enabled Airmen for today and tomorrow.

Core Task. Tasks the AFCFM identifies as minimum qualification requirements for everyone within an AFSC, regardless of duty position. Core tasks may be specified for a particular skill level or in general across the AFSC. Guidance for using core tasks can be found in the applicable CFETP narrative.

Course Objective List (COL). A publication derived from initial and advanced skills CTS, identifying the tasks and knowledge requirements, and respective standards provided to achieve a 3-, 5- or 7-skill level in this career field. Supervisors use the COL to assist in conducting graduate evaluations.

Course Training Standard (CTS). A training standard identifying the training members will receive in a specific course.

Critical Task. A training standard identifying the training members will receive in a specific course.

Critical Care Air Transport Team (CCATT). CCATT consists of a critical care physician, critical care nurse and respiratory care practitioner. CCATTs assist in carrying out the global patient movement mission. They are a limited, rapidly deployable resource available in selected situations to supplement en-route care patient movement capabilities utilizing a variety of aircraft platforms. CCATT personnel care for critically injured/ill patients while in-transit by air to another medical treatment facility, usually one providing focused medical treatment and/or a higher level of medical care than the patient's originating facility. Ref: AFTTP 3-42.51, *Critical Care Air Transport Team (CCATT)*.

Defense Health Agency. A joint, integrated Combat Support Agency that enables the Army, Navy, and Air Force medical services to provide a medically ready force and ready medical force to Combatant Commands in both peacetime and wartime.

Duty Position Tasks. Tasks assigned to an individual to be qualified for the position currently held. These include as a minimum all core tasks that correspond to the duty position as directed by the AFCFM or MFM, and tasks assigned by the supervisor.

Education and Training Course Announcement (ETCA). Contains specific MAJCOM procedures, fund cite instructions, reporting instructions, and listings for those formal courses conducted or managed by the MAJCOMs or field operating agencies (FOAs). The ETCA contains courses conducted or administered by the AF and reserve forces and serves as a reference for the AF, DoD, other military services, government agencies, and security assistance programs.

Expeditionary Medical Support (EMEDS). Medical ensemble of people and equipment that is part of the staged, deployable concept of operations. The EMEDS course provides field operational training for personnel assigned to EMEDS. The course simulates a real deployment, allowing students the chance to practice their skills in an actual fieldsetting.

En Route PCS Associated Training. The training of students undergoing a permanent change of station (PCS) while in temporary duty (TDY) status.

Enlisted Initial Skills Training. A formal school course that results in an AFSC 3-skill level award for enlisted or mandatory training for upgrade to qualified officers.

Expeditionary Training. Training for tasks identified by higher headquarters for personnel to perform during contingencies or wartime. Training for these tasks may be provided through formal or on-the-job training.

Exportable Course. Instructional packages that personnel design for use in the field. The course may include printed, computer-based, or other audiovisual materials.

Exportable Training. Additional training via computer assisted, paper text, interactive video, or other necessary means to supplement training.

External Evaluation. Acquisition and analysis of data from outside the training environment to evaluate the training product in the operating environment.

Field Training. Technical, operator, and other training either a Training detachment or field training team conducts at operational locations on specific systems and associated direct-support equipment for maintenance and aircrew personnel.

Follow on Tech Training. Courses within the technical training pipeline required for personnel to complete their initial skills training.

Front End Analysis (FEA). A structured process used to examine training requirements and identify alternative approaches to training job tasks. The process identifies job tasks to be performed, analyzes the skills and knowledge needed to perform them, assesses the technologies available for training the skills and knowledge, performs a media analysis to recommend the best mix of delivery media, and provides cost and lead-time comparisons for the feasible alternatives.

Functional Area Managers (FAM). The individual accountable for the management and oversight of all personnel and equipment within a specific functional area to support the operational planning and execution. Responsibilities include, but are not limited to, developing and reviewing policy; developing, managing, and maintaining UTCs; developing criteria for and monitoring readiness reporting; force posturing; and analysis. At each level of responsibility (HAF, MAJCOM, Air Component, FOA, DRU, and Unit), the FAM should be the most highly knowledgeable and experienced person within the functional area and have the widest range of visibility over the functional area readiness and capability issues.

Functional Manager (FM). Senior enlisted leaders designated by the appropriate functional authority to provide day-to-day management responsibility over specific functional communities at the MAJCOM, Field Operating Agency, Direct Reporting Unit, or ARC level. While they should maintain an institutional focus with regards to resource development and distribution, FMs are responsible for ensuring their specialties are equipped, developed, and sustained to meet the functional community's mission as well as encourage force development opportunities to meet future needs of the total AF mission.

Go. The stage at which an individual has gained enough skill, knowledge, and experience to perform the tasks without supervision.

Home Station Training (HST). Training required to perform in the current duty position to include duty position tasks, core tasks, READY program tasks, contingency tasks, and additional duty tasks.

Initial Skills Training. A formal school course that results in an AFSC 3-skill level award for enlisted or mandatory training for upgrade to qualified officers.

Initial Evaluation. An evaluation to review an individual's training qualifications. Supervisors must conduct an initial training evaluation to determine if the individual requires additional training to meet duty position requirements.

Interactive Media. Computer-controlled courseware that relies on trainee input to determine the pace, sequence, and content of training delivery using more than one type of medium to convey the content of instruction. Interactive Multimedia can link a combination of media to include, but not be limited to, programmed instruction, videotapes, slides, film, television, text, graphics, digital audio, animation, and up to full-motion video to enhance the learning process.

Internal Evaluation. Collection of data from within the training environment.

Knowledge Training. Training used to provide a base of knowledge for task performance. It may also be used in lieu of task performance when the training capability does not exist. Learning gained through knowledge rather than hands-on experience.

Major Command (MAJCOM). Usage of this term refers to all Major Commands (MAJCOM), Forward Operating Agencies (FOA), DRU, Air National Guard (ANG), and Air Force Reserve Command (AFRC) unless otherwise indicated.

Master Task List (MTL). A comprehensive list (100%) of all tasks performed within a work center and 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.

Master Training Plan (MTP). Employs a strategy for ensuring the completion of all work center job requirements by using a Master task Listing and provides milestones for task, CDC completion, and prioritizes deployment/UTC, HST tasks, upgrade, and qualification tasks.

Medical Education and Training Campus (METC). The DoD's Tri-Service medical training platform located at Joint Base San Antonio-Fort Sam Houston, TX.

Medic-X. Air Force Surgeon General's initiative to ensure all medical personnel are equipped with the lifesustaining skills needed for a challenging and dynamic future battlefield where resources may be limited.

Military Treatment Facility (MTF). A medical facility (hospital, clinic, etc.) owned and operated by one of the component Services of the Department of Defense and is usually located on or near a military installation.

Mission-Ready Airman. A technical training graduate certified on AFCFM-defined tasks that are required to be performed at the next duty station, following course completion.

MyTraining. Provides the capability to manage the training lifecycle for Total Force personnel. Enlisted Training e-Record may be accessed within the AF Portal or directly at the <u>MyTraining</u> site.

National Board for Respiratory Care (NBRC). The NBRC provides high quality credentialing examinations for respiratory and pulmonary practitioners. It establishes standards to credential practitioners to work under medical direction and issues certificates to credentialed individuals. The <u>NBRC</u> supports ethical and educational standards of Respiratory Care.

No Go. Trainee has not gained enough skill, knowledge, and experience to perform task without supervision. **Occupational Analysis (OA)**. Collecting and analyzing factual data on the tasks and/or knowledge performed by Air Force 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.

On-the-Job Training (OJT). Hands-on, "over-the-shoulder" conducted to certify personnel in both upgrade (skill level award) and job qualification (position certification training).

Position Qualification Training. Training designed to qualify an Airman in a specific position that occurs after upgrade training.

Proficiency Training. Additional training, either in-residence or exportable advanced training courses, or on-the-job training, provided to personnel to increase their skills and knowledge beyond the minimum required for upgrade.

Qualification Training (QT). Hands-on performance training designed to qualify an Airman in a specific position. This training occurs both during and after upgrade training to maintain up-to- date qualifications.

Qualification Training Package (QTP). An instructional package designed for use at the unit to qualify, or aid qualification, in a duty position or program, or on a piece of equipment. It may be printed, computer-based, or in other audiovisual media.

Registered Respiratory Therapist (RRT). Respiratory therapy credential awarded by National Board for Respiratory Care (NBRC).

Resource Constraints. Resource deficiencies, such as money, facilities, time, manpower, and equipment that preclude desired training from being delivered.

Scope of Practice. The range of subject knowledge, task knowledge and task performance that personnel apply in the performance of duty at the appropriate skill level as outlined in CFETP requirements and local MTF guidance.

Special Experience Identifier (SEI). A three-number code that identifies unique skills not otherwise identified in the personnel data system.

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

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.

Supplemental Training. Training toward a portion of an AFS without change by AFSC. Formal training on new equipment, methods and technology not suited for on-the-job training.

Task. An observable and measurable unit of work activity or operation that forms a part of a duty with one or more duties making up a job.

Task Certifier. See Certification Official.

The Joint Commission (TJC). TJC accredits and offers performance improvement services for health care

organizations. A not-for-profit organization, TJC accredits nearly 15,000 health care organizations. **Third Party Certification**. An evaluation of completed training conducted by the task certifier and is only required when directed by the AFCFM.

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

Trainer. A trained and qualified person who teaches personnel to perform specific tasks through OJT methods. Also, equipment the trainer uses to teach personnel specified tasks.

Training Capability. The ability of a unit or base to provide training. Authorities consider the availability of equipment, qualified trainers, and study reference materials, and so on in determining a unit's training capability.

Training Completion Date. Date trainer or task certifier completes task evaluations and determines trainee is qualified to perform the task.

Unit Training Manager (UTM). Individual appointed by the commander who monitors training for a unit.

Training Equipment. The generic term for items trainers uses to train aircrew, missile, maintenance, support, or operator personnel. Trainers teach with these items by picturing, simulating or otherwise demonstrating the characteristics of a system, facility or piece of equipment.

Training Provider. An organization that develops or conducts training.

Upgrade Training (UGT). Mandatory training leading to attainment of higher level of proficiency.

Utilization and Training Workshop (U&TW). A forum of MAJCOM FMs (MFMs), Subject Matter Experts (SMEs), and training personnel determining career ladder progression training requirements for an AFS.

Wartime Course. Comprised of those tasks that must be taught when courses are accelerated in a wartime environment. Wartime tasks are the tasks to be taught in the 3-level course when the wartime courses have been activated. In response to a wartime scenario, these tasks will be taught in the 3-level course in a streamlined training environment. These tasks are only for those career fields that still need them applied to their schoolhouse tasks.

Wartime Tasks. Those tasks that must be taught when courses are accelerated in a wartime environment. In response to a wartime scenario, these tasks will be taught in the 3-level course in a streamlined training environment. These tasks are only for those career fields that still need them applied to their schoolhouse tasks.

SECTION A – GENERAL INFORMATION

1. Purpose. This CFETP provides the information necessary for AFCFMs, MAJCOM Functional Managers (MFM), commanders, training managers, supervisors and trainers to plan, develop, manage, and conduct an effective and efficient career field training program. The plan outlines the training individuals in this AFS should receive in order to develop and progress throughout their career. This plan identifies initial skills, upgrade, qualification, advanced and proficiency training. Initial skills training is the AFS specific training an individual receives upon entry into the AF or upon retraining into this specialty for award of the 3-skill level. Normally, this training is conducted by AETC at one of the technical training centers. Upgrade training identifies the mandatory courses, task qualification requirements, and correspondence course completion requirements for award of the 3-, 5-, 7-, 9-skill level. Qualification training is actual hands-on task performance training designed to qualify an Airman in a specific duty position. This training program occurs both during and after the upgrade training process. It is designed to provide the performance skills and knowledge required to do the job. Advanced training is formal specialty training used for selected airmen. Proficiency training is additional training, either in-residence or exportable advanced training courses, or on-the- job training provided to personnel to increase their skills and knowledge beyond the minimum required for upgrade. The CFETP has several purposes—some are:

1.1. Serves as a management tool to plan, manage, conduct, and evaluate a career field-training program. Also, it is used to help supervisors identify training at the appropriate point in an individual's career.

1.2. 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.

1.3. Lists training courses available in the specialty identifies sources of training, and the training delivery method.

1.4. Identifies major resource constraints that impact full implementation of the desired career field training process.

2. Uses. The plan will be used by MFMs and supervisors at all levels to ensure comprehensive and cohesive training programs are available for everyone in the specialty.

2.1. AETC training personnel will develop or revise formal resident, nonresident, field and exportable training based upon requirements established by the users and documented in Part II of the CFETP. They will also work with the AFCFM to develop acquisition strategies for obtaining resources needed to provide the identified training.

2.2. MFMs will ensure their training programs complement the CFETP mandatory initial, upgrade, and proficiency requirements. OJT, resident training, and contract training or exportable courses can satisfy identified requirements. MAJCOM-developed training to support this AFSC must be identified for inclusion into the plan.

2.3. Each individual will complete the mandatory training requirements specified in this plan. The list of courses in Part II will be used as a reference to support training.

3. Coordination and Approval. The AFCFM is the approval authority. The AFCFM will initiate an annual review of this document to ensure currency and accuracy. MAJCOM representatives and AETC training personnel will identify and coordinate the career field training requirements. Using the list of courses in Part II, they will eliminate duplicate training.

4. Specialty Description. The specialty description is composed of two sections; the specialty summary and the duties and responsibilities found in the AFECD.

4.1. Specialty Summary. Performs and manages cardiopulmonary functions and activities for respiratory therapy services, noninvasive diagnostic cardiac procedures, invasive diagnostic and interventional cardiac procedures, pulmonary function testing, and diagnostic and therapeutic bronchoscopies. Related DoD Occupational Subgroup: 130000.

SECTION B - CAREER PROGRESSION AND INFORMATION

4.2. Duties and Responsibilities: These job descriptions outline the general nature and level of work performed. Job duties may be modified as needs and demands of the job dictate. *NOTE:* Several common activities, tasks, concepts, procedures, etc., identified in one discipline may also exist in another.

4.2.1. Respiratory Therapy Services (Primary mission for all 4H0X1s): Supports life by management of invasive/non-invasive mechanical ventilation of neonates/infants, pediatrics and/or adults. Performs comprehensive assessment of patient's cardiopulmonary status. Assists physicians to establish and maintain artificial airways. Administers aerosol therapies (bland, medicated and metered dose). Performs airway clearance techniques, such as oral, nasal, and tracheal suctioning; coughing; deep breathing instruction; exercises and chest physical therapy. Performs lung expansion techniques. Monitors physiological responses to therapies to include vital signs, arterial blood gases, and blood chemistry changes. Determines needs related to the frequency and duration of the treatment regime ordered by the physician. Interprets clinical data and recommends additional procedures and/or pharmacologic interventions to physicians. Assists physicians with the performance of procedures, such as intubation/extubation, chest tube/arterial line insertions, weaning from patients from ventilators, etc. Communicates with multidisciplinary care team about discrepancies and concerns. Evaluates effects of respiratory therapy treatment plan by observing, noting, and evaluating patient's progress. Immediately reports adverse reactions following established mechanisms. Responds to emergent situations in the hospital and assists with providing cardiopulmonary resuscitation and advanced cardiovascular life support. Provides education and instruction to patients, family, staff, and students about theory, therapy and equipment used in Respiratory Therapy procedures and techniques, and documents as required. Documents patient care services by charting in patient and department records. Ensures operation of equipment by completing preventive maintenance requirements; follows manufacturer's instructions; troubleshoots malfunctions; turns in equipment for repairs. Maintains safe and clean working environment by complying with procedures, rules, and regulations. Protects patients and employees by adhering to infection-control policies and protocols. Maintains professional and technical knowledge by attending educational workshops, reviewing professional publications, establishing personal networks and participating in professional societies. Practices safety and security measures.

