

**Joint Service Aircrew Mask (JSAM)
Family of Systems UPDATE
(version 3.0)**

Date: 2014-07-16

USAACE - Aviation School

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This System Training Plan (STRAP) is preliminary.
Front end analysis (mission, task, job) is ongoing. USAACE - Aviation School will amend and update this STRAP as details solidify.

USAACE - Aviation School is the proponent for this STRAP.
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1.0 System Description

- The Joint Service Aircrew Mask (JSAM) is a Family of Systems (FoS) consisting of two (2) JSAM variants that will provide individual respiratory, ocular, and percutaneous protection for aircrews of fixed wing and rotary aircraft from traditional threat agents, Toxic Industrial Chemicals (TICs) and Toxic Industrial Materials (TIMs). The JSAM will be a light weight, protective mask system incorporating state of the art technology to protect U.S. forces from anticipated threats in all contemporary operational environments. The mask components will be optimized to minimize their impact on the wearer's performance, maximize its ability to interface with aircrew protective clothing, and provide improved field of view when compared to current aircrew protective masks.
- Each variant will be independently fielded. Variants share common capabilities to provide protection against chemical biological (CB) warfare agents, TICs and TIMs, but each is tailored to satisfy the requirements for different classes of rotary wing aircraft . The variant designed for use in the AH-64 is the Mask Protective Unit Number 6 (MPU-6 and 6A) which require unique helmet mounted displays. All other Rotary Wing aircrew will use the Mask Protective Unit Number 5 (MPU-5(V)/P). Both of which will have a detachable face plate and don-in-flight capability.
- Department of the Army service-specific concept of operations:
- JSAM will be worn as part of the Air Warrior System ensemble and its evolutionary improvement, the Air Soldier System. It will be compatible with and integrated into the Air Warrior system design, to include, but not limited to, the following subsystems: The Modular Integrated Helmet Display System, ANVIS-6 (V) night vision goggle system, AH-64 Integrated Helmet and Display Sighting System (IHADSS), and the Army Advanced Night Vision Goggle system. It will also be integrated with the subsystems of Aviation Life Support Equipment (ALSE), seating, portable aircrew systems, restraint systems, night vision goggles (NVG), sighting systems, communications systems,

aircraft mounted oxygen systems, and the currently fielded Joint Protective Aircrew Ensemble (JPACE). JSAM FoS variants will replace the M45 CB legacy aircrew protective mask in a single capability increment.

- First Unit Equipped Date: 1st Quarter FY 13

2.0 Target Audience

This reflects Department of the Army training requirements only. The training directorates of the individual services, the United States Air Force (USAF), United States Navy (USN), and United States Marine Corp (USMC), will address their specific training requirements.

Training is required for all Soldiers (Active Army, Reserve Component and National Guard) on flight status and/or individuals on flight status whose primary duty is serving as a flight crew member. Flight crewmembers include enlisted aircraft maintenance personnel, flight engineers, crew chiefs, aeroscout observers, aircraft technical inspectors, aero medical personnel, and individuals in a Table of Organization and Equipment (TO&E) position as door gunner assigned to a tactical unit engaged in combat. Chemical, Biological, Radiological and Nuclear (CBRN) and Aviation Life Support Equipment (ALSE) Soldiers will require training for service, support, sizing and fitting of the JSAM system. This may include the following Military Occupational Specialties (MOS):

- 15B Aircraft Powerplant Repairer
- 15D Aircraft Powertrain Repairer
- 15F Aircraft Electrician

- 15G Aircraft Structural Repairer
- 15H Aircraft Pneudraulics Repairer
- 15T UH-60 Helicopter Repairer
- 15U CH-47 Helicopter Repairer
- 61N Flight Surgeon
- 65DM3 Aviation Medicine Physician Assistant
- 66H Medical Surgical Nurse
- 67J Aeromedical Evacuation Officer
- 68W Health Care Specialist

- 68WF Flight Medic
- 74D Chemical, Biological, Radiological and Nuclear (CBRN) Specialist
- 152D OH-58D Pilot
- 152H AH-64D Attack Pilot
- 153A Rotary Wing Aviator
- 153D UH-60 Pilot
- 153E MH-60 Pilot
- 153L UH-72A Pilot
- 153M UH-60M Pilot

- 154C CH-47D Pilot

- 154E MH-47 Pilot

- 154F CH-47F Pilot

- 155A Fixed Wing Aviator

- 155E C-12 Pilot

Complete information is available on standards of grade, job and task performance duties, and training requirements for each MOS in Army Regulation (AR) 611-1 Military Occupational Classification Structure Development and Implementation, 30 Sep 1997.

