



**Air and Missile  
Defense System Technician**

**(MOS: 140L)**

**WOBCWELCOME PACKET**

**23 October 2018**

**PATRIOT WARRANT OFFICER  
STUDENT GUIDE**

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**DEPARTMENT OF THE ARMY**  
HEADQUARTERS, 3<sup>rd</sup> BATTALION, 6<sup>TH</sup> AIR DEFENSE ARTILLERY REGIMENT  
30<sup>th</sup> AIR DEFENSE ARTILLERY BRIGADE  
BUILDING 4100 BRAGG ROAD  
FORT SILL, OKLAHOMA 73503

ATSA-TPF-OTD

23 October 2018

MEMORANDUM FOR PATRIOT WARRANT OFFICER BASIC COURSE (WOBC)

SUBJECT: Welcome Letter

1. Congratulations on your selection to attend the Air Defense Artillery (ADA) Patriot Warrant Officer's Basic Course (WOBC) for 140L. Your selection indicates that you are a proven leader and up to the challenge, that awaits you at the home of the Air Defense Artillery. The instructors, staff, and I, are committed to you. Your stay with us will be both challenging and rewarding.
2. Prior to your departure from your present unit, I would ask that you carefully review the enclosed packet and ensure you bring all the required documents and comply with all prerequisites contained therein.
3. The WOBC Course is located at Building 4100, Bragg Rd (McClymont Hall), Fort Sill, OK. The administrative and faculty offices are located inside of Building 1610, Randolph Rd. (Unit Orderly Room Area).
4. Students attending the course are not authorized TDY. This is a PCS move. If you are attending from outside of Ft. Sill, plan your finances carefully. Reporting early is highly recommended. You are responsible for preparing yourself prior to arrival at Fort Sill, OK. Utilize your read ahead packet; familiarize yourself with the course requirements. See the WO Net on-line site and the Patriot Warrant Officer Basic Course website under AKO for references to your read ahead packet.
5. Again, on behalf of the Officer Training Division, staff, cadre WOBC Course and the Commander of 3-6 ADAR, we congratulate you on your selection and look forward to your arrival.
6. POC for this memorandum is the undersigned at DSN 978-558-4256 or commercial (580) 558-4256 or [michael.w.epperson2.mil@mail.mil](mailto:michael.w.epperson2.mil@mail.mil). All information is located on the 3-6 ADAR website <https://www.us.army.mil/suite/page/515076> and the WO Net - <https://forums.bcks.army.mil>

*ORIGINAL SIGNED*  
MICHAEL W. EPPERSON  
CW3, AD  
WOBC 140L Course Manager

## Section I

### Pre-Arrival Requirements

#### 1. Purpose of the Patriot Warrant Officer Basic Course:

a. To assess and train Warrant Officers WO-1s, on the expert skills, knowledge, and techniques necessary to apply maintenance and logistical support to the Patriot battery's training and maintenance plans (BTRY/BN level) in order for units to meet Tables I thru XII requirements. Provide expert advice to unit commanders on the maintenance, logistics, and reporting of the PATRIOT Weapons System.

b. If you are selected by the Air Defense Branch Proponent to attend WOBC you should be familiar with the following areas: (See reading list on page 14 and WOBC course syllabus for additional references required for each training module.)

#### 2. Obtain and read the student guide:

a. The student guide is intended to assist incoming students in order to understand the WOBC Course policies and requirements before reporting for training. Each policy or guideline has been established based on TRADOC requirements, course requirements, past experiences of WOBC students and course cadre.

b. Upon your notification of selection to attend the PATRIOT Warrant Officer Basic Course, visit your BDE SPO, Battalion Readiness Center OIC, Patriot BTRY Maintenance WO, or S-3 to receive a current copy of the WOBC student guide and reading list that is on-line. You are required to be familiar with the contents of the student guide and all in-processing paperwork must be completely filled out prior to your arrival at the school. Contact your Brigade, Battalion, or Battery Maintenance WOs or S-3 for any questions or concerns.

c. If you are properly prepared prior to your arrival at the school and adhere to the requirements and policies outlined in this student guide, your stay here will be a very rewarding experience.

d. The Fort Sill website provides a great deal of newcomer's information, <https://www.sill.army.mil>.

e. Fort Sill Information is DSN 639-2121 or COMM 580-442-2121.

