

3.5.1 Instructor Designations

LAAD 7212 INSTRUCTOR DESIGNATIONS (5000 Phase)	
INSTRUCTOR DESIGNATION	EVENTS
BI	IUT-5000, 5010, 5020, CERT-6001
SI	DESG-6320, IUT-5100, 5110, 5120, 5130, SCHL-6005
LETI	SCHL-6005
WTI	SCHL-6000

3.5.2 Certification. A certification refers to the evaluation process conducted during syllabus event(s) by a designated instructor or authorized personnel for the purpose of ascertaining proficiency as Assistant Gunner, Team Leader, Section Leader, Platoon Sergeant, or Operations Chief as a prerequisite to designation in those billets. May also serve to ascertain one-time proficiency evaluation for a given position/ billet.

CERTIFICATION	TRACKING CODE	REQUIREMENTS
Assistant Gunner (AGNR)	CERT-6001	Must complete 2000 phase events listed in Individual CSP Attain Table for AGNR.
Team Leader (TLDR)	CERT-6002	CERT-6001/ Min 6 months in A-Gunners billet. Must complete 2100 phase events listed in Individual CSP Attain Table for TLDR.
Section Leader (SLDR)	CERT-6003	CERT-6002/ Min 18 months in TLDR billet. Complete 2200 phase events listed in Individual CSP Attain Table for SLDR.
Platoon Sergeant (PSGT)	CERT-6004	CERT-6003/ Min 36 months in SLDR billet. Complete 2300 phase events listed in Individual CSP Attain Table for PSGT.
Operations Chief (OPSC)	CERT-6005	CERT-6004. Complete 2400 phase events listed in Individual CSP Attain Table for OPSC.

3.5.3 Qualification

a. Qualifications are assigned to personnel based on demonstration of proficiency in a specific skill. All qualifications are assigned one or more T&R qualification events. When all qualification requirements and events are completed, the individual may be granted the respective qualification by the commanding officer. Proficiency status of these qualification events is used to determine qualification status; an individual qualification status may be either "Qualified" or "Not Qualified."

b. Qualifications are not required for progression as a 7212, but give the ability to demonstrate and measure performance while conducting an assigned mission. Qualifications will be assigned to individuals; however it

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shows collective accomplishment of mission skills by the LAAD unit at a particular time and is intended to serve as a culminating event.

c. Qualifications are perishable. If a qualified individual departs the unit and another individual fills the billet, the unit must complete the requirements again for the new individual to achieve qualification. However, a subordinate billet holder may retain their qualification even if a higher individual departs the unit. An example is a section leader may retain his qualification even if there is a new platoon commander, however the new platoon commander must employ both his sections and headquarters to achieve his own qualification.

d. Requirements for qualification must be completed every twelve months.

QUALIFICATION	TRACKING CODE	REQUIREMENTS
Section Leader in GBAD	QUAL-6200	GBAD-3000, GBAD-3001, GBAD-3002, GBAD-3003, GBAD-3004
Platoon Sergeant in GBAD	QUAL-6201	GBAD-3010, GBAD-3011, GBAD-3012, GBAD-3013, GBAD-3014
BN/BTRY Operations Chief in GBAD	QUAL-6202	GBAD-3020, GBAD-3021, GBAD-3022, GBAD-3023
Section Leader in ABGD	QUAL-6210	ABGD-3100, ABGD-3101, ABGD-3102
Operations Chief in ABGD	QUAL-6211	ABGD-3103, ABGD-3104

3.5.4 Designation

a. A designation is a status assigned to an individual based on leadership ability. Designations are command specific and remain in effect until removed for cause or the individual is transferred to another command. Follow-on commands shall repeat the "initial documentation procedure." T&R syllabi shall refer to the MAWTS-1 course catalog and other applicable directives for instructor designation criteria.

b. Unit instructors are designated by the commanding officer. As a minimum, a unit should maintain one Weapons and Tactics Instructor (WTI) to support LAAD training and operations. LAAD SNCOs (7212) receive MOS 7277 upon completion of the WTI course. The completion certificate shall be placed in the IPR per chapter 2 of the reference. Instructor designations are outlined in the MAWTS-1 C3 Course Catalog and applicable directives.

DESIGNATION	TRACKING CODE	REQUIREMENT
Assistant Gunner (AGNR)	DESG-6110	CERT-6001
Team Leader (TLDR)	DESG-6111	CERT-6002
Section Leader (SLDR)	DESG-6112	CERT-6003
Platoon Sergeant (PSGT)	DESG-6113	CERT-6004
Operations Chief (OPSC)	DESG-6114	CERT-6005
LAAD Enhanced Tactics Instructor (LETI)	DESG-6115	SCHL-6005

Weapons and Tactics Instructor (WTI)	DESG-6322	WTI Course Graduate SCHL-6000
Basic Instructor	DESG-6116	CERT-6003, IUT-5000, IUT-5010, IUT-5020
Senior Instructor	DESG-6117	DESG-6116, IUT-5100, IUT-5110, IUT-5120, IUT-5130, SCHL-6005

3.6 PROGRAMS OF INSTRUCTION (POI)

3.6.1 Basic POI

WEEKS	COURSE / PHASE	ACTIVITY
1-12	Core Skill Introduction Training	MCD, USAADSCH
13-64	Core Skill Proficiency Training	LAAD Unit
65-169	Core Skill Training	LAAD Unit
170-190	Core Skill Plus Training	LAAD Unit

3.6.2 Refresher POI

WEEKS	COURSE / PHASE	ACTIVITY
12	Core Skill Basic Training	LAAD Unit
26	Mission Skill Training	LAAD Unit
26	Core Skill Plus Training	LAAD Unit

3.7 T&R SYLLABUS NOTES. The purpose of this section is to provide a standardized training program for all LAAD Gunners. The overall goal is to develop unit war fighting capabilities and not to measure the proficiency of individuals. Syllabi are based on specific performance standards designed to ensure proficiency in core competencies. An effective T&R program is the first step in providing the MAGTF commander with an Aviation Combat Element (ACE) capable of accomplishing any and all of its stated missions. The T&R program provides the fundamental tools for commanders to build and maintain unit combat proficiency and readiness. Using these tools, training managers can construct and execute an effective training plan that supports unit METs.

The majority of this LAAD syllabus is academic training and requires in-depth integration within the MACCS. Likewise, development of MAGTF training involving extensive integration with the Ground Combat Element (GCE) is mandatory in the development of a LAAD officer.

3.7.1 Environmental Conditions Matrix

Environmental Conditions	
Code	Meaning
D	Shall be conducted during hours of daylight: (by exception - there is no use of a symbol)
N	Shall be conducted during hours of darkness, may be aided or unaided
N*	Shall be conducted during hours of darkness must be flown unaided
(N*)	May be conducted during hours of darkness - If conducted during hours of darkness must be flown unaided
(N)	May be conducted during darkness - If conducted during hours of darkness; may be flown aided or unaided

NS	Shall be conducted during hours of darkness - Mandatory use of Night Vision Devices
(NS)	May be conducted during darkness - If conducted during hours of darkness; must be flown with Night Vision Devices
Note - If the event is to be conducted in the simulator the Simulator Instructor shall set the desired environmental conditions for the event.	

3.7.2 Device Matrix

DEVICE	
Symbol	Meaning
L	Event shall be conducted live (conducted in the field/garrison, during an exercise, etc). Requires live (non-simulated) execution of the event.
L/S	Event performed live preferred/simulator optional.
S/L	Event performed in simulator preferred/live optional.
G	Ground/academic training. May include Distance Learning, CBT, lectures, self paced.
CBT	Computer Based Training
LAB	Laboratory
LEC	Lecture
CP	Command Post
TEN	Tactical Environment Network. Events designated as TEN require an approved tactical environment simulation capable of introducing both semi-autonomous threats and moving models controllable from the tactical operator station.
TEN+	Enhanced Tactical Environment Network. Events designated as TEN+ require an approved tactical environment simulation and at least one additional, networked, man-in-the-loop simulator to meet the training objectives. A moving model controlled from the operator station does not satisfy the man-in-the-loop requirement.
Note - If the event is to be flown in the simulator the Simulator Instructor shall set the desired environmental conditions for the event.	

3.7.3 Program of Instruction Matrix

PROGRAM OF INSTRUCTION MATRIX		
Program of Instruction (POI)	Symbol	Aviation Ground
Basic	B	Initial MOS Training
Refresher	R	Return to community from non (MOS/Skill) associated tour
Maintain	M	All individuals who have attained CSP/MSP/CP by initial POI assignment are re-assigned to the M POI to maintain proficiency.

3.7.4 Event Terms

EVENT TERMS	
TERM	DESCRIPTION
Discuss	An explanation of systems, procedures, or tactics during the brief, exercise, or debrief. Student is responsible for knowledge of procedures.
Demonstrate	The description and performance of a particular event by the instructor, observed by the student. The student is responsible for knowledge of the procedures prior to the demonstration of a required event.
Introduce	The instructor may demonstrate a procedure or event to a student, or may coach the student through the maneuver without demonstration. The student performs the procedures or maneuver with coaching as necessary. The student is responsible for knowledge of the procedures.
Practice	The performance of a maneuver or procedure by the student that may have been previously introduced in order to attain a specified level of performance.
Review	Demonstrated proficiency of an event by the student.
Evaluate	Any event designed to evaluate team/crew standardization that does not fit another category.
E-Coded	This term means an event evaluation form is required each time the event is logged. Requires evaluation by a certified standardization instructor (NATOPS I, WTI, INST Evaluator etc.)

3.8 ACADEMIC TRAINING

1. Academic training shall be conducted for each phase/stage of the syllabus. Commanders are strongly encouraged to incorporate the lectures in appendix A into their training plans. Where indicated, standardized academic training materials exist and may be obtained from the sponsoring activity.

2. External academic courses of instruction suggested to supplement the syllabus are listed below.

COURSE	ACTIVITY
Machine Gunners Course	AIT, Division Schools East, Camp Geiger, NC, and AIT, Division Schools West, Camp Pendleton, CA
Platoon Sergeants Course	AIT, Division Schools East, Camp Geiger, NC, or AIT, Division Schools West, Camp Pendleton, CA
Infantry Operations Chief Course	AIT, Division Schools East, Camp Geiger, NC
Monitor Survey NBC	Marine Forces Atlantic NBCD School, Camp Geiger, NC
MAGTF Integrated Systems Training Center (MISTC) Blue Force Tracker Class	I MEF Camp Pendleton, CA, or II MEF Camp Lejeune, NC
LAAD Enhancement Training (LET)	MAWTS-1, Yuma, AZ
Weapons and Tactics Instructor (WTI)	MAWTS-1, Yuma, AZ
JRE Operators Course	Titan L3

3. References. References provided in appendix C should be utilized to ensure safe and standardized training procedures, performance standards, grading criteria and equipment operations.

3.9 CORE SKILL INTRODUCTION TRAINING (1000)

3.9.1 Purpose. This phase provides entry-level instruction to develop the basic skills necessary for a student to meet the requirements to be assigned MOS 7212, Low Altitude Air Defense Gunner. Embedded in this entry-level training is machine gun instruction required to support the second LAAD mission of providing ground security forces in defense of MAGTF air sites when not engaged in air defense operations. Failure of this machine gun training does not constitute failure of the LAAD Gunner Course due to its disassociation with the primary air defense mission. LAAD Gunners are considered trained on both weapon systems for deployment purposes; however, if the student fails to qualify with the weapons during entry-level instruction, further fleet training will be required to ensure the Gunner achieves qualification on these secondary weapons. This phase of training is complete upon graduation from the LAAD Gunners Course, Marine Corps Detachment (MCD), U.S. Army Air Defense Artillery School (USAADASCH).

3.9.2 General

3.9.2.1 Prerequisite. In accordance with the MOS Manual.

3.9.2.2 Stages. The following stage is included in the Core Skill Introduction Phase of training.

PAR NO.	STAGE NAME	ABBREV
3.9.3	LOW ALTITUDE AIR DEFENSE BASIC GUNNER COURSE	BGNR

3.9.3 Low Altitude Air Defense Basic Gunner Training (BGNR)

3.9.3.1 Purpose. To train students in entry level skills and provide them with a general working knowledge on the characteristics, capabilities, limitations, and operations of LAAD related systems and equipment.

3.9.3.2 General

Prerequisite. Must possess a GT score of 90 or higher, secret security clearance, normal color vision, 20/20 vision (may be correctable to 20/20 with eye glasses or contacts lenses), cannot be left eye dominant, not less than 64 inches in height, and must be a male U.S. citizen.

Crew Requirements. None.

Academic Training. Appropriate academic training will be IAW approved LAAD Basic Gunner Course POI.

Live and simulated training. 41 events, 378.50 hours.

BGNR-1000 1.75 B (*) ACADEMICS L

Goal. Understand the structure and responsibilities of the Low Altitude Air Defense (LAAD) BN.

Requirement. The student will state or identify the LAAD BN structure to include:

- (1) The organizational structure of the LAAD BN, to include number of batteries, platoons, sections, and teams.
- (2) The smallest tactical unit within a LAAD BN/BTRY.
- (3) The smallest tactical element in a LAAD BN/BTRY.
- (4) The geographical location of all LAAD units.
- (5) The primary & secondary missions of the LAAD BN.

Performance Standard. Without the aid of reference, during a written evaluation the student will correctly identify the structure of the LAAD Battalions.

Reference. MCRP 3-25.10_.

BGNR-1001 1.75 B (*) ACADEMICS L

Goal. State the Stinger missile system (RMP) characteristics.

Requirement. The student will understand the characteristics of the Stinger missile system (RMP). The student will state or identify the following characteristics:

- (1)Maximum velocity of a target the missile can engage.
- (2)Velocity of the missile.
- (3)Types of heat and light sources tracked by the missile
- (4)Maximum range of the missile.
- (5)Maximum altitude of the missile.
- (6)Inner launch boundary.
- (7)Sections of the missile.
- (8)Length of the missile.
- (9)Missile flight time.

Performance Standard. Without the aid of reference, during an evaluation the student will correctly identify the characteristics of the Stinger missile.

Reference. MCRP 3-25.10

BGNR-1002 1.75 B (*) ACADEMICS L

Goal. Identify the components of the Stinger missile.

Requirement. The student given a FHT Stinger missile round will identify the components of the stinger missile.

Performance Standard. During a performance evaluation the student will correctly identify the components of the stinger missile per the reference within three minutes.

Prerequisite. BGNR-1001.

Reference. MCRP 3-25.10.

BGNR-1003 1.75 B (*) ACADEMICS L

Goal. Identify shipping containers for the Stinger missile.

Requirement. The student will correctly identify the different types of shipping containers.

- (1) Missile Round Container (MRC).
- (2) Weapon Round Container (WRC).

Performance Standard. Without the aid of reference, during a performance evaluation the student will correctly identify the types of shipping containers.

Prerequisite. BGNR-1002.

Reference. MCRP 3-25.10.

BGNR-1004 3.0 B (*) (2) FHT S

Goal. Convert a Stinger missile round to a ready round.

Requirement. Within three minutes, the student, given a FHT Stinger missile round, will convert a Stinger missile round to a ready round.

- (1) Convert the missile round it to a weapon.
- (2) Convert the weapon round to a ready round.
- (3) Properly distinguish difference between missile round, weapon round, and a ready round.

Performance Standard. Without the aid of reference, during a performance examination, the student will convert a training Stinger missile round to a ready round within three minutes.

Prerequisite. BGNR-1003.

Reference. FM 44-18-1 and TM 9-1425-429-12.

BGNR-1005 2.75 B (*) (1) FHT S

Goal. Inspect a Stinger missile.

Requirement. In an academic setting, without the aid of reference, the student will conduct the thirteen critical checks to inspect a training Stinger missile. The following equipment will be provided: One Field Handling Trainer (FHT), training grip-stock, and a dummy BCU (not inserted).

- (1) Blowout disk.
- (2) Squib leads.
- (3) Launch tube.
- (4) Humidity indicator.
- (5) IR window.
- (6) Range ring.
- (7) Rear sight reticule.
- (8) Acquisition indicators (state safety precaution before continuing).
- (9) Safety and actuator switch.
- (10) Un-cage bar.
- (11) Firing trigger.
- (12) Latch mechanism.
- (13) Battery Coolant Unit (BCU).

Performance Standard. Without the aid of reference, during a performance examination, the student will correctly conduct the Stinger critical checks within 10 minutes.

Prerequisite. BGNR-1004.

Reference. FM 44-18-1 and TM 9-1425-429-12.

BGNR-1006 1.75 B (*) ACADEMICS L

Goal. Demonstrate knowledge of the Stinger Engagement Rules.

Requirement. The student will be able to state the following:

- (1) Target categories Stinger can engage
- (2) Lead & Elevation Rules
- (3) Range Ring rules

Performance Standard. Without the aid of reference, during a written examination the student will answer all the listed above

Prerequisite. BGNR-1001.

Reference. MCRP 3-25.10.

BGNR-1007 2.5 B (*) ACADEMICS L

Goal. Demonstrate knowledge of the Stinger Principle of Operations.

Requirement. The student will be able to state the following:

- (1) Engagement Process.
- (2) Principle of Stinger operations.
- (3) TAG Sequence.
- (4) Types of detonations.
- (5) Firing angles.

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Performance Standard. Without the aid of reference, during a written examination the student without error will answer all the listed above.

Prerequisite. BGNR-1006.

Reference. FM 44-18-1A (confidential), Basic I&KP instructor publication (Confidential), and RMP I&KP instructor publication (Confidential).

BGNR-1008 1.5 B (*) ACADEMICS L

Goal. Understand hang-fire, misfire, and dud procedures for the Stinger missile.

Requirement. Understand hang-fire, misfire, and dud procedures for a Stinger weapon.

- (1) Hang-fire.
- (2) Misfire.
- (3) DUD (Eject Only).
- (4) Safety Distances.

Performance Standard. Without the aid of reference, during a written examination the student will answer the procedures for hang fire, misfire, and DUD.

Prerequisite. BGNR-1007.

Reference. FM 44-18-1, TM 9-1425-429-12, and MCWP 3-25.10.

BGNR-1009 2.0 B (*) ACADEMICS L

Goal. Understand LAAD Weapon/Warning statuses.

Requirement. Understand LAAD Weapon/Warning statuses

- (1) Define the Air Defense Weapons Conditions (ADWC).
- (2) Define the air defense States of Alert (SOA).
- (3) Define the air defense Weapons Control Statuses (WCS).

Performance Standard. Without the aid of reference, during an examination the student will answer the procedures for hang fire, misfire, and DUD.

Reference. MCRP 3-25.10.

BGNR-1010 4.5 B (*) (1) COMPLETE IFF SYSTEM L

Goal. Demonstrate knowledge of the LAAD IFF operating system.

Requirement. The student will demonstrate knowledge, without the aid of reference, the IFF system utilized in the LAAD BN. The student will state or identify:

- (1) The purpose of the AN/PPX-3A/B and the difference between the two variants.
- (2) The IFF mode responses and how long codes may be utilized before superseding.

- (3) The An/PPX-3A/B battery life.
- (4) The range of the IFF when utilized with the Stinger missile obstructed and unobstructed.

Performance Standard. Without the aid of reference, during a written examination the student will successfully identify the IFF system utilized in the LAAD BN.

Reference. MCRP 3-25.10.

BGNR-1011 4.0 B (*) (1) Stinger Night Sight L

Goal. Demonstrate knowledge of the Training & Support equipment organic to LAAD.

Requirement. The student will be able to state the purpose of the following training and support equipment:

- (1) THT.
- (2) FHT.
- (3) STLS.
- (4) NICAD.
- (5) IFF Trainer
- (6) IMTS

Performance Standard. Without the aid of reference, during an examination the student will identify and state the purpose of each training and support equipment.

Reference. TM 09688A-10&P (AN/PAS-18) or replacement NET SNS publications.

BGNR-1012 4.0 B (*) (1) Stinger Night Sight L

Goal. Operate the Stinger Night Sight (SNS).

Requirement. The student, during a practical application exercise, will be given a SNS with all SL-3 components and will mount:

- (1) Demonstrate knowledge of the SNS.
- (2) Mount the SNS on the THT.
- (3) Operate the SNS.
- (4) Dismount the SNS from the THT.

Performance Standard. Without the aid of reference, during an examination the student will mount the SNS on a training Stinger missile and operate the SNS.

Reference. TM 09688A-10&P (AN/PAS-18) or replacement NET SNS publications.

BGNR-1013 16.0 B (*) (1) THT L

Goal. Engage a live aerial target with a Stinger Tracking Head Trainer (THT).

Requirement. During a live tracking exercise, the student, given a THT, will engage an aerial target.

- (1) Track and range target (i.e. time count method).
- (2) Activate weapon and obtains an acquisition tone.
- (3) Insert correct super elevation and lead reticule.
- (4) Hold trigger and un-cage bar 3 to 5 seconds to fire weapon.
- (5) Remove BCU from the grip-stock immediately.
- (6) Meet requirements on THT performance indicator after each THT engagement.

Performance Standard. During a training exercise, student will demonstrate the proper engagement process on an aerial target with a THT utilizing proper operating procedures and firing techniques.

Prerequisite. BGNR-1007.

External Syllabus Support. Appropriate aerial targets, RCMAT, and/or Remotely Piloted Target Systems (RPVTS) and firing range that is capable of supporting SHORAD missile systems.

Reference. FM 44-18-1 and TM 9-1425-429-12.

BGNR-1014	64.0	B	(*)	IMTS	S/L
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Goal. Engage aircraft with the Stinger missile system.

Requirement. The student using proper operating procedures and firing techniques will engage aircraft inside the IMTS.

- (1) Track and range target (i.e. time count method).
- (2) Activate weapon and obtains an acquisition tone.
- (3) Insert correct super elevation and lead reticule.
- (4) Hold trigger and un-cage bar 3 to 5 seconds to fire weapon and mitigate hang-fire.
- (5) Meet requirements performance indicator after each engagement.

Performance Standard. During a performance based evaluation, utilizing the Improved Moving Target Simulator (IMTS) the student will successfully engage three out of five hostile aircraft in the IMTS.

Prerequisite. BGNR-1013.

External Syllabus Support. Use of the U.S. Army IMTS facility and support personnel.