4.2.2. Pulmonary Laboratory Services: Pulmonary laboratory technicians assist physicians through a variety of non-invasive and invasive procedures to diagnose and treat pulmonary disorders.

4.2.2.1. Pulmonary Functions technician (Some 4H0X1s): Conducts pulmonary function testing to include but not limited to spirometry, flow volume loops with and without bronchodilator, bronchoprovocation, exercise testing, lung capacity and diffusion capacity to gather data for use by physician. Performs arterial blood gas puncture and analyses, six-minute walk tests, pulse oximetry studies, oxygen therapy, and nebulizer treatments. Maintains quality control of arterial blood gas machines and CO-oximeters, including proficiency testing. Performs asthma evaluations. Assists physicians in special procedures such as therapeutic/diagnostic bronchoscopies and thoracotomies. Maintains pulmonary function equipment and associated supplies. Observes and records readings and conveys findings of tests and analyses to physician for interpretation.

4.2.2.2. Polysomnography (Few 4H0X1s): Provides evaluation and treatment of sleep disorders including in-center testing, diagnostic and therapeutic interventions, comprehensive patient care and direct patient education. Performs, analyzes and reports a wide range of sleep labstudies.

4.2.3. Cardiology Laboratory Services: Cardiovascular technicians assist physicians using a variety of non-invasive and invasive procedures to diagnose and treat heart disease and vascular problems.

4.2.3.1. Non-invasive Cardiology technician (Some 4H0X1s): Performs, analyzes and reports a variety of tests to include electrocardiograms (EKGs) and ambulatory monitoring to assist physicians with diagnosing heart problems. Administers stress tests to check heart functioning during exercise or with a pharmacological agent.

4.2.3.2. Echocardiograph technician (Few 4H0X1s): Prepares patients and diagnostic equipment for ultrasound imaging procedures and explains procedures to patients. Assists physician with trans- esophageal and stress echocardiography and helps interpret data. Assesses heart structures and blood flow via 2-D, m-mode, Doppler and contrast color modalities. Ensures records are properly recorded.

4.2.3.3. Cardiac Catheterization Laboratory technician (Few 4H0X1s): Prepares Cardiac Catheterization Lab and assists physician during procedures. Operates X-ray and physiological monitoring equipment. Ensures equipment is in working order and ready for use. Assists in placing specialized equipment and instruments into cardiovascular system for diagnosis and therapy, including cardiac pacemakers and intra-aortic balloon pumps. Uses imaging equipment to help the physician detects and treat heart and blood vessel issues within the patient.

4.2.4. Performs cardiopulmonary laboratory administrative, maintenance, and support functions. Inspects and ensures equipment is calibrated to manufacturer's specifications. Cleans, disinfects, and sterilizes (or prepares for sterilization) cardiopulmonary equipment. Adheres to infection control policies. Operationally checks and inspects equipment. Determines inventory level of disposable supplies, stocks accordingly, and returns excess stock. Prepares equipment requisitions. Maintains CPR cart. Ensures emergency equipment is available and functional. Schedules patients for evaluations, procedures, and treatments. Obtains medical records. Greets patients and answers telephone. Practices patient and coworker sensitivity. Assists with transportation of patients to and from hospitals, and those in the air evacuation system requiring mechanical ventilation (CCATT). Maintains general correspondence, files, records, and reports. Provides biometricdata.

4.2.5. Manages cardiopulmonary laboratory functions and activities. Develops staffing requirements. Determines work priorities, methods, and procedures. Monitors effectiveness of staff training programs. Develops operating instructions and determines policies. Prepares budget requirements. Evaluates, budgets, and justifies new equipment purchases. Establishes and maintains publications library. Ensures compliance with credentialing agency standards. Participates in and manages quality assurance and improvement (QA&I) efforts. Directs on-going continuing education and in-services, developed in part from QA&I findings. Ensures implementation of disaster and emergency plans, as well as safety and security. Collects, analyzes, and reports biometric data. Processes collected data for physician interpretation.

5. Skill and Career Progression. Adequate training and timely progression from the apprentice to the superintendent level play an important role in the AF's ability to accomplish its mission. It is essential that everyone involved in training must do his or her part to plan, manage, and conduct an effective training program. The guidance provided in this part of the CFETP will ensure each individual receives viable training at appropriate points in their career.

5.1. **Apprentice (3) Level.** Award of the 3-skill level requires successful completion of the initial skills training provided by two consecutive in-resident courses, Phase I & II. The Respiratory Care Practitioner Apprentice Program (Phase I) is located at METC and includes two days of Expeditionary Medical Readiness skills at Joint Base San Antonio-Fort Sam Houston, Camp Bullis, Texas. Phase II training is conducted, currently, at six clinical sites throughout the United States. Upon successful completion of both phases of initial skills training, students will be conferred an associate degree in Respiratory Care Practitioner near the end of Phase II.

5.1.1. Near the end of Phase II, students will be conferred an associate in science degree in RespiratoryCare Practitioner and will challenge and be expected to pass the Therapist Multiple Choice (TMC) exam from the National Board for Respiratory Care (NBRC) at a minimum of the low-cut score while still in Phase II.

5.2. Journeyman (5) Level. Award of the 5-skill level requires six months' UGT time and begins at the first permanent duty station after Phase II completion. Individuals in retraining status, Training Status Code (TSC) 'F', are subject to the same training requirements and must complete a minimum of six months in upgrade training (UGT). During UGT, trainees work side-by-side with their supervisor and trainers to qualify on all core and duty position tasks. Through sufficient time and OJT, personnel build their confidence, skills, and abilities, finally

becoming fully proficient at their 5-level core tasks and duties. Once upgraded, 5-skill level personnel are eligible to attend supplemental currency and readiness training such as CCATT, EMEDS, SMART (Tier 3) and C-STARS. The journeyman should pursue educational and credentialing opportunities to enhance their careers. Senior Airmen (SrA) are eligible to attend Airman Leadership School(ALS).

5.2.1. Obtaining the RRT credential by the National Board for Respiratory Care is required within 6 months, to be award of 5-skill level 4H0X1 AFSC, waiverable only by AFCFM. Failure to do so may result in AFSC disqualification.

5.2.2. Maintenance of the RRT is required for retention in AFSC 4H051.

5.3. **Craftsman (7) Level.** Award of the 7-skill level requires a rank of Staff Sergeant (SSgt), six months UGT time starting from notification of selection for promotion, completion of all core and duty position tasks, recommendation by the supervisor and approval by the commander. Individuals in retraining status (TSC "G") are subject to the same training requirements and must complete a minimum of 6 months in UGT. The craftsman starts assuming some supervisory responsibilities while still maintaining high levels of primary job proficiency.

5.3.1. Professional Military Education (PME) is critical to the development of all Airmen and must be completed in a manner commensurate with their respective ranks. ALS is required to assume the rank of SSgt. ALS curriculum is designed to develop a mindset and associated skills to meet four graduate attributes: (1) expeditionary Airmen, (2) supervisor of Airmen, (3) military professional, and (4) supervisory communicator.

5.3.2. Career progression beyond the SSgt rank consists primarily of increasing supervision and management responsibilities within the Respiratory Care Practitioner field while still performing many of the core tasks of a 5-skill level. As a Technical Sergeant (TSgt), the member may oversee an element with supervisory responsibilities for two or more subsections. Prior to promotion to Master Sergeant (MSgt), the member must complete an in-residence course at the Noncommissioned Officers Academy. This course emphasizes leadership training and human resource management to prepare the member to perform at the superintendent level.

5.3.3. Maintenance of the RRT is required for retention in AFSC 4H071.

5.4. **Superintendent (9) Level.** Award of the 9-skill level requires an individual be a least a SMSgt. If selected for promotion, completion of Senior Noncommissioned Officer Enlisted PME is required prior to one year time-in-grade.

5.4.1. Maintenance of the RRT credential is required for retention in AFSC4H091.

6. Training Decisions. The CFETP uses a building block approach (simple to complex) to encompass the entire spectrum of training requirements for the Respiratory Care Practitioner AFSC. 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. The 4H0X1 Specialty Training Requirements Team (STRT) meeting held 18 - 22 April 2022 at Joint Base San Antonio—Fort Sam Houston, TX, laid the foundation for the training requirements in this CFETP. The following key decisions and changes resulted from the STRT:

5.4. **Initial Skills Training.** A great deal of attention was placed on the Specialty Training Standard (STS) line proficiency codes in order to correlate them with those found on the CoARC and NBRC instructional matrices. Although this alignment significantly increased the number of "3c" proficiency codes on the STS, it does not indicate a commensurate increase in course time. Respiratory Care Practitioner Program Phase I will require more didactic and lab time, therefore a shift in time from Phase II to Phase I is expected.

5.5. **5-Level Upgrade Requirements.** After 2022 STRT discussion regarding the significant disconnect between the current Respiratory Care Practitioner Program education, training and developmental processes compared to a CoARC-accredited civilian Respiratory Therapy training program, all FMs in attendance signaled their understanding for the need to implement the CRT requirement as a condition of graduation of Phase II training.. This CFETP contains specific guidance that close the gap between the previous 4H0X1 credentialing processes and existing CoARC requirements.

5.6. **7-Level Upgrade Requirements.** The 2013 AFECD and CFETP state "...award of Certified Respiratory Therapist Certification by the National Board for Respiratory Care (within six months of 5 skill level...". No guidance existed regarding how to manage those beyond six months of the 5-skill level. Through experience, this guidance proved difficult to enforce for myriad reasons. As discussed above, the specific guidance in this CFETP addresses the credentialing requirement for the 4H0X1 Total Force. All FMs in attendance signaled understanding the need to implement the RRT requirement as a condition for the award of a 5-skill and 7-skill level.

5.7. **Proficiency Training.** For 4H051 upgrade training, the 4H AFCFM recommended the development and employment of QTPs in order to standardized 4H OJT in the AFMS. Additionally, the 4H AFCFM reemphasized the importance of each 4H0X1 to maintain proficiency and currency in the primary readiness skillset, Respiratory Therapy. In order to achieve this, the FM community must place more focus on acquiring and maintaining Training Affiliation Agreements , Memorandums of Understandings, and/or Memorandums of Agreements when and where possible with medical/trauma centers near their respective bases.

5.7. Waiver Procedures.

5.7.1. Waiving Specialty Qualification Requirements. Qualification requirements for this specialty are published in the Air Force Enlisted Classification Directory (AFECD) and this CFETP. These requirements may be for entry, award or retention of the AFS and respective skill level. However, special circumstances may warrant waiving these requisites. A waiver saves training resources without impacting career field progression or mission accomplishment when an individual possesses qualifications equivalent to the established requirements.

5.7.2. **Evaluating Waiver Requests.** Supervisors, managers and leaders must compare each waiver request against predetermined standards to maintain AFS integrity. Consider task knowledge, performance, ability to learn and transfer knowledge to performance, and future within the AFS in relation to peers. Requests must consider the following factors:

5.7.2.1. Education. Has the individual previously completed an equivalent education or certification program (or equivalency test), or performed duty in an exceptional manner over an extended period of time in the actual or equivalent AFS or civilian occupation?

5.7.2.2. **Training.** Has the individual completed an equivalent technical training course or civilian vocational training course, certification program (or equivalency test), or performed duty in an exceptional manner over an extended period of time in the actual or equivalent AFS or civilian occupation?

5.7.2.3. **Knowledge.** Does the individual possess the career knowledge equivalent to current requirements? Waiver requests must meet the mandatory career knowledge topics identified in the specialty description.

5.7.2.4. **Experience.** Has the individual performed duty over an extended period of time in the actual or equivalent AFS or civilian occupation? Supporting documentation must include proof of experience, such as performance reports, training records, state or federal operating licenses, certificates of affiliation, etc.

5.7.2.5. **Other.** Does the individual possess the physical ability, aptitude, or qualifications that are equivalent to, or commensurate with, the established requirement?

6.6. Responsibilities

6.6.1. **Individual.** Does the individual acknowledge possessing the prescribed training requirements? Trainees must understand what their education and training requirements are, accept responsibility for training, and document task qualification.

6.6.2. **Supervisor.** Did the commander and supervisor fulfill their obligations to the trainee and the training program? Level of support or involvement is not, by itself, justification for approving waivers; it may indicate problems in training equity or other areas.

6.6.3. **Training System Equity.** This area relates tocircumstances beyond a trainee's control such as the following: Were training or testing conditions abnormal? Did the training or testing system provide the best opportunity for successful completion of training requirements? Was the training or testing system flexible enough to allow for unexpected situations or conditions? Did those responsible for the training or testing program fulfill their obligations effectively? Depending on the facts, this area may warrant options other than approving a waiver.

6.7. Processing Waiver Requests. Process waiver requests according to AFMAN 36-2100, *Military Utilization and Classification*, DAFMAN, *Training Program*.

6.8. Waiving Scope of Practice Tasks. Normally, enlisted medical and dental personnel operate within the guidelines established by the CFETP. The CFETP defines the enlisted scope of practice. When the MTF executive management team determines a need for enlisted personnel to perform tasks clearly beyond the expectations of their AFSC, the MAJCOM Surgeon General considers and grants waivers as appropriate. Consistent with the CFETP review process, these waivers will be reviewed annually. To request a Scope of Practice waiver to perform tasks not found in the CFETP, refer to AFI 44-119, *Medical Quality Operations*.