Institutional training will be conducted as follows: [The Special Operations Aviation Training Center \(SOATC\)](#) will conduct training for its Mission Helicopter (MH-47) series at Fort Campbell, KY; Army National Guard (ARNG) and U.S. Army Reserve (USAR) members will receive training at the

Fixed-Wing Army National Guard Aviation Training Site (FWAATS), Bridgeport, West Virginia.

Courses Affected by JSAM

Professional Course Number	Course Title	Location
2C-SI/ASIK6/154E(MH-47G)	MH-47 Pilot (MH-47G Basic MSN QUAL	Fort Campbell, KY
NGB-15TG7	15TG7 (C-23) FE Qual/Transition Course	Clarksburg, WV
NGB-FAQC-23 Phase 2	C-23 Aviator Qualification Course (Flight)	Clarksburg, WV
NGB-FFWQ-12 Phase 2	C-12 Aviator Qualification Course (Flight)	Clarksburg, WV
NGB-FFWQ-26 Phase 2	C-26 Aviator Qualification Course (Flight)	Clarksburg, WV

Units will sustain training after completion of New Equipment Training (NET). Warrior Skills and Warrior Leader Skills Levels 1 through 4 will have operational, leader, or manager tasks incorporated into the respective

task listings of the Soldier's Manual of Common Tasks.

3.0 Assumptions

- Joint Project Manager Protection (JPM-IP) will field the JSAM to all Army aviation units throughout the force structure. JPM-IP will resource unit and self-development training, to include any Training Aids, Devices, Simulations or Simulators (TADSS) requirements. JPM-IP will also resource each variant New Equipment Training Team (NETT) requirement to include resources to support any Doctrine and Tactics Training (DTT) Team requirements to support operational testing, first unit equipped (FUE), and all subsequent NET.
- JPM-IP will provide resources and information needed to adjust doctrine, including Tactics, Techniques and Procedures, for application of JSAM variants as necessary.
- There will be no changes to organization structure when using JSAM.
- JPM-IP will institute changes and conduct training to apply JSAM force protection enhancements for Instructor and Key Personnel Training (IKPT), NET, unit and self-development training. Active Army and Reserve component training will be identical.
- The material developer (MATDEV) will provide a validated New Equipment Training Support Package (NETSP) to support all phases of initial training. The NETSP will maximize the use of technology in instructional and media design. The NETSP will include an operator or user's manual in hard and electronic copies that the user can carry with the equipment. It will include operator tasks such as preventative maintenance checks and services and troubleshooting. Technical Manuals will conform to applicable military and/or commercial specifications and be validated, verified and delivered to the user no later than (NLT) NET as systems are fielded. NET will be planned and executed using AR 350-1, Army Training and Leader

Development, 18 Dec 09 as a guide. Instruction will include safety, operation, and maintenance. The NET team will leave exportable training packets with fielded units to conduct sustainment training.

- The MATDEV shall qualify and provide courseware for the NETT for initial unit training. The funding for the NETT, to include travel funds will be provided by the JPM-IP. Qualification of the NETT will be accomplished during IKPT.
- JSAM may require an increase in training resources to provide Operational and Maintenance Training. If required, JPM-IP will provide the needed resources. The JSAM Acquisition Program Management Office (APMO) may produce a Joint System Training Plan for JSAM to identify specific training requirements and responsibilities such as training tasks, manuals, lesson plans, etc. The training program shall satisfy requirements for qualifying and sustaining operators, maintainers, trainers, and support personnel skills, knowledge, and task accomplishment capabilities. Where feasible, computer-based training and/or distributed learning procedures shall be developed to maximum training opportunities at the unit level.
- No training mask will be required for unit and self-development training; the actual mask will be used during these training activities. Training devices to complement mask training may be required and will be provided by JPM-IP.
- The requirement for JSAM will not result in an increase of manning requirements. The Army requires no new Military Occupational Specialties (MOSs) or new Additional Skill Identifiers (ASIs) to operate, maintain, or support JSAM.
- JSAM will minimize demands on base support operations and facilities sustainment, restoration and modernization. JPM-IP will be program and budget for any increases in these areas.