Reference. FM 44-18-1, FM 44-18-1A and TM 9-1425-429-12.

BGNR-1015	12.0	B	(*)	(1)HMMWV	L
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Goal. Establish a tactical Stinger team position.

Requirement. The student, provided with a fully equipped A-MANPAD vehicle with team equipment, will establish a team position with the assistance of another team member. The team will:

- (1) March order the LAAD team vehicle.
- (2) Establish a static team position.

Performance Standard. The student, during a performances evaluation, will be given a fully equipped A-MANPAD vehicle with team equipment, the assistance of another team member, will establish a tactical Stinger team position.

Prerequisite. BGNR-1007.

Reference. MCRP 3-25.10.

BGNR-1016 1.0 B (*) ACADEMICS L

Goal. Demonstrate knowledge of Aircraft Identification Technique.

Requirement. State the technique used to identify aircraft.

- (1) Understand WEFT method.
- (2) Wing.
- (3) Engine.
- (4) Fuselage.
- (5) Tail.

Performance Standard. Given a written examination the student will accurately identify the WEFT technique used to identify aircraft.

Reference. FM 3-01.80 and relevant creditable intelligence data.

BGNR-1017 44.0 B (*) ACADEMICS L

Goal. Visually identify aircraft.

Requirement. Correctly identify US aircraft using the WEFT method.

Performance Standard. During an aircraft recognition examination consisting of US aircraft in multiple aspects the student will accurately identify in a timeframe of 5 seconds per aircraft.

Prerequisite. BGNR-1016.

Reference. FM 3-01.80 and relevant creditable intelligence data.

BGNR-1018 16.5 B (*) ACADEMICS L

Goal. Perform land navigation skills.

Requirement. The student will demonstrate navigation skills utilizing a 1:50,000 military grid maps, and a protractor.

- (1) Orient a map utilizing terrain association.
- (2) Orient a map towards magnetic North utilizing a lensatic compass.
- (3) Determine the 4 and 6 digit grids of four objects on a map.
- (4) Find the location of an unknown point on a map by resection.
- (5) Find the location of an unknown point on a map by intersection.
- (6) Convert a magnetic azimuth to grid azimuth on a map.
- (7) Convert a grid azimuth to a magnetic azimuth.
- (8) Identify colors on a map.

Performance Standard. Without the aid of reference, during an examination the student will answer and perform each of the events listed above.

Reference. FM 3-25.26.

BGNR-1019 14.5 B (*) (1) GPS UNIT D L

Goal. Operate a military Global Positioning System (GPS).

Requirement. The student will demonstrate navigation skills utilizing a military GPS.

- (1) Initialize the military GPS.
- (2) View current position display.
- (3) Mark current position as a waypoint.
- (4) Enter additional waypoints.
- (5) Perform navigation operations.
- (6) State how to zeroize the GPS.
- (7) Locate the map datum horizontal and spheroid

Performance Standard. Without the aid of reference, during an performance examination the student will navigate to/from five designated distant navigational points.

External Syllabus Support. Approved local training area.

Reference. TM 09880C-OR.

BGNR-1020 1.75 B (*) ACADEMICS L

Goal. Identify manual cross-tell early warning information.

Requirement. The student will perform manual cross-tell procedures when given a blank map and a Cartesian Coordinate Reference Point, will properly create the Cartesian Coordinate Reference System (CCRS) on the map, and convert cueing information to a map location. The student will:

- (1) State how to properly read the CCRS.
- (2) Plot five received early warning cues.
- (3) State the purpose of the CCRP.
- (4) State how to properly read Polar Grid
- (5) Plot five received early warning cues.

Performance Standard. Without the aid of reference, during an examination the student will plot four out of five early warning cues.

Prerequisite. BGNR-1018.

Reference. MCRP 3-25.10.

BGNR-1021 1.75 B (*) ACADEMICS L

Goal. Demonstrate knowledge of the characteristics of the SINGGARS.

Requirement. The student will state the following:

- (1) State the frequency range of the SINCGARS.
- (2) State the two batteries used by the SINCGARS.
- (3) State the rated range of the SINCGARS in Low, Med, Hi & PA.
- (4) State the different nomenclature variants of the SINCGARS used in LAAD Bn.
- (5) State the purpose of the function switches on the RT face plate.

Performance Standard. Without the aid of reference, during an examination the standard is met when the student answers the characteristics of the SINCGARS radio.

Reference. MCRP 3-25.10.

BGNR-1022 9.5 B (*) (1) SINCGARS L

Goal. Operate the organic VHF radio.

Requirement. The student, given a communication requirement, will prepare and operate the SINCGARS in single channel (SC) mode. The following equipment is provided: a distant communication station already established, 1 SINCGARS RT SL-3 complete, and 1 power supply for the SINCGARS.

- (1) Install batteries.
- (2) Install antenna.
- (3) Connect handset.
- (4) Conduct a self-test of the SINCGARS.
- (5) Load single channel SC frequency.
- (6) Set SINCGARS to appropriate power level.
- (7) Establish communication with distant station in SC mode.
- (8) Zeroize crypto fill in SINCGARS.

Performance Standard. Without the aid of reference, during an examination the standard is met when the student performs each of tasks enabling him to communicate.

Prerequisite. BGNR-1021.

External Syllabus Support. Training frequencies.

Reference. FM 24-18, FM 24-19, TM 11-5820-890-10-1, TM 11-5820-890-10-2, and TM 11-5820-890-10-4.

BGNR-1023 1.0 B (*) (1) SINCGARS L

Goal. Troubleshoot the organic VHF radio.

Requirement. The student will troubleshoot the organic VHF radio, given a organic VHF radio operating a tactical or training net. The student will:

- (1) Check radio function configuration.
- (2) Check vehicular function configuration.
- (3) Run RT self-tests (BIT).
- (4) Check surrounding environment for obstacles/interference.

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Performance Standard. Without the aid of reference, during an examination the standard is met when the student correctly identifies the fault and establishes communications.

Prerequisite. BGNR-1022.

External Syllabus Support. training frequencies.

Reference. FM 24-18, TM 11-5820-890-10-1, TM 11-5820-890-10-2, TM 11-5820-890-10-3 and TM 11-5820-890-10-4.

BGNR-1024 3.5 B (*) ACADEMICS L

Goal. Understand proper handling of EKMS materials.

Requirement. The student will understand how to properly store, use, and destroy EKMS materials. The student will state or identify:

- (1) Categories of COMSEC material.
- (2) The destruction procedures in accordance with the reference.
- (3) The definition of Two Person Integrity (TPI).

Performance Standard. Without the aid of reference, during an examination the standard is met when the student correctly identifies each of the events listed above.

Reference. EKMS 1.

BGNR-1025 2.5 B (*) (1) SINGARS L

Goal. Perform basic communication skills utilizing authentication, encryption and decryption.

Requirement. The student will perform basic communication skills with the aid of an AKAC 1553. The student will:

- (1) Authenticate.
- (2) Encrypt.
- (3) Decrypt.

Performance Standard. Without the aid of reference, during an examination the standard is met when the student correctly performs the steps listed above.

Prerequisite. BGNR-1022.

Reference. MCRP 3-25.10*, FM-25.26, and EKMS 1.

BGNR-1026 1.0 B (*) (1) IFF SYSTEM, (1) GPS, (1) SINGARS L

Goal. Understand the emergency destruction procedures for the Stinger missile and all ancillary team equipment.

Requirement. The student will state or identify the desired methods for destroying the Stinger missile and all ancillary team equipment. The student will state or identify:

- (1) Destruction methods of the Stinger missile.
- (2) Zeroize procedures for LAAD equipment with crypto fills:
- (3) Destruction procedures for LAAD team ancillary equipment

Performance Standard. Without the aid of reference, during an examination the standard is met when the student correctly identifies the proper destruction procedures for equipment listed above.

Prerequisite. BGNR-1002, BGNR-1009, BGNR-1011, BGNR-1016, and BGNR-1017.

Reference. MCWP 3-25.10, MCWP 3-25.10, FM 23-65, TM 9-1425-429-12 (Ch 12), TM 09880C-OI, FM 23-65, MCWP 3-15.1, and TM 11-5820-890-10-8.

BGNR-1027 2.0 B (*) (1) M240 MMG L

Goal. State the characteristics of the M240 (MMG).

Requirement. The student will state the characteristics of the M240 (MMG). The student will state or identify:

- (1) State weapon conditions of the M240 MMG.
- (2) State the maximum effective range of the M240 MMG.
- (3) State the maximum ranges of the M240 MMG
- (4) State the muzzle velocity of the M240 MMG
- (5) State the sustained, rapid, and cyclic rate of fires of the M240 MMG
- (6) State the five main groups for the M240 MMG
- (7) State the cycle of functioning.

Performance Standard. Without the aid of reference, during an examination the standard is met when the student correctly states the information of the M240 as listed above.

Reference. MCWP 3-25.10, MCWP 3-25.10, FM 23-65, TM 9-1425-429-12 (Ch 12), TM 09880C-OI, FM 23-65, MCWP 3-15.1, and TM 11-5820-890-10-8.

BGNR-1028 2.0 B (*) (1) M240 MMG L

Goal. Perform operator maintenance for a M240 medium machine gun (MMG).

Requirement. The student, given a M240 MMG and proper lubricants, will perform operator maintenance for the M240 MMG in an unspecified amount of time.

- (1) Clear the weapon.
- (2) Disassemble the weapon.
- (3) Clean the weapon.
- (4) Lubricate the weapon.
- (5) Assemble the weapon.
- (6) Perform a function check.

Performance Standard. Without the aid of reference, during an examination the standard is met when the student correctly performs the tasks listed above.

Prerequisite. BGNR 1027

Reference. MCWP 3-15.1 and TM 08670A-10/1A.

BGNR-1029 2.0 B (*) (1) M240 MMG L

Goal. Mount a medium machine gun (MMG).

Requirement. The student, given an SL-3 complete M240 MMG will mount the MMG on the M122 tripod.

- (1) Mount on tripod.
- (2) Mount on vehicle.

Performance Standard. Without the aid of reference, during an examination the standard is met when the student correctly mounts the MMG in each position as listed above.

Prerequisite. BGNR 1028

Reference. MCWP 3-15.1 and TM 08670A-10/1A.

BGNR-1030 2.0 B (*) (1) M240 MMG L

Goal. Perform required action on medium machine gun (MMG).

Requirement. The student, given an SL-3 complete M240 MMG will perform required action on the MMG.

- (1) Perform immediate action on a MMG.
- (2) Perform remedial action on a MMG.
- (3) Load a MMG.
- (4) Change barrel on a MMG.

Performance Standard. Without the aid of reference, during an examination the standard is met when the student correctly performs each task as listed above.

Prerequisite. BGNR 1029.

Reference. MCWP 3-15.1 and TM 08670A-10/1A.

BGNR-1031 2.0 B (*) (1) M240 MMG L

Goal. State the characteristics of the M2.50 (HMG).

Requirement. The student will state the characteristics of the M2.50 (HMG). The student will state or identify:

- (1) State what the three weapon load conditions are.
- (2) State the maximum effective range of the M2.50 HMG.
- (3) State the maximum ranges of the M2.50 HMG.
- (4) State the muzzle velocity of the M2.50 HMG.
- (5) State the single shot, sustained, rapid, and cyclic rate of fires of the M2.50 HMG.
- (6) State the eight main assemblies for the M2.50 HMG.
- (7) State the cycle of functioning.

Performance Standard. Without the aid of reference, during an examination the standard is met when the student correctly states the information of the M2.50 HMG as listed above.

Reference. MCWP 3-25.10, MCWP 3-25.10, FM 23-65, TM 9-1425-429-12 (Ch 12), TM 09880C-OI, FM 23-65, MCWP 3-15.1, and TM 11-5820-890-10-8.

BGNR-1032 2.0 B (*) (1) M2.50 CAL L

Goal. Perform operator maintenance for a M2.50 cal HMG.

Requirement. The student, given an M2.5 HMG and proper lubricant materials, will perform operator maintenance for the M2 .50 cal HMG in an unspecified amount of time.

- (1) Clear the weapon.
- (2) Disassemble the weapon.
- (3) Clean the weapon.
- (4) Lubricate the weapon.
- (5) Assemble the weapon.
- (6) Perform a function check.

Performance Standard. Without the aid of reference, during an examination the standard is met when the student correctly performs the tasks listed above.

Prerequisite. BGNR-1031.

Reference. MCWP 3-15.1, FM 23-65, TM 11-5855-213-10, TM 11-5855-214-10 and TM 08670A-10/1A.

BGNR-1033 2.0 B (*) (1) M2 .50 cal HMG L

Goal. Mount a heavy machine gun (MMG).

Requirement. The student, given an SL-3 complete M2.50 HMG will mount the HMG on the M3 tripod.

- (1) Mount on tripod.
- (2) Mount on vehicle.

Performance Standard. Without the aid of reference, during an examination the standard is met when the student correctly mounts the HMG in each position as listed above.

Prerequisite. BGNR 1032.

Reference. MCWP 3-15.1 and TM 08670A-10/1A.

BGNR-1034 2.0 B (*) (1) M2 .50cal HMG L

Goal. Perform required action on heavy machine gun (HMG).

Requirement. The student, given an SL-3 complete M2.50 HMG will perform required action on the HMG.

- (1) Perform immediate action on a HMG.

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- (2) Perform remedial action on a HMG.
- (3) Load a HMG.

Performance Standard. Without the aid of reference, during an examination the standard is met when the student correctly performs each task as listed above.

Prerequisite. BGNR 1033.

Reference. MCWP 3-15.1 and TM 08670A-10/1A.

BGNR-1035 16.0 B (*) (1) INDOOR SMALL ARMS SIMULATOR S

Goal. Operate a M240 MMG.

Requirement. The student, utilizing an indoor small arms simulator or comparable simulator, will engage silhouette and ranged target scenarios with a M240 MMG simulator weapon.

- (1) Operate the M240 MMG by firing from dismounted position.
- (2) Operate the M240 MMG by firing from the mounted position.

Performance Standard. The student will engage targets within the parameters of each scenario.

Prerequisite. BGNR-1030.

Reference. MCWP 3-15.1 and TM 08670A-10/1A.

BGNR-1036 16.0 B (*) INDOOR SMALL ARMS SIMULATOR S

Goal. Operate a M2.50 Cal.

Requirement. The student, utilizing an indoor small arms simulator, will engage silhouette and ranged scenarios with a M2.50 Cal simulator weapon.

- (1) Operate the M240 MMG by firing from dismounted position.
- (2) Operate the M240 MMG by firing from the mounted position.

Performance Standard. The student will engage targets within the parameters of each scenario.

Prerequisite. BGNR-1034.

Reference. MCWP 3-15.1, FM 23-65, TM 11-5855-213-10, TM 11-5855-214-10 and TM 08670A-10/1A.

BGNR-1037 1.0 B (*) L

Goal. Create a range card pertaining to a machine gun position.

Requirement. During a practical application, the student, given machine gun position data, will create a range card. The range card will contain the following data:

- (1) Symbol of the weapon.

- (2) The azimuth (degrees) and distances (meters) of the firing position from an easily recognizable terrain feature. If there is no easily recognizable terrain feature, an eight digit grid coordinate may be used.
- (3) Left and right lateral limits.
- (4) Likely avenues of approach.
- (5) Dead space.
- (6) Direction of magnetic North.
- (7) Identification data to include unit designation (no higher than company/battery), date of preparation, and firing position (primary, alternate, or supplementary).

Performance Standard. Utilizing proper operating procedures and techniques, the student will place the M2.50 Cal into action within the required time (dismounted = 2 minutes, mounted = 1 minute) IAW the references.

Prerequisite. BGNR 1028, BGNR 1034.

Reference. FM 23-27 and MCRP 3-25.10*.

BGNR-1038 1.0 B (*) (1) M240 MMG L

Goal. Engage targets with the M240 MMG.

Requirement. During a live firing exercise, the student, given a SL-3 complete M240 and 200-rounds of 7.62mm, will conduct Familiarization Fire.

Performance Standard. Utilizing proper operating procedures and firing techniques, the student will engage ground targets.

Prerequisite. BGNR-1035.

Ordinance. (200) rounds of A131 CTG, 7.62mm, LINKED 4&1.

External Syllabus Support. Medium machine-gun range capable of supporting mounted and dismounted firing of 7.62mm at stationary ground targets that are setup at various ranges.

Reference. FM 23-65 and MCWP 3-15.1.

BGNR-1039 1.0 B (*) (1) M2.50 CAL L

Goal. Engage targets with the M2.50 Cal HMG.

Requirement. During a live firing exercise, the student, given a SL-3 complete M2.50 Cal and 200-rounds of 12.7mm, will conduct Familiarization Fire.

Performance Standard. Utilizing proper operating procedures and firing techniques, the student will engage ground targets.

Prerequisite. BGNR-1036.

Ordinance. (200) rounds of A576 CTG, CAL .50, 4&1 LINKED, F/M2.

External Syllabus Support. Heavy machine-gun range capable of supporting mounted and dismounted firing of .50 cal at stationary ground targets that are setup at various ranges.

Reference. FM 23-65 and MCWP 3-15.1.

BGNR-1040 8.0 B (*) (1) LIVE STINGER MSL L

Goal. Engage a live aerial target with a live Stinger missile.

Requirement. During a live firing exercise, the student, given a Stinger missile, will engage an aerial target.

- (1) Track and range target.
- (2) Activate weapon and obtains an acquisition tone.
- (3) Insert correct super elevation and lead reticule.
- (4) Hold trigger and un-cage bar 3 to 5 seconds to fire weapon.
- (5) Remove BCU from the grip-stock immediately.

Performance Standard. Utilizing proper operating procedures and firing techniques, the student will engage an aerial target.

Prerequisite. BGNR-1013.

Ordnance(1) of following Stinger missile types: PL-89, PL-90, or PL-93, and (1) PN-15 or PN-16 Stinger grip-stocks (Basic/RMP).

External Syllabus Support. Appropriate aerial targets, RCMAT, and/or Remotely Piloted Target Systems (RPVTS) and firing range capable of supporting SHORAD missile systems.

Reference. FM 44-18-1 and TM 9-1425-429-12.

BGNR-1041 125.5 B, R (*) (1) HMMWV L

Goal. Obtain a HMMWV license.

Requirement. In an appropriate environment, the student, when given a fully equipped HMMWV, tools, and publications, will obtain a HMMWV license.

Performance Standard. The evaluation will be conducted by designated licensing personnel.

Reference. MCO 11240.66D.

3.10 CORE SKILL PROFICIENCY TRAINING (2000)

3.10.1 Purpose. To train LAAD Gunners to become proficient Assistant Gunners (AGNR), Team Leaders (TLDR), Section Leaders (SLDR), Platoon Sergeants (PSGT) and Operation Chiefs (OPSC) by developing requisite skills and working knowledge relating to the characteristics, capabilities, limitations, and operation of LAAD related systems and equipment that LAAD Gunners are required to plan for and employ. To develop proficiency in LAAD employment and operations, in order to effectively execute a tactical mission as a leader of a LAAD unit. To develop knowledge and proficiency of LAAD tactics, techniques, and procedures (TTPs) while conducting Ground Based Air

Defense (GBAD). Upon completion of this phase, the LAAD gunner becomes eligible for the various stage certifications.

3.10.2 General

3.10.2.1 Prerequisite. Complete the Core Skill Beginner phase.

3.10.2.2 Administrative Notes

(1) Only designated WTI and/or LETI who are proficient and current in the event being instructed shall evaluate refresher or certification events as noted in the event itself.

(2) Events that are not refresher or certification can be evaluated by LAAD personnel who are current in the event being taught.

3.10.2.3 Core Skill Stages

PAR NO.	STAGE NAME	ABBREV
3.10.3	ASSISTANT GUNNER	AGNR
3.10.4	TEAM LEADER	TLDR
3.10.5	SECTION LEADER	SLDR
3.10.6	PLATOON SERGEANT	PSGT
3.10.7	OPERATIONS CHIEF	OPSC

3.10.3 Assistant Gunner (AGNR)

3.10.3.1 Purpose. To instruct the BGNR on the skills needed to effectively serve as an assistant gunner in a LAAD firing team. This phase provides training for the LAAD Basic Gunner to become a LAAD Assistant Gunner (AGNR) by developing skills and knowledge related to the characteristics, capabilities, limitations, and operation of LAAD related systems or equipment. This phase is complete when the Basic Gunner is certified as an Assistant Gunner.

3.10.3.2 General

Prerequisite. Single Channel Ground Airborne Radio System (MCI 2538A).

Live and Simulator Event Training. 27 Events/ 73 Hours.

AGNR-2000 1.0 B, R (365) (2) Organic VHF Radios L

Goal. Setup and operate LAAD Organic VHF Communications,

Requirement. Without the aid of references, setup, operate, and troubleshoot a LAAD Organic VHF.

- (1) Setup a LAAD Organic VHF portable Radio for frequency hopping communications, and communicate with another station.
- (2) Modify a LAAD Organic VHF portable Radio that is set up for frequency hopping to single channel communications.
- (3) Install a Organic VHF Communications vehicle mounted VHF RADIO onto the vehicle mounting plate.

(4) Covert a Portable VHF radio to Vehicle VHF radio.

Performance Standard. Communicate with a distant station utilizing proper communication procedures for items listed above.

Prerequisite. None.

Reference. TM 11-5820-890-10-1 and TM 11-5820-890-10-2.

AGNR-2001 1.0 B (*) (2) Organic VHF Communications, (2) AKAC-1553 L

Goal. Demonstrate proper authentication and encryption communication procedures.

Requirement. Without the aid of reference, given training AKAC-1553 and a VHF radio set up for communication, demonstrate proper authentication and encryption procedures while communicating with a distance station (this can be accomplished by having two Marines communicate with each other using two separate radios). Transmit and receive the following:

- (1) Initiate a radio check.
- (2) Respond to an authentication challenge within 30 seconds with the correct response. Correctly respond to 5 authentications.
- (3) Receive a radio check.
- (4) Request/receive current Air Defense Control Measures.
- (5) Pass a position report.
- (6) State the phonetic alphabet and numbers.
- (7) Request for supplies using a provided list of brevity codes.
- (8) Authenticate another station and wait for the proper response. Correctly challenge the other station five times.
- (9) Encrypt each item below in a time period of 30 minutes:
 - (a) Two six-digit grids.
 - (b) Two names (i.e. rank/last name).
- (10) Receive two encrypted messages that must be de-encrypted within 10 minutes.
 - (a) One 6-digit grid.
 - (b) One name (i.e. rank/last name).