## Section II

### Arriving at the WOBC Course

#### 1. Reporting and In-processing:

a. Reporting and in-processing at WOBC is quick and easy. If you read and respond to those items in this student guide, there will be minimal delay upon your arrival. Please review the information in this section and prepare those items that will assist you and the cadre during the in-processing phase.

b. All personnel will report to **Building 4100 Bragg Road, Room 120 (McClymont Hall)** DSN 312-639-4174 or COMM 580-558-4174, in ACU's. Students are to report at 0800 hours on the report date with all the required documents. Once you have reported you will be assigned to your class Mentor and they will get you through in-processing that is approximately two days. Once you have received orders from Bldg. 4700 you will in-process the HQ/A orderly room that is located in Bldg 1610, Randolph Road. After duty hours you will report to 30<sup>th</sup> ADA BDE Staff Duty located in Bldg. 1611 Randolph Road DSN: 312-639-2091 or COMM: 580-442-2091.

**2. Fort Sill Geronimo Lodging:** BOQ's are available for 10 days (see Housing to verify availability). For personnel needing housing report 10 working days before class begins to look for housing. You will not be allowed to search for housing when school starts. Most rooms have an iron, ironing board, TV, telephone, microwave, telephone, microwave, desk, straight back chair, desk lamp, small refrigerator and closet. There is a washer and dryer in the building. Fort Sill maps are available at the Fort Sill Welcoming/In-processing Center, Bldg. 4700, Mow-Way Road.

**3. Orders:** You will be assigned to HQ/A, 3-6 ADAR for administration and UCMJ purposes. Have at least five copies of your PCS orders upon arrival at Bldg. 4700 Mow-Way Road, and your DA Form 31 to start in-processing.

#### 4. Documents required for in-processing:

- a. PCS orders - five copies
- b. A copy of your last ERB and newly updated ORB.
- c. A copy of DA Form 705 (PT Test), DA Form 5500 or DA Form 5501 (Body Fat Content Worksheet) as appropriate, not to exceed 30 days from the start date.
- d. Verification of security clearance (minimum: Secret).
- e. If you are 40 years old or older, you must have a physical date from SF 88 or DD Form 280-8.
- f. Provide the OTD Chief a copy of any permanent or temporary profiles during in-processing.
- g. FB Form 780 (filled out during in-processing)
- h. DA Form 31

**5. Uniforms:** The duty uniform is ACUs. (See list below):

**6. WOBC Packing List**

- a. 2 pair - ACU boots
- b. 1 pair - Running shoes
- c. 4 sets – ACUs (Counting the one you are wearing for in-processing) 1 each - Patrol caps NOTE: (ACU cap)
- d. 1 each - Black Beret (Ft. Bragg selectees wear their appropriate headgear, only after you are given your clearing papers)
- e. 1 each - Gortex Jacket\*\*
- f. 1 each – hearing protection
- g. 1 set - Army PT uniform - BLACK (with shorts, LS and SS T-shirt ) (recommend you bring more than one sets) (winter sweat suit and 1 each black cap) \*\*
- h. 1 pair - Army black gloves with inserts (MO&E and PT) 5 pair - White or Black socks (no stripes or logos, calf high) Appropriate underwear for uniforms
- i. 1 PT Belt
- j. 1 dress uniform - Army Service Uniform (ASU) w/long and short sleeve shirts, with appropriate headgear and awards for graduation, DA Photo, monthly Payday Activities, and UCMJ as needed.

**7. Civilian Attire:** Social dress for after duty functions is normally casual, e.g., dress slacks, sport shirt, etc.

**8. Dining Facility:** Students will be provided necessary time to have meals during the duty day.

**9. Pay:** If you do not have or receive a Government Credit card, your travel expenses will only be reimbursed when paid for on Government Credit Card. Check with your unit Government Card Representative and S-4 prior to departure for information on funds during PCS to WOBC only. Once assigned, see the BN S-3 about the status and payment of your card and account. If it is not paid in 30 days after your arrival, you will be counseled and sent before an ADP for failure to repay government debt.

**10. Mail:** An address can be provided and a mailbox assigned temporary, but is not recommended due to the PCS duration of the course.

**11. Emergency Phone Numbers:** Should an emergency occur during your stay, you can contact staff during duty hours (0700 - 1700 MST) at:

- a. OTD Training (OIC) DSN: 978-558-4252 or commercial (580) 558-4252
- b. WOBC Instructors: DSN: 978-4256 or Commercial: (580) 558-4256
- c. 30<sup>th</sup>, ADA, BDE SDNCO: DSN: 312-639-2091 or Commercial: (580) 442-2091

**12. Privately Owned Vehicles (POVs):** Upon arrival to Ft. Sill all Private Owned Vehicles (POV) are not required registration with Department of Defense (DOD). Nevertheless, students driving POVs are required to have in their possession proof of registration, insurance, and valid operator license. These documents must be current and valid through graduation. You are required to present your military identification card when you go through the gates of Fort Sill. POVs must be secured and the Army Physical Security Program will be adhered to at all times.