- The MATDEV will provide operator/maintainer publications to support operational testing and fielding peculiar to each variant. The United States Army Aviation Center of Excellence (USAACE) Directorate of Training and Doctrine (DOTD) will review instructional materials produced by the MATDEV for content and utility prior to implementation.
- Warrior Skills and Warrior Leader Skills Levels 1 through 4 will have operator, leader, or manager tasks incorporated into the respective task listings of the Soldier's Manual of Common Tasks.
- The MATDEV will use the Army Analysis, Design, Development, Implementation, and Evaluation (ADDIE) process in the production of all training products. These products must comply with standards and formatting specified in TRADOC Regulation 350-70 Army Learning Policy and Systems, 06 Dec 11 and be documented in the Training Development Capability (TDC) data base (a government furnished tool) or other database provided by the government. Interactive Multimedia Instruction (IMI) and Distributed Learning (dL) products must comply with the latest TRADOC Technical Media Standards and Sharable Content Reference Model (SCORM). Training for service and support of the JSAM components will be provided in specially designed courses to each fielded unit.
- Task analysis and individual and collective task development will be performed using TDC database software. Program of Instruction (POI) and Lesson Plans (LPs) will be developed by the contractor in accordance with (IAW) TRADOC Regulation 350-70, made available to the proponent training developer for review and will be stored in the TDC database.

4.0 Training Constraints

- Manpower. No known constraints. The system does not require an increase in personnel, military or civilian, to train, operate, maintain and support the JSAM system. The JSAM system will be supportable and maintainable within the current aviation force structure.
- Personnel. No known constraints. Personnel responsible for the service, support, sizing and fitting of the JSAM system components will be the Chemical Specialist (74D) and ALSE Soldiers. No new aptitudes, skills, or capabilities are required to operate, maintain, or support the JSAM in peacetime or war.
- Training. JSAM may require an increase in training resources to provide Operational and Maintenance Training. JPM-IP must ensure that it plans and budgets for any potential increase in resources.
- The MATDEV will place all training products (POI's, Lesson Plans, Task Lists, etc) in the Training Development Capability (TDC) program.
- An increase in training resources may lead to course growth at the institutional level which is contradictory to TRADOC Course Growth Policy. The MATDEV shall conduct an analysis of legacy system training to determine if training for JSAM can be delivered within existing training requirements. If JSAM training levels exceed current institutional requirements for legacy systems, JPM-IP shall resource the aggregate manpower and budget load for the schools and centers that will provide JSAM instruction so the current resource levels are not exceeded.
- Training devices to complement mask training may be required. If training devices are developed, the MATDEV shall provide these devices to all units during NET. Institutions will receive the devices prior

to scheduled class start dates. Device shall be interoperable with rotary wing and fixed wing aircraft simulators.

- Human Factors Engineering. No known constraints. JSAM system shall be designed to be compatible with other flight and mission equipment, provide comfort to each crewmember during extended wear in order to effectively perform their normal, primary and secondary mission related functions.
- System Safety. No known constraints. The JSAM will not present safety hazards to personnel throughout its life cycle. JSAM materials will be safe to use, store, and maintain throughout its life cycle. It will not damage equipment or be a source of unsafe static electricity. Disposal of any components during any stage of the life cycle will not result in damage to human health or the environment. If a power source is required, then the appropriate safety requirements will be met.
- Health Hazards. Health hazards associated with JSAM will be identified and eliminated or the risk of injuries to personnel reduced through design and selection of material. Some hazards include toxic or allergenic substance, combustible products, and heat stress. The JSAM will not present a shock hazard to personnel.
- Soldier Survivability. The JSAM will not inhibit airframe emergency procedures. It will not prevent operation of the aircrew ejection/restraint system, prevent parachute opening for fixed wing aircraft or cause adverse flotation characteristics. The JSAM will have features which make it compatible with emergency underwater breathing devices, provide aircrew-activated anti-suffocation and anti-drown capability. These and other Soldier survivability attributes will be outlined in the training material. Procedures describing these features will be clear and concise.
- Support Services. The MATDEV is responsible for establishing the service and support contract for the initial fielding years and will

ensure that proper logistical support is established through the normal Army logistics system so that services for the JSAM are accessible to both the Active Army and Reserve component.