Performance Standard. Complete all tasks above without error in the prescribed time limits listed above.

Prerequisite. Attend Lectures A-14 and A-18.

Reference. ACP-125, MCWP 3-25.11, MCRP 3-25.10* and EKMS 1.

AGNR-2002 2.0 B (*) (2) Organic VHF Communications L/S

Goal. Send and receive reports.

Requirement. With the aid of reference, send and receive the following reports:

- (1) LEAKER.
- (2) Engagement.
- (3) SALUTE.
- (4) CASEVAC.
- (5) POS Rep.

Reference. FM 3-25.26.

AGNR-2005 6.0 B, R (365) (1) COMPASS, (1) MAP D L

Goal. Conduct day navigation with the compass.

Requirement. Navigate an intermediate land navigation course during daylight by foot IAW the procedures listed below: (Points for the intermediate course will be no longer than 2000 meters apart.)

- (1) Plot five, six-digit grid coordinates on a 1:50,000 scale map.
- (2) Convert the GM angle for the determined grid azimuth.
- (3) Navigate the five plotted points.

Performance Standard. Find four of the five points.

Prerequisite. AGNR-2004.

Reference. FM 3-25.26.

External Syllabus Support. Training area with an intermediate land navigation course.

AGNR-2006 6.0 B, R (365) (1) GPS, (1) Map, (1) Compass D L

Goal. Conduct day navigation with a military GPS.

Requirement. Given 5 way points, navigate an intermediate land navigation course using a military GPS during daylight on foot in accordance with the references (way points will be no more than 2000 meters apart):

- (1) Set up "Navigation Menu" on the GPS for navigation operations.
- (2) Enter 5 waypoints.
- (3) Navigate to the 5 designated way points.

Performance Standard. Find 5 of the 5 points.

Prerequisite. AGNR-2004.

Reference. FM 3-25.26, TM 11-5820-1172-13(DAGR) and TM 11-5825-291-13 (PLGR).

External Syllabus Support. Training area with an intermediate land navigation course.

AGNR-2007 6.0 B, R (365) (1) GPS, (1) Lensatic Compass N L

Goal. Conduct night navigation with a compass and military GPS.

Requirement. Using an intermediate land navigation course, navigate during hours of darkness or reduced visibility on foot using a military GPS and a compass. (Points of an intermediate course will be no longer the 2000 meter apart.)

- (1) Navigate 3 points using a military GPS.
- (2) Navigate 3 points using a lensatic compass.

Performance Standard. Find 3 of the 3 points with the GPS and 2 of the 3 points using a lensatic compass.

Prerequisite. AGNR 2004, AGNR 2005, AGNR 2006.

Reference. FM 3-25.26, TM 11-5820-1172-13 (DAGR) and TM 11-5825-291-13 (PLGR).

External Syllabus Support. Training area with an intermediate land navigation course.

AGNR-2008 2.0 B, R (365) (1) A-MANPAD D/N L

Goal. Conduct a tactical team load-out.

Requirement. Mount-out will be conducted using an A-MANPAD. Load contents or configuration may be dictated by appropriate unit level SOP. Mount-out to be conducted during hours of daylight and darkness. If no SOP exists the load out will consist of no less than the equipment listed below:

- (1) SL-3 complete Advanced MANPAD vehicle.
 - (a) Military GPS.
 - (b) LAAD organic Vehicle Mounted VHF Radio / SL-3 complete.
 - (c) M240 or M2 .50 cal.
- (2) Three DOS food.
- (3) Fuel cans x 2.
- (4) Water cans x 2.
- (5) Ammunition cans.
- (6) T/O weapons.
- (7) Personal equipment.
- (8) Batteries.
- (9) NVD.
- (10) Camouflage netting.
- (11) Camouflage netting poles.

Performance Standard. Vehicle will be loaded and secured IAW unit SOP or, if no SOP exists, per the list above. Vehicle must be loaded within 30 minutes. Once the event is completed in hours of darkness, then the event can be logged as complete.

Prerequisite. None.

Reference. MCWP 3-25.10*.

AGNR-2009 1.0 B, R (365) L

Goal. Prepare a range card.

Requirement. Per the reference, given a mission and proper support equipment, construct a range card that will accomplish minimum requirements of both primary and secondary missions. At a minimum will consist of the following:

- (1) Team, section, and platoon information.
- (2) Position identification.
- (3) Date.
- (4) Who the range card was prepared by.

- (2) Operate the night site (prepare it for operations within 2 minutes).
- (3) Dismount night sight (within a time limit of 1 minute).

Performance Standard. Complete all required tasks within time allotted.

Prerequisite. None.

Reference. TM09688A-10&P.

AGNR 2012 2.0 B,R,M (30) (1) IMTS S

Goal. Engage aircraft with the Stinger Missile System.

Requirement. In a simulated environment, with a Stinger Missile System, IFF, Night capability, communication equipment friendly and hostile aircraft with speeds varying between 0-650 knots, altitudes between 0-15 thousand feet and using crossing, incoming, outgoing or a combination of the profiles. Range, identify, and correctly engage aircraft in the scenarios. At minimum the scenarios will include:

- (1) Ten Fixed Wing (F/W) aircraft scenarios containing friendly and hostile engagements
 - (a) Scenarios will include a minimum of 1 friendly and 1 hostile F/W aircraft. Aircraft speeds will vary between 200-450 knots.
 - (b) Five scenarios will include F/W aircraft presenting crossing profiles at ranges between 1-8 kilometers with altitudes between 3-12 thousand feet.
 - One scenario will include two F/W hostile aircraft together; one of the aircraft will utilize terrain masking during the entire flight.
 - One scenario will include F/W aircraft out of range to challenge Gunner's ability to properly range targets.
 - (c) Five Incoming Scenarios will be of F/W aircraft presenting incoming profiles. Aircraft will be at ranges between 2-7 kilometers at any altitude below 15000 feet.
 - One scenario will include two hostile F/W aircraft.
 - One scenario will include F/W aircraft out of range to challenge Gunner's ability to properly range targets.
- (2) Ten Rotary Wing (R/W) aircraft scenarios, containing friendly and hostile engagement scenarios.
 - (a) Scenarios will include a minimum of 1 friendly and 1 hostile R/W aircraft. Aircraft speeds will not exceed 200 knots.
 - (b) Five scenarios presenting crossing profiles where R/W aircraft are at ranges between 1-8 kilometers with altitudes between 3-12 thousand feet.
 - One scenario will include 2 hostile R/W aircraft together with one terrain masking for entire flight.
 - One scenario will include R/W aircraft out of range to challenge Gunner's ability to properly range targets.
 - (c) Five incoming R/W aircraft scenarios will present incoming profiles. Aircraft will be at ranges between 2-7 kilometers at any altitude from below 15000 feet.
 - One scenario will include two hostile R/W aircraft.

- One scenario will include R/W aircraft out of range to challenge Gunner's ability to properly range targets.

Performance Standard. Identify targets IAW established rules of engagement. Demonstrate proper detection, acquisition, ranging, super elevation, and firing techniques. Engage and hit five hostile F/W and five hostile R/W aircraft in range. No engagement of friendly aircraft. Actions are to be evaluated using a simulated environment with immediate replay and debrief capabilities.

Prerequisite. AGNR, 2003, AGNR-2010, AGNR-2011.

Reference. MCRP 3-25.10* and FM 44-1A.

External Syllabus Support. IMTS.

AGNR-2013	2.0	B,R,M	(30)	(1) IMTS	S
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Goal. Engage aircraft employing infrared counter measures (IRCCM's) in different simulated environments.

Requirement. In a simulated environment, with a Stinger Missile System, IFF, Night capability, communication equipment friendly and hostile aircraft with speeds varying between 0-650 knots, altitudes between 0-15 thousand feet and using crossing, incoming, outgoing or a combination of the profiles. Range, identify, and correctly engage aircraft employing IRCCM's in the scenarios. At minimum the scenarios will include:

- (1) Ten F/W scenarios containing aircraft that can deploy IRCCM's at 1-30 per second selectable by the evaluator:
 - (a) Scenarios will include a minimum of 1 friendly and 1 hostile aircraft. Aircraft speeds will vary between 0-650 knots.
 - (b) Five crossing scenarios where F/W aircraft range between 1-8 kilometers with altitudes between 3-12 thousand feet.
 - One scenario will include 2 hostile aircraft together.
 - One scenario will ensure aircraft are out of range.
 - (c) Five incoming scenarios where F/W aircraft range between 2-7 kilometers at any altitude below 15000 feet.
 - One scenario will include 2 hostile aircraft together.
 - One scenario will ensure aircraft are out of range.
- (2) Ten R/W scenarios containing aircraft that can deploy IRCCM's at 1-30 per second selectable by the evaluator:
 - (a) Scenarios will consist of a minimum of 1 friendly and 1 hostile aircraft. Aircraft speed will not exceed 200 knots.
 - (b) Five crossing scenarios were R/W aircraft range between 1-8 kilometers with altitudes between 3-12 thousand feet.
 - One scenario will include 2 hostile aircraft together with one terrain masking for the entire flight.
 - One scenario will include aircraft are out of range.
 - (c) Five incoming scenarios where R/W aircraft range between 2-7 kilometers at any altitude below 15000 feet.
 - One scenario will include 2 hostile aircraft together.
 - One scenario will ensure aircraft are out of range.

Performance Standard. Identify targets IAW established rules of engagement. Demonstrate proper detection, acquisition, ranging, super elevation, and firing techniques. Engage and hit five hostile

F/W and five hostile R/W aircraft in range while they employ 1-30 IRCCM's per second. No engagement of friendly aircraft. Actions are to be evaluated using a simulated environment with immediate replay and debrief capabilities.

Prerequisite. AGNR, 2003, AGNR-2010, AGNR-2011, and AGNR-2012.

Reference. MCWP 3-25.11 and FM 44-1A.

External Syllabus Support. IMTS.

AGNR 2014 1.0 B, R (1095) (1) STLS Launcher L

Goal. Fire the Stinger Launch Simulator (STLS).

Requirement. Given a tactical scenario that includes enemy and friendly AOB, ROE, Air Defense Control Measures, and appropriate target, conduct a MANPAD engagement with the STLS. Engagements may be conducted during times of daylight, darkness, or reduced visibility. STLS will be fired on an appropriate range while observing applicable safety constraints and considerations.

Performance Standard. AGNR must demonstrate proper detection, acquisition, ranging, super elevation, and firing techniques. Actions are to be evaluated by the firing pit coach.

Prerequisite. AGNR-2012.

Reference. TM 08319A-12 and MCRP 3-25.10*.

Ordnance. (1)VX-99.

External Syllabus Support. Appropriate aerial targets, RCMAT, and/or Remotely Piloted Target Systems (RPVTS) and firing range that is capable of supporting SHORAD missile systems.

AGNR-2015 1.0 B,R (180) (1)A-MANPAD, (1)CREW SERVED WPN, (1)THT or FHT L

Goal. Conduct immediate action and quick reaction drills with the Advanced MANPAD.

Requirement. Given a tactical scenario the Gunner will conduct the following immediate action and quick reaction drills:

- (1) Conduct quick reaction drill to defend against an air attack using Stinger Missile.
- (2) Conduct quick reaction drill to defend against an air attack using either an M2 or M240 machine gun.
- (3) Conduct immediate action to small arms attack.
- (4) Conduct immediate action to indirect fire attack.
- (5) Conduct immediate action to improvised explosive device attack.

Performance Standard. The Gunner is provided fully-equipped AMANPADS. The Gunner takes immediate action and performs the proper procedures for an air attack.

Prerequisite. AGNR-2003, AGNR-2010, AGNR-2011, AGNR-2012 and AGNR-2013.

Reference. MCRP 4-11.3F, MCRP 4-11.3H, MCWP 3-11.2, MCWP 3-11.3 and MCRP 3-25.10*.

AGNR-2016 2.0 B, R (365) (1) HMMWV, (1) NVD N L

Goal. Operate Night Vision Devices (NVD) while conducting vehicle operations.

Requirement. Per the reference, inventory, set up and operate the NVD while helmet mounted per the following; night illumination should vary to get full appreciation of the night vision device:

- (1) Remove and inventory the contents of the NVD per the TM.
- (2) Install battery (either two AA or one BA 5567).
- (3) Perform preventive maintenance checks and services per the TM.
- (4) Install the helmet mount bracket and the helmet mount.
- (5) Install Night vision devices (NVDs) on helmet mount and adjust distance for eye relief.
- (6) Attach the compass.
- (7) Turn Night vision devices (NVDs) on and focus all lens.
- (8) Move on foot no less than 200 meters over uneven terrain utilizing the Night vision devices (NVDs) with compass attached.
- (9) Operate a blacked out HMMWV for 1 hour on an established driving course while wearing NVDs.

Performance Standard. Operate the NVD while operating a tactical vehicle in black out conditions along an established course without the use of headlights.

Prerequisite. None.

Reference. TM 09500A-10/1A.

External Syllabus Support. Night driving course.

AGNR-2017 1.0 B, R (365) (1) A-MANPAD, (1) M2 .50 Cal N L

Goal. Assemble and mount the M2 .50 Cal HMG at night.

Requirement. Per the reference, given an SL-3 complete M2 .50 cal, a tactical vehicle with an appropriate mount, mount the M2 in a time limit of ten minutes. This event shall be conducted in daylight first to ensure ORM is applied. Once proficiency is demonstrated, this event will be conducted in hours of darkness or reduced visibility.

Performance Standard. Assemble and mount the M2 in a time limit of 10 minutes at night. Once the event is completed in hours of darkness, then the event can be logged as complete.

Prerequisite. None.

Reference. MCWP 3-15.1, TM 11133A-OR/A and FM 21-305.

AGNR-2018 2.0 B, R (365) (1) M2.50 Cal N/D S/L

Goal. Perform immediate and remedial action for the M2 .50 cal HMG.

Requirement. Per the reference, perform immediate and remedial action while wearing a combat load (body armor, kevlar, and associated proper protective equipment). This event shall be conducted in daylight first to ensure ORM is applied. Once proficiency is demonstrated, this event will be conducted in hours of darkness or reduced visibility.

- (1) Perform immediate action on the M2 .50cal.
- (2) Perform immediate action on the runaway M2 .50cal.
- (3) Perform remedial action on the M2.50cal heavy machinegun.
- (4) Perform remedial action on a stuck cartridge in the M2 .50cal.
- (5) Perform remedial action on a ruptured cartridge in the M2.50cal.
- (6) Perform remedial action for sluggish operation of the M2. 50cal.

Performance Standard. Perform all immediate and remedial actions that return the weapon back to operation. Once the event is completed in hours of darkness, then it can be logged as complete.

Prerequisite. AGNR-2017.

Reference. MCWP 3-15.1 and TM 02498A-10/1.

Ordnance. A belt with (100) rounds of .50 cal dummy rounds.

AGNR-2019	3.0	B, R	(365)	(1) M2 .50 Cal	D/N	L/S
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Goal. Engage targets with the M2.50 Cal HMG.

Requirement. During a live firing exercise, the Gunner, given a SL-3 complete M2 and (435) rounds of A-576 .50 cal ammunition, will engage targets utilizing Table 7 M2.50 Cal Familiarization Fire (MOS 7212).

Performance Standard. Utilizing proper operating procedures and firing techniques, the Gunner will engage ground and/or an aerial target.

Prerequisite. AGNR-2017 and AGNR-2018.

Ordnance. (435) rounds of A576 CTG, CAL .50, 4&1 LINKED, F/M2.

External Syllabus Support. Heavy machine-gun range capable of supporting mounted and dismounted firing of .50 cal at 1/5 scale aerial targets flying with varying profiles, and stationary ground targets that are setup at various ranges.

Reference. FM 23-65 and MCWP 3-15.1.

AGNR-2020	1.0	B, R	(365)	(1) M2 .50 Cal (1) PAS-13	N	L
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Goal. Mount a limited visibility site on the M2 .50 cal HMG at Night.

Requirement. Per the reference, mount the limited visibility site. This event shall be conducted in daylight first to ensure ORM is applied. Once proficiency is demonstrated, this event will be conducted in hours of darkness or reduced visibility.

Performance Standard. The limited visibility sight is mounted properly IAW the reference. Once the event is completed in hours of darkness, then it can be logged as complete.

Prerequisite. AGNR-2017.

Reference. TM 10091A/10092A-10/1, TM 11-5855-213-10 and TM 08670A-10/1A.

AGNR-2021 1.0 B, R (365) (1) A-MANPAD, (1) M240 N L

Goal. Assemble and mount the M240 MMG at night.

Requirement. Per the reference, given an SL-3 complete M240 and a tactical vehicle with an appropriate mount, mount the M240 in a time limit of ten minutes. This event shall be conducted in daylight first to ensure ORM is applied. Once proficiency is demonstrated, this event will be conducted in hours of darkness or reduced visibility.

Performance Standard. Mount the M240 in a time limit of 10 minutes. Once the event is completed in hours of darkness, then the event can be logged as complete.

Prerequisite. None.

Reference. MCWP 3-15.1, TM 11133A-OR/A, FM 21-305 and TM 08670A-10/1B.

AGNR-2022 2.0 B, R (365) (1) M240 N/D S/L

Goal. Perform immediate and remedial action for the M240 MMG at night.

Requirement. Per the reference, perform immediate and remedial action while wearing a combat load (body armor, kevlar, and associated proper protective equipment). This event shall be conducted in daylight first to ensure ORM is applied. Once proficiency is demonstrated, this event will be conducted in hours of darkness or reduced visibility.

- (1) Perform immediate action for the M240.
- (2) Perform immediate action for a runaway M240.
- (3) Perform remedial action for a stuck cartridge in a M240.
- (4) Perform remedial action for a ruptured cartridge in a M240.
- (5) Perform remedial action for sluggish operation of a M240.

Performance Standard. Without the aid of reference, perform all immediate and remedial actions that return the weapon back to operation. Once the event is completed in hours of darkness, then the event can be logged as complete.

Prerequisite. AGNR-2021.

Reference. MCWP 3-15.1 and TM 08670A-10/1B.

Ordnance. (100) rounds of A159 Dummy 7.62mm Linked.

AGNR-2023 3.0 B, R (365) (1) AMANPADS, (1)M240 D/N L

Goal. Engage targets with the M240 MMG.

Requirement. During a live firing exercise, the Gunner, given a SL-3 complete M240 and (435) rounds of A-131 7.62mm ammunition, will engage targets utilizing Table 7 M240 Familiarization Fire and aerial targets.

Performance Standard. Utilizing proper operating procedures and firing techniques, the Gunner will engage ground and/or an aerial target.

Prerequisite. AGNR-2021 and AGNR-2022.

Reference. MCWP 3-15.1, TM 08670A-10/1B and TM 11133A-OR/A.

Ordinance. (435) rounds of A-131 7.62mm Linked.

External Syllabus Support. Medium machine-gun range capable of supporting mounted and dismounted firing of 7.62mm at 1/5 scale aerial targets flying with varying profiles, and stationary ground targets that are setup at various ranges.

AGNR-2024 1.0 B,R (365) (1)Limited Visibility Sight, (1)M240 N/D L

Goal. Mount a limited visibility site on the M240 at night.

Requirement. Per the reference, mount the limited visibility site. This event shall be conducted in daylight first to ensure ORM is applied. Once proficiency is demonstrated, this event will be conducted in hours of darkness or reduced visibility.

Performance Standard. The limited visibility sight is properly mounted and functioning. Once the event is completed in hours of darkness, then the event can be logged as complete.

Prerequisite. AGNR 2021.

Reference. TM 10091A/10092A-10/1, TM 11-5855-213-10 and TM 08670A-10/1B.

AGNR-2025 2.0 B, R (730) (1) M2 .50 CAL, (1) M240 D L/S

Goal. Advanced engagements of air and ground targets with the M2 .50 cal and M240.

Requirement. Given a fully-equipped AMANPADS loaded with (100) rounds of .50 cal and (100) rounds of 7.62mm ammunition and a tactical scenario that includes enemy air order of battle, ROE, air defense control measures, and appropriate aerial targets, conduct engagements with the M2 and M240.

Performance Standard. The Gunner will demonstrate proper target selection and fire distribution techniques. The Gunner must demonstrate proper detection, ranging, and firing techniques.

Prerequisite. AGNR-2016, AGNR-2017, AGNR-2018, AGNR-2019, AGNR-2020, AGNR-2021, AGNR-2022 AGNR-2023 and AGNR-2024.

Reference. FM 44-18, FM 44-8, and MCWP 3-25.10*.

Ordinance.

(100) rounds of A-576 ammunition, and
(100) rounds of A-131 ammunition.

External Syllabus Support. Heavy machine-gun range capable of supporting mounted and dismounted firing of 7.62mm and .50 cal at 1/5 scale aerial targets flying with varying profiles, and stationary ground targets that are setup at various ranges.

AGNR-2026 16.0 B (*) L

Goal. MCI COURSE 2538, *Single Channel Ground Airborne System (SINGGARS)*, provides instruction to all Marines with basic knowledge in operating the SINGGARS.

Requirement. N/A.

Performance Standard. MCI 2538 is designed to provide Marines with information and instruction applicable to performing duties as an incidental radio operator. The course emphasizes how to assemble, operate, and maintain the SINGGARS.

Prerequisite. None.

Reference. TM 11-5820-890-10-1. Operator's Manual SINGGARS Ground Combat Net Radio, ICOM(1990).

TM 11-5820-890-10-2. SINGGARS ICOM Ground Radio Operator's Pocket Guide (1991).

ITT-A/OD Number 33001/3009-1, 1990. SINGGARS (Instructors Guide/Lesson Plan NCS Course (Draft)) (1990).

3.10.4 Team Leader (TLDR)

3.10.4.1 Purpose. This phase provides training for the LAAD AGNR to become a LAAD Team Leader by developing skills and knowledge related to the characteristics, capabilities, limitations and operation of LAAD related systems or equipment. This phase is complete when the AGNR obtains CERT-6002.

3.10.4.2 General

Prerequisite. CERT-6001.