6.8.1. Waiver requests will include the following:

6.8.1.1. Rationale for expanding practice to include who and where within the MTF.

6.8.1.2. Training protocol.

6.8.1.3. Procedures for competency validation/verification.

6.8.1.4. Guidelines for maintaining proficiency.

7. Degree Completion Requirements. The following degree requirements were obtained from the USU/CAHS Degree Plan. Airmen are enrolled into the CAHS Respiratory Care Practitioner program upon arrival to METC.

cation Requirements (30)	Hours	Major Requi	rements <mark>(</mark> 30)	Hours			
Communication (6 min)		N	Major Technical Field of Study (58)				
Transfer Coursework	3	RSPT 1201*	Respiratory Care	2			
Transfer Coursework	3	RSPT 2210*	Cardiopulmonary Disease	2			
Quantitative Science (9 min)		RSPT 2158*	Respiratory Care Pt Assessment	1			
Transfer Coursework	3	DSAE 1240*	Diagnostic Electrocardiography	2			
Anatomy and Physiology	2	RSPT 2305*	Pulmonary Diagnostics w/ Lab	3			
Cardiopulmonary Anatomy &	3	RSPT 2139*	Advanced Cardiac Life Support	1			
Physiology							
Advanced Respiratory Care	1	RSPT 2153*	Basic Neonatal / Pediatric	1			
Pharmacology			Cardiopulmonary Care				
Respiratory Therapeutics II	1	RSPT 2131*	Simulations in Respiratory Care	1			
Respiratory Care Procedures II	3	RSPT 2666*	Clinical Practicum I	6			
CPR for Healthcare Providers	1	RSPT 3966*	Clinical Practicum II	9			
Human Science (6 min)		RSPT 3967*	Clinical Practicum III - 8 Weeks	9			
Transfer Coursework	3	RSPT 2366*	Clinical Practicum IV - 2 weeks	3			
Transfer Coursework	3	RSPT 3566*	Clinical Practicum V - 4 Weeks	5			
General Education		RSPT 3567*	Clinical Practicum VI - 4 Weeks	5			
Transfer Coursework	4	5					
ducation Requirements Total (min 30)	30	1	Aajor Requirements Total (min 30)	50			
	ation Requirements (30) Communication (6 min) Transfer Coursework Transfer Coursework Quantitative Science (9 min) Transfer Coursework Anatomy and Physiology Cardiopulmonary Anatomy & Physiology Advanced Respiratory Care Pharmacology Respiratory Therapeutics II Respiratory Care Procedures II CPR for Healthcare Providers Human Science (6 min) Transfer Coursework General Education Transfer Coursework	cation Requirements (30)HoursCommunication (6 min)Transfer Coursework3Transfer Coursework3Quantitative Science (9 min)Transfer CourseworkTransfer Coursework3Anatomy and Physiology2Cardiopulmonary Anatomy & Physiology3Advanced Respiratory Care1Pharmacology1Respiratory Therapeutics II1Respiratory Care Procedures II3CPR for Healthcare Providers1Human Science (6 min)1Transfer Coursework3Transfer Coursework3General Education4Mucation Requirements Total (min 30)30	Communication (6 min)Major RequirTransfer Coursework3Transfer Coursework3Quantitative Science (9 min)RSPT 2210*Transfer Coursework3DSAE 1240*Anatomy and Physiology2Cardiopulmonary Anatomy &3Physiology2Advanced Respiratory Care1Pharmacology1Respiratory Therapeutics II3CPR for Healthcare Providers1Human Science (6 min)RSPT 2366*Transfer Coursework3RSPT 2366*RSPT 3966*Transfer Coursework3Respiratory Care Procedures II3SPT 2366*RSPT 3966*Transfer Coursework3Rspr 3566*RSPT 3567*Transfer Coursework4Mucation Requirements Total (min 30)30	Ration Requirements (30)HoursMajor Requirements (30)Communication (6 min)Major Technical Field of Study (58)Transfer Coursework3Transfer Coursework3Quantitative Science (9 min)RSPT 2210*Transfer Coursework3Anatomy and Physiology2Cardiopulmonary Anatomy &3Advanced Respiratory Care1Physiology2Advanced Respiratory Care1Pharmacology2Respiratory Therapeutics II1Respiratory Care Provedures II3CPR for Healthcare Providers1Ransfer Coursework3Transfer Coursework3Respiratory Care Procedures II3CPR for Healthcare Providers1Ransfer Coursework3Transfer Coursework3Respiratory Care Intransfer Coursework3Respiratory Care Intransfer Coursework3Transfer Coursework3Respiratory Care Intransfer Coursework3Respiratory Care Intransfer Coursework3Respiratory Care Intransfer Coursework3Respiratory Care Ordenes1Respiratory Care Intransfer Coursework3Respiratory Care Intransfer Coursework3Respir			

*These courses are courses delivered in the CLA program, @ METC.

As of 22 Jan 2020

Transfer Coursework:

Requirement	Recommended Coursework	Hours Needed**	Pathway
Oral Comm	Public Speaking	3	Transfer (CLEP, AP, DANTES, TA, etc)
Written Comm	Composition I	3	Transfer (CLEP, AP, DANTES, TA, etc)
Math	College Algebra	3	Transfer (CLEP, AP, DANTES, TA, etc)
Humanity	Ethics, Philosophy, Fine Art, Religion	3	Transfer (CLEP, AP, DANTES, TA, etc)
Social Science 1	Social Sci., Military Sci., Sociology, etc	3	Transfer (CLEP, AP, DANTES, TA, etc)
Gen Education 1	Physical Education/Wellness	4	Transfer (CLEP, AP, DANTES, TA, etc)

Equivalent coursework will also be considered. This includes CLEP, DANTES, College Board, and other mechanisms. **one class minimum

7.1. Professional Credential. The term "Credential" refers to professional certifications, licensures or registries. CCAF degree technical and/or program elective requirements may be satisfied by credit awarded for specific national professional credentials. Students are responsible for contacting their education center and provide copies of issued credentials and supporting documentation.

7.1.1. Graduation from a CoARC-accredited course affords the Airman an opportunity to attain several credentials. The following are the primary Respiratory Therapy and Pulmonary credentials available through the National Board for Respiratory Care: Certified Respiratory Therapist (CRT), Registered Respiratory Therapist (RRT), Certified Pulmonary Function Technologist (CPFT), and Registered Pulmonary Function Technologist (RPFT). Validate eligibility through www.nbrc.org.

7.1.2. A range of cardiovascular credentialing is also available: Certified Cardiographic Technician (CCT), Registered Diagnostic Cardiac Sonographer (RDCS), Registered Vascular Specialist (RVS), Registered Cardiac Sonographer (RCS), Registered Vascular Technologist (RVT), and Registered Cardiovascular Invasive Specialist (RCIS). Eligibility for the CCT examination is granted during Phase II upon completion of the Cardiology block of instruction with clinical verification from a physician. Cardiovascular Credentialing International (CCI) is the National Credentialing Agency for CCT, RVS, RCS, and RCIS. American Registry for Diagnostic Medical Sonography (ARDMS) is the National Credentialing Agency for RDCS and RVT. For more information about the requirements necessary for any of these credentials, visit www.cci-online.org and http://www.ardms.org.

7.1.3. More information related to Respiratory Care Practitioner credentialing may be found at AF Credentialing Opportunities On-Line (AF COOL) at <u>AFVEC</u>.

7.2.4. Reference AFI 41-104, *Professional Board and National Certification Examinations*, for detailed information regarding reimbursement for costs associated with initial national certification examinations, recertifications and maintenance of certifications required for performance of duty.

8. Career Field Path

Development and Utilization Across a 30-Year Career

	Grade Requirements						
Education and Training Requirements		Rank	Average Sew-on	Earliest Sew-on	High Year of Tenure		
Basic Military Training School							
Apprentice Technical School (3-Skill Level)	Amn A1C		6 months 10 months		8 years		
Upgrade to Journeyman (5-skill level) -Minimum 6 months OJT -Minimum 6 months OJT for retrainees	SrA		3 years	28 months	10 years		
Airmen Leadership School			Traine	r			
 -Must be SrA with 48 months' time in service or SSgt-select -Resident graduation is a prerequisite for SSgt sew on (Active Duty Only) 	-Qualif -Attend	fied and certified d Air Force Train	on tasks to be train ing Course	led			
Upgrade to Craftsman (7-skill level) -Minimum rank of SSgt -Minimum 6 months OJT -Minimum 6 months OJT for retrainees -Complete appropriate courses	SSgt		36 months	3 years	20 years		
			Certifie	er			
	-Posses -Attend -Must -Be a p	ss at least the ranl d Air Force Train be capable of eva person other than	c of SSgt with a 5-s ing Course luating the task the trainer	skill level or civilia	an equivalent		
Noncommissioned Officer Academy -Must be a TSgt, MSgt selectee, or MSgt -Resident graduation is a prerequisite	TSgt		11.5 years	5 years	22 years		
for sew-on (Active Duty only)	MSgt		17.2 years	8 years	26 years		
USAF Senior NCO Academy (SNCOA) -Must be MSgt, SMSgt-selectee, or SMSgt -Resident graduation is a prerequisite for sew-on (Active Duty Only	SMSg	t 💓	19.2 years	11 years	26 years		
Upgrade to Superintendent (9-skill level) -Minimum rank of SMSgt -Supervisor recommendation							
Chief Master Sergeant Leadership Orientation -Must be CMSgt or CMSgt selectee	CMSg	t	21.2 years	14 years	30 years		



Figure 8-2

Professional Development Timeline



Figure 8-3

8.0. **MyVector**. MyVector provides a clear picture of the Respiratory Care Practitioner enlisted career field and the key developmental and leadership building opportunities within it such as core functional developmental areas, key roles, Key Leadership/Developmental Positions, and opportunities for progressive movement in the career field and the USAF. Using MyVector, in conjunction with the CFETP and other support tools/resources, empowers the 4H0X1 enlisted force to identify with current functional roles and/or current institutional roles. Additionally, using the MyVector helps Airmen understand how their role fits in the AF, the AFMS, and the career field force development pathway. MyVector assists Airmen with establishing individual career readiness goals by helping them understand where they are now versus where they want to be in the future. MyVector may be accessed on the AF Portal: U.S. Air Force - MyVector (af.mil).

		Position Requirement Grade			Grade Requirement				
Position Title	Location	Approved Vector	Skill Level	SEI (459/T/D)	SMSgt	MSgt	TSgt	SSgt	SrA
Respiratory Care Practitioner Superintendent, 81HCOS	Keesler AFB, MS	KLP	4H091	D	X				
Cardiopulmonary Flight Chief, 81HCOS	Keesler AFB, MS	KLP	4H071	D		X			
Respiratory Care Practitioner Superintendent, 959 MDOS	Ft. Sam Houston, TX	KLP	4H091	D	X				
Respiratory Care Practitioner MTF Functional Manager, 959 N	Ft. Sam Houston, TX	KLP	4H071	D		Х			
Respiratory Care Practitioner MTF Functional Manager, 59 MI	JBSA Lackland, TX	KLP	4H071	D		X			
Respiratory Care Practitioner Superintendent, 99 SGCS	Nellis AFB, NV	KLP	4H091	D	X				
Respiratory Care Practitioner	Nellis AFB, NV	KLP	9H071	D		X			
Respiratory Care Practitioner Craftsman, 10 HCOS	USAF Academy, CO	KLP	4H071	D		X			
Respiratory Care Practitioner Superintendent, 86 MDS	Landstuhl, GE	KLP	4H071	D		Х			
Respiratory Care Practitioner Craftsman, 673 HCOS	JB Elmendorf-Rich, AK	KLP	4H071	D		X			
Respiratory Care Practitioner Craftsman, 720 OSS	Hulbert Field AFB, FL	KLP	4H071	D		Х			
Respiratory Care Practitioner Craftsman, 316 HCOS	JB Andrews, MD	KLP	4H071	D		Х			
Respiratory Care Practitioner Craftsman, 15 MDG	Hickam, HI	KLP	4H071	D		X			
CCATT Advanced Course Superintendent	Cincinnati, OH	KDP	4H071	D/459		X			
Enlisted Education w/Industry Program	Location TBD	Vetted	4H05/71			X	Х	X	
Formal Tng Instructor, Phase I, 383 TS	Ft. Sam Houston, TX	KDP	4H071	Т		Х			
Formal Tng Instructor, Phase I, 383 TS	Ft. Sam Houston, TX		4H051	Т				X	
Formal Tng Instructor, Phase I, 383 TS	Ft. Sam Houston, TX		4H051	Т				X	
Formal Tng Instructor, EMEDS, 59 TRS	JBSA Camp Bullis, TX		4H051	Т				X	
Formal Tng Instructor, Phase II, 59 MSS	JBSA Lackland, TX		4H051	Т				X	
Formal Tng Instructor, Phase II, 60 SGCS	Travis AFB, CA		4H071	Т			Х		
Formal Tng Instructor, Phase II, 60 SGCS	Travis AFB, CA		4H071	Т			Х		
Formal Tng Instructor, Phase II, 81HCOS	Keesler AFB, MS		4H071	Т			Х		
Formal Tng Instructor, Phase II, 88 HCOS	Wright Patterson AFB, OH		4H051	Т			Х	X	
Formal Tng Instructor, Phase II, 96 HCOS	Eglin AFB, FL		4H071	Т			Х		
Formal Tng Instructor, Phase II, 99 SGCS	Nellis AFB, NV		4H071	Т			Х		
Formal Tng Instructor, SMART	Nellis AFB, NV		4H071	Т			Х		
Formal Tng Instructor, CCATT Initial	Wright Patterson AFB, OH		4H071	T/459			Х		
Formal Tng Instructor, CCATT Initial	Wright Patterson AFB, OH		4H051	T/459				X	
Formal Tng Instructor, CCATT Initial	Wright Patterson AFB, OH		4H051	T/459				X	
Program Instructor C-STARS	Baltimore, MD		4H051	459				х	
Program Instructor C-STARS	ST Louis, MO		4H071	459			Х		
Program Instructor C-STARS	ST Louis, MO		4H071	459			Х		
Program Instructor C-STARS	ST Louis, MO		4H051	459				×	
Formal Tng Instructor, CCATT Advanced	Cincinnati, OH		4H071	459			Х		
Formal Tng Instructor, CCATT Advanced	Cincinnati, OH		4H071	459			Х		
Formal Tng Instructor, CCATT Advanced	Cincinnati, OH		4H051	459				X	
Formal Tng Instructor, CCATT Advanced	Cincinnati, OH		4H051	459				X	
Formal Tng Instructor, CCATT Advanced	Cincinnati, OH		4H051	459				×	
Formal Tng Instructor, CCATT Advanced	Cincinnati, OH		4H051	459					X
Formal Ting Instructor, CCATT Advanced	Cincinnati, OH		4H051	459					X
Scott - CCATT Team	Scott AFB/Barnes-Jewish STL		4H051/71	459		X	X	X	
Omaha - CCATT Team	Offutt AFB/University of NE		4H071	459		X			

4H0X1 Career Field Key Development/Leadership Positions



Figure 8-3 4H0X1 Career Field Pyramid

SECTION C – SKILL LEVEL TRAINING REQUIREMENTS

9. Purpose. Skill level training requirements in this specialty are defined in terms of tasks and knowledge requirements. This section outlines the specialty qualification requirements for each skill level in broad, general terms and establishes the mandatory requirements for entry, award, and retention of each skill level. The specific task and knowledge training requirements are identified in the STS at Part II, Section A and B of this CFETP.

10. Specialty Qualification Requirements. This information is in the official specialty description in the 4H0X1 AFECD. See the *Air Force Enlisted Classification Directory* (AFECD), Attachment 4 – Additional Mandatory Requirements for AFSC Entry, for other additional entry requirements.

10.1. Apprentice Level Training Requirements.

10.1.1. **Knowledge.** Knowledge is mandatory of general anatomy and physiology; cardiopulmonary system structures and functions; basic cardiopulmonary pharmacology; patient care theory, procedures, and techniques; medical terminology; aseptic techniques; medical ethics; resuscitation techniques; maintaining and operating cardiopulmonary diagnostic and therapeutic equipment; medical computer systems; readiness; and resource management.

10.1.2. Education. For entry into this specialty, the following college courses are required: English Composition I (3 credits), Oral Communication (3 credits), College Algebra (3 credits), Humanities (3 credits), and Social Sciences (3 credits).

10.1.3. **Training.** For award of the 4H031 AFSC, completion of the Respiratory Care Practitioner Apprentice Program Phase I and II is mandatory.

10.1.4. **Experience.** No additional experience beyond the education and training provided during the Respiratory Care Practitioner initial skills course is required for award of the 3-skill level.