5.0 System Training Concept

- The MATDEV, with active participation by proponent representatives, will require the contractor to develop, update, and provide a complete training system, (e.g., individual and collective task analysis, institutional training devices if required, IKPT, NET, etc.). It will support institutional, unit sustainment and self-development training. It will be developed using the Army Analysis, Design, Development, Implementation and Evaluation (ADDIE) using dL media when analysis supports the selection of dL. The training subsystem will be developed concurrently with the system, be government approved, and will be submitted to TRADOC 12 months prior to the beginning of institutional training.
- The MATDEV will develop a Sharable Content Object Reference Model SCORM 2004 compliant multimedia Training Support Package (TSP) compatible with the Army Learning Management System (LMS) and automation equipment installed in The Army Distance Learning Program (TADLP) Classrooms, classroom XXI, and Defense Information Systems Agency (DISA) installed infrastructure.
- The JPM-IP will provide a complete Training Support Package to the schools prior to the first scheduled class date. It will contain sufficient quantities of course material and TADSS to conduct training at the institution. Material should allow for both classroom and field environment training and extensive hands on training to ensure Soldiers master the requisite skills.
- JSAM IKPT will initially provide training to institutional course developers and key personnel who will assist in developing specific guidance for JSAM training. Subsequent training, as well as training documentation deliveries will be scheduled with sufficient time to have a fully trained force ready to support an operational system. Follow on and sustainment training will be responsibility of each unit. Personnel will use the training materials left behind by the

NETT to build unit training programs. Unit based training will consist of a sustainment training program to maintain proficiency of JSAM. Currently, the JSAM will not affect combined arms training strategies.

- The MATDEV shall provide courseware and personnel for the NETT to conduct initial unit training. Qualification for the NETT will be accomplished during IKPT.

- The MATDEV will provide a course of instruction, and an exportable TSP for all units scheduled to receive JSAM IAW the Basis of Issue Plan (BOIP). These materials will be developed and validated at Initial Operational Test and Evaluation (IOT&E) and issued to units prior to fielding. The TSP will be used by NETTs, during NET, and materials will remain with the unit upon completion for sustainment training.

5.1 New Equipment Training Concept (NET)

- Under the approval authority of the USAACE DOTD, the MATDEV will provide training products to conduct IKPT and support NET during developmental testing. The NETSP will be based on the Test Training Support Package (TTSP), modified by lessons learned during Operational Testing (OT). It will serve as the basis for self-development, unit sustainment and institutional training.
- The MATDEV will provide a validated NETSP to support all phases of initial training. The NETSP will maximize the use of technology in instructional and media design. The NETSP will include an operator or user's manual in hard and electronic copies that the user can carry with the equipment. It will include operator tasks such as preventive maintenance checks and services and troubleshooting. Technical Manuals will conform to applicable military and/or commercial specifications and be validated, verified and delivered to the user NLT NET as systems are fielded. NET will be planned and executed using AR 350-1, Army Training and Leader Development, Dec 09 as a guide. Instruction will include safety, operation, and maintenance. The NET team will leave exportable training packets with fielded units to conduct sustainment training. NET details will be in the NETP.
- NET will be monitored by the USAACE DOTD, [USACBRN School](#) , SOATC, and the FWAATS Training Directorates.
- The MATDEV will provide a NET Team for initial fielding and JSAM upgrades to gaining commands and will conduct operator/operator maintenance training. Receiving units are responsible for sustainment training, crew qualification, and proficiency training on the system.

5.2 Displaced Equipment Training (DET)

Displaced Equipment Training is not required at this time. If required in the future, Product Manager (PM) JSAM will develop Displaced Equipment Training Plans (DETP) for the JSAM system. PM JSAM will provide technical assistance to the trainer, when required, in developing DET materials or information. DETP will be prepared in accordance with Department of the Army Pamphlet 350-40 Army Modernization Training Plans for New and Displaced Equipment 17 Aug 1989.