Crew Requirements. Core skill proficient team.

Academic Training. Academic training will be conducted prior to and/or concurrent with required events. An academic event, once completed, can be credited as a prerequisite for follow-on training events.

Live and Simulator Event Training. 26 Events/63 Hours.

TLDR-2100 2.0 B, R (365) (2)ORGANIC VHF RADIOS D L

Goal. Setup, operate, and troubleshoot LAAD organic VHF Communications.

Requirement. Without the aid of references, setup, operate, and troubleshoot a LAAD organic VHF Communications.

- (1) Setup an portable VHF radio for frequency hopping communications, and communicate with another station.
- (2) Modify an portable VHF Radio that is set up for frequency hopping to single channel communications.
- (3) Install a VEHICLE MOUNTED VHF RADIO onto the vehicle mounting plate.
- (4) Convert a PORTABLE VHF radio to a VEHICLE MOUNTED VHF RADIO.
- (5) Perform troubleshooting for degraded communications with both PORTABLE VHF radio and VEHICLE MOUNTED VHF RADIO.

Performance Standard. Communicate with a distant station utilizing proper communication procedures for items listed above.

Prerequisite. AGNR-2000.

Reference. TM 11-5820-890-10-1 and TM 11-5820-890-10-2.

TLDR-2101 1.0 B,R,E (365) (1)DTD, 2)LAAD Organic VHF Radios,(1)GPS L

Goal. Setup the organic VHF communications for secured transmissions.

Requirement. Given a DTD with a fill cable and a load set, a net ID, a single channel frequency, military GPS with correct cable(s), and two LAAD Organic VHF radio's, fill the radios for covered communications and frequency hopping.

Performance Standard. Event completed when communication is established with a distant station over secure single channel and frequency hopping.

Prerequisite. TLDR-2100.

Reference. TM 11-5820-890-10-6 and Allied Signal Users Manual ON477430 Rev E.

TLDR-2102 1.0 B (*) (2) LAAD Organic VHF Radios, (2) AKAC-1553 L

Goal. Demonstrate proper authentication and encryption communication procedures.

Requirement. Without the aid of reference, given training AKAC-1553 and a LAAD Organic VHF Radios, set up for communication, demonstrate proper authentication and encryption procedures while communicating with a distance station (this can be accomplished by having two Marines communicate with each other using two separate radios). Transmit and receive the following:

- (1) Initiate a radio check.

- (2) Respond to an authentication challenge within 30 seconds with the correct response. Correctly respond to 5 authentications.
- (3) Receive a radio check.
- (4) Request/receive current Air Defense Control Measures.
- (5) Pass a position report.
- (6) State the phonetic alphabet and numbers.
- (7) Request for supplies using a provided list of brevity codes.
- (8) Authenticate another station and wait for the proper response. Correctly challenge the other station five times.
- (9) Encrypt each item below in a time period of 30 minutes:
 - (a) Two six-digit grids.
 - (b) Two names (i.e. rank/last name).
- (10) Receive two encrypted messages that must be de-encrypted within 10 minutes.
 - (a) One 6-digit grid.
 - (b) One name (i.e. rank/last name).

Performance Standard. Complete all tasks above without error in the prescribed time limits listed above.

Prerequisite. AGNR-2001.

Reference. ACP-125, MCWP 3-25.11, MCRP 3-25.10* and EKMS 1.

TLDR-2103 2.0 B (*) (2) LAAD Organic VHF Radios L/S

Goal. Send and receive reports organic to a LAAD Battalion.

Requirement. With the aid of reference, send and receive the following reports:

- (1) NBC.
- (2) EOD 10 line.
- (3) Status Logistics Report.
- (4) CAS 9 line.
- (5) 15 Line Vehicle Recovery Report

Performance Standard. Send and receive the above reports in the correct format.

Prerequisite. AGNR-2002.

Reference. MCWP 3-25.10*.

TLDR-2104 1.0 B, R (365) L

Goal. Call for and adjust Fire.

Requirement. Given a tactical scenario on a map, sand table, or a simulated combat environment and an identified target, conduct the following:

- (1) Determine best type of munitions to obtain desired effect on a target.
- (2) Develop a call for fire to engage the target.
- (3) Identify the most appropriate CAS brief.

Requirement. Per the reference properly identify the following friendly and enemy graphics.

- (1) Friendly: (Examples)
 - (a) Air Defense, section.
 - (b) Basic infantry, platoon.
 - (c) Mechanized infantry, company.
 - (d) Armored reconnaissance, battalion.
 - (e) Engineer, platoon reinforced.
- (2) Enemy: (Examples)
 - (a) Basic helicopter.
 - (b) Heavy machine-gun.
 - (c) Medium mortar.
 - (d) Artillery battery.
 - (e) Light anti tank weapon.

Performance Standard. Properly identify all graphics listed above without error.

Prerequisite. AGNR-2004.

Reference. MCRP 5-12A.

TLDR-2107 6.0 B, R (365) (1) COMPASS, (1) MAP D L

Goal. Conduct day navigation with the compass.

Requirement. Navigate an intermediate land navigation course during daylight by foot IAW the procedures listed below: (Points for the intermediate course will be no longer than 2000 meters apart.)

- (1) Plot five, six-digit grid coordinates on a 1:50,000 scale map.
- (2) Convert the GM angle for the determined grid azimuth.
- (3) Navigate the five plotted points.

Performance Standard. Find four of the five points.

Prerequisite. AGNR-2005.

Reference: FM 3-25.26.

External Syllabus Support. Training area with an intermediate land navigation course.

TLDR-2108 6.0 B, R (365) (1) GPS, (1) Map, (1) Compass D L

Goal. Conduct day navigation with a military GPS.

Requirement. Given 5 way points, navigate an intermediate land navigation course using a military GPS during daylight on foot in accordance with the references (way points will be no more than 2000 meters apart):

- (1) Set up "Navigation Menu" on the GPS for navigation operations.
- (2) Enter 5 waypoints.
- (3) Navigate to the 5 designated way points.

Performance Standard. Find 5 of the 5 points.

Prerequisite. AGNR-2006.

Reference. FM 3-25.26, TM 11-5820-1172-13(DAGR) and
TM 11-5825-291-13 (PLGR).

External Syllabus Support. Training area with an intermediate land
navigation course.

TLDR-2109 6.0 B (365) (1) GPS, (1)Len static Compass, (1) Map N L

Goal. Conduct night navigation with a compass and military GPS.

Requirement. Using an intermediate land navigation course, navigate
during hours of darkness or reduced visibility on foot using a
military GPS and a compass. (Points of an intermediate course will
be no longer the 2000 meter apart.)

- (1) Navigate 3 points using a military GPS.
- (2) Navigate 3 points using a lensatic compass.

Performance Standard. Find 3 of the 3 points with the GPS and 2 of
the 3 points using a lensatic compass.

Prerequisite. AGNR-2007, TLDR-2107 and TLDR-2108.

Reference. FM 3-25.26, TM 11-5820-1172-13 (DAGR).

External Syllabus Support. Training area with an intermediate land
navigation course.

TLDR-2110 6.0 B,R,E (365) (1)AMANPAD, (1)MILITARY GPS N/D L

Goal. Conduct mounted Navigation with a GPS.

Requirement. With a tactical vehicle, a map, 5 grid coordinates and
a military GPS system, navigate to each of the five coordinates
during both daylight hours and hours of darkness.

Performance Standard. In order to complete this event the Gunner
must successfully navigate five out of five coordinates during
daylight hours and hours of darkness.

Prerequisite. TLDR-2108.

Reference. FM 3-25.26, TM 09880C-OR and TM 11-5825-291-10-2.

External Syllabus Support. Appropriate driving range for a vehicle
navigation course.

TLDR-2111 1.0 B (*) (1) Stinger Night Sight L

Goal. Identify capabilities and characteristics of the Stinger
Night Sight.

Requirement. Without the aid of reference, identify the
capabilities and characteristics of the Stinger Night Sight as
listed below:

Performance Standard. Without error answer and perform each of the events listed above. Depict all ten air defense control measures on a map.

Prerequisite. AGNR-2010.

Reference. MCWP 3-25.10 and MCRP 3-25.10.

TLDR-2114 1.0 B, R (365) S

Goal. Define the use of Rules of Engagement (ROE).

Requirement. Per the reference, define the use of Rules of Engagement, identification criteria, track classification, weapons control statuses and fire commands as they relate to the engagement of air threats.

Performance Standard. Without error, define ROE, identification criteria, track classification, weapons control statuses and fire commands.

Prerequisite. AGNR-2010 and TLDR-2113.

Reference. MCWP 3-22, MCWP 3-25.10*, MCRP 3-25.10*, and FM 27-10.

TLDR-2115 1.0 B (365) S

Goal. Identify Manual Cross-Tell and Polar Grid Target Information.

Requirement. Per the reference, provided with a map, overlay with the Cartesian Coordinate Reference Point system (CCRP) on it:

- (1) Explain the purpose for manual cross-tell.
- (2) Within four minutes correctly plot four points on the map using Manual Cross-tell.
- (3) Explain the purpose of Polar Grid.
- (4) Within four minutes correctly plot four points on the map using Polar Grid.

Performance Standard. Explain the purpose of -Manual cross-tell, and Polar Grid and identify -the locations given.

Prerequisite. None.

Reference. MCRP 3-25.10*.

TLDR-2116 1.0 B (*) L/S

Goal. Prepare A Terrain Model.

Requirement. Given an OPORD, an area of operations, and a 1:50,000 map, and materials construct a terrain model.

- (1) Select a secure area large enough to accommodate the terrain model and Marines during briefing.
- (2) Orient terrain model to the north and draw a north seeking arrow in the model.
- (3) Show all major natural and manmade terrain features.

Performance Standard. Without error, identify the basic convoy organization and structure.

Prerequisite. None.

Reference. MCWP 3-25.10, MCRP 3-15.10, MCRP 44-11F and MCRP 44-11H.

TLDR-2119 1.0 B, R (365) (1)A-MANPAD L

Goal. Emplace the A-MANPADS.

Requirement. During a practical application exercise, a firing position has been selected for the TLDR's AMANPADS and his section leader directs him to emplace and prepare for action.

Performance Standard. Emplace and prepare the AMANPADS for action per procedures outlined in TM 9-1425-433-10, paragraphs 3-29f and 3-32. Accomplish this task in 20 minutes.

Prerequisite. AGNR-2002, AGNR-2004, AGNR-2005, AGNR-2006, AGNR 2007, AGNR-2008, AGNR-2009, AGNR-2010, AGNR-2015, TLDR-2100, TLDR-2101, TLDR-2103, TLDR-2105 and TLDR-2106.

Reference. MCRP 3-25.10*.

TLDR-2120 2 B, R (365) S

Goal. Demonstrate emergency destruction of LAAD equipment.

Requirement. Per the reference, simulate the procedures for emergency destruction for each item below:

- (1) COMSEC devices.
- (2) EKMS material.
- (3) HMMWV.
- (4) Communication hardware.
- (5) Missile.
- (6) IFF.
- (7) GPS.

Performance Standard. Without error, describe and simulate procedures to destroy all above listed equipment IAW the reference.

Prerequisite. None.

Reference. EKMS1 and MCWP 3-25.10*.

TLDR-2121 8.0 B, R (60) (1)IMTS L

Goal. Direct engagements with the Stinger Missile System.

Requirement. In a simulated environment, the TLDR will aid the Assistant Gunner in engaging five jet aircraft, five propeller driven aircraft, and five helicopters without shooting down friendly aircraft. The scenarios can occur in daylight, limited-visibility, or night conditions and while employing IRCCM's.

Reference. FM 44-18, FM 44-8, and MCWP 3-25.10*.

Ordnance.

(100) rounds of A-576 ammunition, and
(100) rounds of A-131 ammunition.

External Syllabus Support. Heavy machine-gun range capable of supporting mounted and dismounted firing of 7.62mm and .50 cal at 1/5 scale aerial targets flying with varying profiles, and stationary ground targets that are setup at various ranges.

TLDR-2124 1.0 B, R (1095) (1) Live Stinger Missile L

Goal. Engage an air target with a live Stinger missile.

Requirement. During a live firing exercise and given a Stinger missile, the TLDR will engage an aerial target.

Performance Standard. Utilizing proper operating procedures and firing techniques, the TLDR will engage an aerial target by conducting the following:

- (1) Track and range target.
- (2) Activate weapon and obtain an acquisition tone.
- (3) Insert correct super elevation and lead.
- (4) Press trigger to fire weapon and continue to Track target for three to five seconds.
- (5) Remove BCU within three minutes.

Prerequisite. AGNR-2012, AGNR-2013 and AGNR-2014.

Reference. MCRP 3-25.10* and FM 44-1A.

Ordnance

(1) Stinger missile types: PL-89, PL-90, or PL-93, and (1) PN-15 or PN-16 Stinger grip-stocks (Basic/RMP).

External Syllabus Support. Appropriate aerial targets, RCMAT, and/or Remotely Piloted Target Systems (RPVTS) and firing range that is capable of supporting SHORAD missile systems.

TLDR-2125 1.0 B, R (730) (1)A-MANPAD, (1)CREW SERVED WPN, (1)THT or FHT L

Goal. Supervise immediate action and quick reaction drills with the Advanced MANPAD.

Requirements. Given a tactical scenario the TLDR will supervise the following immediate action and quick reaction drills and lead his team in execution:

- (1) Conduct quick reaction drill to defend against an air attack using Stinger Missile.
- (2) Conduct quick reaction drill to defend against an air attack using either an M2 or M240 machine gun.
- (3) Conduct immediate action to small arms attack.
- (4) Conduct immediate action to indirect fire attack.
- (5) Conduct immediate action to improvised explosive device attack.

Performance Standard. The TLDR is provided fully equipped AMANPADS. The AGNR takes immediate action and performs the proper procedures for an air attack based off of directions from the TLDR.

Prerequisite. AGNR-2015, AGNR-2025, TLDR-2121 and TLDR-2122.

Reference. MCWP 3-11.2, MCWP 3-11.3, MCRP 4-11.3F, MCRP 4-11.3H and MCRP 3-25.10*.

3.10.5 Section Leader (SLDR)

3.10.5.1 Purpose. This phase provides training for the TLDR to become a SLDR by developing skills and knowledge related to the characteristics, capabilities, limitations, employment and operation of LAAD related systems and equipment.

3.10.5.2 General.

Prerequisite. CERT-6002.

Admin Note. This phase is complete when the TLDR obtains CERT-6003. Upon gaining CERT-6003 the SLDR will be eligible to attend the LETI course of instruction provided by MAWTS-1.

Crew Requirements. Core skill proficient LAAD section.

Academic Training. Academic training will be conducted prior to and/or concurrent with required events unless noted as a prerequisite for a specific event. An academic event, once completed, can be credited as a prerequisite for follow-on training events.

Live and Simulator Event Training. Events 36/Hours 152.

SLDR-2200 1.0 B, R (365) EKMS MATERIAL L

Goal. Properly handle EKMS software.

Requirement. Per the references, receive, store, transport, destroy, safeguard and complete required destruction records.

Performance Standard. Receive, store, transport, safeguard, destroy, and complete required destruction records.

Prerequisite. TLDR-2101.

Reference. EKMS1.

SLDR-2201 2.0 B, R (365) (1) DTD L

Goal. Operate cryptographic Data Transfer Device (DTD).

Requirement. Per the reference operate the cryptographic DTD.

- (1) Operate.
- (2) Store a key.
- (3) Transfer a key.
- (4) Delete a key.
- (5) Zeroize.

Performance Standard. Operate the DTD conducting all steps noted above IAW the reference.

Prerequisite. TLDR-2101 and SLDR-2200.

Reference. TM 09766A-10, TM 11-5810-394-20&P, and Allied Signal Users Manual ON477430 Rev E.

SLDR 2202 1.0 B, R (365) (1)Organic VHF Antenna, (2)VHF RADIOS L

Goal. Employ the LAAD Organic VHF antenna.

Requirement. Per the reference setup and use the VHF antenna for local communications.

Performance Standard. With assistance of a radio operator setup the VHF antenna and communicate with another station within a time limit of 15 minutes.

Prerequisite. TLDR-2100 and TLDR-2105.

Reference. TM 11-5985-357-13.

SLDR 2203 8.0 B,R (365) (2)LAAD Organic HF radio, (2)HF Antenna, (1)DTD L

Goal. Operate LAAD Organic HF Communications.

Requirement. During a practical application exercise, the student, given a communication requirement, will prepare and operate HF communications. The following equipment is provided: A data fill/transfer device, a distant communication station already established, and a HF communication site SL-3 complete. The student will:

- (1) State operational Characteristics and features of a HF radio.
- (2) State the controls and indicators of the HF radio
- (3) Identify and perform self tests and measurements
- (4) Setup, program and operate the HF radio set in secure and unsecure modes.
 - (A) Install batteries
 - (B) Install Antenna
 - (C) Connect hand set
 - (D) Load a crypto fill
 - (E) Load frequencies
 - (F) Establish communication with distant station in unsecure mode
 - (G) Establish communication with distant station in secure mode
 - (H) Zeroize crypto fill

Performance Standard. The standard is met when a secured radio check is made.

Prerequisite. SLDR-2200 and SLDR-2201.

Reference. TM 108-22A-10/1.

SLDR-2204 32.0 B (*) ACADEMIC L

Goal. The MCI 2515H, *Antenna Construction and Propagation of Radio Waves*, provides communicators with instructions in selecting and/or constructing the appropriate antenna(s) for use within the current field.

Requirement. Ordering the MCI 2515H from www.mci.usmc.

Performance Standard. This course is designed as a course of study on the propagation of radio waves and the construction and repair of conventional and field expedient antennas.

Prerequisite. None.

Reference. N/A.

SLDR-2205 1.5 B (365) (2) LAAD organic HF radio L

Goal. Construct a High Frequency (HF) field expedient antenna.

Requirement. Per the references, given one frequency, construct a field expedient antenna for one wavelength, then communicate with another station. The following equipment will be provided:

- (1) Camouflage netting support poles (or equivalent).
- (2) WD-1.
- (3) Duct tape.
- (4) Electrical tape.
- (5) Plastic spoons.
- (6) HF frequencies x 3 (Lo / Med / Hi).
- (7) 550m cord.
- (8) Cobra Head.
- (9) Stakes.

Performance Standard. This event is complete when the antenna is correctly constructed and communications with another station is achieved using the antenna.

Prerequisite. TLDR-2105, SLDR-2203 and SLDR-2204.

Reference. MCRP 3-40.3B.

SLDR-2206 14.0 B (*) ACADEMIC L

Goal. MCI course 2526B, *Introduction to Electronic Warfare*, has been published to provide instruction to all Marines involved in communications.

Requirement. Ordering the MCI 2526 from www.mci.usmc.

Performance Standard. MCI 2526 addresses the terminology used in electronic warfare, its objectives, and responsibilities of individuals in the chain of command. Additionally, the course emphasizes the electronic threat and actions in countering the threat.

Prerequisite. None.

Reference. FMFM 2-1, FMFM 3-1, FMFM 5-1, FM 34-1, FM 34-36, MCO 3430.3C and OH 7-12.

SLDR-2207 21.0 B (*) ACADEMIC L

Goal. MCI course 2540, *Communications Plans and Orders*, provides instruction to Marines having duties that may require them to draft orders for operational communication.

Requirement. Ordering the MCI 2540 from www.mci.usmc.

Performance Standard. MCI 2540 addresses information that all SNCO communication Marines should know. This information includes organization and employment of USMC command and control systems, planning routine communication support, combat plans and orders including paragraph 5 of the operations order, communication estimates, and Annex K.

Prerequisite. None.

Reference. N/A.

SLDR-2208 3 B, R (365) L

Goal. Program the IFF the belt pack.

Requirement. Given a KIR-1C, DTD, Fill cable, AN/GSX-1, and (3) AN/PPX-3B/A belt packs; program them with four days of Mode IV.

Performance Standard. Utilizing proper procedures program the belt pack with four days of Mode IV.

Prerequisite. SLDR-2200 and SLDR-2201.

Reference. EKMS-1, TM 07922A/B, and MCRP 3-25.10*.

SLDR-2209 2.0 B, R (*) L

Goal. Plot and construct operational graphics.

Requirement. Given a map, overlay, an operation order, and corresponding grid coordinates, properly construct and plot unit symbols, control measures and mission graphics.

- (1) Friendly: (Examples)
 - (a) Air Defense, section.
 - (b) Basic infantry, platoon.
 - (c) Mechanized infantry, company.
 - (d) Armored reconnaissance, battalion.
 - (e) Engineer, platoon reinforced.
- (2) Enemy: (Examples)
 - (a) Basic helicopter.
 - (b) Heavy machine-gun.
 - (c) Medium mortar.
 - (d) Artillery battery.
 - (e) Light anti tank weapon.
- (3) Control measures:

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- (a) Friendly lateral boundaries.
- (b) Air corridor/Minimum risk route.
- (c) Air control point.
- (d) Axis of advance.
- (e) No Fire Area/Restricted Fire Area.
- (f) Checkpoint.
- (g) Booby trap.

Performance Standard. With the aid of reference, properly construct the listed unit symbols, control measures and mission graphics within the operation order.

Prerequisite. AGNR-2004 and TLDR-2106.

Reference. MCRP 5-12A.

SLDR-2210 5.0 B, E (*) ACADEMIC L

Goal. Demonstrate an understanding of the Marine Aircraft Wing (MAW).

Requirement. Given the references demonstrate an understanding of the Marine Aircraft Wing (MAW's) units, systems, capabilities and limitations to include, at minimum, the following:

- (1) Marine Air Groups:
 - (a) Marine Aviation Logistics Squadron F/W & R/W.
 - (b) Marine Aerial Refueler Transport Squadron.
 - (c) Marine Tactical Electronic Warfare Squadron.
 - (d) Marine Fighter Attack Squadron.
 - (e) Marine Attack Squadron.
 - (f) Marine Helicopter Heavy Squadron.
 - (g) Marine Helicopter Medium Squadron.
 - (h) Marine Helicopter Light/Attack Squadron.
- (2) Marine Wing Support Group and Marine Wing Support Squadron.
- (3) Marine Air Control Group:
 - (a) Marine Tactical Air Command Squadron.
 - (b) Marine Air Control Squadron.
 - (c) Marine Unmanned Aerial Vehicle Squadron.
 - (d) Marine Wing Communications Squadron.
 - (e) Marine Air Support Squadron.
 - (f) Low Altitude Air Defense Battalion.