**13. Privately Owned Weapons:**

- a. Students attending the WOBC course are authorized to possess Private Owned Weapons (POW) while attending this course, but it is mandated that all soldiers assigned to Ft. Sill, OK have their POWs registered on-post.
- b. Illegal possession of guns, knives, clubs, martial arts devices or nightsticks are strictly prohibited. Illegal possession while attending the Patriot Warrant Officer Basic Course will result in immediate dismissal of the student and UCMJ action.

**14. Telephone Usage:** Military phones located in the offices are for official use only. Cellular phones are authorized in the school area but not in the classroom during scheduled training.

**15. Pass Policy:** During the course, your pass privileges are limited to the immediate area travel radius policy letter.

**16. Sick Call:** Medical care is available at Reynolds Army Medical Hospital, building 4301 Mow-Way Road, Fort Sill, OK. Students going on sick call must make an appointment during the hours of 0645 to 0730 and will notify the WOBC class leader, instructor, and course manager.

**17. Miscellaneous:**

- a. Bring health, dental, and shot records. Keep them in your possession or turn into appropriate health and dental agencies.
- b. Religious services are available on Fort Sill (Main post).
- c. You may want to bring with you or purchase upon arrival pens, pencils, highlighters and tabs. Also all Warrant Officer Basic Course students will be receiving numerous Patriot TMs and technical data in electronic format. All material will be on a CD and not on a thumbnail storage device or external device. All classified classes that are taught will have notes collected and stamped secret at the top and bottom and stored in a sealed envelope in the safe after each class.

## Section III Student Requirements

### 1. **Conduct and Discipline:**

a. **Formations:** You will be notified of all formations (time and place). Formations are conducted per FM 3-21.5 and FM 3-22.20. There will be no horse playing or unmilitary conduct in or out of formation.

b. **Personal Appearance:** Uniforms will be worn IAW AR 670-1. Ensure you know and comply with this regulation.

c. **Student Conduct:** Consumption of alcohol is prohibited while on duty. Any alcohol related incidents or misconduct will result in dismissal from the course in addition to any UCMJ actions. Students will follow all directions given by WOBC Cadre and disrespect of any type will not be tolerated.

2. **Honor System:** The honor system will be in effect throughout the WOBC course; any violation will be grounds for early removal or UCMJ.

3. **Physical Training and Weight Control:** The WOBC course is dedicated in the Army's effort to maintain a true fighting force, by conducting Physical Readiness Training Monday-Friday. Physical Readiness Training is geared to the age and physical abilities of the student. It is designed to assist the student to improve or maintain his/her physical wellbeing. If you do not meet AR 600-9 standards, you will be immediately placed on the Army's Weight Control Program.





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ATSA-TPF

23 October 2018

MEMORANDUM FOR LETTER OF INSTRUCTION

SUBJECT: EARLY REMOVAL FROM THE PATRIOT WARRANT OFFICER BASIC COURSE (WOBC)

1. **PURPOSE.** The following policy letter outlines early removal from the Patriot Warrant Officer Basic Course (WOBC).
2. **GENERAL.** Soldiers not adhering to the guidelines set forth for this class will have to appear before a Faculty Review Board (FRB), for elimination.
3. **PROGRAM.**
  - a. Soldiers can be removed from the Patriot Warrant Officer Basic Course (WOBC) by the Commander, 3-6 ADAR before course completion due to lack of a secret security clearance, academic failures, breach in security, falsification of information, excessive time missed, misconduct, disciplinary reasons, leadership deficiencies, and lack of motivation, failure to adapt, compassionate or hardship reasons, and for student's personal reasons.
  - b. Soldiers will be required to successfully pass all written and practical exams, have all documentation and possess all required clothing and equipment (TA-50) during in-processing on Day 1. Students will be counseled by the Chief Instructor for any of the dismissal reasons stated below.
  - c. All equipment will be clean and serviceable. ACU's will be the daily duty uniform. Students will graduate in ASU's.
  - d. Failure to comply with required documents, clothing or equipment requirements within 72 hours of the reporting period will result in a student dismissal from the WOBC course.
  - e. Failure to achieve course standard of 80 percent two times on a written or practical examination will result in dismissal from the course as an academic failure and referral to the FRB board.
  - f. Discipline issues relating to misconduct will result in immediate dismissal from the course. The student's will be processed through the convening of a FRB. The Schools Commandant or representative will decide the appropriate course of action based on the recommendation of the FRB.