10.1.5. **Other.** Prior to successful completion of the Respiratory Care Practitioner initial skills course, the student will be conferred a degree in Respiratory Therapy and must challenge and pass at the low cut the National Respiratory Therapy Boards, before being awarded the 4H031 AFSC and in-processing at the next duty station.

10.1.6. **Training Sources and Resources.** Completion of the in-resident Respiratory Care Practitioner Apprentice initial skills course satisfies the training requirements specified in the specialty qualification section (above) for award of the 4H031 AFSC. A list of all training courses is in Part II Section A of this CFETP.

10.1.7. **Implementation:** Entry into 3-skill level training is accomplished by new accessions upon graduation from Basic Military Training or by approved retraining from any AFSC at the 5-skill level or higher (must complete normal retraining application). Respiratory Care Practitioner initial skills courses are in-residence courses requiring mandatory attendance unless conditions for a specialty qualification requirement waiver are satisfied IAW DAFMAN 36-2689, *Training Program*, 3.3.4., Waiving Specialty Qualification Requirements.

10.2. Journeyman Level Training Requirements.

10.2.1. **Specialty Qualification.** Qualification in and possession of AFSC 4H031. Entry into 5-skill level UGT is initiated after the individual has completed the technical training requirements and in-processed at their gaining unit.

10.2.2. **Knowledge.** Knowledge through experience, education, training and research of: general anatomy and physiology; cardiopulmonary system structures and functions; basic cardiopulmonary pharmacology; patient care theory, procedures, and techniques; medical terminology; aseptic techniques; medical ethics; resuscitation techniques; maintaining and operating cardiopulmonary diagnostic and therapeutic equipment; and medical computer systems, readiness, and resource management.

10.2.3. **Training.** Qualification consists of completion of all STS core/duty position tasks. Conduct UGT IAW DAFMAN 36-2689. A minimum of six months' OJT is required for upgrade. For retrainees, a minimum of six months' OJT is required.

10.2.4. **Experience.** Must possess experience performing diagnostic and therapeutic procedures/tasks to care for and treat a broad spectrum of cardiopulmonary patients. Must remain proficient and current with the core 4H0X1 readiness requirement—Respiratory Therapy.

10.2.5. **Other.** Must possess the Registered Respiratory Therapist credential. These requirements are waiverable only by the 4H0X1 AFCFM.

10.2.5.1. Qualified Respiratory Care Practitioner Craftsmen will be assigned to a Unit Type Code. Once assigned, the 4H051 must meet and maintain all UTC and Formal Readiness Training requirements.

10.2.5.2. Additionally, qualified Respiratory Care Practitioner Journeymen may be eligible to serve in various Developmental Special Duty (DSD) assignments. Reference the <u>MyFSS</u> website for DSD Program information.

10.2.6. **Training Sources and Resources.** UGT/OJT and 4H051 proficiency/currency training will be conducted utilizing, to include but not limited to, the CFETP, Respiratory Care Practitioner QTPs, and associated developmental DAFIs/AFIs.

10.2.7. **Implementation.** Upgrade training to the 4H051 skill level begins upon assignment to the first duty station and is awarded upon completion of AFSC-specific requirements, mandatory training, supervisor's recommendation and commander approval.

10.3. Craftsman Level Training Requirements.

10.3.1. Specialty Qualification. Qualification in and possession of AFSC 4H051.

10.3.2. **Knowledge.** Expanded knowledge through experience, education, training and research of: general anatomy and physiology; cardiopulmonary system structures and functions; cardiopulmonary pharmacology; patient care theory, procedures, and techniques; medical terminology; aseptic techniques; medical ethics; resuscitation techniques; maintaining and operating cardiopulmonary diagnostic and therapeutic equipment; and medical computer systems, readiness, and resource management.

10.3.3. **Training.** Entry into 7-level UGT is initiated when an individual possesses the 5-skill level and is selected to the grade of SSgt. Qualification training is initiated anytime an individual is assigned duties they are not qualified to perform. Enlisted Professional Military Education will be conducted IAW DAFMAN 36-2689.

10.3.4. **Experience.** Must possess experience in performing and supervising diagnostic and therapeutic procedures/tasks to care for and treat a broad spectrum of cardiopulmonary patients. Must have operational experience for a wide array of cardiopulmonary and respiratory therapy equipment. Must remain proficient and current with the core 4H0X1 readiness requirement—Respiratory Therapy.

10.3.5. Other. Must possess the RRT credential. These requirements are waiverable only by the 4H0X1 AFCFM.

10.3.5.1. Qualified Respiratory Care Practitioner Craftsmen will be assigned to a Unit Type Code. Once assigned, the 4H071 must meet and maintain all UTC and Formal Readiness Trainingrequirements.

10.3.5.2. Additionally, qualified Respiratory Care Practitioner Journeymen may be eligible to serve in various Developmental Special Duty (DSD) assignments. Reference the <u>MyFSS</u> website for the most current DSD Program information.

10.3.6. Training Sources and Resources. Units will supply all resources necessary to completeUGT.

10.3.7. **Implementation.** Award of the 7-skill level consists of the following: completion of six months' UGT time (six months for cross-trainees who held a 7-level in prior AFSC); completion of all AFSC-specific requirements, core tasks identified in the CFETP, and all duty position tasks identified by the supervisor; and recommendation of the supervisor and approval by the member's Commander.

10.4. Superintendent Level Training Requirements.

10.4.1. Specialty Qualification. Qualification in and possession of AFSC 4H071.

10.4.2. **Knowledge.** Advanced knowledge through experience, education, training and research of general anatomy and physiology; cardiopulmonary system structures and functions; cardiopulmonary pharmacology; patient care theory, procedures, and techniques; medical terminology; aseptic techniques; medical ethics; resuscitation techniques; maintaining and operating cardiopulmonary diagnostic and therapeutic equipment; and medical computer systems, readiness, and resource management.

10.4.3. **Training.** Individuals should be graduates of the USAF Senior NCO Academy (SNCOA) in- residence and/or correspondence course(s).

10.4.4. **Experience.** Must possess advanced experience in supervision and oversight of performance of diagnostic and therapeutic procedures/tasks to care for and treat a broad spectrum of cardiopulmonary patients. Must have operational experience for a wide array of cardiopulmonary and respiratory therapy equipment. Must remain proficient and current with the core 4H0X1 readiness requirement—Respiratory Therapy.

10.4.5. Other. Must possess the RRT credential. This requirement is waiverable only by the 4H0X1AFCFM.

10.4.5.1. Qualified Respiratory Care Practitioner Superintendents will be assigned to a Unit Type Code. Once assigned, the 4H091 must meet and maintain all UTC and Formal Readiness Training requirements.

10.4.5.2. Additionally, qualified Respiratory Care Practitioner Superintendents may be eligible to serve in various Developmental Special Duty (DSD) assignments. Reference the <u>MyFSS</u> website for the most current DSD Program information.

10.4.6. **Training Sources and Resources.** The upgrading personnel must currently have the 4H071 AFSC and be in the rank of SMSgt (E-8).

10.4.7. **Implementation.** With recommendation of the supervisor and approval by the commander, the Superintendent skill level is awarded upon sew-on of SMSgt.

11. Requalification. Requalification is required for 4H0X1 enlisted personnel returning from DSD or when serving outside the primary AFSC duties for more than 365 days. Completion of the last skill level held is required within 90 days of reintegration into Cardiopulmonary Laboratory operations or into a 4H0X1 AFSC UMD authorization. The reintegration addresses critical knowledge and abilities through tailored application-based skills outlined in the CFETP for 5- and 7-skill levels. The purpose is to verify competencies focusing on the individual's currency and proficiency in selected STS line items. The supervisor's assessment of an individual's knowledge, proficiency and currency levels are essential in order to fully and successfully reintegrate Airmen into the role of 4H0X1 after extended time away from the tasks and work practices. If individual's RRT lapsed during service outside of the 4H0X1 AFSC, it must be re-achieved w/in a year of reintegration.

12. 4H091 Requalification. Individuals returning to the career field in the rank of SMSgt or above do not have to meet the above requalification standards, however, they must regain the RRT credential if it lapsed during their time away from the 4H AFSC.

SECTION D – RESOURCE CONSTRAINTS

13. Purpose. This section identifies known resource constraints, which preclude optimal and desired training from being developed or conducted, including information such as cost and manpower. Narrative explanations of each resource constraint and an impact statement describing what effect each constraint has on training are included. Also included in this section are actions required, office of primary responsibility, and target completion dates. Resource constraints will be, as a minimum, reviewed and updated annually.

14. Reporting Job Proficiency Training Constraints - Units/MAJCOMS.

14.1. Supervisors should report known resource constraints that prevent personnel from completing the mandatory training requirements specified in this plan, to their unit-level enlisted specialty training manager. The authority for requesting waivers is AFMAN 36-2100.

14.2. In the report, provide a brief description of the resource constraints which adversely affect the training program and include the impact this constraint has or will have on training. Identify the specific STS line item and task code(s) affected. Also, provide a brief description of the resource needs to resolve the problem, including expenses, the corrective actions taken or to be taken, and the estimated completion date.

14.3. If the constraint may be resolved at the local level, the report will be coordinated with the senior 4H0X1, and if the impact affects unit war skill requirements, the group CC. If the constraint needs MAJCOM support, forward the report through your MDG/CC to the 4H0X1 MFM. Constraints that cannot be resolved at the unit or MAJCOM level, or have a long term estimated completion date, must be forwarded to the 4H0X1 AFCFM as a request for waiver or deferment of CFETP requirements.

15. Apprentice Level Training Constraints: All Respiratory Care Practitioner Phase II sites must be able to meet a minimum of 200 actual ventilated patient care contact hours perstudent.

15.1.1. Evaluation and analysis of each Phase II site is required to determine in-house capabilities, to include access to appropriate patient volume and acuity levels. If not able to support the desired patient contact requirement, implement action to establish Memorandums of Understanding (MOU), Memorandums of Agreement (MOA) or Training Affiliation Agreements (TAA) with other medical facilities.

15.1.2. Coordinate efforts with USAF RT Program Key Personnel, MFM and AFCFM.

15.2. Journeyman and Craftsman Level Training Constraints: IAW AFI 41-106, 4H0X1 MFMs must evaluate each base in their respective MAJCOMs to determine what gaps in training exist in relation to the 4H0X1 CMRP.

15.2.1. If the base is unable to meet 4H0X1 CMRP requirements, the MFM will, where possible, work with local unit leadership to establish and implement an MOU/MOA/TAA with a level I (preferable) or II medical facility.

MFMs will coordinate efforts to attain MOUs/MOAs/TAAs to meet CMRP requirements with the 4H AFCFM.

SECTION E – TRANSITIONAL TRAINING GUIDE

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

PART II

SECTION A – SPECIALTY TRAINING STANDARD (STS) FOR AFSC 4H0X1

1. **Implementation**. This STS will be used for Respiratory Care Practitioner technical training provided by AETC with classes beginning no later than. Training documentation will be accomplished in the web-based MyTraining accessible from the AF Portal

2. **Purpose**. As prescribed in DAFMAN 36-2689, this STS includes:

2.1. Section 1 (Task, Knowledge, and Technical Reference). The most common tasks, knowledge, and technical references (TR) necessary for Airmen to perform duties in the 3-, 5-, and 7-skill levels. TRs in the source summary are commercial publications or other service publications that are essential for OJT and mission accomplishment and are referenced by title throughout the STS. The unit OJT section will consolidate the requirements for the unit supported and order publications through the hospital/clinic library activity. TRs listed in Column 1 and in the bibliography (Attachment 4) are approved for use in formal course and MTP development.

2.2. Section 2. Tasks designated with a "5" or a "7" are Core Tasks for 5- or 7-level UGT respectively. During OJT, Core Tasks are to be trained and evaluated to the "Go" level.

2.3. Section 3. provides certification data for OJT. Column A is used to record training start dates; column B is used to record completion of tasks and knowledge training requirements. Columns C, D and E are used to record the initials for trainees, trainers, and certifiers (if needed), respectively. Task certification must show a certification or completion date.

2.3.1. The Respiratory Care Practitioner AFCFM has determined that the following tasks will require a Third-Party Task Certifier during OJT/UGT:

2.3.1.1. All duty position-specific STS line items identified on the Master Task List (MTL; see Section F) taught to the "C" or "3c" level in Phase II. Initial qualification for upgrade to 4H051 will also include:

2.3.1.1.1. Respiratory Care Practitioner Career Field

2.3.1.1.2. Safety in the Cardiopulmonary Environment

2.3.1.1.3. Resource Management

2.3.1.1.4. Administrative Functions

2.3.1.1.5. Fundamentals of Patient Care

2.3.1.1.6. Patient Data Evaluation and Recommendations

2.3.1.1.7. Blood Gases

2.3.1.1.8. Emergency Care Procedures

2.3.1.1.9. Cardiovascular

2.2.1.1.10. Pulmonary

2.3.1.1.11. Respiratory Care. Exclude line item 11.4.8., Mechanical Ventilation at Altitude. Where other training deficiencies exist, document IAW guidance in DAFMAN 36-2689.

2.3.1.1.12. Pharmacology

2.3.1.2. For all other line items identified on the MTL, the AFCFM defers the Third-Party Task Certifier requirement to the local 4H0X1 leadership level.

2.4. Section 4 specifies the level of training provided by the 3-skill level resident Respiratory Care Practitioner Phase I and Phase II courses.

2.5. Section 5. For the majority of line items identified on the MTL, the supervisor, trainer, certifier, etc., will *validate* the upgrade trainee's competency. This will be accomplished by use of (but not limited to) the QTPs listed, and/or commercially available/locally developed competency assessment checklists.

2.6. Use the automated training management system, MyTraining, to document technician qualifications.

2.7. **Qualitative Requirements.** Attachment 2 contains the proficiency code key used to indicate the level of training and knowledge provided by the resident training courses.

2.8. **Job Qualification Standard.** The STS becomes a Job Qualification Standard (JQS) for on-the-job training when placed in AF Form 623, *Individual Training Record*, and used according to DAFMAN 36-2689. Refer to this DAFMAN for further guidance on documentation, transcribing, certification, decertification and recertification. When used as a JQS, the following requirements apply:

2.8.1. **Documentation of Initial Training.** When documenting in yTraining, ensure to complete the following: Training Start, Training Complete, Trainee Initials, Trainer Initials and Certifier Initials.

2.8.2. **Decertification and Recertification.** When a supervisor determines an Airman is disqualified on a task previously certified for their duty position, the supervisor deletes certification in AFTR. Appropriate remarks pertaining to the reason for decertification are entered on the AF Form 623a, *On-The-Job-Training Record-Continuation Sheet*.

2.9. **Training Standard.** Tasks are trained and qualified to the "go" or "no go" level. "Go" means the individual can perform the task without assistance and meets local requirements for accuracy, timeliness, and correct procedures. "Go" level equates to "3c" in the STS proficiency code key.

2.10. **Specialty Training Standard.** Guide for development of promotion tests used in the Weighted Airman Promotion System (WAPS). 4H0X1 Specialty Knowledge Tests are developed at the AETC Occupational Measurement Squadron by SNCOs with extensive practical experience in their career field. The test samples knowledge of STS subject matter areas judged by test development team members as most appropriate for promotion to higher grades. Questions are based upon study references listed in the Enlisted Promotions References and Requirements Catalog available on <u>MyFSS</u>.