Performance Standard. With the aid of references, the LAAD officer will list and define the different Marine Air Groups, Marine Wing Support Group, Marine Wing Support Squadrons, and Marine Air Control Groups of Marine Aviation.

Prerequisite. None.

References. MCWP 3-2 Aviation Operations, MCWP 3-21.1 Aviation Ground Support.

SLDR-2211 2.0 B, R (*) ACADEMIC L

Goal. List the units and their agencies within a Marine Air Control Group (MACG).

Requirement. Per the reference, state the units within a MACG and the agencies they provide:

- (1) Marine Air Control Squadron:
 - (a) Tactical Air Operations Center.
 - (b) Marine Air Traffic Control.
 - (c) Early Warning and Control.
- (2) Marine Air Support Squadron - Direct Air Support Center.
- (3) Marine Wing Communications Squadron - Communications detachments.
- (4) Fixed Wing Marine Unmanned Squadron (VMU) - UAS detachments
- (5) Marine Tactical Air Control Squadron - Tactical Air Command Center (TACC).
- (6) LAAD Battalion - LAAD batteries, platoons, sections.

Performance Standard. Without error, list all agencies each MACG unit provides.

Prerequisite. SLDR-2210.

Reference. MCWP 3-25.3 and MCRP 3-25D.

SLDR-2212 5.0 B,E (*) ACADEMIC L

Goal. Demonstrate an understanding of the Marine Ground Combat Element.

Requirement. Given the references demonstrate an understanding of the Marine Ground Combat Division units, and Marine Logistics Groups capabilities and limitations to include, at minimum, the following:

- (1) Marine Division:
 - (a) Infantry Regiments and Infantry Battalions.
 - (b) Artillery Regiment and Artillery Battalions.
 - (c) Tank Battalion.
 - (d) Amphibious Assault Battalion.
 - (e) Combat Engineer Battalion.
 - (f) Light Armored Reconnaissance Battalion.
- (2) Marine Logistics Group:
 - (a) Combat Logistics Regiments.
 - (b) Combat Logistics Battalions.

Performance Standard. With the aid of references, the LAAD officer will list and define the different Marine Ground Combat Divisions, and Marine Logistics Support Groups (as required above).

Prerequisite. None.

Reference. MCWP 3-31.5 and FMFM-6.

SLDR-2213 1.0 B, R (*) ACADEMIC L

Goal. Demonstrate an understanding of the OPTASKLINK.

Requirement. Given the references demonstrate an understanding of the OPTASKLINK.

- (1) Cartesian coordinate reference point.
- (2) Cartesian coordinate reference system specifications.

(3) Link 16/JRE data including JU addresses.

Performance Standard. The SLDR will extract the pertinent information from the OPTASKLINK.

Prerequisite. None.

Reference. FMFM 5-4A, FMFM 5-60, JPUB 3-56.1, and MCWP 3-22.

SLDR-2214 1.0 B, R (365) L

Goal. Construct a Cartesian Coordinate Reference Point (CCRP) System.

Requirement. Without the aid of references, construct a CCRP system. The following equipment will be provided:

- (1) 1:50,000, 1:250,000 maps.
- (2) Overlay paper.
- (3) Black map pen.
- (4) CCRP reference point.
- (5) CCRP unit of measures.
- (6) Quadrant identifications.
- (7) OPTASLINK.

Performance Standard. Accurately depict the CCRP on a 1:50,000 or a 1:250,000 sized map.

Prerequisite. AGNR-2004, TLDR-2106, TLDR-2115, SLDR-2209 and SLDR-2213.

Reference. MCRP 3-25.10*.

SLDR-2215 1.0 B, R (540) S

Goal. Define and Apply Rules of Engagement (ROE)

Requirement. Per the reference, define and apply Rules of Engagement, identification criteria, weapons control statuses and fire commands as they relate to the engagement of air threats.

Performance Standard. Without error, define ROE, identification criteria, weapons control statuses and fire commands.

Prerequisite. AGNR-2010 and TLDR-2114.

Reference. MCWP 3-22, MCWP 3-25.10*, MCRP 3-25.10*, and FM 27-10.

SLDR-2216 1.0 B, R (*) ACADEMIC S

Goal. List and define the determining factors for establishing air defense priorities.

Requirement. Per the reference, list and define the factors for establishing air defense priorities.

- (1) Criticality.
- (2) Vulnerability.

- (a) Recoverability.
- (3) Threat.

Performance Standard. Without error, list and define the determining factors for establishing air defense priorities.

Prerequisite. None.

Reference. MCWP 3-22 and MCRP 3-25.10.

SLDR-2217 1.0 B, R (365) ACADEMIC S

Goal. List and define the air defense weapon employment guidelines and principles.

Requirement. Demonstrate knowledge of the air defense weapon employment guidelines and principles to include:

- (1) Guidelines:
 - (a) Balanced Fires (are achieved by positioning LAAD units to permit approximately equal defensive fires in all directions).
 - (b) Overlapping Fires (Overlapping fires occur when individual air defense units' engagement zones overlap).
 - (c) Weighted Coverage (achieved by concentrating teams toward known enemy locations, unprotected unit boundaries or likely enemy venues of approach).
 - (d) Mutual Support (positioning individual assets so they deliver fires into dead zones that surround adjacent assets).
 - (e) Early Engagement (positioning LAAD teams far enough out from the asset or unit being defended to permit the engagement of enemy aircraft before ordnance release).
 - (f) Defense In Depth (positioning air defense assets so that enemy aircraft encounter an ever-increasing volume of fire).
- (2) Principles:
 - (a) Mix
 - (b) Mass
 - (c) Mobility
 - (d) Integration

Performance Standard. Without error, list and provide written definition of air defense weapon employment guidelines and principles.

Prerequisite. None.

Reference. MCWP 3-25.10* and MCRP-3-25.10a.

SLDR-2218 3.0 B, R (*) ACADEMIC L

Goal. Apply employment guidelines and principles.

Requirement. Per the references and provided with one 1:50,000 map, one 1:250,000 map and 5 employment scenarios, apply the appropriate guidelines and principles in each scenario.

- (8) ID Criteria.
- (9) Rules of engagement.
- (10) Surveillance plan.
- (11) Integration with MACCS.
- (12) Integration with host nation assets (as applicable).
- (13) Integration with GCE.
- (14) Communications plan.
- (15) Data link architecture capabilities/limitations.
- (16) Re-supply.
- (17) Logistics planning.
- (18) Helicopter borne operations (as applicable).
- (19) Night operations.
- (20) Amphibious operations (as applicable).

Performance Standard. With the aid of reference, address in detail each of the items listed above that applies to the scenario.

Prerequisite. AGNR-2004, TLDR-2106, TLDR-2113, TLDR-2114, TLDR-2115, TLDR-2116, TLDR-2117, SLDR-2207, SLDR-2208 and SLDR-2218.

Reference. FMFM 3-1, MCWP 3-25.10*, MCWP 3-25.11, MCRP 3-40.3C, ACP-125, and FM 24-18.

SLDR-2221 2.0 B, R (*) _____ L

Goal. Plan for employment of a LAAD section in Point Defense role.

Requirement. Given a tactical scenario, plan for a LAAD section by addressing, at minimum the following:

- (1) IPB (Responsiveness to the Threat).
- (2) LAAD capabilities, limitations, and requirements.
- (3) Command/support relationships.
- (4) Air defense priorities.
- (5) Command Post (CP) operations.
- (6) Air defense control measures.
- (7) ID Criteria.
- (8) Rules of engagement.
- (9) Surveillance plan.
- (10) Integration with MACCS.
- (11) Integration with GCE.
- (12) Communications planning.
- (13) Missile re-supply.
- (14) Logistics planning.
- (15) Helicopter borne operations (where applicable).
- (16) Night operations.
- (17) Amphibious operations (where applicable).
- (18) Operational risk management.

Performance Standard. Per the references, develop a plan that addresses the considerations listed above.

Prerequisite. AGNR-2004, TLDR-2106, TLDR-2113, TLDR-2114, TLDR-2115, TLDR-2116, TLDR-2117, SLDR-2207, SLDR-2208 and SLDR-2218.

Reference. MCWP 3-25.10, MCWP 3-25.11, MCRP 3-40.3C, ACP-125, FM 24-18, FMFM 3-1 and MCO 3500.27.

External Syllabus Support. A training area capable of supporting large numbers of tactical vehicle moving in formations, and radio frequencies to command and control.

SLDR-2222 2.0 B, R (*) L

Goal. Plan for employment of a LAAD section for Defense of a Maneuver Unit.

Requirement. Given a tactical scenario, plan for a LAAD section for Defense of a Maneuver unit by addressing the following:

- (1) IPB (Responsiveness to the Threat).
- (2) LAAD capabilities, limitations, and requirements.
- (3) Command/support relationships.
- (4) Air defense priorities.
- (5) Command Post (CP) operations.
- (6) Air defense control measures.
- (7) ID Criteria.
- (8) Rules of engagement.
- (9) Surveillance plan.
- (10) Integration with MACCS.
- (11) Integration with GCE.
- (12) Communications planning.
- (13) Missile re-supply.
- (14) Logistics planning.
- (15) Helicopter borne operations (where applicable).
- (16) Night operations.
- (17) Amphibious operations (where applicable).
- (18) Operational risk management.
- (19) Communication and coordination with the supported unit.
- (20) Methods of employment:
 - (a) Behind the maneuver unit.
 - (b) Within the maneuver unit.

Performance Standard. Per the references, develop a plan that addresses the considerations listed above.

Prerequisite. AGNR-2004, TLDR-2106, TLDR-2113, TLDR-2114, TLDR-2115, TLDR-2116, TLDR-2117, SLDR-2207, SLDR-2208 and SLDR-2218.

Reference. MCWP 3-25.10, MCWP 3-25.11, MCRP 3-40.3C, ACP-125, FM 24-18, FMFM 3-1 and MCO 3500.27.

External Syllabus Support. A training area capable of supporting large numbers of tactical vehicle moving in formations, and radio frequencies to command and control.

SLDR 2223 6.0 B, R (*) L

Goal. Plan for employment of a LAAD unit in Defense of a Convoy role.

Requirement. Given a tactical scenario during a Marine Aviation Planning Problem (MAPP) or Field evaluation, the SLDR will plan for Air Defense of a Convoy. The SLDR'S plan will address the following:

- (1) IPB (Responsive to the Threat - likely choke points, ambush points, etc.).
- (2) Weather.
- (3) Intel (Threat analysis, Friendly forces, IED threat, COA's).
- (4) LAAD force protection capabilities, limitations, and requirements.
- (5) Command/support relationships.

- (10) Integration with MACCS.
- (11) Integration with GCE.
- (12) Communications planning.
- (13) Missile re-supply.
- (14) Logistics planning.
- (15) Helicopter borne operations (where applicable).
- (16) Night operations.
- (17) Amphibious operations (where applicable).
- (18) Operational risk management.
- (19) Key avenues of approach.
- (20) Terrain masking effects.
- (21) Expected threat density.

Performance Standard. Per the references, develop a plan that addresses the considerations listed above.

Prerequisite. AGNR-2004, TLDR-2106, TLDR-2113, TLDR-2114, TLDR-2115, TLDR-2116, TLDR-2117, SLDR-2207, SLDR-2208 and SLDR-2218.

Reference. MCWP 3-25.10, MCWP 3-25.11, MCRP 3-40.3C, ACP-125, FM 24-18, FMFM 3-1 and MCO 3500.27.

External Syllabus Support. A training area capable of supporting large numbers of tactical vehicle moving in formations, and radio frequencies to command and control.

SLDR-2225 2.0 B (*) _____ L

Goal. Plan for employment of a LAAD section in a Base Defense Zone (BDZ).

Requirement. Given a tactical scenario, plan for employment of a LAAD section in a BDZ by addressing the following:

- (1) IPB (Responsiveness to the Threat).
- (2) LAAD capabilities, limitations, and requirements.
- (3) Command/support relationships.
- (4) Air defense priorities.
- (5) Command Post (CP) operations.
- (6) Air defense control measures.
- (7) ID Criteria.
- (8) Rules of engagement.
- (9) Surveillance plan.
- (10) Integration with MACCS.
- (11) Integration with GCE.
- (12) Communications planning.
- (13) Missile re-supply.
- (14) Logistics planning.
- (15) Helicopter borne operations (where applicable).
- (16) Night operations.
- (17) Amphibious operations (where applicable).
- (18) Operational risk management.
- (19) BDZ Criteria
 - (a) Weapon System
 - (b) Radar or reliable radar picture
 - (c) C2 Agency (MATC)
- (20) Airfield layout and procedures.
- (21) Coordination with MATC.

Performance Standard. Per the references, develop a plan that addresses the considerations listed above.

Prerequisite. AGNR-2004, TLDR-2106, TLDR-2112, TLDR-2113, TLDR-2114, TLDR-2115, TLDR-2116, TLDR-2117, SLDR-2207, SLDR-2208 and SLDR-2218.

Reference. MCWP 3-25.10, MCWP 3-25.11, MCRP 3-40.3C, ACP-125, FM 24-18, FMFM 3-1 and MCO 3500.27.

External Syllabus Support. A training area capable of supporting large numbers of tactical vehicle moving in formations, and radio frequencies to command and control.

SLDR-2226 2.0 B, R (*) L/S

Goal. Plan for employment of a LAAD unit in Defense of an Amphibious Ready Group.

Requirement. While embarked aboard amphibious shipping. Conduct the following.

- (1) Assist in planning for Defense of the ARG operations to include the following considerations:
 - (a) State command and control requirements (personnel, equipment, communications, facilities and procedures).
 - (b) State the location of the LAAD Commander.
 - (c) State who has engagement authority.
 - (d) Demonstrate proper safety procedures.
 - (e) State the capabilities and limitations of the Stinger Missile System.
 - (f) Participate in embarkation and debarkation.
- (2) This event shall be conducted in daylight first to ensure ORM is applied. Once proficiency is demonstrated, this event will be conducted in hours of darkness or reduced visibility.

Performance Standard. The student will plan for LAAD employment in all areas of operation specifying the following:

- (1) Engagement authority and areas of responsibility to control fires.
- (2) Command and Control.
- (3) Logistics/CSS.
- (4) Intelligence.
- (5) Force protection.
- (6) Once the event is completed in hours of darkness, then the event can be logged as complete.

Prerequisite. AGNR-2004, TLDR-2106, TLDR-2112, TLDR-2113, TLDR-2114, TLDR-2115, TLDR-2116, TLDR-2117, SLDR-2207, SLDR-2208 and SLDR-2218.

Reference. MCO P1500.44C, MCWP 3-25.10, MCRP 3-25.10A, MCDP 6, and Ship's Battle Plan.

SLDR-2227 4.0 B, R, E (365) L

Goal. Receive and extract pertinent information from an operation order.

Requirement. Per the references, receive a platoon five paragraph operations order and extract the pertinent information, including:

- (1) Enemy and friendly situation.
- (2) Mission.
- (3) Commander's intent.
- (4) Tasks.
- (5) Rules of Engagement.
- (6) Logistics plan.
- (7) Communication and Signal plan.

Performance Standard. With the aid of notes, the SLDR will accurately recognize and record the pertinent information and requirements of his mission.

Prerequisite. AGNR-2004, TLDR-2106, TLDR-2113, TLDR-2114, TLDR-2115, TLDR-2116, TLDR-2117, SLDR-2207, SLDR-2208 and SLDR-2218.

Reference. FMFM 3-1, MCWP 3-25.10*, and MCRP 3-25.10.

SLDR-2228 4.0 B, R (365) L

Goal. Conduct LAAD employment planning.

Requirement. Given a tactical scenario and an operations order, during a field exercise or in a classroom environment, consider and complete the following:

- (1) Threat analysis.
- (2) Friendly situation.
- (3) Problem framing.
- (4) Friendly concept of operations.
- (5) Communications planning.

Performance Standard. Per the reference, the SLDR will complete mission planning and be prepared to issue a five paragraph operations order.

Prerequisite. AGNR-2004, TLDR-2106, TLDR-2113, TLDR-2114, TLDR-2115, TLDR-2116, TLDR-2117, SLDR-2207, SLDR-2208, SLDR-2218, SLDR-2219, SLDR-2220, SLDR-2221, SLDR-2222, SLDR-2223, SLDR-2224, SLDR-2225, SLDR-2226, and SLDR-2227.

Reference. MCWP 3-25.10 and MCRP 3-25.10A.

SLDR-2229 2.0 B, R (365) L

Goal. Issue a section five paragraph operations order.

Requirement. Extract and brief pertinent information from an operation order to include but not limited to the following:

- (1) Delivery:
 - (a) Present information at a speed the Marines are able to comprehend and take notes.
 - (b) Allow for questions.
 - (c) Ask questions at the completion of the order.
 - (d) Follow the OSMEAC format.

- (e) Complete task within 2 hours.
- (2) Preparation:
 - (a) Issue the Warning Order to Team Leaders.
 - (b) Assign preparatory tasks to designated personnel.
 - (c) Conduct detailed threat analysis and problem framing.

Performance Standard. Per the references, prepare and issue an operations order to subordinate units.

Prerequisite. AGNR-2004, TLDR-2106, TLDR-2113, TLDR-2114, TLDR-2115, TLDR-2116, TLDR-2117, SLDR-2207, SLDR-2208, SLDR-2218, SLDR-2219, SLDR-2220, SLDR-2221, SLDR-2222, SLDR-2223, SLDR-2224, SLDR-2225, SLDR-2226, and SLDR-2227.

Reference. FMFM 3-1, MCWP 3-25.10*, and MCRP 3-25.10.

SLDR-2230	3.0	B, R	(365)	N/D	L
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Goal. Establish a Section Leader position.

Requirement. Establish a SLDR position to include:

- (1) Establish a Position.
- (2) Setup and Maintain Communication with higher HQ's and teams.
 - (a) VHF nets.
 - (b) HF nets.
 - (c) Ground System Awareness (GSA) (as applicable).
 - (d) IRC chat (as applicable).
 - (e) TAC Chat (as applicable).
- (3) Ingress/egress routes identified.
- (4) Required Status Boards per unit SOP
- (5) Map placed and marked.
- (6) Vehicle Cover and Concealment.
- (7) This event shall be conducted in daylight first to ensure ORM is applied. Once proficiency is demonstrated, this event will be conducted in hours of darkness or reduced visibility.

Performance Standard. The Gunner's position will be constructed IAW the references and local unit SOP. Once the event is completed in hours of darkness, then the event can be logged as complete.

Prerequisite. TLDR-2100, TLDR-2101, TLDR-2102, TLDR-2103, TLDR-2119, SLDR-2200, SLDR-2201, SLDR-2202, SLDR-2203, SLDR-2204, SLDR-2205, SLDR-2206, SLDR-2207, SLDR-2209, SLDR-2213 and SLDR-2214.

Reference. TM 11133A-OR/A, MCWP 3-25.10*, and TM 11-5820-890-10-6, TM 10822A-10/1, applicable documents for GSA, mIRC, and TAC chat, and unit SOP(s).

SLDR-2231	9.0	B, R E	(90)		L
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Goal. Construct and Administer Advanced Aircraft Identification Test.

Requirement. Without the aid of reference, and given a list of at 100 combat aircraft consisting of combination of 50 U.S. aircraft and 50 foreign aircraft, the SLDR will correctly instruct and administer student's aircraft identification test. The students

SLDR-2234 2.0 B,R (*) (1) GCU, GPU, THT L

Goal. Recharge the Stinger Tracking Head Trainer(THT).

Requirement. In a practical application environment, recharge the THT by operating the GCU, or GPU per the procedures outlined in the reference.

Performance Standard. Per the reference, and given a GCU, or GPU THT, recharge the THT with argon gas.

Prerequisite. None.

Reference. TM 9-1425-433-10.

SLDR-2235 1.0 B, R (*) L

Goal. Control machine gun fires.

Requirement. Given a mission and a LAAD AMANPADS Section, conduct the following.

- (1) Issue five paragraph order.
- (2) Ensure machinegun teams and weapons are positioned properly and cover their assigned sectors of responsibility.
- (3) Maintain two way communications with each team and unit commander.
- (4) Direct engagement of all enemy targets through fire commands and signals.
- (5) Maintain constant awareness of ammunition supply.
- (6) Terminate engagement.
- (7) Redistribute ammunition as needed.
- (8) Direct the displacement of the guns.

Performance Standard. The SLDR will direct fire by properly planning, briefing, and executing an operations order that will define the employment of ADMANPADS Section machineguns.

Prerequisite. AGNR-2016, AGNR-2017, AGNR-2018, AGNR-2019, AGNR-2020, AGNR-2021, AGNR-2022, AGNR-2023, AGNR-2024, AGNR-2025, TLDR-2122 and TLDR-2123.

Reference. Applicable weapon TM, MCWP 3-11.2, and MCWP 3-15.1.

Ordnance

- (100) rounds A-131 linked 7.62mm, and
- (100) rounds A-576 linked .50 cal.

External Syllabus Support. Medium machine-gun range capable of supporting mounted and dismounted firing of 7.62mm and .50 cal at 1/5 scale aerial targets flying with varying profiles, and stationary ground targets that are setup at various ranges.

3.10.6 Platoon Sergeant (PSGT)

3.10.6.1 Purpose. The Platoon Sergeant ensures the LAAD gunner is trained and capable of carrying out the orders of the Platoon Commander. He is

capable of performing all task required of the platoon commander in his absence as well as the section leader. He serves as the senior enlisted technical and tactical advisor as well as the logistical chief to the platoon commander.

3.10.6.2 General.

Prerequisite. CERT-6004.

Crew Requirements. Core proficient LAAD platoon.

Academic Training. Academic training will be conducted prior to and/or concurrent with required events. An academic event, once completed, can be credited as a prerequisite for follow-on training events.

Live and Simulator Event Training. 10 Events/31 Hours.

PSGT-2300 1.0 B, R (365) EKMS MATERIAL L

Goal. Handle EKMS keying materials/communications aids.

Requirement. Per the references, ensure your platoon has a complete and comprehensive understanding of the proper way to receive, store, transport, destroy, safeguard and complete required destruction records.