5.3 Doctrine and Tactics Training (DTT)

The JSAM will be incorporated into existing CBRN doctrine, tactics, techniques, and procedures (DTTP). New doctrine may be required for the JSAM and as the program matures additional training analysis will be conducted. If DTT is required, the PM is responsible for funding and including the DTT requirements into the New Equipment Training Plan (NETP). The Combat and Training Developer are required to execute DTT. DTT is incorporated into the TTSP. DTT is performed in conjunction with test player training and NET. The PM will plan, program, and budget for DTT and NET. The individual services will provide Tactics, Techniques, and Procedural (TTP) familiarization training in conjunction with contractor provided IKPT, IOT&E, and NET.

5.4 Training Test Support Package (TTSP)

- The TTSP will meet content requirements established in DA PAM 73-1, paragraph 6-11. Products and process data will be delivered to the government using the Training Development Capability (TDC) system. The Product Manager (PM) JSAM, in conjunction with United States Army Aviation Center of Excellence (USAACE) Directorate of Training and Doctrine (DOTD), will develop an initial TTSP and provide it to the test manager before Operational Testing (OT). The PM will deliver the final TTSP NLT 90 days before testing begins. The initial TTSP will also support Instructor and Key Personnel Training (IKPT) as well as user training for OT.
- Initial TTSP. The initial submission is due to the test agency as specified in the Outline Test Plan. The Initial TTSP will contain:
 - STRAP or Training Data Requirements.
 - Test Training Certification Plan.
- Final TTSP. The final TTSP is prepared following IKPT and receipt of the New Equipment Training Test Support Package (NET TSP). It should be available 90 days prior to the commencement of test player training and the Operational Test Readiness Review (OTRR) #2. The Final TTSP will contain:
 - Training schedule for player personnel.
 - POI for each Military Occupational Specialty affected.
 - The Army External Evaluation.

- List of training devices, embedded training components, and simulators.
- Target audience description.
- Draft Soldier training publications or changes.
- Crew drills.
- Lesson plans.
- Ammunition, targets, and ranges required for training.
- Critical MOS task list.
- Technical manuals (TM) or changes to TMs.

6.0 Institutional Training Domain

The JSAM will not be taught institutionally.

6.1 Institutional Training Concept and Strategy

United States Army Chemical Biological, Radiological, Nuclear School will/may incorporate the JSAM into existing POIs for MOS course 74D. Currently this will include familiarization only.

6.1.1 Product Lines

The JSAM will not be taught institutionally.

6.1.1.1 Training Information Infrastructure

The JSAM will not be taught institutionally.

6.1.1.1.1 Hardware, Software, and Communications Systems

The use of Army Knowledge Online (AKO) and Joint Acquisition CBRN Knowledge System (J.A.C.K.S) Online will support the dL concept and facilitate the dissemination and delivery of training support information. Additional material and updated items are to be made available for dissemination at institutional training as well as for download.

6.1.1.1.2 Storage, Retrieval, and Delivery

Access and storage of JSAM training and information will be made available through one or more of the following locations:

- Logistics Support Activity (LOGSA)
- Army Knowledge Online (AKO)
- Joint Acquisition CBRN Knowledge System (J.A.C.K.S)

6.1.1.1.3 Management Capabilities

JSAM training products and information will be managed through the Standard Army Training System (SATS), and the Automated Instructional Management System - Personal Computer (AIMS-PC).

6.1.1.1.4 Other Enabling Capabilities

Not Applicable

6.1.1.2 Training Products

JSAM will not be taught institutionally.

6.1.1.2.1 Courseware

JSAM will not be taught institutionally.

6.1.1.2.2 Courses

JSAM will not be taught institutionally.

6.1.1.2.3 Training Publications

JSAM will not be taught institutionally.

6.1.1.2.4 Training Support Package (TSP)

JSAM will not be taught institutionally.

6.1.1.3 TADSS

The JSAM will serve as the TADSS.

6.1.1.3.1 Training Aids

6.1.1.3.2 Training Devices

6.1.1.3.3 Simulators

6.1.1.3.4 Simulations

6.1.1.3.5 Instrumentation

6.1.1.4 Training Facilities and Land

JSAM familiarity training will be conducted in a classroom environment using pre existing facilities and land.