3. **Deployment Tasks.** The 4H AFCFM has recommended that 4H0X1 personnel train on the task/knowledge items listed in Table A—Deployment Task Listing (as they pertain to 4H Readiness requirements) prior to a deployment. Upon notification of a UTC tasking, personnel should refer to this list and arrange to complete their CMRP requirements. 4H leadership should optimize training opportunities utilizing SMART Tier 1-3 concepts: Tier 1—Internal training sources, to include hands-on and/or skills labs/locally-developed equivalents; Tier 2—MOUs/TAAs for access to hands-on patient care; Tier 3—C-STARS training platforms in Baltimore, Las Vegas and St Louis.

Table A. Deployment Task Listing

- Manage burns
- Apply cervical collar
- Trauma patient assessment
- Perform cricothyroidotomy
- Manage multi-system trauma
- Shock and control of bleeding
- Perform pre-hospital/field triage
- Establish intravenous drip rates
- Monitor intravenous infusion/complications
- Perform needle thoracostomy for tension pneumothorax
- Control bleeding from shunt or invasive monitoring/therapyline

4. **Recommendations.** Identify inadequacies and recommend changes to this training standard through channels to 59 TRG/TGE, 2931 Harney Road, JBSA-Fort Sam Houston, TX 78234 or use the Customer Service Information Line, DSN 420-1080 or Commercial (210) 808-1080 to report your findings.

BY ORDER OF THE SECRETARY OF THE AIR FORCE OFFICIAL

ROBERT I. MILLER Lieutenant General, USAF, MC, CFS Surgeon General

Attachments (4)

- 1. STS Identification Block
- 2. Qualitative Requirements
- 3. Respiratory Care Practitioner (4H0X1) STS
- 4. Training Reference (TR) Bibliography

STS Identification Block

This Block Is For Identification Purposes On	ly		
Name Of Trainee			
Printed Name (Last, First, Middle Initial)	Initials (Written)	DoD ID #	
Printed Name Of Certifyin	g Offic	l ial And Written Initia	ls
N/I	N/I		

QUALITATIVE REQUIREMENTS

		Proficiency Code Key				
	Scale Value	Definition: The individual				
	1	Can do simple parts of the task. Needs to be told or shown how to do most of the task. (Extremely Limited)				
Task	2	Can do most parts of the task. Needs only help on hardest parts. (Partially Proficient)				
Levels	3	Can do all parts of the task. Needs only a 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)				
	а	Can name parts, tools, and simple facts about the task. (Nomenclature)				
*Task Knowledge	b	Can determine step-by-step procedures for doing the task. (Procedures				
Levels	с	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)				
	А	Can identify basic facts and terms about the subject. (Facts)				
**Subject	В	Can identify relationship of basic facts and state general principles about the subject. (Principles)				
Knowledge Levels	С	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. (Example: 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. This mark is used alone instead of a scale value to show that no proficiency training is provided in the course.
- This mark is used alone in the course columns to show that training is required but not given due to limitations in resources.

Note: All tasks and knowledge items shown with a proficiency code are trained during wartime.

Respiratory Care Practitioner (4H0X1) STS

			3. Certi	4	1.			
	2. Core Tasks	А	В	С	D	Е	Profi Co	ciency des
1. Tasks, Knowledge and Technical References	(* Wartime)	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Phase I	Phase II
1. RESPIRATORY CARE PRACTITIONER CAREER FI	ELD							
TR: CFETP 4H031; AFPD 41-2; AFMAN 36-2100; AFI 10-701	; AFI 41-200							
1.1. Career Ladder Progression	5						А	-
1.2. USAF Medical Service		-	-				-	
1.2.1. Mission	5						А	-
1.2.2. Organization	5						А	-
1.2.3. Function	5						Α	-
1.2.4. Principles of High Reliability Organization							В	-
1.2.5. OPSEC							Α	-
1.2.5.1. HIPPA							А	-
1.2.5.2. Social Media							А	-
1.3. Career enhancement/credentials	5						В	-
2. SAFETY IN THE CARDIOPULMONARY ENVIRONM	IENT							
TR: DAFI 91-202; AFVA91-209; Egan's Fundamentals of Res	piratory Care							
2.1. AFOSH Program Standards	5						А	В
2.2. Hazards	5						А	В
2.3. General safety principles	*5						А	В
2.4. Apply safety practices								
2.4.1. Electrical equipment	*5						b	3c
2.4.2. Compressed Gases	*5						b	3c
2.4.3. Caustic and corrosive chemicals	*5						b	3c
2.4.4. Drugs and solutions	*5						b	3c
2.4.5. Sharp instruments and glassware	*5						2b	3c
2.4.6. Personal protective equipment	*5						2b	3c
2.5. Report Accidents	*5						b	2b
3. RESOURCE MANAGEMENT								
TR: AFMAN 23-122; AFI 23-101; AFH 23-123; AFI 41-102								
3.1. Perform workload capture IAW current system	5						а	b
3.2. Review Manning Documents and Unit Personnel Manning Roster	7						-	-
3.3. Develop staffing plans	7						-	-
3.4. Develop budgeting requirements	7						-	_
3.5. Perform Defense Medical Human Resource Systems internet (DMHRSi) activities	5						-	-
4. ADMINISTRATIVE FUNCTIONS				1				
TR: AFI 44-102; AFI 44-119; AFPD 44-1; AFI 90-201								
4.1. Schedule patients for medical procedures							-	-
4.2. The Joint Commission or other accreditation agencies	5						В	-
4.3. Air Force Inspection System (AFIS), AFI 90-201	7						-	-

			3. Certifi	4.					
1 Tasks Knowledge and Technical Deforences	2. Core Tasks (* Wartime)	А	В	С	D	Е	Profi Co	ciency des	
1. Fasks, Klowiedge and Feelinear References	(" warume)	Training Start	Training Complete	T rainee Initials	Trainer Initials	Certifier Initials	Phase I	Phase II	
5. FUNDAMENTALS OF PATIENT CARE									
TR: Egan's Fundamentals of Respiratory Care; Microbiology for the Healthcare Professional; Principles of Anatomy and Physiology; Basic Clinical Competencies for Respiratory Care; Kettering National Seminars									
5.1. Medical Ethics							В	-	
5.2. Basic psychology of human needs							В	-	
5.3. Structure and function of human body							В	-	
5.4. Microbiology								-	
5.5. Infection control									
5.5.1. Bacterial vs. viral hematology							В	-	
5.5.2. Airborne vs. bloodborne pathogens							В	-	
5.5.3. Implement infectious disease protocols									
5.5.3.1. Avian flu	*5						h	30	
5.5.3.2. SARS	*5						b	3c	
5.5.3.3. Transmission prevention	*5						b	3c	
5.5.4. Demonstrate adherence to infection control policies and	procedures	<u>.</u>	<u>.</u>						
5.5.4.1. Standard Precautions	*5						b	3c	
5.5.4.2. Don and Doff Personal Protective Equipment (PPE)	*5						b	3c	
5.5.5. Select appropriate agent and technique to									
5.5.5.1. Clean equipment	5						b	3c	
5.5.5.2. Disinfect equipment	5						b	3c	
5.5.5.3. Sterilize equipment	5						b	b	
5.6. Assure proper handling of biohazardous materials	5						b	3c	
5.7. Medical terminology	5						В	-	
6. PATIENT DATA EVALUATION AND RECOMMEND	ATIONS								
TR: Egan's Fundamentals of Respiratory Care; ECG's Made Ea National Seminars	asy; Basic Clinica	l Lab Co	mpetenci	ies for Re	espiratory	y Care; K	ettering		
6.1. Evaluate data in the patient record									
6.1.1. Patient history									
6.1.1.1. Admission data	5						b	2b	
6.1.1.2. Orders and medications	5						b	2b	
6.1.1.3. Progress notes	5						b	2b	
6.1.1.4. DNR/DNI statuses / advanced directives	5						b	2b	
6.1.1.5. Social, family and medical history	5						b	2b	
6.1.2. Physical examination relative to the cardiopulmonary	5						1	21	
system							в	26	
6.1.3. Drainage and access devices									
6.1.3.1. Chest tube	5						b	2b	
6.1.3.2. Artificial Airway	5						b	2b	
6.1.3.3. Vascular Lines	5						b	2b	
6.1.4. Laboratory results									
6.1.4.1. CBC	5						1b	2b	
6.1.4.2. Electrolytes	5						1b	2b	

			3. Certifi	4.				
1 Tasks Knowledge and Technical References	2. Core Tasks (*Wartime)	А	В	С	D	Е	Profi Co	ciency des
1. Tasks, Knowledge and Technical References	("wartinie)	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Phase I	Phase II
6.1.4.3. Cardiac enzymes	5						b	2b
6.1.4.4. Culture and sensitivities	5						b	2b
6.1.4.5. Sputum gram stain	5						b	2b
6.1.4.6. Coagulation studies	5						b	2b
6.1.5. Pulmonary function results	5						b	2b
6.1.6. Blood gas results	5						b	2b
6.1.7. 6-Minute walk test results	*5						b	2b
6.1.8. Sleep study results	5						b	2b
6.1.9. Cardiopulmonary stress test results	5						-	-
6.1.10. Metabolic study results		•	•					
6.1.10.1. O2 consumption / CO2 production	5						-	-
6.1.10.2. Respiratory quotient	5						-	-
6.1.11. Imaging studies								
6.1.11.1. Chest radiograph	5						b	3c
6.1.11.2. MRI, CT, and PET scans	5						b	2b
6.1.11.3. Ultrasound, ventilation / perfusion scan	5						b	2b
6.1.12. Trends in monitoring results		•	•		•	•		
6.1.12.1. Fluid balance	5						b	2b
6.1.12.2. Vital signs	5						b	3c
6.1.12.3. Intracranial pressure	5						b	2b
6.1.12.4. Weaning parameters	5						b	2b
6.1.12.5. Pulmonary compliance	5						b	2b
6.1.12.6. Airway Resistance	5						b	2b
6.1.12.7. Work of Breathing	5						b	3c
6.1.12.8. Pulse Oximetry	5						b	3c
6.1.12.9. Transcutaneous O2 / CO2	5						b	2b
6.1.12.10. Capnometry / Capnography	5						b	3c
6.1.13. Trends in Cardiac monitoring	T	1	1	1	T	T		1
6.1.13.1. ECG	5						b	2b
6.1.13.2. Hemodynamic parameters	5						b	2b
6.1.13.3. Cardiac catheterization	5						b	b
6.1.13.4. Echocardiography	5						b	b
6.1.14. Maternal and perinatal / neonatal history	T				1	1	-	
6.1.14.1. APGAR scores							b	2b
6.1.14.2. Gestational age							b	2b
6.1.14.3. L / S ratio							b	2b
6.1.15. Determine patient's pathophysiological state							b	2b
6.2. Perform Clinical Assessment								
6.2.1. Interview a patient to assess		1	I		I	I		
6.2.1.1. Level of consciousness and orientation, emotional state, and ability to cooperate	5						2b	3c
6.2.1.2. Level of pain	5						2b	3c

		3. Certification for OJT					4.	
1 Tasks Knowledge and Technical References	2. Core Tasks (*Wartime)	Α	В	С	D	Е	Profi Co	ciency des
1. Tasks, Knowledge and Teennear References	(wartinic)	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Phase I	Phase II
6.2.1.3. Presence of dyspnea and exercise tolerance	5						2b	3c
6.2.1.4. Presence of sputum production	5						2b	3c
6.2.1.5. Social history								
6.2.1.5.1. Smoking	5						2b	3c
6.2.1.5.2. Substance abuse	5						2b	3c
6.2.1.6. Environmental exposures	5						2b	3c
6.2.1.7. Activities of daily living	5						2b	3c
6.2.1.8. Patient's learning needs	-		_			_		-
6.2.1.8.1. Literacy	5						b	3c
6.2.1.8.2. Social/cultural	5						b	3c
6.2.1.8.3. Activities of daily living	5						b	3c
6.2.2. Perform inspection to assess					-			
6.2.2.1. General appearance	*5						b	3c
6.2.2.2. Airway assessment					-			
6.2.2.2.1. Patency	*5						b	3c
6.2.2.2.2. Mallampati Classification	5						b	3c
6.2.2.2.3. Tracheal Shift	*5						b	3c
6.2.2.3. Cough, sputum amount and character	5						2b	3c
6.2.2.4. APGAR score and gestational age							b	2b
6.2.2.5. Skin integrity								
6.2.2.5.1. Pressure ulcers							b	3c
6.2.2.5.2. Stoma site							b	3c
6.2.3. Palpate to assess		-		-	-		-	
6.2.3.1. Pulse, rhythm and force	*5						2b	3c
6.2.3.2. Accessory muscle activity							b	3c
6.2.3.3. Asymmetrical chest movements	*5						b	3c
6.2.3.4. Tracheal deviation	*5						b	3c
6.2.3.5. Tactile fremitus							b	3c
6.2.3.6. Crepitus							b	3c
6.2.3.7. Tenderness of the chest	-						b	3c
6.2.3.8. Secretions in the airway	5						b	3c
6.2.3.9. Perform diagnostic chest percussion	5						b	3c
6.2.4. Auscultate to assess		-	1	-		1		
6.2.4.1. Breath sounds	*5						2b	3c
6.2.4.2. Heart sounds and rhythm	* 7						b	2b
6.2.4.3. Blood pressure	*5						2b	3c
6.2.5. Review a chest radiograph to determine								
6.2.5.1. Quality of imagining	5							
0.2.3.1.1. Patient positioning	5						b	2b
6.2.5.1.2. Exposure	5						b	2b
6.2.5.1.3. Lung inflation	5						b	2b

		3. Certification for OJT						4.
1 Tasks Knowledge and Technical References	2. Core Tasks (*Wartime)	А	В	С	D	Е	Profi Co	ciency des
1. Fasks, Knowledge and Feeninear References	(wartinie)	Training Start	Training Complete	T rainee Initials	Trainer Initials	Certifier Initials	Phase I	Phase II
6.2.5.2. Position of indwelling tubes								
6.2.5.2.1. Endotracheal	5						b	3c
6.2.5.2.2. Tracheotomy	5						b	3c
6.2.5.3. Heart size and position							b	2b
6.2.5.4. Presence of, and/or change in				•	•	<u> </u>		
6.2.5.4.1. Foreign bodies							b	2b
6.2.5.4.2. Cardiopulmonary abnormalities						-		
6.2.5.4.2.1. Pneumothorax							b	3c
6.2.5.4.2.2. Consolidation							b	3c
6.2.5.4.2.3. Pleural effusion							b	3c
6.2.5.4.2.4. Pulmonary edema							b	3c
6.2.5.4.2.5. Pulmonary artery size etc.							b	3c
6.2.5.4.3. Diaphragm, mediastinum and/or trachea							b	2b
6.2.5.5. Review lateral neck radiograph								
6.2.5.5.1. Epiglottitis	5						b	2b
6.2.5.5.2. Foreign body	5						b	2b
6.2.6. Communicate patient's status to interdisciplinary healthcare teams	5						b	2b
6.3. Interpret procedure results								
6.3.1. 12-lead ECG		-	-	-	-	_	-	_
6.3.1.1. Rate	5						2b	3c
6.3.1.2. Irregular rhythm	5						2b	3c
6.2.1.3. Artifact	5						2b	3c
6.3.2. Pulse Oximetry	*5						2b	3c
6.3.3. Transcutaneous monitoring							b	3c
6.3.4. Capnometry / capnography	*5						2b	3c
6.3.5. Peak flow	5						2b	3c
6.3.6. Tidal volume, minute volume and vital capacity	*5						2b	3c
6.3.7. Screening spirometry (FVC)							2b	3c
6.3.8. 6-Minute walk test							b	3c
6.3.9. Oxygen titration with exercise	34 C						b	3c
6.3.10. Blood gas / hemoximetry analysis	*5						b	3c
6.3.11. Sputum induction	5						b	3c
6.3.12. Cardiopulmonary calculations		1	r	1	1	r	01	
6.3.12.1. P(A-a) U2 gradient	5	<u> </u>					2b	3c
0.3.12.2. VD / VT) *5						2b	3c
0.3.12.3. PF ratio	*5	ļ	ļ				2b	3c
0.5.12.4. Oxygenation index (O / I)	5						2b	30
6.2.12.1. Plood Programs	*5	1	1			1	21-	2.5
0.3.13.1. DIUUU FICSSUIC	5	1	I	Í	Í	1	20	50