ATSA-TPF

SUBJECT: EARLY REMOVAL FROM THE PATRIOT WARRANT OFFICER BASIC  
COURSE (WOBC)

g. Voluntary Resignation applies to any student who feels that he/she is no longer able to participate in the course, may request the appropriate personnel action.

4. POC for this memorandum is the undersigned @ DSN (580) 558-4180.

APPROVED:

//ORIGINAL SIGNED//  
DAVID M. MADISON  
CW4, AD  
Chief Instructor

## **Section IV Testing Procedures**

The WOBC course is conducted using six training phases (Modules A - F). There are multiple written and practical exams throughout the entire course. After successful completion of the course, students will receive a completed DA Form 1059, graduation diploma, and be awarded MOS 140L.

**1. Physical Fitness Testing Procedures / Standards:** Students are required to pass two APFTs before they graduate the course. APFT-1 is within the first two weeks and the APFT-2 is 6 months after the initial AFPT.

**2. Performance Summary:**

**a. Testing Standard for Maintenance and Logistics:**

(1) Written and Practical Examinations: During the Maintenance (22 weeks) and Logistics Phase (3 weeks) you must achieve an 80% to receive a GO on all written-OPEN book/note tests and 80% on all practical tests. You will be allowed to only re-test once during either the maintenance and logistics phase on the examination that the standard was not met.

(2) If the standard in the criteria mentioned above is not met, you will be sent before a FRB conducted by the 30th ADA Brigade Commander. If it is decided that you are not able to complete your training due to academics, the FRB may recommend separation from the United States Army. See AR 600-8-24 paragraphs 2-33 and 3-7.

## SECTION V

### Suggested Reading List for All Students

**We recommend you read the following references and get familiar with them, prior to attending the WOBC Course.**

#### MASTER REFERENCE LIST (WOBC Course)

##### "How to prepare for WOBC?"

- TM 9-1430-1600-10-1 ECS-Operations
- TM 9-1425-600-12 System Description
- FM 3-01.85 April 2006-PATRIOT Battalion and Battery Operations
- FM 3-01.86 July 2018; change 1, Dec 08-ADA PATRIOT BDE Gunnery Program
- FM 3-01.87 August 2006-PATRIOT Tactics, Techniques, and Procedures

#### CDs for your MOS 140L library

PATRIOT Air Battle University (ABU)-2 of 2 CDs for PDB 8.0.

**Note: These CDs give you a general understanding of PATRIOT Operations, along with the ECS- 10 manual.**

- Understanding of Tactical Control Officer Responsibilities (TCO)
- Understanding of Tactical Control Assistant Responsibilities (TCA)
- Understanding the usage and knowledge of Switches, Controls, Tabular Displays and Indicators
  - ECS Initialization
  - Radar Mapping
  - System Reorientation
- PATRIOT Commo Equipment Configuration 3
- Evaluation, Decision and Weapon Assignment
- Firing Battle Air Battle Management
- PATRIOT SUGs 1 thru 4 and FIX-FIGHT Criteria

#### Additional Materials

- TM 9-1430-PATRIOT-3S or newer CDs (EM 0197)
- TM 9-1425-602-12-4 SUG VOL-4, Basic-Knowledge of Figure 1 and Figure 2 Basic-Understanding of Missile Electronics Vol 1- DC Circuits/Applications Basic-Understanding of Missile Electronics Vol 2- AC Circuits/Applications Engineering Reference Handbook; January 1991, Raytheon
  - Introduction to Radar System; 3rd Edition, Merrill I. Skolnik Radar Basics; see [www.radartutorial.eu/index.en.html](http://www.radartutorial.eu/index.en.html)
- You will also need to look at the AR 700-138, 750-1, 750-8 and other Maint./supply/logistics manuals that you have no familiarity.
- Next, you will need to read about Two-Level Maintenance (TLM) and how we fix what we fight. Lastly, you need to read up on how the battery and the Maintenance Company use their FMT and ISE.