6.1.1.4.1 Ranges

Not Applicable

6.1.1.4.2 Maneuver Training Areas (MTA)

Not Applicable

6.1.1.4.3 Classrooms

JSAM training will be conducted in a classroom environment using pre existing facilities and land.

6.1.1.4.4 CTCs

Not Applicable

6.1.1.4.5 Logistics Support Areas

Not Applicable

6.1.1.4.6 Mission Command Training Centers (MCTC)

6.1.1.5 Training Services

Not Applicable

6.1.2 Architectures and Standards Component

Not Applicable

6.1.3 Management, Evaluation, and Resource (MER) Processes Component

6.1.3.1 Management

Not Applicable

6.1.3.2 Evaluation

Not Applicable

Other							

Rationale: NET will use pre existing classrooms, equipment, and power by gaining unit.

Item Resourced	Prior	FY15 Yrs or \$K	FY16 Yrs or \$K	FY17 Yrs or \$K	FY18 Yrs or \$K	FY19 Yrs or \$K	FY20 Yrs or \$K
<u>Training Products</u>	\$39.5K			\$30K	\$49K	\$61.5K	\$61.5K
Training Pubs							
TSP	\$1K			\$1K	\$1K	\$1.5K	\$1.5K
IMI							
ETM							
STP							

IETM							
ARTEP/MTP							
Printing	\$29.5K			\$29K	\$48K	\$60K	\$60K
Distribution							
Other							

Rationale: The costs are for the -10, 23&P TM's, and the training support package.

7.0 Operational Training Domain

All training in the Operational Environment will be conducted by the Unit level CBRN NCO or ALSE Technician. The use of TM's, dL products, and hands-on familiarity of the system will provide the adequate sustainment training for the JSAM.

7.1 Operational Training Concept and Strategy

Not Applicable

8.0 Self-Development Training Domain

All Self-Development training will be conducted by the Unit level CBRN NCO (Army), ALSE Technician (Marines, Navy, Coast Guard, Air Force) and/or the pilots of the various airborne platforms as often as the training schedule of the unit dictates to remain familiar and proficient in the use and maintenance of the JSAM. The use of TM's, dL products on AKO, J.A.C.K.S On-line Training, and hands-on familiarity of the system will provide the adequate self-development training for the JSAM.

8.1 Self-Development Training Concept and Strategy

Not Applicable

A Milestone Annex

TRAINING DEVELOPMENT MILESTONE SCHEDULE - SHEET A		PAGE 1 OF 1 PAGES	REQUIREMENTS CONTROL SYMBOL
SYSTEM Joint Service Aircrew Mask (JSAM) Family of Systems	ACAT III	OFFICE SYMBOL ATZQ-TDT-N	AS OF DATE 20 MAY 10
POINTS OF CONTACT	NAME	OFFICE SYMBOL	TELEPHONE
MATERIEL COMMAND Joint Program Executive Office for Chemical and Biological Defense			
TRADOC PROPONENT	U.S. Army Aviation Center of Excellence		
	TCM N/A		
	CD: Mr. John Popovich	ATZQ-CDM-A	334-255-9130
	TD (AVN): SFC McFarland, Ryan	ATZQ-TDT-N	334-255-9338
	TD (CBRN): Mr. Nathan Kidwell		573-563-7096

Shield Integrator, Capabilities Integration Branch, Joint Requirements Office for CBRN Defense/J-8	Mr. Chris Donnelly	J8 JRO CBRN	703-602-0871	
Sustain/Shield Section Chief, Capabilities Integration Branch, Joint Requirements Office for CBRN Defense/J-8	Mr. Mark Mueller	703-602-9032		
JSAM Logistics ECBC/JPMO-IP	Mr. Mike McKenna	RDCB-DEP-J	410-436-1873	
SUPPORTING PROPONENTS:				
USACBRN School, DOT&LD	Mrs. Deneen Lee		573-563-7170	
FWAATS	SFC Ogden		DSN 661-3800	
Chief, Training Operations & Support Division US Army Aviation Logistics School	Rushton D. White	ATSQ-LAC-TO	757-878-1289	
ITEM	DATE	RESPONSIBLE AGENCY/POC		TELEPHONE
MNS:	25 JUL 1995	CRD, ACIS Branch USAACE	Mr. John Popovich	334-255-9130
SMMP:	TBP			
ORD:	6 APR 1999			
ILSMP:	TBP			