			3. Certif		4. D. (1)			
	2 Core Tasks	А	В	С	D	Е	Profic Co	ciency des
1. Tasks, Knowledge and Technical References	(*Wartime)	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Phase I	Phase II
6.3.13.2. Central Venous Pressure (CVP)	5						b	3c
6.3.13.3. Pulmonary Arterial Pressure (PAP)	5						b	3c
6.3.13.4. Pulmonary Capillary Wedge Pressure (PCWP)	5						b	3c
6.3.14. Lung mechanics							-	
6.3.14.1. Plateau pressure	*5						2b	3c
6.3.14.2. MIP and MEP	5						2b	3c
6.3.14.3. Pulmonary Compliance and Resistance	*5						b	3c
6.3.15. Apnea test to determine brain death	5						b	3c
6.3.16. Apnea monitoring	5						b	3c
6.3.17. Overnight pulse oximetry							b	3c
6.3.18. Tracheal tube cuff pressure	*5						2b	3c
6.3.19. Cardiopulmonary stress testing							-	-
6.3.20. Pulmonary function laboratory studies							2b	3c
7. BLOOD GASES								
TR: Clinical Blood Gases, Assessment and Intervention; Egan Resp Care; Equipment Manuals; Hospital Guidelines (OIs/SO	's Fundamentals o Ps)	f Respira	tory Care	e; Basic (Clinical I	Lab Com	petencies	for
7.1. Perform sampling techniques								
7.1.1. Percutaneous	*5						2b	3c
7.1.2. Arterial line	*5						2b	3c
7.1.3. Venous line	5						-	-
7.1.4. Arterialized capillary blood							b	-
7.2. Assist physician with insertion of arterial line							b	с
7.3. Operate arterial blood gas machines / co-oximeter	5						b	с
7.4. Understanding user maintenance on blood gas machine / co- oximeter	5						В	-
7.5. Interpret arterial blood gases	*5						2b	3c
7.6. Blood Gas Quality Management (OM) programs								
7.6.1. College of American Pathologists (CAP)	7		[В	-
7.6.2. The Joint Commission (TJC)	7						В	-
7.7. Perform blood gas OM procedures								
7.7.1. Blood gas analyzers and co-oximeters	7		[а	2b
7.7.2. Point-of-care analyzers	7						a	2b
8. EMERGENCY CARE PROCEDURES								
TR: ECG's Made Easy: Basic Clinical Lab Competencies for	Resp Care: AHA H	BLS Man	ual: AHA	A ALS M	Ianual			
8.1. Perform cardiopulmonary resuscitation (CPR)	*		,				3c	-
8.2. Complete Advanced Cardiovascular Life Support (ALS)	*						2b	-
8.3. Interpret warning / lethal arrhythmias	*						2b	3c
8.4. Operate defibrillators	*		L				2b	3c
8.6. Establish peripheral IV							-	-
8.8. Perform code cart checks							а	3c

			3. Certif	ication fo	r OJT		4.	
1 Tasks Knowledge and Technical Deforences	2. Core Tasks	A	В	С	D	Е	Profi Co	ciency odes
1. Tasks, Knowledge and Technical References	(warume)	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Phase I	Phase II
9. CARDIOVASCULAR								
TR: Principles of Anatomy and Physiology; ECG's Made East	sy; Cardiovascular Pa	athology	;					
Basic Clinical Lab Competencies for Respiratory Care; Cardi Healthcare Professionals: Kettering National Seminars: Equit	ac Catheterization H	andbook aital Gui	; The Ec	ho Manu	al; Electi	ocardiog	raphy for	r
9.1. Cardiovascular Anatomy and Physiology	Silicit Mailuais, 1105		defines (018/301	5)			
9.1.1. Cardiovascular terminology	*		1	1	[1	В	-
9.1.2. Structure and function of the heart	*						В	-
9.1.3. Structure and function of the vascular system							В	-
9.1.4. Hemodynamics	*						В	-
9.1.5. Regulation of heart and circulation							В	-
9.1.6. Electrophysiology of cardiac muscle							В	-
9.1.7. Cardiac cycle	*						В	-
9.1.8. Acquired cardiovascular disease							В	-
9.1.9. Congenital cardiovascular disease							В	-
9.1.10. Dynamics of cardiovascular dysfunction							В	-
9.2. Cardiology Procedures							•	
9.2.1. Perform electrocardiograph tests	*5						2b	3c
9.2.2. Interpret electrocardiograph tests								
9.2.2.1. 12-Lead EKGs							2b	3c
9.2.2.2. Rhythm strip							2b	3c
9.2.3. Perform exercise (stress) testing							b	3c
9.2.4. Perform Holter / event monitoring tests							b	3c
9.2.5. Perform echocardiograph tests		-			-			-
9.2.5.1. 2-D and M-mode							а	1b
9.2.5.2. Doppler/color flow							а	1b
9.2.5.3. Contrast studies							а	b
9.2.5.4. Stress echocardiography							а	b
9.2.6. Assist the Physician in Performing Special Procedure	S	T		•		•	T	1
9.2.6.1. Cardioversion							а	2b
9.2.6.2. Transesophageal echocardiography							а	-
9.2.6.3. Radionuclide studies							А	-
9.2.6.4. Pacemaker interrogation							А	-
9.2.6.5. Cardiopulmonary rehabilitation							A	-
9.2.6.6. Tilt-table testing							Α	-
9.3. Cardiac Catheterization Procedures		I	1	r —	r	r —	T	1
9.3.1. Diagnostic studies							А	-
9.3.2. Therapeutic intervention							А	-
10. PULMONARY								
TR: Principles of Anatomy and Physiology; Egan's Fundam Clinical Lab Competencies for Respiratory Care; American Manuals; Hospital Guidelines (OIs/SOPs)	entals of Respiratory Thoracic Society; A	v Care; M merican	lanual of Academy	Pulmon y of Sleep	ary Func p Medici	tion Test ne; Equip	ing; Basi oment	с
10.1. Pulmonary Anatomy and Physiology								
10.1.1. Pulmonary terminology							В	-
10.1.2. Structure and functional dynamics							В	-

	3. Certificatio					tion for OJT		
1 Tasks Knowledge and Technical Deferences	2. Core Tasks	А	В	С	D	Е	Profi Co	ciency des
1. Tasks, Knowledge and Technical References	("warume)	Training Start	Training Complete	T rainee Initials	Trainer Initials	Certifier Initials	Phase I	Phase II
10.1.3. Dynamics of gas exchange							В	-
10.1.4. Regulation of respiration							В	-
10.1.5. Apply math concepts							2b	-
10.1.6. Apply gas physics							2b	-
10.1.7. Pulmonary pathophysiological processes							В	-
10.2. Pulmonary Diagnostic Procedures			-			•		
10.2.1. Perform routine spirometry and flow volume loops							2b	3c
10.2.2. Perform lung volume tests							2b	3c
10.2.3. Perform lung diffusing capacity tests							2b	3c
10.2.4. Perform Raw / Gaw by body plethysmograph							b	3c
10.2.5. Perform post-bronchodilator studies							b	3c
10.2.6. Perform maximum voluntary ventilation							b	3c
10.2.7. Perform Max O2 study (VO2 Max)							а	-
10.2.8. Perform drug or physiologically induced asthma study							а	2b
10.2.9. Perform bedside spirometry, e.g., FVC, FEV1, etc.							b	3c
10.2.10. Perform timed walk test (e.g., 6-minute)							b	3c
10.2.11. Perform oxygen titration with exercise							b	3c
10.2.12. Exhaled nitric oxide							А	-
10.2. 13. Perform lung mechanics	-							
10.2.13.1. MIP and MEP							2b	3c
10.2.13.2. Compliance	*						2b	3c
10.2.14. Perform pulmonary stress testing (e.g., ECG, pulse oximetry, etc.)							-	-
10.2.15. Perform Sputum Induction	5						b	3c
10.2.16. Act as an Assistant to the Physician Performing Special	l Procedures		<u> </u>					
10.2.16.1. Bronchoscopic examination	5						а	3C
10.2.16.2. Endobronchial Ultrasound (EBUS)	5						а	3c
10.2.16.3. Electromagnetic Navigation Bronchoscopy (ENB)	5						а	3c
10.2.16.4. Thoracentesis	5						а	2b
10.2.16.5. Moderate (conscious) sedation	5						а	3c
10.2.17. Perform user maintenance on			-			•		
10.2.17.1. Pulmonary function system							b	3c
10.2.17.2. Body plethysmograph							b	3c
10.2.17.3. Fiberoptic / video bronchoscope							b	3c
10.2.18. Perform Quality Control procedures for								
10.2.18.1. Gas analyzers							b	3c
10.2.18.2. Pulmonary function equipment							b	3c
10.3. Sleep Disorders								
10.3.1. Polysomnography							А	-
10.3.2. Multiple Sleep Latency Test (MSLT)							А	-
10.3.3. BiPAP / CPAP Titration							А	-
10.3.4. Ambulatory sleep diagnostic tests							А	-
10.3.5. Actiography							А	-

	3. Certification for OJT						4.	
1 Tasks Knowledge and Technical Deferences	2. Core Tasks	А	В	С	D	Е	Profi Co	ciency des
1. Tasks, Knowledge and Technical References	("warume)	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Phase I	Phase II
10.3.6. Perform Multiple Wakefulness Tests							А	-
10.3.7. Apnea monitoring							А	-
10.3.8. Overnight pulse oximetry							А	-
10.3.9. Perform user maintenance on sleep lab equipment							-	-
11. RESPIRATORY CARE			1			1		
TR: Egan's Fundamentals of Respiratory Care; Mechanical Ven Comprehensive Perinatal and Pediatric Respiratory Care; Equips	tilation; Basic C ment Manuals; H	linical La Iospital (ab Comp Guideline	etencies es (OIs/S	for Respi OPs)	iratory C	are;	
11.1. Respiratory therapy terminology	*5						В	-
11.2. Administration of oxygen and mixed gas therapy	•					•		
11.2.1 Operate								
11.2.1.1. Pressure regulator	*5						2b	3c
11.2.1.2. Flow meters	*5						2b	3c
11.2.1.3. Oxygen blenders	5						2b	3c
11.2.1.4. Oxygen analyzers	5						2b	3c
11.2.1.5. Oxygen concentrators							а	b
11.2.1.6. Portable liquid oxygen systems							а	b
11.2.1.7. Portable oxygen concentrators							а	b
11.2.1.8. Air compressors							1b	3c
11.2.1.9. He / O2 delivery systems							1b	3c
11.2.2. Initiate and adjust oxygen therapy delivery devices								<u> </u>
11.2.2.1. Low Flow								
11.2.2.1.1. Nasal Cannula	*5						2b	3c
11.2.2.1.2. Simple Mask	*5						2b	3c
11.2.2.1.3. Non-Rebreather	*5						2b	3c
11.2.2.1.4. Transtracheal (Scoop)							2b	3c
11.2.2.1.5. Oxymask	*5						2b	3c
11.2.2.2. High Flow								<u> </u>
11.2.2.2.1. Venturi Mask	*5						2b	3c
11.2.2.2.2. High flow cannula	5						2b	3c
11.2.2.2.3. Large Volume Nebulizer	•					•		
11.2.2.2.3.1. Face tent	*5						2b	3c
11.2.2.3.2. Aerosol mask	*5						2b	3c
11.2.2.3.3. Trach collar	*5						2b	3c
11.2.2.2.3.4. T-piece	*5						2b	3c
11.2.2.2.3.5. Oxygen hoods							2b	3c
11.2.2.3. Long-term Oxygen therapy							b	с
11.3. Neonatal / Pediatric Respiratory Management	•							
11.3.1. Care of the neonatal patient							1b	с
11.3.2. Care of the pediatric patient	*						1b	с
11.3.3. High frequency ventilators							1b	с
11.3.4. Neonatal / pediatric ventilators	*						1b	с
11.3.5. Operate a nitric oxide delivery system							а	с
11.3.6. Incubators							А	-

	3. Certification for OJT						4.	
1 Tasks Knowledge and Technical References	2. Core Tasks (*Wartime)	Α	В	С	D	Е	Profi Co	ciency des
1. Tasks, Kilowedge and Teeninear References	(wartinit)	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Phase I	Phase II
11.4. Mechanical Ventilation								
11.4.1. Operate Mechanical Ventilators, e.g.,								
11.4.1.1. Invasive	*5						2b	3c
11.4.1.5. Noninvasive	5						2b	3c
11.4.1.6. High frequency							1b	с
11.4.2. Measure lung mechanics e.g.,	•							
11.4.2.1. Plateau pressure	*5						2b	3c
11.4.2.2. MIP / MEP	5						2b	3c
11.4.2.3. Compliance	*5						2b	3c
11.4.3. Measure auto-PEEP	*5						2b	3c
11.4.4. Correct patient - ventilator dyssynchrony using ventilator graphics	*5						b	3c
11.4.5. Initiate and modify weaning procedures	*5						b	3c
11.4.6. Initiate Spontaneous Breathing Trial	5						b	3c
11.4.7. Transport mechanically ventilated patient (internal or external)	*5						b	3c
11.4.8. Mechanical ventilation at altitude							а	-
11.4.9. Position patient to minimize hypoxemia	5						b	2b
11.4.10. Operate manual breathing devices								
10.4.10.1. Self-inflating	*5						2b	3c
10.4.10.2. Flow-inflating	5						b	b
11.4.11. Monitor and adjust alarm settings	*5						2b	3c
11.4.12. Change patient breathing circuitry	*5						2b	3c
11.4.13. Apply disease-specific ventilator protocols (e.g., ARDSNet protocol	*5						а	3c
11.4.14. Operate BiPAP / CPAP	5						а	3c
11.4.15. Initiate and adjust mask or nasal BiPAP / CPAP	5						b	3c
11.4.16. Perform lung recruitment maneuver	*5						b	3c
11.4.17. Incorporate ventilator-associated pneumonia protocol	*5						b	3c
11.4.18. Apnea test to determine brain death							b	3c
11.4.19. Assist with withdrawal of life support	5						b	3c
11.4.20. Therapeutic bronchoscopy	5						b	3c
11.5. Perform Quality Control / user maintenance on								
11.5.1. Mechanical ventilators							b	2b
11.5.2. Oxygen analyzers							b	2b
11.5.3. BiPAP / CPAP equipment							b	2b
11.5.4. Non-invasive monitors	•							
11.5.4.1. Pulse oximeters	5						b	2b
11.5.4.2. Transcutaneous monitors							b	2b
11.5.4.3. Capnometers	5		Ì				b	2b
11.6. Operate								
11.6.1. Wright respirometer	5						2b	3c
11.6.2. Peak flow meter	5						2b	3c