Performance Standard. The PSGT will ensure proper receipt, storage, transportation, safeguarding, destruction, and completion of required destruction records.

Prerequisite. SLDR-2200, SLDR-2201.

Reference. EKMS-1.

PSGT-2301 3.0 B, R (365) (2) DTD L

Goal. Supervise the Operation of cryptographic Data Transfer Device (DTD).

Requirement. Per the reference ensure your SLDR has a complete and comprehensive understanding of the proper way to operate the cryptographic DTD.

- (1) Operate.
- (2) Store a key.
- (3) Transfer a key.
- (4) Delete a key.
- (5) Zeroize.

Performance Standard. Supervise the correct operation of the DTD conducting all steps noted above IAW the reference.

Prerequisite. SLDR-2200, SLDR-2201 and PSGT-2300.

Reference. TM 09766A-10, TM 11-5810-394-20&P, and Allied Signal Users Manual ON477430 Rev E.

PSGT-2302 6.0 B,R (365) (2)LAAD Organic VHF & (2)HF Radios L

Goal. Supervise the Communication of the LAAD Organic HF Communication Equipment a SLDR position and a Platoon Commanders Position.

Requirement. Per the reference, the PSGT will ensure the SLDR and platoon commander have properly initialized, filled, setup and communicated with a distant station utilizing proper communications procedures.

Performance Standard. Ensure that the SLDR and Platoon Commander has properly connected and filled the LAAD Organic HF radio communicated with another station.

Prerequisite. SLDR-2202, SLDR-2203, SLDR-2205, SLDR-2206 and SLDR-2207.

Reference. TM 10822A-10/1, Allied Signal User Manual ON477430 Rev E.

PSGT-2303 3.0 B, R (365) (1)MRC-148 L

Goal. Setup and operate the MRC-148.

Requirement. Per the references, perform site selection, emplace, and operate the MRC-148.

Performance Standard. With the guidance of a radio operator, emplace and conduct a radio check with another station.

Prerequisite. TLDR-2119, SLDR-2204 and SLDR-2206.

Reference. TM 10822A-10/1.

PSGT-2304 2.0 B, R (*) L

Goal. Supervise establishment of communications in the command post.

Requirement. Ensure the command post communication nets are established.

- (1) VHF nets.
- (2) HF nets.
- (3) Ground Situational Awareness (GSA) (as applicable).
- (4) Internet Relay Chat (IRC) (as applicable).
- (5) TAC Chat (as applicable).

Performance Standard. The PSGT will establish command post communication nets per the unit SOP, considering at a minimum the following:

- (1) Communications/command and control.
- (2) Cover and concealment/passive air defense measures.
- (3) Local security.
- (4) Safety requirements.
- (5) Accessibility.
- (6) Integration requirements.

Prerequisite. TLDR-2100, TLDR-2101, TLDR-2102, TLDR-2103, TLDR-2105, TLDR-2106, SLDR-2200, SLDR-2201, SLDR-2203, SLDR-2204 and SLDR-2205.

Reference. TM 11-5820-890-10-6, TM 10822A-10/1, applicable documents for GSA, mIRC, and TAC chat, and unit SOP(s).

PSGT-2305 4.0 B, R (*) _____ L

Goal. Develop and Implement a Unit Training Plan.

Requirement. Given appropriate Marine Corps orders, and current readiness information, develop and implement a unit training plan.

Performance Standard. The training plan will incorporate training events that support the mission essential tasks listed in chapter 1 of this Manual.

Prerequisite. None.

Reference. MCWP 3-25.10, MCWP 3-25.11, MCO 3500.109, NAVMC 3500.14B, MCRP 3-0A, and MCRP 3-0B.

PSGT-2306 1.0 B, R (*) _____ ACADEMIC _____ L

Goal. Demonstrate an understanding of the Air Tasking Order (ATO).

Requirement. Given the references demonstrate an understanding of the ATO, considering the following:

- (1) Schedule of friendly aircraft.
- (2) Point of origin of friendly aircraft.

Performance Standard. The LAAD Platoon sergeant will extract the pertinent information from the ATO.

Prerequisite. None.

Reference. FMFM 5-4A, FMFM 5-60, JPUB 3-56.1 and MCWP 3-2.

PSGT-2307 1.0 B (*) _____ ACADEMIC _____ L

Goal. Demonstrate an understanding of the Air Control Plan (ACP).

Requirement. Given the references demonstrate an understanding of the ACP, including a description of procedures and systems that provide airspace control during the specified time period.

Performance Standard. The LAAD Platoon sergeant will extract the pertinent information from the ACP.

Prerequisite. None.

Reference. FMFM 5-4A, FMFM 5-60, JPUB 3-56.1, and MCWP 3-2.

PSGT-2308 1.0 B (*) _____ ACADEMIC _____ L

Goal. Demonstrate an understanding of the Air Control Order (ACO).

- (b) Combat Service Support Operations Center (CSSOC).
- (c) Airfield Arrival Control Group/Departure Airfield Control Group (AACG/DACG).

Performance Standard. Pass a written examination and practical application with 80% accuracy.

Prerequisite. None.

Reference. MCWP 4-1 and MCWP 4-11.

3.10.7 Operations Chief (OPSC)

3.10.7.1 Purpose. The Operations Chief ensures the Battery/Battalion is ready to accomplish its assigned mission. He serves as the senior enlisted technical and tactical advisor as well as the logistic chief for the Battery Commander.

3.10.7.2 General.

Prerequisite. CERT-6004.

Crew Requirements. Core skill proficient LAAD battery.

Academic Training. Academic training will be conducted prior to and/or concurrent with required events. An academic event, once completed, can be credited as a prerequisite for follow-on training events.

Live and Simulator Event Training. 3 Events/49 Hours.

OPSC 2400	24.0	B, R, E	(540)	L/S
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Goal. Establish a Command Post.

Requirement. Given equipment and personnel required in unit SOP, establish a Battery or Battalion-size Command Post by conducting the following:

- (1) Identify a command post location that will facilitate command, control, and communications (C3).
- (2) Pick a position that is covered and concealed rear of the forward friendly units.
- (3) Identify alternate locations in the event the command post must be displaced rapidly.
- (4) Organize personnel, equipment, and vehicles to operate and provide security indefinitely on a round the clock basis.
- (5) Organize/Operate the command post per prescribed procedures contained in the unit SOP.

Performance Standard. The OPSC will establish a command post per the unit SOP, considering at a minimum the following:

- (1) Communications/command and control.
- (2) Cover and concealment/passive air defense measures.
- (3) Local security.
- (4) Safety requirements.
- (5) Accessibility.
- (6) Integration requirements.

3.11 MISSION SKILL PROFICIENCY TRAINING (3000)

3.11.1 Purpose. To train LAAD Gunners on employing LAAD units while executing the various mission sets required to fulfill the Mission Essential Tasks (METs) assigned to the LAAD Battalions. The Core Skills obtained during the SLDR, PSGT, and OPSC stage certifications will be applied in the field environment, often while integrating with MACCS agencies or GCE units. LAAD Gunners who complete events will have demonstrated their leadership ability and proficiency in the TTPs related to the Ground Based Air Defense and Air Base Ground Defense missions.

3.11.2 General

3.11.2.1 Prerequisite. Completion of certifications are not required to complete mission skill events, however each mission skill event has specific core skill events listed as prerequisites.

3.11.2.2 Mission Skill Stages

PAR NO.	STAGE NAME	ABBREV
3.11.3	Ground Based Air Defense	GBAD
3.11.4	Air Base Ground Defense	ABGD

3.11.2.3 Administrative Notes

- (1) All events will be evaluated by a designated LETI or WTI.
- (2) Completion of events will be documented in the IPR and will count towards completion of qualification.

3.11.3 Ground Based Air Defense (GBAD)

3.11.3.1 Purpose. GBAD mission skill events allow the LAAD gunner to refine skills obtained in the core skill stage and demonstrate proficiency in a field environment.

3.11.3.2 General.

Prerequisite. CERT-6001 and CERT-6002 and specific Core Skill events per mission skill event.

Crew Requirements. Core skill proficient LAAD sections, platoons and batteries, and LAAD CP personnel.

Academic Training. None.

Total Training Events: 14 Events/160 Hours.

GBAD-3000 12.0 B, R, E (365) L/S

Goal. Employ a LAAD Section in a Point Defense.

Requirement. Given equipment, personnel required by the unit SOP, a scenario and operations order, Plan for and execute the employment of a LAAD section in a Point Defense.

- (1) Intelligence Preparation of the Battlefield (IPB).

Performance Standard. The Section Leader will develop a plan that addresses the considerations listed above and employ a LAAD section as a Surveillance and Weapons Gap Filler.

Prerequisite. SLDR-2200, SLDR-2201, SLDR-2202, SLDR-2203, SLDR-2204, SLDR-2205, SLDR-2221, SLDR-2224, SLDR-2228, SLDR-2229 and SLDR-2230.

Reference. MCWP 3-25.10, MCWP 3-25.11, MCRP 3-40.3C, ACP-125, FM 24-18, FMF 3-1 and MCO 3500.27.

External Syllabus Support. Training area capable of supporting large numbers of tactical vehicles moving in formations, and radio frequencies to Command and Control

GBAD-3002 12.0 B, R, E (365) L

Goal. Employ a LAAD Section in Defense of a Maneuver Unit.

Requirement. Given equipment, personnel required by the unit SOP, a scenario and operations order, plan for and execute the employment of a LAAD section in Defense of a Maneuver Unit by addressing the following:

- (1) Intelligence Preparation of the Battlefield (IPB).
- (2) LAAD section Capabilities, Limitations and Requirements.
- (3) Air Defense Priorities.
- (4) Air Defense Control Measures.
- (5) Identification Criteria.
- (6) Sectors of Fire.
- (7) Rules of Engagement (ROE).
- (8) Integration Plan.
- (9) Communications Plan.
- (10) CASEVAC Procedures.
- (11) Logistics/Load-Out Requirements.
- (12) Night Operations.
- (13) Operational Risk Management (ORM).
- (14) Surveillance Plan.
- (15) Command and Support Relationships.
- (16) Command Post Operations.

Performance Standard. The Section Leader will develop a plan that addresses the considerations listed above and employ a LAAD section in the Defense of a Maneuvering Unit.

Prerequisite. SLDR-2200, SLDR-2201, SLDR-2202, SLDR-2203, SLDR-2204, SLDR-2205, SLDR-2221, SLDR-2222, SLDR-2228, SLDR-2229 and SLDR-2230.

Reference. MCWP 3-25.10, MCWP 3-25.11, MCRP 3-40.3C, ACP-125, FM 24-18, FMF 3-1 and MCO 3500.27.

External Syllabus Support. Training area capable of supporting large numbers of tactical vehicles moving in formations, and radio frequencies to Command and Control.

GBAD-3003 12.0 B, R, E (365) L/S

Goal. Employ a LAAD Section in Defense of a Convoy.

Requirement. Given equipment, personnel required by the unit SOP, a scenario and operations order, plan for and execute the employment of a LAAD section in the Defense of a Convoy.

- (1) Intelligence Preparation of the Battlefield (IPB).
- (2) LAAD section Capabilities, Limitations and Requirements.
- (3) Air Defense Priorities.
- (4) Route.
- (5) Air Defense Control Measures.
- (6) Identification Criteria.
- (7) Sectors of Fire.
- (8) Rules of Engagement (ROE).
- (9) Integration Plan.
- (10) Communications Plan.
- (11) Bump Plan.
- (12) Recovery Plan.
- (13) CASEVAC Procedures.
- (14) Logistics/Load Out Requirements.
- (15) Quick Reaction Force Procedures (QRF).
- (16) Night Operations.
- (17) Operational Risk Management (ORM).

Performance Standard. The Section Leader will develop a plan that properly addresses the employment of a LAAD section unit that has been assigned a convoy operation mission and ensuring that all items above are addressed.

Prerequisite. SLDR-2200, SLDR-2201, SLDR-2202, SLDR-2203, SLDR-2204, SLDR-2205, SLDR-2221, SLDR-2223, SLDR-2228, SLDR-2229 and SLDR-2230.

Reference. MCRP 4-11-3H and unit SOP's.

External Syllabus Support. Training area capable of supporting large numbers of tactical vehicles moving in formations, and radio frequencies to Command and Control.

GBAD-3004 8.0 B, R, E (365) L

Goal. Employ a LAAD Section in a Base Defense Zone

Requirement. Given equipment, personnel required by the unit SOP, a scenario and operations order, plan for and execute the employment of a LAAD section in a Base Defense Zone

- (1) Intelligence Preparation of the Battlefield (IPB).
- (2) LAAD section Capabilities, Limitations and Requirements.
- (3) Air Defense Priorities.
- (4) Air Defense Control Measures.
- (5) Identification Criteria.
- (6) Sectors of Fire.
- (7) Rules of Engagement (ROE).
- (8) Integration Plan.
- (9) Communications Plan.

- (2) LAAD section Capabilities, Limitations and Requirements.
- (3) Air Defense Priorities.
- (4) Air Defense Control Measures
- (5) Identification Criteria
- (6) Sectors of Fire
- (7) Rules of Engagement (ROE)
- (8) Integration Plan
- (9) Communications Plan
- (10) CASEVAC Procedures
- (11) Logistics/Load-Out Requirements
- (12) Night Operations
- (13) Operational Risk Management (ORM)
- (14) Surveillance Plan
- (15) Command and Support Relationships
- (16) Command Post Operations

Performance Standard. The Platoon Sergeant will assist in the development of a plan that properly addresses the employment of a LAAD platoon that has been assigned to the Defense of a Maneuvering unit and ensuring that all items above are addressed.

Prerequisite. GBAD-3002.

Reference. MCWP 3-25.10, MCWP 3-25.11, MCRP 3-40.3C, ACP-125, FM 24-18, FMF 3-1 and MCO 3500.27.

External Syllabus Support. Training area capable of supporting large numbers of tactical vehicles moving in formations, and radio frequencies to Command and Control.

GBAD-3013 12.0 B, R, E (365) L/S

Goal. Assist in the Planning and Employment of a LAAD Platoon in Defense of a Convoy.

Requirement. Given the equipment, personnel required by the unit SOP, a scenario and operations order, assist in the planning of and the execution of a LAAD Platoon in the Defense of a Convoy.

- (1) Intelligence Preparation of the Battlefield (IPB).
- (2) LAAD section Capabilities, Limitations and Requirements.
- (3) Air Defense Priorities.
- (4) Route.
- (5) Air Defense Control Measures.
- (6) Identification Criteria.
- (7) Sectors of Fire.
- (8) Rules of Engagement (ROE).
- (9) Integration Plan.
- (10) Communications Plan.
- (11) Bump Plan.
- (12) Recovery Plan.
- (13) CASEVAC Procedures.
- (14) Logistics/Load-Out Requirements.
- (15) Quick Reaction Force Procedures (QRF).
- (16) Night Operations.
- (17) Operational Risk Management (ORM).

(16) Command Post Operations.

Performance Standard. The Battery Operations Chief will assist in the development of a plan that properly addresses the employment of a LAAD Battery that has been assigned to Surveillance and Weapon Gap Filler ensuring that all items above are addressed.

Prerequisite. GBAD-3011.

Reference. MCWP 3-25.10, MCWP 3-25.11, MCRP 3-40.3C, ACP-125, FM 24-18, FMF 3-1 and MCO 3500.27.

External Syllabus Support. Training area capable of supporting large numbers of tactical vehicles moving in formations, and radio frequencies to Command and Control.

GBAD-3022 12.0 B, R, E (365) L/S

Goal. Assist in the planning of and employment of a LAAD Battery in Defense of a Maneuver Unit.

Requirement. Given equipment, personnel required by the unit SOP, a scenario and operations order, assist in the planning of and execution of a LAAD Battery in Defense of a Maneuver Unit by addressing the following:

- (1) Intelligence Preparation of the Battlefield (IPB).
- (2) LAAD section Capabilities, Limitations and Requirements.
- (3) Air Defense Priorities.
- (4) Air Defense Control Measures.
- (5) Identification Criteria.
- (6) Sectors of Fire.
- (7) Rules of Engagement (ROE).
- (8) Integration Plan.
- (9) Communications Plan.
- (10) CASEVAC Procedures.
- (11) Logistics/Load-Out Requirements.
- (12) Night Operations.
- (13) Operational Risk Management (ORM).
- (14) Surveillance Plan.
- (15) Command and Support Relationships.
- (16) Command Post Operations.

Performance Standard. The Battery Operations Chief will assist in the development of a plan that properly addresses the employment of a LAAD Battery that has been assigned to the Defense of a Maneuvering unit and ensuring that all items above are addressed.

Prerequisite. GBAD-3012.

Reference. MCWP 3-25.10, MCWP 3-25.11, MCRP 3-40.3C, ACP-125, FM 24-18, FMF 3-1 and MCO 3500.27.

External Syllabus Support. Training area capable of supporting large numbers of tactical vehicles moving in formations, and radio frequencies to Command and Control.

GBAD-3023 12.0 B, R, E (365) L

Goal. Assist in the Planning for and Employ a LAAD Battery in a Base Defense Zone.

Requirement. Given equipment, personnel required by the unit SOP, a scenario and operations order, Plan for and execute the employment of a LAAD Battery in a Base Defense Zone.

- (1) Intelligence Preparation of the Battlefield (IPB).
- (2) LAAD section Capabilities, Limitations and Requirements.
- (3) Air Defense Priorities.
- (4) Air Defense Control Measures.
- (5) Identification Criteria.
- (6) Sectors of Fire.
- (7) Rules of Engagement (ROE).
- (8) Integration Plan.
- (9) Communications Plan.
- (10) CASEVAC Procedures.
- (11) Logistics/Load Out Requirements.
- (12) Night Operations.
- (13) Operational Risk Management (ORM).
- (14) Surveillance Plan.
- (15) Command and Support Relationships.
- (16) Command Post Operations.
- (17) Airspace Coordination Measures.

Performance Standard. The Battery Operations Chief will assist in the development of a plan that properly addresses the employment of a LAAD Battery that has been assigned to a Base Defense Zone ensuring that all items above are addressed.

Prerequisite. GBAD-3014.

Reference. MCRP 3-25.10, IAW Unit SOP.

External Syllabus Support. Training Area capable of supporting vehicle movement and emplacement.

3.11.4 Air Base Ground Defense (ABGD)

3.11.4.1 Purpose. ABGD mission skill events allow the LAAD officer to apply core skills to the second mission and demonstrate proficiency in a field environment.

3.11.4.2 General

Prerequisite. Event specific.

Crew Requirements. Core skill proficient LAAD sections, platoons and batteries, and LAAD CP personnel.

Academic Training. None.

Total Training Events. 5 Events/56 Hours.

ABGD-3100 12.0 B,R,E (365) (1)LAAD SECTION WITH COMPLETE TACTICAL LOAD
OUT L

Goal. Employ of the LAAD section in mounted and dismounted patrols.

Requirement. Given a tactical scenario, conduct mounted and dismounted patrols, while considering:

- (1) Route reconnaissance.
- (2) Security.
- (3) Fire support planning and coordination.
- (4) Communications plan.
- (5) Immediate Action Drills (IDF, Direct Fire Ambush, IED, Sniper).
- (6) Supporting arms plan and coordination.
- (7) Coordination with adjacent units.

Performance Standard. The LAAD section shall conduct mounted and dismounted patrols.

Prerequisite. AGNR-2000, AGNR-2002, AGNR-2004, AGNR-2005, AGNR-2006, AGNR-2007, AGNR-2008, AGNR-2015, AGNR-2016, AGNR-2017, AGNR-2018, AGNR-2019, AGNR-2020, AGNR-2021, AGNR-2022, AGNR-2023, AGNR-2024, AGNR-2025, AGNR-2026, TLDR-2100, TLDR-2101, TLDR-2103, TLDR-2104, TLDR-2106, TLDR-2107, TLDR-2108, TLDR-2109, TLDR-2110, TLDR-2114, TLDR-2116, TLDR-2117, TLDR-2122, TLDR-2123, TLDR-2125, SLDR-2200, SLDR-2201, SLDR-2202, SLDR-2209, SLDR 2215, SLDR-2227, SLDR-2228, SLDR-2229, SLDR-2230 and SLDR-2235.

Reference. TTECG & MAWTS-1 Convoy Operations Battle Book March 2005, MCWP 3-21.1, MCWP 3-17, MCRP 3-16C, MCRP 3-33.5, MCWP 3-34.1, MCWP 3-15.1, MCRP 3-41.1A, MCWP 3-11.2 and MCWP 3-11.3.

External Syllabus Support. Training Area capable of supporting vehicle movement and site emplacement.

ABGD-3101 12.0 B,R,E (365) (1)LAAD SECTION WITH COMPLETE TACTICAL LOAD
OUT L

Goal. Establish and operating Entry Control Point/Vehicle Control Point.

Requirement. Given a tactical scenario, establish and operate Entry Control Point/Vehicle Control Point, while considering:

- (1) Security from external threats.
- (2) Internal over watch/security.
- (3) Standoff distance from MSR.
- (4) Barrier plan/traffic control.
- (5) Vehicle search area.
- (6) Personnel search area.

Performance Standard. The LAAD section shall establish and operate an Entry Control Point/Vehicle Control Point.

Prerequisite. AGNR-2000, AGNR-2002, AGNR-2004, AGNR-2005, AGNR-2006, AGNR-2007, AGNR-2008, AGNR-2015, AGNR-2016, AGNR-2017, AGNR-2018, AGNR-2019, AGNR-2020, AGNR-2021, AGNR-2022, AGNR-2023, AGNR-2024, AGNR-2025, AGNR-2026, TLDR-2100, TLDR-2101, TLDR-2103, TLDR-2104, TLDR-2106, TLDR-2107, TLDR-2108, TLDR-2109, TLDR-2110, TLDR-

2114, TLDR-2116, TLDR-2117, TLDR-2122, TLDR-2123, TLDR-2125, SLDR-2200, SLDR-2201, SLDR-2202, SLDR-2209, SLDR 2215, SLDR-2227, SLDR-2228, SLDR-2229, SLDR-2230 and SLDR-2235.