TTSP:	TBP			
QQPRI:	TBP			
BOIP:	TBP			
NETP:	TBP			

COMMENTS:

TRAINING DEVELOPMENT MILESTONE SCHEDULE - SHEET B		PAGE 1 OF 3 PAGES	REQUIREMENTS CONTROL SYMBOL
SYSTEM Joint Service Aircrew Mask (JSAM) Family of Systems	TRADOC SYMBOL ATZQ-TDT-N	AS OF DATE	
TRAINING PACKAGE ELEMENT/PRODUCT: New Equipment Training Products (TBD)			

LEGEND:	MILESTONES BY QUARTER															
	FY 13				FY 14				FY 15				FY 16			
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
System Critical Task List							X								X	
Program of Instruction (POI)																
Lesson Plans							X								X	
System Tasks in Training Development Capability (TDC) System							X								X	
Course Management Plan																
Interactive Multimedia Instruction																
Training Aids, Devices, Simulators and Simulations (TADSS)																
Army Training Literature:							X								X	

Technical Manuals, Soldiers' Manual, Trainers' Guide															
Instructor and Key Personnel (Combat Developer/NETT)							X								
Validate and Verify NET TSP							X								
First NET												X			
Doctrine and Tactics Training (DTT)															

NOTE: Identify **TRAINING DEVELOPMENT MILESTONES** . TRADOC FORM 569-1-R-E provides a detailed list of typical training development products required to support system training integration.

COMMENTS:

TRAINING DEVELOPMENT MILESTONE SCHEDULE - SHEET B	PAGE 2 OF 3 PAGES	REQUIREMENTS CONTROL SYMBOL
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SYSTEM Joint Service Aircrew Mask (JSAM) Family of Systems	TRADOC SYMBOL ATZQ-TDT-N	AS OF DATE
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TRAINING PACKAGE
ELEMENT/PRODUCT: Institutional Training Products (TBD)

LEGEND:	MILESTONES BY QUARTER															
	FY 13				FY 14				FY 15				FY 16			
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
Initial Individual Training Plan																
Annotated Task List																
Course Administration Data (CAD)																

Start Date															
Training Effective Analysis															

NOTE: Identify **TRAINING DEVELOPMENT MILESTONES** . TRADOC FORM 569-1-R-E provides a detailed list of typical training development products required to support system training integration.

COMMENTS: JSAM will not be taught institutionally

TRAINING DEVELOPMENT MILESTONE SCHEDULE - SHEET B		PAGE 3 OF 3 PAGES	REQUIREMENTS CONTROL SYMBOL
SYSTEM Joint Service Aircrew	TRADOC SYMBOL ATZQ-TDT-N	AS OF DATE	

Mask (JSAM) Family of Systems		
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TRAINING PACKAGE ELEMENT/PRODUCT: Unit Sustainment Training Products (TBD)

LEGEND:	MILESTONES BY QUARTER															
	FY 13				FY 14				FY 15				FY 16			
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
New Equipment Training Support Package																
Distributed Learning																
Computer Based Instruction																
Distributive Interactive Simulation																
Video Tele-Training																
Desktop Simulation																
Interactive Multimedia Instruction (IMI)																

B References

1. Capability Development Document (CDD), validated by JRO-CBRND 09 April 2012
2. Operational Requirements Document (ORD): Approved 6 April 1999
3. System MANPRINT Management Plan (SMMP): 27 June 99

C Coordination Annex

Organization/POC (Date)	Summary of Comments Submitted (A/S/C)			Comments Accepted/ Rejected						Rationale for Non-Acceptance - S, C
				Accepted			Rejected			
	A	S	C	A	S	C	A	S	C	
v2.2.2 James E Baker 2014/07/14 - 2014/07/24	Document Accepted As Written			0	0	0	0	0	0	-
v2.2.1 Approvals - Michael P Donohue 2014/07/14 - 2014/07/24	Document Accepted As Written			0	0	0	0	0	0	-
v2.2.1 Approvals - Robert A Story 2014/07/14 - 2014/07/24	Document Accepted As Written			0	0	0	0	0	0	-
v2.2 Army - USASOC 2014/06/24 - 2014/07/09	No Comments Submitted			0	0	0	0	0	0	-
v2.2 Army - USAREUR 2014/06/24 - 2014/07/09	Document Accepted As Written			0	0	0	0	0	0	-
v2.2 Army - USARC G7 (US Army Reserve Cmd) 2014/06/24 - 2014/07/09	No Comments Submitted			0	0	0	0	0	0	-
v2.2 Army - USAACE - Aviation School 2014/06/24 - 2014/07/09	No Comments Submitted			0	0	0	0	0	0	-