**SECTION VI**  
**Estimated Cost Sheet**

Students may opt to incur these expenses while attending the Patriot Warrant Officer Basic Course:

- T-shirt \$50.00 (approximately) Season dependent for \$50.00
- Guest Speaker gift \$14.00 (approximately)
- Class Photo \$18.00 (approximately)
- Classroom Legacy Project \$15.00 (approximately)



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ATSA-TPF-OTD

23 October 2018

MEMORANDUM FOR WOBC STUDENTS

SUBJECT: Class Policies

The following procedures apply to all students and will contribute to success throughout the course:

1. Be prepared for class:
  - a. Bring up all required references on computer before class begins.
  - b. Use the required reading list and be familiar with upcoming topics by reading up on the subject prior to the class.
  - c. Know where classes are being conducted and arrive early.
2. Courtesy and respect:
  - a. Raise your hand and wait to be called on to ask questions.
  - b. Do not converse with other students during class instruction.
  - c. Turn off all pagers and cell phones prior to the start of any instruction.
  - d. Conflicts between individuals, (students, instructors), will be resolved using the chain of command.
3. Class leader/ Assistant class leader responsibilities:
  - a. Accountability of all students at all times
  - b. Update FB Form 815 and inform the primary instructor of any absences.
  - c. Generate and maintain a class recall roster.
  - d. Ensure visitor's book is present whenever instruction is being given.
  - e. Act as a "link" between all students and cadre.
  - f. Supervise and inspect cleanup areas. Report to your class mentor when cleanup is complete.
4. Absence:
  - a. Approval for missing instruction must be granted ahead of time by the appropriate approving authority:
    - b. Emergency leave Unit Commander, HQ/A 3-6, ADAR
    - c. Exceeding one day of instruction Battalion Commander, 3-6 ADAR

5. Procedure:
  - a. Requestor will personally inform the class leader and submit reasons
  - b. Class leader will fill out FB Form 815 (located in visitor's book) and give the form to the primary instructor.
  - c. Reports of unauthorized absence or tardiness will be forwarded to the student's Unit Commander.
  
6. Cleanup:
  - a. Classroom cleanup will be conducted on a daily basis, and will include:
  - b. Sweeping or mopping, emptying trash cans.
  - c. Arranging tables, chairs, etc., in an orderly manner.
  - d. Ensuring the classroom does not have a cluttered appearance.
  - e. Securing classified information / material.
  
7. Hallway cleanup will be conducted daily on a rotating schedule with other classes in session. Areas include the break area where the soda machines are located, and two stairwells.
  - a. Sweeping, mopping
  - b. Emptying break area trash can into dumpster located behind building 4100
  
8. Food and beverage:
  - a. Drinks are allowed in the classroom but must be in containers with lids
  - b. Food and drinks are not allowed in the PCOFTs, or any PATRIOT equipment
  - c. Food will NOT be consumed during any instruction
  
9. Noise levels must be kept to an absolute minimum due to other classes being taught within Bldg. 4100.
  
10. The instructors and administration offices are OFF LIMITS to all students except Class Leaders and Assistant Class Leaders.
  
11. Classified Material will be made available to students throughout the course. Class leaders are responsible for ensuring that this material is secured daily and does not leave the training area. No one will be released until there is 100 percent compliance.
  
12. You may take notes on instruction that is considered classified.
  
13. This material will then become classified and must be stored in the OTD safe any time it is not being used.
  
14. Cadre at the end of the course will destroy classified notes. You may NOT take them with you after graduation.
  
15. Violations of the security policy will be immediately reported through the Chain of Command.

16. Telephones and computers:
  - a. Use of the telephones that are located in instructor's office is on a limited use basis only.
17. You may use the computers located in the instructor's office for official business purposes only.
18. POC is the undersigned at DSN 978-558-4251

*//ORIGINAL SIGNED//*  
DAVID M. MADISON  
CW4, AD  
Chief Instructor



**Section VIII**

**Course Curriculum**

**TRAINING MODULES (A-F)**

**(LOGISTICS PHASE)**

TRAINING MODULE A: LOGISTICS SUPPORT

**(MAINTENANCE)**

TRAINING MODULE B: ECS, EPP, AND AMG MAINTENANCE

TRAINING MODULE C: RADAR SET MAINTENANCE

TRAINING MODULE D: LAUNCHING STATION MAINTENANCE

TRAINING MODULE E: COMPREHENSIVE MAINTENANCE

**COMMON CORE**

TRAINING MODULE F: COMMON CORE

TRAINING MODULE Z: ADMINISTRATIVE