			3. Certif		4.			
1 Tasks Knowledge and Technical Deferences	2. Core Tasks	А	В	С	D	Е	Profi Co	ciency des
1. Tasks, Knowledge and Technical References	("warume)	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Phase I	Phase II
11.6.3. Inspiratory force meter	5						2b	3c
11.6.4. Transcutaneous monitor							b	-
11.6.5. Pulse oximeter	*5						2b	3c
11.6.6. Capnography	*5						2b	3c
11.6.7. Humidification devices	*5						2b	3c
11.6.8. Suction equipment	*5						2b	3c
11.6.9. Pleural Drainage Device							2b	3c
11.8. Airway management								
11.8.1. Establish and manage airway	-	1				T	T	
11.8.1.1. Nasopharyngeal	*						2b	3c
11.8.1.2. Oropharyngeal	*						2b	3c
11.8.1.3. Esophageal-tracheal	-	1				T	T	
11.8.1.3.1. Combitube, King Tube, etc.							1b	3c
11.8.1.4. Supraglottic airways			-	-	-	_	-	-
18.8.1.4.1. Laryngeal Mask Airway, etc.							1b	3c
11.8.1.5. Endotracheal tube	*5						2b	3c
11.8.1.6. Tracheostomy tube	*5						b	3c
11.8.1.7. Laryngectomy tube	5						b	2b
11.8.1.8. Speaking valves	5						b	2b
11.8.2. Perform intubation procedures	*5						2b	3c
11.8.3. Perform extubation procedures	*5						2b	3c
11.8.4. Properly position a patient	5						b	3c
11.8.5. Recognize difficult airway	5						b	3c
11.8.6. Treat obstructed / lost airway	*5						b	3c
11.8.7. Maintain position of / secure artificial airway	*5						2b	3c
11.8.8. Maintain appropriate cuff inflation	*5						2b	3c
11.8.9. Maintain adequate humidification	5						b	3c
11.8.10. Reposition or change endotracheal or tracheotomy tube	*5						b	3c
11.8.11. Perform tracheotomy care	5						b	3c
11.8.12. Initiating protocols to prevent ventilator associated pneumonia (VAP)	5						b	2b
11.8.13. Devices that assist with intubation				1	1		1	1
11.8.13.1. Endotracheal Tube Exchanger	*5						1b	30
11.8.13.2. Video Laryngoscopy	5						10 1b	30
11.9. Perform airway clearance techniques	· · ·	1		1	1	1		
11.9.1. Apply suctioning techniques								
11.9.1.1. Artificial airway	*5						2b	3c
11.9.1.2. Nasopharyngeal	*5						b	3c
11.9.1.3. Oropharyngeal	*5						b	3c
11.9.2. Give specialized breathing instructions								
11.9.2.1. Inspiratory muscle training techniques							b	3c

		3. Certification for OJT						4.
1 Tasks Knowledge and Technical Deferences	2. Core Tasks	А	В	С	D	Е	Profi Co	ciency des
1. Tasks, Knowledge and Technical References	("warume)	Training Start	Training Complete	T rainee Initials	Trainer Initials	Certifier Initials	Phase I	Phase II
11.9.2.2. Assisted cough							b	3c
11.9.2.3. Huff cough							b	3c
11.9.3. Perform chest physiotherapy techniques		<u> </u>						
11.9.3.1. Chest percussion and postural drainage	5						b	3c
11.9.3.2. Positive expiratory pressure therapy	5						b	3c
11.9.3.3. Percussion vest (HFCWO)							b	-
11.9.3.4. Vibration							b	3c
11.9.3.5. Intrapulmonary percussive ventilation (IPV)							b	3c
11.9.3.6. Insufflation / exsufflation device							b	3c
11.9.4. Perform hyperinflation techniques								
11.9.4.1. Intermittent positive pressure breathing treatments							la	-
11.9.4.2. Instruct use of incentive spirometry	5						2b	3c
11.10. Hemodynamic monitoring				•			•	
11.10.1. Operate / manipulate								
11.10.1.1. Monitoring devices	5						b	2b
11.10.1.2. Pressure transducers							b	2b
11.10.1.3. Catheters								
11.10.1.3.1. Arterial							b	2b
11.10.1.3.2. Central Venous Pressure							b	2b
11.10.1.3.3. Pulmonary Artery Catheter								
11.10.1.3.3.1. Pulmonary Artery Pressure							b	2b
11.10.1.3.3.2. Pulmonary Capillary Wedge Pressure							b	2b
11.10.2. Interpret hemodynamic monitoring results							b	2b
11.11. Initiate and conduct patient and family education								
11.11.1. Safety and infection control	5						а	2b
11.11.2. Home care and equipment							а	2b
11.11.3. Smoking cessation							а	2b
11.11.4. Pulmonary rehabilitation							а	2b
11.11.5. Disease management	•			•	•	1		1
11.11.5.1. Asthma	5						а	2b
11.11.5.2. COPD	5						а	2b
11.11.5.3. Cystic Fibrosis	5						а	2b
11.11.5.4. Ventilator dependent	5						а	2b
11.11.5.5. Sleep disorders							а	2b
11.12. Recommend Diagnostic Procedures								
11.12.1. Skin testing, e.g., TB or allergy							В	с
11.12.2. Lab Tests		<u> </u>						
11.12.2.1. Complete Blood Count (CBC)	5						В	с
11.12.2.2. Electrolytes (BMP/Chem 7)	5						В	с
11.12.2.3. Coagulation studies	5						В	с
11.12.2.4. Sputum culture and sensitivities	5						В	с
11.12.2.5. Cardiac Biomarkers							В	с
11.12.3. Radiographic and other imaging studies	5						В	с

3. Certification for OJT					r OJT		4.	
1 Tasks Knowledge and Technical References	2. Core Tasks (*Wartime)	А	В	С	D	Е	Profi Co	ciency des
1. Tasks, kilowedge and reeninear kelerenees	(wartinic)	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Phase I	Phase II
11.12.4. Bronchoscopy								
11.12.4.1. Diagnostic	5						В	с
11.12.4.2. Therapeutic	5							
11.12.4.3. Bronchoalveolar lavage (BAL) or mini-BAL							В	с
11.12.5. Pulmonary function testing							В	с
11.12.6. Exhaled Gas Analysis e.g., CO2, CO, FENO							В	с
11.12.7. Blood gas analysis and/or Co-Oximetry	5						В	с
11.12.8. EKG	5						В	с
11.12.9. Non-invasive Monitoring								
11.12.9.1. Capnography	5						В	с
11.12.9.2. Pulse oximetry	5						В	с
11.12.9.3. Transcutaneous monitoring							В	с
11.12.10. Hemodynamic monitoring								
11.12.10.1. Blood pressure							В	с
11.12.10.2. Central Venous Pressure							В	с
11.12.10.3. Pulmonary Artery Pressure							В	с
11.12.10.4. Pulmonary Capillary Wedge Pressure							В	с
11.12.11. Sleep studies							В	с
11.12.12. Thoracentesis							В	с
11.13. Recommend Respiratory Care Plan Modifications		•		•	•	•		
11.13.1. Treatment termination, e.g., life-threatening adverse event	5						В	с
11.13.2. Starting treatment based on patient response	5						В	с
11.13.3. Treatment of pneumothorax	5						В	с
11.13.4. Adjustment of fluid balance	5						А	b
11.13.5. Adjustment of electrolyte therapy	5						А	b
11.13.6. Insertion or change of artificial airway	5						В	с
11.13.7. Liberating from mechanical ventilation	5						В	с
11.13.8. Extubation	5						В	с
11.13.9. Discontinuing treatment based on patient response	5						В	с
11.13.10. Recommend changes to			<u>.</u>					
11.13.10.1. Patient position	5		[В	с
11.13.10.2. Oxygen therapy	5						В	с
11.13.10.3. Humidification	5						В	с
11.13.10.4. Airway clearance	5						В	с
11.13.10.5. Hyperinflation	5						В	с
11.13.10.6. Mechanical ventilation parameters and settings	5						В	с
11.13.11. Recommend pharmacologic interventions	5						В	с
11.14. Utilize Evidence-Based Medicine Principles								
11.14.1. Classification of Disease Severity	5						В	с
11.14.2. Recommendations for changes in a therapeutic plan when indicated	5						В	с
11.14.3. Application of evidence-based or clinical practice guide	elines							

		3. Certification for OJT						4.
	2. Core Tasks	А	В	С	D	Е	Profi Co	ciency des
1. Tasks, Knowledge and Technical References	("wartine)	Training Start	Training Complete	T rainee Initials	Trainer Initials	Certifier Initials	Phase I	Phase II
11.14.3.1. ARDSNet	*5						В	с
11.14.3.2. NAEPP							В	b
11.14.3.4. GoldCOPD							В	b
12. PHARMACOLOGY								
TR: Egan's Fundamentals of Respiratory Care; Rau's Respirator	ory Care Pharmaco	ology						
12.1 Medication classifications								
12.1.1. Respiratory medications								
12.1.1.1. Bronchodilators	*5		ſ				А	b
12.1.1.2. Anti-inflammatory drugs								
12.1.1.2.1. Cromolyn sodium	5						А	b
12.1.1.2.2. Corticosteroids	5						А	b
12.1.1.2.3. Leukotriene antagonists	5						А	b
12.1.1.3. Mucolytics and proteolytics								
12.1.1.3.1. Pulmozyme	5						А	b
12.1.1.3.2. Mucomyst	5						А	b
12.1.1.4. Pulmonary Vasodilators		1		1	1			
12.1.1.4.1. Inhaled NO	5						А	b
12.1.1.4.2. Sildenafil	5						А	b
12.1.1.4.3. Prostacyclin	5						А	b
12.1.1.5. Surfactants	5						А	b
12.1.1.6. Antimicrobials, e.g., antibiotics	5						А	b
12.1.2. Sedatives and hypnotics	5						А	b
12.1.3. Analgesics	5						А	b
12.1.4. Neuromuscular blocking agents	5						А	b
12.1.5. Benzodiazepine Antagonists	5						A	b
12.1.6. Narcotic Antagonists	5						A	b 1
12.1.7. Cardiovacaular drugs of a ACLS protocol agents	5						A	b
12.1.7. Cardiovascular drugs, e.g., ACLS protocol agents							A	b
							Λ	U
12.2. Administer respiratory medications	-	I	1	I	I	1		
12.2.1. Metered dose inhalers	5						1b	3c
12.2.2. Handheld nebulizers	5						11	3c
12.2.5. Dry powder inhaler	5						1b 1-	30 2-
12.2.4. Endotracheal Institution	5						D h	30
12.2.5. Respinat	5						U h	30
12.3. Calculate Drug Dosage Strengths			<u> </u>				2h	3c
12.4. Changes to drug, dosage and/or concentration							b	3c

			3. Certifi	cation for	r OJT		4	4.
	2. Core Tasks (*Wartime)	А	В	С	D	Е	Profi Co	ciency des
1. Tasks, Knowledge and Technical References	(* wartime)	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Phase I	Phase II
13. SPECIALTY RESPIRATORY CARE								
TR: Egan's Fundamentals of Respiratory Care; TCCC Guideline	s; CBRNE Guid	elines						
13.1. Extracorporeal Membrane Oxygenation							-	-
14. Expeditionary Medical Readiness (EMR)								
14.1. Obtain/Maintain DHA's TCCC Tier 3							-	3c
14.2. CBRNE							-	-

Training Reference Bibliography Commercial and Other Service Publications

REOUIRED REFERENCES:

Gerard J. Tortora, (2017) Principles of Anatomy and Physiology, John Wiley & Sons Publisher, 15th edition, ISBN-13 978-1119329398

Barbara Aehlert, (2020) ECG's Made Easy, Mosby Elsevier Publishers, 6th edition, ISBN-10 9780323401302

Jae K. Oh, MD, (2018) The Echo Manual, Lippincott Williams & Wilkins Publishers, 4th edition, ISBN-10 1496312198

Morton J. Kern, MD, (2019) Cardiac Catheterization Handbook, Elsevier Publishers, 7th edition, ISBN-10 0323597734

Gregg L. Ruppel, (2022) Manual of Pulmonary Function Testing, Elsevier Mosby Publishers, 12th edition, ISBN-10 0323762611

Robert M. Kacmarek, (2019) Egan's Fundamentals of Respiratory Care, Elsevier Mosby Publishers, 12th edition, ISBN-10 0323511120

Gary C. White, (2012) Basic Clinical Lab Competencies for Respiratory Care: An Integrated Approach, Delmar Cengage Learning Publishers, 5th edition, ISBN-10 1435453654

Douglas S. Gardenhire, (2020) Rau's Respiratory Care Pharmacology, Elsevier Publishers, 10th edition, ISBN-10 03235536488

William J. Malley, (2005) Clinical Blood Gases: Assessment and Intervention, Elsevier Saunders Publishers, 2nd edition, ISBN-10 072168422X

Kettering National Seminars (2022) Respiratory Therapist Multiple Choice and Clinical Simulation Home Study (for CRT and RRT).