v2.2 Army - PM Air Warrior 2014/06/24 - 2014/07/09	No Comments Submitted			0	0	0	0	0	0	-
v2.2 Army - PEO Aviation 2014/06/24 - 2014/07/09	0	1	0	0	0	0	0	0	0	
v2.2 Army - MScOE - MANSCEM 2014/06/24 - 2014/07/09	0	1	0	0	0	0	0	0	0	
v2.2 Army - MCoE - Infantry & Armor School 2014/06/24 - 2014/07/09	Document Accepted As Written			0	0	0	0	0	0	-
v2.2 Army - MCCoE, DOT-S 2014/06/24 - 2014/07/09	No Comments Submitted			0	0	0	0	0	0	-
v2.2 Army - Army National Guard 2014/06/24 - 2014/07/09	No Comments Submitted			0	0	0	0	0	0	-
v2.1 Peer - USASOC 2014/06/05 - 2014/06/20	No Comments Submitted			0	0	0	0	0	0	-
v2.1 Peer - USARC G7 (US Army Reserve Cmd) 2014/06/05 - 2014/06/20	No Comments Submitted			0	0	0	0	0	0	-
v2.1 Peer - USAACE -										

Aviation School 2014/06/05 - 2014/06/20	No Comments Submitted	0	0	0	0	0	0	-
v2.1 Peer - TRADOC_ARCIC 2014/06/05 - 2014/06/20	No Comments Submitted	0	0	0	0	0	0	-
v2.1 Peer - PM Air Warrior 2014/06/05 - 2014/06/20	No Comments Submitted	0	0	0	0	0	0	-
v2.1 Peer - MSCoE - MANSCEN 2014/06/05 - 2014/06/20	No Comments Submitted	0	0	0	0	0	0	-
v2.1 Peer - MCoE - Infantry & Armor School 2014/06/05 - 2014/06/20	Document Accepted As Written	0	0	0	0	0	0	-
v2.1 Peer - ATSC Fielded Devices 2014/06/05 - 2014/06/20	No Comments Submitted	0	0	0	0	0	0	-
v2.1 Peer - ATEC 2014/06/05 - 2014/06/20	No Comments Submitted	0	0	0	0	0	0	-
v2.1 Peer - 84th Training (USAR) 2014/06/05 - 2014/06/20	No Comments Submitted	0	0	0	0	0	0	-

Key

Completed Review with Comments

Completed Review, No Comments

Active Review Occurring

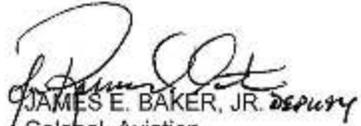
ATZQ-TD

JUL 16 2014

MEMORANDUM FOR RECORD

SUBJECT: Approval of the System Training Plan (STRAP) for the Joint Service Aircrew Mask (JSAM) Family of Systems UPDATE (Version 2.2)

1. Reference: System Training Plan Version 2.2, Joint Service Aircrew Mask (JSAM) Family of Systems UPDATE.
2. The STRAP for the Joint Service Aircrew Mask (JSAM) Family of Systems UPDATE is approved. Approved STRAP will be posted to the Central Army Registry (CAR) website. This STRAP can be found at the following web address:
<http://www.adtdl.army.mil/>.
3. The USAACE DOTD POC for this action is: Mr. Andrew Lecuyer, 334-255-2584 DSN (558) email: andrew.b.lecuyer.civ@mail.mil, U.S. Army Aviation Center of Excellence, ATTN: ATZQ-TDT-N, Fort Rucker, AL 36362-5202.


JAMES E. BAKER, JR. *deputy*
Colonel, Aviation
Director of Training and Doctrine

Approval Memo