Reference. TTECG & MAWTS-1 Convoy Operations Battle Book March 2005, MCWP 3-21.1, MCWP 3-17, MCRP 3-16C, MCRP 3-33.5, MCWP 3-34.1, MCWP 3-15.1, MCRP 3-41.1A, MCWP 3-11.2 and MCWP 3-11.3.

ABGD-3102 12.0 B,R,E (365) (1)LAAD SECTION WITH COMPLETE TACTICAL LOAD OUT
L

Goal. Construction and employing the LAAD section as a Quick Reaction Force (QRF).

Requirement. Given a tactical scenario, employ section as a Quick Reaction Force (QRF), while considering:

- (1) Patrol/Convoy basics.
- (2) Maintain situational awareness of battle space.
- (3) Establish preplanned battle drills.
- (4) Coordinate with ECPs and other patrols/convoys within the unit Area of Operations.
- (5) Receive mission updates on the move/enroute.
- (6) Preplan for Casevac.

Performance Standard. The LAAD platoon shall conduct QRF operations.

Prerequisite. ABGD-3100.

Reference. TTECG & MAWTS-1 Convoy Operations Battle Book March 2005, MCWP 3-21.1, MCWP 3-17, MCRP 3-16C, MCRP 3-33.5, MCWP 3-34.1, MCWP 3-15.1, MCRP 3-41.1A, MCWP 3-11.2 and MCWP 3-11.3.

ABGD-3103 12.0 B,R,E (365) (1)CP TENT, (1)CPOF COMPUTER, HF AND VHF RADIOS,
(1)BFT L

Goal. Establish a Base Defense Operations Center (BDOC).

Requirement. Given a tactical scenario, area of operation, and all associated equipment, establishes a BDOC, considering at a minimum the following:

- (1) Conduct site selection analysis.
- (2) Establish communication with higher headquarters and platoon commanders.
- (3) Construct and update status board.
- (4) Update 1:50,000 and JOGAIR maps.
- (5) Cover and concealment/passive air defense measures.
- (6) Local security.
- (7) Integration with command and control agencies.

Performance Standard. The BDOC will be established and provide command and control for the security force.

Prerequisite. SLDR-2200, SLDR-2201, SLDR-2202, SLDR-2203, SLDR 2204, SLDR-2205, SLDR-2207, SLDR-2209, SLDR-2210, SLDR-2211, SLDR-2212, SLDR-2215, PSGT-2300, PSGT 2301, PSGT-2302, PSGT-2304, OPSC-2400 and OPSC-2401.

Reference. TTECG & MAWTS-1 Convoy Operations Battle Book March 2005, MCWP 3-21.1, MCWP 3-17, MCRP 3-16C, MCRP 3-33.5, MCWP 3-34.1, MCWP 3-15.1, MCRP 3-41.1A, and MCWP 3-11.3.

ABGD-3104 8.0 B,R,E (365) (1) LAAD COMMAND POST L

Goal. Serve as a Watch Chief in a Base Defense Operations Center (BDOC).

Requirement. Given a tactical scenario, area of operation, and all associated equipment, serves as a watch officer in a BDOC during ground defense operations. The following will be considered:

- (1) Maintain communication with command and control agencies.
- (2) Maintain situational awareness of the friendly and enemy situation.
- (3) Assist the Commanding Officer in tactical decision making.
- (4) Manage information flow within the command post and between higher headquarters, subordinate units and adjacent agencies.

Performance Standard. The LAAD senior enlisted will serve as a watch officer in a BDOC. At a minimum the requirements listed above will be considered.

Prerequisite. SLDR-2200, SLDR-2201, SLDR-2202, SLDR-2203, SLDR 2204, SLDR-2205, SLDR-2207, SLDR-2209, SLDR-2210, SLDR-2211, SLDR-2212, SLDR-2215, PSGT-2300, PSGT 2301, PSGT-2302, PSGT-2304, OPSC-2400 and OPSC-2401.

Reference. MCWP 3-25.10.

External Syllabus Support. A training area capable of supporting large numbers of tactical vehicles moving in formations.

3.12 CORE SKILL PLUS REQUIREMENTS (4000)

3.12.1 Purpose. This phase contains events that have a low probability of execution or are theater specific. These events provides the requirements for LAAD units to advance proficiency beyond its' primary mission skill sets.

3.12.2 General

3.12.2.1 Prerequisite. Complete the Appropriate Core Skills Associated with each Designated Billet.

3.12.2.2 Stages. The following stage is included in the Core Skill Plus Phase of training.

PAR NO.	STAGE NAME	ABBREV
3.12.3	Ground Based Air Defense	GBAD
3.12.4	Command and Control Systems	C2SYS
3.12.5	Formal Schools	SCHL

3.12.2.3 Administrative Notes

(1) The Battalion's LETI and WTI personnel are the only Marines allowed to evaluate the "E" coded events and the Battalion's Operations

Chief/Officer will ultimately be responsible for the tracking and reporting of the Battalion's completion of the Core Skill Plus sets. The Battery Operations Chief's will be responsible for the tracking of their individual Battery's completion of the Core Plus Skill sets. Reporting of the Battery's status to the Battalion Operations Chief/Operations Officer will be done IAW Unit SOP.

(2) Events that are not refresher or certification can be evaluated by LAAD personnel who are current in the event being taught.

3.12.3 Ground Based Air Defense (GBAD)

3.12.3.1 Purpose. To provide training standards for air defense missions that are theater specific or have a low probability of execution.

3.12.3.2 General

Pre-Requisites. Event specific.

Crew Requirements. Event specific.

Academic Training. None.

Total Training Events. 1 Events/ 12 Hours.

GBAD-4000 12.0 B (*) (1)LAAD SECTION WITH LOADOUT L

Goal. Employ a LAAD unit in defense of an Amphibious Ready Group (ARG).

Requirement. While aboard ship or during an amphibious landing, employ a LAAD unit in defense of an ARG, considering the following:

- (1) IPB (Responsiveness to the Threat).
- (2) LAAD capabilities, limitations, and requirements.
- (3) Command/support relationships.
- (4) Air defense priorities.
- (5) Shipboard Bridge / Combat Information Center integration.
- (6) Air defense control measures.
- (7) ID Criteria.
- (8) Rules of engagement.
- (9) Surveillance plan.
- (12) Inter- and Intra-Ship Communications planning.
- (13) Shipboard ASP Procedures / Missile re-supply.
- (14) Logistics planning.
- (15) Helicopter borne operations (where applicable).
- (16) Night operations.
- (17). Amphibious operations (where applicable).
- (18) Operational risk management.
- (19) Split unit operations.

Performance Standard. The ARG will have been provided active air defense by the LAAD unit and the student will plan for LAAD employment

in all areas of operation specifying the following:

- (1) Engagement authority and areas of responsibility to control fires.
- (2) Command and Control.

- (3) Logistics/CSS.
- (4) Intelligence.
- (5) Force protection.
- (6) Once the event is completed in hours of darkness, then the event can be logged as complete.

Prerequisites. CERT-6003.

Reference. MCWP 3-25.10, MCWP 3-25.11, MCRP 3-40.3C, ACP-125, FM 24-18, FMFM 3-1 and MCO 3500.27, MCO P1500.44C, MCWP 3-25.10, MCRP 3-25.10A, MCDP 6, and Ship's Battle Plan.

3.12.4 Command and Control Systems (C2SYS)

3.12.4.1 Purpose. To enhance the LAAD Gunners knowledge of all related programs that are utilized throughout the Marine Corps.

3.12.4.2 General.

Pre-Requisites. None.

Admin Notes. Ensure appropriate personnel are certified in accordance with the pre-requisites listed in the C3 catalog.

Crew Requirements. None.

Academic Training. None.

Total Training Events. 4 Events/13 Hours.

T&R CODE	EVENT DESCRIPTION	POSITION
C2SYS-4921	Operate C2 Personal Computer (C2PC)	SLDR, PSGT, OPSC
C2SYS-4922	Demonstrate proficiency operating the Blue Force Tracker (BFT)	TLDR, SLDR, PSGT, OPSC
C2SYS-4923	Operate Command Post of the Future (CPoF)	PSGT, OPSC
C2SYS-4940	Set up and establish communications utilizing an IRC network	TLDR, SLDR, PSGT, OPSC

Instructor. BI, SI, WTI.

Reference. Manufacturers Operating Instruction, Technical Instructions and Publications.

3.12.5 Schools

3.12.5.1 Purpose. Provide information and T&R Event Codes for various academic schools available .

3.12.5.2 General

Prerequisites. Each school has specific requirements.

Admin Notes. None.

Crew Requirements. None.

Academic Training. None.

Total Training Events. 6 Events.

T&R CODE	EVENT DESCRIPTION	POSITION
SCHL 6005	LAAD Enhanced Training Instructor	SLDR, PSGT, OPSC
SCHL 6000	Weapons Tactical Instructors Course	PSGT, OPSC
SCHL 6020	JT 101 (CBT)	SLDR, PSGT, OPSC
SCHL 6021	Multi Advance Joint Interoperability Course	SLDR, PSGT, OPSC
SCHL 6077	Anti-Terrorism Advance Course	PSGT, OPSC
SCHL 6023	Multi Tactical Data Link Planner Course	SLDR, PSGT, OPSC

3.13 INSTRUCTOR UNDER TRAINING (IUT) (5000)

3.13.1 Purpose. To provide position certified personnel the additional skills necessary to instruct, evaluate and recommend for completion of certifications "trainees" within the unit. Upon completion of the required training, an individual may be considered for instructor designation by the Commanding Officer, WTTP Officer, or directed representative as delineated.

3.13.2 General

3.13.2.1 Administrative Notes

a. The MACCS instructor concept is a means to standardize all instructors across the MACCS in regards to the concepts of managing a WTTP, properly conducting training, performing evaluations and recommending training plans.

b. There are four instructor designations (listed below). The intent is to train individuals with different levels and areas of experience to instruct personnel. Instructor experience is also gained while progressing through the different instructor designations.

(1) Basic Instructor (BI) - Section Leader and Above

(2) Senior Instructor (SI) - Platoon Sergeant and above.

(3) LAAD Enhancement Training Instructor (LETI) - Section Leader and above.

(4) Weapons and Tactics Instructor (WTI) - Platoon Sergeants and above.

c. The MAWTS-1 C3 Course catalog contains the training requirements for the above listed instructors. The catalog is located at the MAWTS-1 website, <https://www.intranet.tecom.usmc.mil/sites/mawts1/default.aspx>. The table below lists all IUT events.

d. Upon completion of WTI or LETI Course, the Gunner will be eligible for designation as a WTI or LETI at the discretion of the commanding officer. Once designated, a letter designating the Gunner as a WTI or LETI shall be placed in the IPR along with any waivers, deferments or endorsements; tracking code will be logged as DESG-6322 for WTI and DESG-6323 for LETI.

e. Prior to providing instruction on any event in this syllabus, Gunners shall complete basic instructor training events IUT-500 through IUT-

503. They shall also be proficient in those areas/events in which they instruct.

f. Instructor training will only be conducted by a designated LETI or WTI.

g. Live and simulated training. 7 events/ 14 hours.

T&R CODE	EVENT DESCRIPTION	POSITION
IUT-5000	INTRODUCE PRINCIPLES OF INSTRUCTION	BI
IUT-5010	UNDERSTANDING THE STRUCTURE OF AN EVENT	BI
IUT-5020	CONDUCT A PERIOD OF INSTRUCTION ON A T&R EVENT	BI
IUT-5100	UNDERSTANDING THE AVIATION T&R PROGRAM	SI
IUT-5110	UNDERSTANDING THE APPLICABLE COMMUNITY T&R PROGRAM	SI
IUT-5120	UNDERSTANDING T&R ADMINISTRATION	SI
IUT-5130	DEVELOP A TRAINING PLAN	SI

3.14 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS AND DESIGNATIONS (6000)

3.14.1 Purpose. This phase contains certification, qualification and designation tracking codes designed to facilitate training management. This level also provides community standardization for combat leadership designation.

3.14.2 General

(1) Once a LAAD Gunner has completed all requirements for a certification qualifications, or designation, the Battalion's WTI shall review the IPR and staff the appropriate letter to the commander for approval. Once certified, the LAAD Gunner becomes eligible for the applicable designation.

(2) Gunnery do not receive the certification, qualifications or designation until the commander or designated representative has approved it in writing, corresponding tracking code is logged, signed letter is filed in the IPR and all required administrative actions have been taken.

3.14.3 Certifications

3.14.3.1 Purpose. Track Gunner certifications.

3.14.3.2 General

3.14.3.2.1 Administrative Notes

(1) All syllabus training requirements for a certification must be completed prior to being certified.

(2) In order for a certification to remain current, the Gunner shall maintain proficiency in all core skills required for that certification to remain current.

(3) If proficiency is lost for one or more core skills, the Gunner shall regain proficiency by completing all R-coded events within each core skill in which the proficiency was lost.

(4) Based on a Gunner's demonstrated maturity, knowledge and tactical proficiency, if recommended by an SI, LETI, or WTI, the commanding officer may waive the time in billet prerequisite.

3.14.3.2.2 Gunner Certifications

- (1) Assistant Gunner (AGNR)
- (2) Team Leader (TLDR)
- (3) Section Leader (SLDR)
- (4) Platoon Sergeant (PSGT)
- (5) LAAD Operations Chief (OPSC)

CERT-6001

Goal. Tracking code for a LAAD Assistant Gunner certification.

Requirement. Completion of the 2000 phase events listed in the Individual CSP Attain Table for AGNR.

Prerequisite. Completion of the Basic LAAD Gunner's course.

CERT-6002

Goal. Tracking code for a LAAD Team Leader certification.

Requirement. Completion of the 2100 phase events listed in the Individual CSP Attain Table for SLDR. The Battalion Commander will certify the LAAD Team leader in writing and ensure the letter is filed in the IPR after this code is logged.

Prerequisite. CERT-6001. A minimum of 6 months of service in an A-Gunners billet.

CERT-6003

Goal. Tracking code for a LAAD Section Leader certification.

Requirement. Completion of the 2200 phase events listed in the Individual CSP Attain Table for Section Leader. The Battalion Commander will certify the LAAD Team Leader as a LAAD Section Leader in writing and ensure the letter is filed in the IPR after this code is logged.

Prerequisite. CERT-6002. Minimum of 18 months of service as a Team Leader.

CERT-6004

Goal. Tracking code for a LAAD Platoon Sergeant certification.

Requirement. Completion of the 2300 phase events listed in the Individual CSP Attain Table for Platoon Sergeant. The Battalion Commander will certify the LAAD Platoon Sergeant in writing and ensure the letter is filed in the IPR after this code is logged.

Prerequisite. CERT-6003. Minimum of 36 months as a section leader.

CERT-6005

Goal. Tracking code for a LAAD Battalion/Battery Operations Chief certification.

Requirement. Completion of the 2400 phase events listed in the Individual CSP Attain Table for Battalion/Battery Operations Chief. The Battalion Commander will certify the LAAD Battalion/Battery Operations Chief in writing and ensure the letter is filed in the IPR after this code is logged.

Prerequisite. CERT-6004.

3.14.4 Qualifications

3.14.4.1 Purpose. To track LAAD gunner qualification codes.

3.14.4.2 General

3.14.4.2.1 Administrative Notes

(1) All syllabus training events for a qualification must be completed prior to being qualified.

(2) In order for a qualification to remain current, a LAAD gunner shall maintain proficiency in all required mission skills.

(3) Qualifications will remain effective for twelve months. To regain or renew all events must be performed again within a twelve month period.

3.14.4.2.2 Qualifications

- (1) Section Leader in GBAD
- (2) Platoon Sergeant in GBAD
- (3) BN/BTRY Operations Chief in GBAD
- (4) Section Leader in ABGD
- (5) BN/BTRY Operations Chief in ABGD

QUAL-6200

Goal. Tracking code for Section Leader in GBAD.

Requirement. The LAAD Gunner will be qualified as a LAAD Section Leader upon completion of all mission skill events listed in the attain table in paragraph 3.5.3.d. The Battalion Commander will sign the qualification letter stating the individual is qualified as a LAAD Section Leader in the GBAD mission.

Prerequisite. GBAD-3000, GBAD-3001, GBAD-3002, GBAD-3003 and GBAD-3004.

QUAL-6201

Goal. Tracking code for Platoon Sergeant in GBAD.

Requirement. The LAAD Gunner will be qualified as a LAAD Platoon Sergeant upon completion of all mission skill events listed in the attain table in paragraph 3.5.3.d. The Battalion Commander will sign the qualification letter stating the individual is qualified as a LAAD Platoon Sergeant in the GBAD mission.

Prerequisite. GBAD-3010, GBAD-3011, GBAD-3012, GBAD-3013 and GBAD-3014.

QUAL-6202

Goal. Tracking code for Operations Chief in GBAD.

Requirement. The LAAD Gunner will be qualified as a LAAD Operations Chief upon completion of all mission skill events listed in the attain table in paragraph 3.5.3.d. The Battalion Commander will sign the qualification letter stating the individual is qualified as a LAAD BN/BTRY Operations Chief in the GBAD mission.

Prerequisite. GBAD-3020, GBAD-3021, GBAD-3022 and GBAD-3023.

QUAL-6210

Goal. Tracking code for Section Leader in ABGD.

Requirement. The LAAD Gunner will be qualified as a LAAD Section Leader upon completion of all mission skill events listed in the attain table in paragraph 3.5.3.d. The Battalion Commander will sign the qualification letter stating the individual is qualified as a LAAD Section Leader in the ABGD mission.

Prerequisite. ABGD-3100, ABGD-3101 and ABGD-3102.

QUAL-6211

Goal. Tracking code for Operations Chief in ABGD.

Requirement. The LAAD Gunner will be qualified as a LAAD Operations chief upon completion of all mission skill events listed in the attain table in paragraph 3.5.3.d. The Battalion Commander will sign the qualification letter stating the individual is qualified as a LAAD BN/BTRY Operations Chief in the ABGD mission.

Prerequisite. ABGD-3103 and ABGD-3104.

3.14.5 Designations

3.14.5.1 Purpose. To track the designation of combat leaders, Gunner billet holders and LAAD instructors. All syllabus training requirements for a specific designation must be complete prior to being designated. Training management personnel shall log final designation codes once designated by the commanding officer or direct representative.

3.14.5.2 General

3.14.5.2.1 Administrative Notes. A commanding officer may grant a designation to a LAAD Gunner when the Gunner completes all training requirements for that designation. The designation is effective when the squadron WTI reviews the IPR and staffs the designation letter, the commander signs the letter, the appropriate designation code is logged, and all administration is complete.

3.14.5.2.2 LAAD Gunner Designations

- (1) Assistant Gunner (AGNR)
- (2) Team Leader (TLDR)
- (3) Section Leader (SLDR)
- (4) Platoon Sergeant (PSGT)
- (5) Operations Chief (OPSC)
- (6) LAAD Enhanced Training Instructor (LETI)
- (7) Weapons and Tactics Instructor (WTI)
- (8) Basic Instructor (BI)
- (9) Senior Instructor (SI)

DESG-6110

Goal. Tracking code for a LAAD Assistant Gunner designation.

Requirement. After recommendation by an SI or WTI, the Battalion Commander will designate the LAAD Gunner as an Assistant Gunner in writing and ensure the letter is filed in the IPR after this code is logged.

Prerequisite. Completion of Core Skill Introduction Training Phase.

DESG-6111

Goal. Tracking code for a LAAD Team Leader designation.

Requirement. After recommendation by an SI or WTI, the Battalion Commander will designate the LAAD Gunner as Team Leader in writing and ensure the letter is filed in the IPR after this code is logged.

Prerequisite. CERT-6001.

DESG-6112

Goal. Tracking code for a LAAD Section Leader designation.

Requirement. After recommendation by an SI or WTI, the Battalion Commander will designate the LAAD Gunner as a Section Leader in writing and ensure the letter is filed in the IPR after this code is logged.

Prerequisite. CERT-6002.

DESG-6113

Goal. Tracking code for a LAAD Platoon Sergeant designation.

Requirement. After recommendation by an SI or WTI, the Battalion Commander will designate the LAAD Gunner as a Platoon Sergeant in

writing and ensure the letter is filed in the IPR after this code is logged.

Prerequisite. CERT-6003.

DESG-6114

Goal. Tracking code for a LAAD Operations Chief designation.

Requirement. After recommendation by an SI or WTI, the Battalion Commander will designate the LAAD Gunner as an Operations Chief in writing and ensure the letter is filed in the IPR after this code is logged.

Prerequisite. CERT-6004.

DESG-6319

Goal. Tracking code for a LAAD Enhancement Training Instructor designation.

Requirement. Be certified by MAWTS-1 as a LETI.

Prerequisite. Per MAWTS-1 LETI course syllabus requirements.

DESG-6322

Goal. Tracking Code for WTI designation.

Requirement. Be certified by MAWTS-1 as a WTI. Upon graduation from the Weapons and Tactics Instructor Course, MCAS Yuma, AZ; graduates shall be designated a 7277 (Command, Control, and Communications WTI).

Prerequisite. Per MAWTS-1 WTI course syllabus requirements.

DESG-6320

Goal. Teaching Code for BI Designation

Requirements. Complete BI Syllabus and Cert-6003

Prerequisite. CERT-6003, IUT-5000, IUT-5010 and IUT-5020.

DESG-6321

Goal. Teaching Code for SI Designation

Requirements. Complete SI Syllabus, Cert-6004 and complete MAWTS-1 LETI Course

Prerequisite. CERT-6004, IUT-5100, IUT-5110 and IUT-5120, IUT-5130 and SCHL-6005.