L. Maximilian Buja & Jagdish Butany, Cardiovascular Pathology 5th edition, ISBN-10 0128222247

Karin C. Vanmeter & Robert J. Hubert. (2021) Microbiology for the Healthcare Professional., 3rd edition, ISBN-10 0323757049

Kathryn Booth & Thomas O'Brien. (2019) Electrocardiography for Healthcare Professionals., 5th edition, ISBN-10 1260064778

SUPPLEMENTAL REFERENCES:

Neil R. MacIntyre, (2008) Richard D. Branson, Mechanical Ventilation, Elsevier Saunders Publishers, 2nd edition, ISBN-10 1416031413

Brian K. Walsh. (2019) Neonatal and Pediatric Respiratory Care. 5th edition, ISBN-10 0323479472

Robert L. Wilkins, (2018) Clinical Assessment in Respiratory Care, Elsevier Mosby Publishers, 8th edition, ISBN-10 0323416357

Will Beachey, (2016) Respiratory Care Anatomy and Physiology: Foundations for Clinical Practice, Elsevier Mosby Publishers, 4th edition, ISBN-10 9780323416375

SUGGESTED WEB LINKS:

Accreditation Association for Ambulatory Health Care: <u>http://www.aaahc.org/</u>

Accreditation for Cardiovascular Excellence: http://www.cvexcel.org/About.aspx

Advanced Life Support (ALS): https://www.redcross.org/take-a-class/als-and-pals/als-certification

Air Force Credentialing Opportunities On-Line: https://afvec.us.af.mil/afvec/af-cool/welcome

Air Force E-Publishing: <u>http://www.e-publishing.af.mil/</u>

Air Force Medical Service Knowledge Exchange: https://kx.health.mil/Pages/default.aspx

American Academy of Pediatrics: https://aap.org/

American Academy of Sleep Medicine: http://www.aasmnet.org/accreditation.aspx

American Association for Respiratory Care: http://www.aarc.org/

American Cancer Society: https://www.cancer.org/

American College of Allergy, Asthma & Immunology: https://acaai.org/

American College of Cardiology: <u>https://www.acc.org/</u>

American College of Chest Physicians: http://www.chestnet.org/

American Red Cross: https://www.redcross.org/

American Lung Association: <u>http://www.lung.org/</u>

American Registry for Diagnostic Medical Sonography: http://www.ardms.org

American Thoracic Society: http://www.thoracic.org/

ARDS Network: <u>http://www.ardsnet.org/</u>

Basic Life Support (BLS): https://www.redcross.org/take-a-class/bls-training/bls-for-healthcare-providers

Cardiovascular Credentialing International: www.cci-online.org/

Centers for Disease Control and Prevention: http://www.cdc.gov/

Centers for Sustainment of Trauma and Readiness Skills (C-STARS): https://kx.health.mil/kj/kx2/CSTARS/Pages/home.aspx

Cochrane Collaboration: http://www.cochrane.org/

College of American Pathology: http://www.cap.org/apps/cap.portal

Commission on Accreditation for Respiratory Care: http://www.coarc.com/ Comprehensive Medical Readiness Program (CMRP) Kx: https://kx.health.mil/kj/kx9/CMRP/Pages/home.aspx Comprehensive Medical Readiness Program (CMRP) Kx: https://kx2.afms.mil/kj/kx9/CMRP/Pages/home.aspx Cystic Fibrosis Foundation: https://www.cff.org/ Global Initiative for COPD: http://goldcopd.org/ The Joint Commission: http://www.jointcommission.org/ Joint Trauma System Clinical Practice Guidelines: https://jts.amedd.army.mil/index.cfm/PI_CPGs/cpgs National Asthma Education and Prevention Program (NAEPP): https://www.nhlbi.nih.gov/science/nationalasthma-education-and-prevention-program-naepp National Asthma Educator Certification Board (NAECB): https://www.naecb.com/ National Board for Respiratory Care: https://www.nbrc.org/ National Heart, Lung, and Blood Institute (NHLBI): www.nhlbi.nih.gov Neonatal Resuscitation Program (NRP): https://www.aap.org/en/learning/neonatal-resuscitation-program/ Occupational Safety & Health Administration: http://www.osha.gov/ Pediatric Advanced Life Support (PALS): https://www.redcross.org/take-a-class/als-and-pals/als-pals-training Respiratory Care Practitioner Kx Site: https://kx.health.mil/kj/kx9/RespiratoryCarePractitioner/Pages/RCP%20Homepage.aspx Society for Critical Care Medicine: https://www.sccm.org/Home Sustained Medical and Readiness Trained (SMART): https://kx.health.mil/kj/kx2/SMART/Pages/home.aspx The Society for Healthcare Epidemiology of America: http://www.shea-online.org/ United States Environmental Protection Agency: http://www.epa.gov/

United States Food and Drug Administration: http://www.fda.gov/

SECTION B – COURSE OBJECTIVE LIST (COL)

Course Objectives for Initial Skills Course. To obtain a copy of a COL,contact: 383 TRS/TRR
 Training Development Element
 3480 Garden Avenue
 Joint Base San Antonio—Fort Sam Houston TX 78234 Phone: DSN 420-5157 or Commercial: (210) 808-5157

6. **Measurement.** Each proficiency coded task or knowledge item taught at the technical school is measured using an objective. An objective is a written instruction for the students, so they know what is expected of them to successfully complete training on each task or knowledge item. Each objective is composed of a condition, behavior and a standard. The condition is the setting in which the training takes place (i.e., type of equipment or references, etc.). The behavior is the observable portion of the objective (i.e., perform hand washing, etc.). The standard is the level of performance that is measured to ensure the proficiency code level is attained (e.g., to a 70% or with no instructor assists). All objectives use a progress check (PC) or written test (W) or a combination of both to measure a student's ability (skill) orknowledge.

7. **Standard.** The minimum standard for written examinations is 70%. The standard for performance objectives (skills) varies and are indicated in the objective and the performance checklist. The instructor documents each student's progress during skills evaluations with the use of a checklist. Students must satisfactorily complete all progress checks prior to taking a writtentest.

8. **Proficiency Level.** Key personnel at the Cardiopulmonary Laboratory Schoolhouse correlated the preponderance of 4H STS task proficiency codes with the CoARC and NBRC teaching matrices. As a result, most task performance must be taught to the "3c" proficiency level. This indicates that students can do all parts of the task and only need a spot check of completed work (competent), and they can identify why and when the tasks must be done and why each step is needed (operating principles).

9. **Initial Medical Readiness Training**. As directed by AFI 41-106, initial medical readiness training is provided within the Expeditionary Medical Readiness Course (EMRC), which is conducted at 59th Training Group, Camp Bullis, TX. The EMRC course occurs during the Cardiopulmonary Apprentice Phase I Course. Completed training is documented on AETC Form 15, *Student Training Report* (or computer-generated student report) for each course attendee. Sustainment Medical Readiness Training for the individual is the responsibility of each medical facility.

10. Advanced Skills Course. There is currently no advanced course. This area is reserved.

SECTION C – SUPPORT MATERIALS: The following list of support materials is not all-inclusive; however, it covers the most frequently referenced areas:

11. **Qualification Training Packages (QTPs):** There are 3 volumes of QTPs that consist of 31 modules available for the 4H0X1 career field. Any additional QTPs will be addressed with MFMs and will be identified during periodic updates of this CFETP.

11.1. QTPs listed in this section have been developed and is intended to use as additional resource. All QTPs listed can be obtained through the Respiratory Care Practitioner Kx website:_ https://kx.health.mil/kj/kx9/RespiratoryCarePractitioner/Pages/RCP%20Homepage.aspx.

11.2. To assist in the standardization of training and to eliminate duplication, the QTPs listed in this section must be used when applicable to an individual's duty position.

11.3. When identified as applicable to an individual's duty position, the frequency that training must be accomplished by using each of the QTPs listed in this section is specified next to each QTPmodule.

11.4. QTPs have been developed and are listed on the following pages for the following specialties:

Table 11-1. 4H0X1 Qualification Training Packages

TITLE	VOLUME	MODULES
QTP 4H0X1-1, Respiratory Therapy Competencies	1	20
QTP 4H0X1-2, Pulmonary Services Competencies	2	6
QTP 4H0X1-3, Cardiology Services Competencies	3	5

NOTE: CFM approval is required for all QTPs. MAJCOM coordination is required when requesting development of new QTPs. POC for QTP development is the 59th Training Group, 383 TRS/XUFC, JBSA-Fort Sam Houston, TX.

SECTION D – TRAINING COURSE INDEX

12. **Purpose.** This section of the CFETP identifies training courses available for the Cardiopulmonary Laboratory specialty.

12.1. Refer to the ETCA (<u>https://etca.randolph.af.mil</u>) for complete information on the courses listed in this section.

Table 12-1. Resident courses applicable to AFSC 4H0X1.	

COURSE NUMBER	TITLE	LOCATION
L3ABJ4H031 01XX	Cardiopulmonary Laboratory Apprentice – Phase I	JBSA- Fort Sam Houston, TX
L5ABO4H031 02XX	Cardiopulmonary Laboratory Apprentice – Phase II	JBSA- Fort Sam Houston, TX
JCORP4XXX XXXX	Expeditionary Medical Support (EMEDS)	JBSA-Fort Sam Houston, TX
B3AZYCCAT XXXX	Critical Care Air Transport Team-Basic Course	Wright-Patterson AFB, OH
B4AZYCINCY XXXX	Center for Sustainment of Trauma and Readiness Skills (C-STARS Cincinnati, Advanced CCATT)	University of Cincinnati, Cincinnati, OH
B4AZYBALTR XXXX	C-STARS Baltimore, Advanced Respiratory Therapist	University of Maryland, Baltimore, MD
BRAZYSTLRT XXXX	C-STARS St Louis, Advanced Respiratory Therapist	University of St Louis, St Louis, MO
B4XZYSMART XXXX	Sustained Medical and Readiness Trained, Regional Currency Site (SMART-RCS)	Nellis AFB, NV
J3AIRTXXXX 0B2B	Initial Instructor Methodology Course	JBSA-Lackland, TX

NOTE: If the last characters of a course number are "XXXX", it is because as a course is revised, the characters will change. Refer to the ETCA for current course numbers.

12.2. Courses under development and/or revision. Current Cardiopulmonary Laboratory Phase I and II Courses will be revised with the publication of this CFETP.

SECTION E – MAJCOM UNIQUE REQUIREMENTS

13. Air Reserve Component (ARC)

13.1. Purpose. This section applies to all Respiratory Care Practitioner personnel assigned to the Air Reserve Component (ARC), further defined as the Air Force Reserve (AFR) and Air National Guard (ANG) medical units.

13.1. **Entry requirements**. Prospective 4H0X1 ARC candidates must meet all of the Air Force Enlisted Classification Directory (AFECD) education requirements before the start of Phase I.

13.3. ARC candidates will submit their official education transcripts for review to the Wing Education and Training Office for compilation and submission to the College of Allied Health Science (CAHS) for review before submission for a course seat. Courtesy copy the AFR 4H0X1 Functional Manager or the ANG 4H0X1 CFFM. All AFECD education requirements credits must be met before the start of Phase I to satisfy the degree requirements, otherwise course dismissal is permitted.

13.4. **ARC CCATT and EMEDS Participation.** To be a member assigned to a CCATT or EMEDS UTC, the 4H0X1 will: 1) Maintain an RRT 2) Be employed as a Respiratory Therapist commensurate to either Full Time (FT) or Part Time (PT) employment 3) RCP employment shall be at a Level I or II trauma center with access to a critical care environment with ventilator management. Other job locations will need to be approved by the 4H0X1 CFM, routed through the ARC or ANG functional.

13.5. **CERFP/HRF Participation (ANG only).** Members assigned to a CERFP/HRF UTC will maintain a job as a RRT in a job that constitutes FT or PT employment at a Level I or II trauma center with access to a critical care environment with ventilator management. Other job locations will need approval by the 4H0X1 CFM, routed through MAJCOM CFFMs.

13.6. **ANG Only:** The following SEI is available for the 4H0X1 career field: SEI Code: 012, Weapons of Mass Destruction Civil Support Team (WMD-CST) member.

13.6.1. Currently, only the National Guard has the WMD-CST mission requirement. No RegAF or AFR positions are impacted. If the mission expands to either the RegAF or AFR, the respective component functional must be advised to coordinate where, what, and which AFSCs/positions will be impacted.

13.6.2. ANG personnel transferred to RegAF will retain the SEI for possible future contingency and/or deployment requirements.

13.7. Reference 4H0X1 AFECD for more information.

ARC 4H0X1 Training Matrix							
Location	Requirements	Non- Prior Service	Prior Service	Limited Scope 4H0X1 (Note 1, 2)	Notes		
	Candidate possesses RRT	N/A	N/A	Required			
	UMD position	Required	Required	Required			
	Meets AFECD entry criteria	Required	Required	Required			
	College transcripts evaluated by Wing Education & Training Office and reviewed by CAHS	Required	Required	Required			

Home	100% completion of all college courses are required, before start of Phase I course (student will not be allowed to attend without)	Required	Required	Required	
Station	Cleared to attend school (Wing A1/FSS schedule in TEAMS)	Required	Required	N/A	
	Maintain a job as a CRT/RRT	Required	Required	Required	
	UTC assignment and formal training				IAW AFI
	(EMEDS/CCATT/etc.)	As	As	As	41-106
		Required	Required	Required	
	AFSC Sustainment Training (TAAs/MOUs),				Every 12-
	Annual Tour Training, etc.)	As	As	As	24 months
		Required	Required	Required	

Table 13-1

ARC 4H0X1 Training Matrix

Note 1: Limited Scope 4H0X1 members are considered any non-Air Force trained Registered Respiratory Therapists who meet the AFECD and waiver criteria. This includes civilian and military trained personnel. Direct Duty (non-prior service) Accessions must attend Basic Military Training. ARC Limited Scope 4H0X1s are Respiratory Therapists that, by definition, meet the 4H0X1 readiness mission by daily practice in the civilian workforce. If ARC Limited Scope 4Hs are called to backfill RegAF 4H0X1s at a Military Treatment Facility, Limited Scope members may need OJT in Pulmonary or Cardiology Services, depending on their background.

Note 2: Limited Scope 4H0X1 members must submit a waiver memorandum to their MAJCOM Functional Manager with the following components:

- Official transcripts from RT program
- College Degree / Diploma, NBRC RRT certification / credential (current)
- Copy of state license (current)
- Resume or CV
- Other Certifications (BLS, ACLS, PALS, NRP, ACCS, CPFT/RPFT, NPS, etc.)
- Employment Verification Memo (obtain from MAJCOM Functional)

• Approximately 2 weeks of RT skills validation required at a phase 2 training location or TAA site (TAA sites must be approved by the 4H CFM)

**A template memorandum is available on the Knowledge Exchange (Kx). **

Note 3: ARC Phase 3 is designed to build a ready force and allows recent 3-Skill Level enlisted initial formal school graduates to remain on orders for the purpose of training via OJT and provide a means to accelerate 5 level upgrade training and improve readiness. Phase 3 duration and training locations are coordinated at the members unit.

Note 4: Units should use appropriated funds to pay for the Initial RRT Clinical Simulation Examination (CSE). Standard Form 182 (SF 182) should be utilized. (AFMAN 65-605, Volume 1, Budget Guidance and Technical Procedures, para. 4.60).

SECTION F – Documentation of Training (Medical Specific)

14. **Work Center Training Plan.** The purpose of this section is to provide guidelines and examples of proper documentation for the many electronic forms used in training of all enlisted medical personnel. Training documentation helps to assess readiness capability as well as individual strengths and weaknesses. It also aids compliance with internal and external regulating agencies. The enlisted training documentation is performed in the MyTraining and is accessible via the AF Portal. MyTraining serves as the single, automated repository for all medical enlisted specialty training. Refer to your Unit Training Manager for the most current policies and guidance on training documentation.

14.1. Master Training Plan (MTP).

14.1.1 An MTP is a reference guide developed for each section that includes all facets of training for individuals assigned. It is used as a reference source for the type of training and training documentation that occurs with each assigned member. The MTP is used to standardize training and to give trainers, trainees, supervisors, and noncommissioned officers in charge an overview of the training process for the duty section. Training managers will implement the MTP into MyTraining.

14.1.2. The MTP is an overview of training for the duty section. It should include all information involved in the training process for the duty section. Training will vary from section to section and person to person. However, certain documents will be a standard requirement for all MTPs. They are listed below:

14.1.2.1. Master Task List (MTL). The MTL identifies all day-to-day mission (duty position) requirements, core tasks, local and contingency tasks, and additional duties performed by work center personnel.

14.1.2.2. Current CFETP or AFJQS (if available).

14.1.2.3. If applicable, locally developed AF Form 797, *Job Qualification Standard Continuation/Command JQS* (Accessible in MyTraining), and AF Form 1098, *Special Task Certification and Recurring Training*.

- 14.1.2.4. Unit-Specific Orientation Checklist
- 14.1.2.5. Job Descriptions/Performance Standards
- 14.1.2.6. QTPs required to perform peacetime/wartime duties.

14.1.2.7. 4H0X1 Airmen will upload a copy of their degree and credential(s) into their MyTraining record.

14.1.2.8. *Recommendation*: Each MTP should have an official memorandum from the work center supervisor addressing key issues peculiar to the work center and implementation of the MTP.