3.15 AVIATION CAREER PROGRESSION MODEL (ACPM) (8000)

STAGE	TRNG CODE	T&R DESCRIPTION	ACAD TIME	TO BE COMPLETED DURING
ACPM	8000	MACCS	1	3000 PHASE
ACPM	8001	MARINE AIR COMMAND AND CONTROL SYSTEM	4	3000 PHASE
ACPM	8002	TACTICAL AIR COMMAND CENTER (TACC)	4	3000 PHASE
ACPM	8003	DIRECT AIR SUPPORT CENTER (DASC)	4	3000 PHASE
ACPM	8004	TACTICAL AIR OPERATIONS CENTER (TAOC)	4	3000 PHASE
ACPM	8005	MARINE AIR TRAFFIC CONTROL (MATC)	4	3000 PHASE
ACPM	8006	LOW ALTITUDE AIR DEFENSE (LAAD)	4	3000 PHASE
ACPM	8007	UAS SUPPORT TO THE MAGTF	4	3000 PHASE
ACPM	8008	MARINE WING COMMUNICATION SQUADRON (MWCS)	4	3000 PHASE
ACPM	8020	ACE	1	3000 PHASE
ACPM	8021	AVIATION OPERATIONS	4	3000 PHASE
ACPM	8022	CONTROL OF AIRCRAFT AND MISSILES	4	3000 PHASE
ACPM	8023	OFFENSIVE AIR SUPPORT (OAS)	4	3000 PHASE
ACPM	8024	ASSAULT SUPPORT	4	3000 PHASE
ACPM	8025	AIR RECONNAISSANCE	4	3000 PHASE
ACPM	8026	ELECTRONIC WARFARE	4	3000 PHASE
ACPM	8027	ANTI-AIR WARFARE	4	3000 PHASE
ACPM	8028	AVIATION GROUND SUPPORT	4	3000 PHASE
ACPM	8040	THREAT	1	2000 PHASE
ACPM	8041	SURFACE TO AIR THREAT TO THE MAGTF	4	2000 PHASE
ACPM	8042	FIXED WING THREAT TO THE MAGTF	4	2000 PHASE
ACPM	8043	ROTARY WING THREAT TO THE MAGTF	4	2000 PHASE
ACPM	8044	MISSILE AND UAS THREAT TO THE MAGTF	4	2000 PHASE
ACPM	8045	RADIO ELECTRONIC COMBAT THREAT TO THE MAGTF	4	2000 PHASE
ACPM	8060	MAGTF	1	3000 PHASE
ACPM	8061	GROUND COMBAT OPERATIONS	4	3000 PHASE
ACPM	8062	FIRE SUPPORT COORDINATION IN THE GCE	4	3000 PHASE
ACPM	8063	MAGTF COMMAND AND CONTROL	4	3000 PHASE
ACPM	8064	MAGTF COMMUNICATIONS	4	3000 PHASE
ACPM	8065	PHASING CONTROL ASHORE	4	3000 PHASE
ACPM	8080	JOINT AIR OPERATIONS	1	3000 PHASE
ACPM	8081	COMMAND AND CONTROL OF JOINT AIR OPERATIONS	4	3000 PHASE
ACPM	8082	THEATER AIR CROUND SYSTEM (TAGS)	4	3000 PHASE
ACPM	8083	JOINT FIRE SUPPORT	4	3000 PHASE
ACPM	8084	CLOSE AIR SUPPORT	4	3000 PHASE
ACPM	8085	JOINT TARGETING	4	3000 PHASE
ACPM	8086	NORTH ATLANTIC TREATY ORGANIZATION (NATO)	4	3000 PHASE
ACPM	8087	JOINT AIRSPACE CONTROL	4	3000 PHASE
ACPM	8088	COUNTERING AIR AND MISSILE THREATS	4	3000 PHASE
TOTAL ACPM STAGE			39	141

3.16 T&R ATTAIN AND MAINTAIN TABLE

LAAD 7212 ENLISTED											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
CORE SKILL (2000 Phase)											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Setup and Operate an LAAD Organic VHF Communications		2000R	365		2000R		2000R		2000R	-	-
Demonstrate Proper Authentication and Encryption Communication Procedures		2001	*		2001					-	-
Send and Receive Reports		2002	*		2002					AGNR 2000, AGNR 2001	AGNR 2000, AGNR 2001
Aircraft Identification		2003R	90		2003R		2003R		2003R	-	-
State Map Information and Perform Map Skills		2004	*		2004					-	-
Conduct Day Navigation with a Compass		2005R	365		2005R		2005R		2005R	AGNR 2004	AGNR 2004
Conduct Day Navigation with a Military GPS		2006R	365		2006R		2006R		2006R	AGNR 2004	AGNR 2004
Conduct Night Navigation with a Compass and Military GPS		2007R	365		2007R		2007R		2007R	AGNR 2004, AGNR 2005, AGNR 2006	AGNR 2004, AGNR 2005, AGNR 2006
Conduct Tactical Team Load Out		2008R	365		2008R		2008R		2008R	-	-
Prepare a Range Card		2009R	365		2009R		2009R		2009R	-	-
Apply Air Defense Control Measures	AGNR	2010	*	AGNR	2010	AGNR		AGNR		-	-
Operate Stinger Night Sight		2011	*		2011					-	-
Engage Aircraft in the IMTS		2012R	30.0		2012R		2012R		2012R	AGNR 2003, 2010, 2011	AGNR 2003, 2010, 2011
Engage Aircraft Employing Infrared Counter Measure in Different Simulated Environments		2013R	30.0		2013R		2013R		2013R	AGNR 2003, 2010, 2011, 2012	AGNR 2003, 2010, 2011, 2012
Fire the Stinger Launch Simulators(STLS)		2014R	1095		2014R		2014R		2014R	AGNR-2012	AGNR-2012
Conduct immediate action and quick reaction drills w/advance manpad		2015R	180		2015R		2015R		2015R	AGNR-2003, 2010, 2011, 2012, 2013	AGNR-2003, 2010, 2011, 2012, 2013
Operate Night Vision Devices While Conducting Tactical Vehical Operations		2016R	365		2016R		2016R		2016R	-	-
Assemble and Mount the M2 .50 Cal HMG at Night		2017R	365		2017R		2017R		2017R	-	-
Perform Immediate and remedial Action for the M2 .50 Cal HMG		2018R	365		2018R		2018R		2018R	AGNR 2017	AGNR 2017

LAAD 7212 ENLISTED											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
CORE SKILL (2000 Phase)											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Engage Targets with M2 .50 Cal HMG		2019R	365		2019R		2019R		2019R	AGNR 2017, AGNR 2018	AGNR 2017, AGNR 2018
Mount a Limited Visibility Sight on M2 .50 Cal At Night		2020R	365		2020R		2020R		2020R	AGNR 2017	AGNR 2017
Assemble and Mount the M240 MMG At Night		2021R	365		2021R		2021R		2021R	-	-
Perform Immediate and remedial Action for the M240 MMG At Night		2022R	365		2022R		2022R		2022R	AGNR 2021	AGNR 2021
Engage Targets with M240		2023R	365		2023R		2023R		2023R	AGNR 2021, AGNR 2022	AGNR 2021, AGNR 2022
Mount a Limited Visibility Sight on M240 At Night		2024R	365		2024R		2024R		2024R	AGNR 2021	AGNR 2021
Advanced Engagements Of Air and Ground Targets W/ 240 MMG and M2 .50 Cal HMG		2025R	730		2025R		2025R		2025R	AGNR 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024	AGNR 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024
MCI Course Single channel Ground Airborne System(SINCGARS)		2026	*		2026					-	-
Set-up, Operate, and Troubleshoot LAAD organic VHF Communications		2100R	365		2100R		2100R		2100R	AGNR-2000	AGNR-2000
Set-up Organic VHF Communications For Secured Transmissions		2101R	365		2101R		2101R		2101R	TLDR-2100	TLDR-2100
Demonstrate Proper Authentication and Encryption		2102	*		2102					AGNR-2001	AGNR-2001
Send and Receive Reports Organic to a LAAD Battalion		2103	*		2103					AGNR-2002	AGNR-2002
Call For and Adjust Fire		2104R	365		2104R		2104R		2104R	AGNR-2000, 2004, TLDR-2101, 2103	AGNR-2000, 2004, TLDR-2101, 2103
Construct a VHF Field Expediant Antenna	TLDR	2105	*	TLDR	2105	TLDR		TLDR		AGNR-2000, TLDR-2100, 2101	AGNR-2000, TLDR-2100, 2101
Identify Operational Terms and Graphics		2106	*		2106					AGNR-2004	AGNR-2004
Conduct Day Navigation with Compass		2107R	365		2107R		2107R		2107R	AGNR-2005	AGNR-2005
Conduct Day Navigation with a GPS		2108R	365		2108R		2108R		2108R	AGNR-2006	AGNR-2006
Conduct Night Navigation with a Compass and a GPS		2109R	365		2109R		2109R		2109R	AGNR-2007, TLDR-2107, 2108	AGNR-2007, TLDR-2107, 2108
Conduct Mounted Navigation with a GPS		2110R	365		2110R		2110R		2110R	TLDR-2108	TLDR-2108
Identify Capabilities and Characteristics of the Stinger Night Sight		2111	*		2111					AGNR-2011	AGNR-2011

LAAD 7212 ENLISTED														
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX														
CORE SKILL (2000 Phase)														
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS		CHAINING		
T&R DESCRIPTION		STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE				
Advanced Aircraft Identification			2112R	90		2112R		2112R		2112R	AGNR-2003		AGNR-2003	
Apply Air Defense Control Measures			2113R	365		2113R		2113R		2113R	AGNR-2010		AGNR-2010	
Define the Use of Rules of Engagement (ROE)			2114R	365		2114R		2114R		2114R	AGNR-2010, TLDR-2113		AGNR-2010, TLDR-2113	
Identify Manual Cross-Tell and Polar Grid Target Information			2115R	365		2115R		2115R		2115R	-		-	
Prepare a Terrain Model			2116	*		2116					AGNR-2004, TLDR-2106		AGNR-2004, TLDR-2106	
Extract Pertinent Information From an Operation Order			2117R	365		2117R		2117R		2117R	AGNR-2010, TLDR-2113, 2114		AGNR-2010, TLDR-2113, 2114	
Identify Basic Convoy Structure for Air Defense Operations			2118	*		2118					-		-	
Emplace the A-MANPAD			2119R	365		2119R		2119R		2119R	AGNR-2002, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2015, TLDR-2100, 2101, 2103, 2105, 2106		AGNR-2002, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2015, TLDR-2100, 2101, 2103, 2105, 2106	
Demonstrate Emergency Destruction of LAAD Equipment			2120R	365		2120R		2120R		2120R	-		-	
Direct Engagement in the IMTS			2121R	60		2121R		2121R		2121R	AGNR-2003, 2010, 2012, 2013, TLDR-2112, 2113, 2114, 2115		AGNR-2003, 2010, 2012, 2013, TLDR-2112, 2113, 2114, 2115	
Execute Fire Commands			2122	*		2122					AGNR-2025, TLDR-2114		AGNR-2025, TLDR-2114	
Engage Air and Ground Targets Using the M2 .50 Cal and M240			2123R	730		2123R		2123R		2123R	AGNR-2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025		AGNR-2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025	
Engage an Air Target with a Live Stinger Missile			2124R	1095		2124R		2124R		2124R	AGNR-2012, 2013, 2014		AGNR-2012, 2013, 2014	
Supervise Immediate Action and Quick Reaction Drills with the A-MANPADS			2125R	730		2125R		2125R		2125R	ANGR-2015, 2025, TLDR-2121, 2122		ANGR-2015, 2025, TLDR-2121, 2122	
Properly handle EKMS software		SLDR	2200R	365	SLDR	2200R		2200R	SLDR	2200R	TLDR- 2101		TLDR- 2101	
Operate Crypto-Graphic Data Transfer Device			2201R	365		2201R		2201R		TLDR- 2101, SLDR-2200		TLDR- 2101, SLDR-2200		
Operate LAAD Organic VHF Antenna			2202R	365		2202R		2202R		TLDR-2100, 2105		TLDR-2100, 2105		
Operate LAAD Organic HF Communication			2203R	365		2203R		2203R		SLDR-2200, 2201		SLDR-2200, 2201		
MCI 2515H Antenna Construction and Propagation of Radio Waves			2204	*		2204				-		-		

LAAD 7212 ENLISTED											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
CORE SKILL (2000 Phase)											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Construct a High Frequency (HF) Field Expediant Antenna		2205R	365		2205R		2205R		2205R	TLDR-2105, SLDR-2203, 2204	TLDR-2105, SLDR-2203, 2204
MCI 2526B Introduction to Electronic Warfare		2206	*		2206						
MCI 2540 Communications Plans and Orders		2207	*		2207						
Program the IFF Belt Pack		2208R	365		2208R		2208R		2208R	SLDR 2200, SLDR 2201	SLDR 2200, SLDR 2201
Plot and construct operational graphics		2209	*		2209					AGNR-2004, TLDR-2106	AGNR-2004, TLDR-2106
Demonstrate an understanding of the Marine Aviation Wing		2210	*		2210						
List the Units and their Agencies within a Marine Air Control Group (MACG)		2211	*		2211					2210	
Demonstrate an Understanding of the GCE		2212	*		2212						
Understanding OPTASLINK		2213	*		2213						
Construct a Cartesian Coordinate Reference Point		2214R	365		2214R		2214R		2214R	AGNR-2004, TLDR-2106, 2115, SLDR-2209, 2213	AGNR-2004, TLDR-2106, 2115, SLDR-2209, 2213
Define and Apply Rules of Engagement		2215R	540		2215R		2215R		2215R	AGNR-2010, TLDR-2114	AGNR-2010, TLDR-2114
List and Define the Determining Factors for Establishing Air Defence Priorites		2216	*		2216						
List and Define the Air Defense Weapons Emploment Guidelines and Principles		2217R	365		2217R		2217R		2217R		
Apply Employment Guidelines and Principles		2218R	*		2218R					SLDR-2216, 2217	SLDR-2216, 2217
Plan for employment of a LAAD Section in a Direct Support Role		2219R	365		2219R		2219R		2219R	AGNR-2004, TLDR-2106, 2113, 2114, 2115, 2116, 2117, SLDR-2207, 2208, 2218	AGNR-2004, TLDR-2106, 2113, 2114, 2115, 2116, 2117, SLDR-2207, 2208, 2218
Plan for employment of a LAAD Section in a General Support Role		2220R	365		2220R		2220R		2220R	AGNR-2004, TLDR-2106, 2113, 2114, 2115, 2116, 2117, SLDR-2207, 2208, 2218	AGNR-2004, TLDR-2106, 2113, 2114, 2115, 2116, 2117, SLDR-2207, 2208, 2218
Plan for employment of a LAAD section in Point Defense		2221	*		2221					AGNR-2004, TLDR-2106, 2113, 2114, 2115, 2116, 2117, SLDR-2207, 2208, 2218	AGNR-2004, TLDR-2106, 2113, 2114, 2115, 2116, 2117, SLDR-2207, 2208, 2218

LAAD 7212 ENLISTED														
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX														
CORE SKILL (2000 Phase)														
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS		CHAINING		
T&R DESCRIPTION		STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE				
Plan for employment of a LAAD section in a defense of a maneuver unit			2222	*		2222					AGNR-2004, TLDR-2106, 2113, 2114, 2115, 2116, 2117, SLDR-2207, 2208, 2218		AGNR-2004, TLDR-2106, 2113, 2114, 2115, 2116, 2117, SLDR-2207, 2208, 2218	
Plan for employment of a LAAD Section In defense of a Convoy			2223	*		2223					AGNR-2004, TLDR-2106, 2110, 2113, 2114, 2115, 2116, 2117, SLDR-2207, 2208, 2218		AGNR-2004, TLDR-2106, 2110, 2113, 2114, 2115, 2116, 2117, SLDR-2207, 2208, 2218	
Plan for employment of a LAAD section in surveillance and weapon gap filler			2224	*		2224					AGNR-2004, TLDR-2106, 2113, 2114, 2115, 2116, 2117, SLDR-2207, 2208, 2218		AGNR-2004, TLDR-2106, 2113, 2114, 2115, 2116, 2117, SLDR-2207, 2208, 2218	
Plan for employment of a LAAD section in a Base Defense Zone (BDZ)			2225	*		2225					AGNR-2004, TLDR-2106, 2112, 2113, 2114, 2115, 2116, 2117, SLDR-2207, 2208, 2218		AGNR-2004, TLDR-2106, 2112, 2113, 2114, 2115, 2116, 2117, SLDR-2207, 2208, 2218	
Plan for employment of a LAAD unit in Defense of an Amphibious Ready Group			2226	*		2226					AGNR-2004, TLDR-2106, 2112, 2113, 2114, 2115, 2116, 2117, SLDR-2207, 2208, 2218		AGNR-2004, TLDR-2106, 2112, 2113, 2114, 2115, 2116, 2117, SLDR-2207, 2208, 2218	
Receive and Extract Pertinent Information from an Operations Order			2227R	365		2227R		2227R		2227R	AGNR-2004, TLDR-2106, 2113, 2114, 2115, 2116, 2117, SLDR-2207, 2208, 2218		AGNR-2004, TLDR-2106, 2113, 2114, 2115, 2116, 2117, SLDR-2207, 2208, 2218	
Conduct LAAD Employment Planning			2228R	365		2228R		2228R		2228R	AGNR-2004, TLDR-2106, 2113, 2114, 2115, 2116, 2117, SLDR-2207, 2208, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227		AGNR-2004, TLDR-2106, 2113, 2114, 2115, 2116, 2117, SLDR-2207, 2208, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227	
Issue a section five paragraph Operation Order			2229R	365		2229R		2229R		2229R	AGNR-2004, TLDR-2106, 2113, 2114, 2115, 2116, 2117, SLDR-2207, 2208, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227		AGNR-2004, TLDR-2106, 2113, 2114, 2115, 2116, 2117, SLDR-2207, 2208, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227	
Establish a Section Leader Position			2230R	365		2230R		2230R		2230R	TLDR-2100, 2101, 2102, 2103, 2119, SLDR-2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2209, 2213, 2214		TLDR-2100, 2101, 2102, 2103, 2119, SLDR-2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2209, 2213, 2214	
Construct and Administer Advanced Aircraft Identification Test			2231R	90		2231R		2231R		2231R	AGNR-2003, TLDR 2112		AGNR-2003, TLDR 2112	
Conduct a Detailed Aircraft Threat Assessment			2232R	365		2232R		2232R		2232R	TLDR-2112, SLDR-2231		TLDR-2112, SLDR-2231	

LAAD 7212 ENLISTED											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
CORE SKILL (2000 Phase)											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Brief Aircraft Capabilities and Limitations		2233R	90		2233R		2233R		2233R	TLDR-2112 ,SLDR-2231, 2232	TLDR-2112 ,SLDR-2231, 2232
Recharge the THT		2234	*		2234					-	-
Control Machine Gun Fires		2235	*		2235					AGNR-2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, TLDR-2122, 2123	AGNR-2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, TLDR-2122, 2123
Handle CMS Keying Material/Communications Aids		2300R	365		2300R		2300R		2300R	SLDR 2200, 2201	SLDR 2200, 2201
Supervise Crypto Graphic Data Transfer Device		2301R	365		2301R		2301R		2301R	SLDR-2200, 2201, PSGT-2300	SLDR-2200, 2201, PSGT-2300
Supervise the Communications of the LAAD Organic HF Communications Equipment in a Section Leader/ Platoon Commander Position		2302R	365		2302R		2302R		2302R	SLDR-2202, 2203, 2205, 2206, 2207	SLDR-2202, 2203, 2205, 2206, 2207
Set-up and Operate The MRC-148		2303R	365		2303R		2303R		2303R	TLDR-2119, SLDR-2204, 2206	TLDR-2119, SLDR-2204, 2206
Supervise Establishment of Communications in the Command Post	PSGT	2304	*	PSGT	2304	PSGT		PSGT		TLDR-2100, 2101, 2102, 2103, 2105, 2106, SLDR-2200, 2201, 2203, 2204, 2205	TLDR-2100, 2101, 2102, 2103, 2105, 2106, SLDR-2200, 2201, 2203, 2204, 2205
Develop and Implement Unit Training Plan		2305	*		2305					-	-
Demonstrate an understanding of the Air Tasking Order		2306	*		2306					-	-
Demonstrate an understanding of the Airspace Control Plan		2307	*		2307					-	-
Demonstrate an understanding of the Airspace Control Order		2308	*		2308					-	-
Extract the Pertinent Information from the ACO		2309	*		2309					-	-
Establish a Command Post	OPSC	2400R	540	OPSC	2400R	OPSC	2400R	OPSC	2400R	AGNR-2000, 2002, 2004, TLDR-2100, 2101, 2103, 2106, SLDR-2202, 2203, 2205, 2209, 2214, PSGT-2300, 2301, 2302, 2303, 2304	AGNR-2000, 2002, 2004, TLDR-2100, 2101, 2103, 2106, SLDR-2202, 2203, 2205, 2209, 2214, PSGT-2300, 2301, 2302, 2303, 2304

LAAD 7212 ENLISTED

CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX

CORE SKILL (2000 Phase)

T&R EVENT INFORMATION	STAGE	CODE	REFLY	BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
				STAGE	CODE	STAGE	CODE	STAGE	CODE		
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE	PREREQS	CHAINING
Perform Watch Chief Duties in the Combat Operations Center		2401R	540		2401R		2401R		2401R	TLDR-2104, 2113, 2114, 2115, 2125, SLDL-2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, PSGT-2306, 2307, 2308, 2309, OPSC-2400	TLDR-2104, 2113, 2114, 2115, 2125, SLDL-2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, PSGT-2306, 2307, 2308, 2309, OPSC-2400
Demonstrate an understanding of TBMCS		2402	*		2402					PSGT-2306, 2307, 2308	PSGT-2306, 2307, 2308

MISSION SKILL (3000 Phase)

T&R EVENT INFORMATION	STAGE	CODE	REFLY	BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
				STAGE	CODE	STAGE	CODE	STAGE	CODE		
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE	PREREQS	CHAINING
Employ a LAAD Section in a Point Defense		3000R	365		3000R		3000R		3000R	SLDR-2200, 2201, 2202, 2203, 2204, 2205, 2221, 2227, 2228, 2229, 2230	SLDR-2200, 2201, 2202, 2203, 2204, 2205, 2221, 2227, 2228, 2229, 2230
Employ a LAAD Section in a Surveillance Weapons and Gap Filler		3001R	365		3001R		3001R		3001R	SLDR-2200, 2201, 2202, 2203, 2204, 2205, 2221, 2224, 2228, 2229, 2230	SLDR-2200, 2201, 2202, 2203, 2204, 2205, 2221, 2224, 2228, 2229, 2230
Employ a LAAD Section in a Defense of a Maneuvering Unit		3002R	365		3002R		3002R		3002R	SLDR-2200, 2201, 2202, 2203, 2204, 2205, 2221, 2222, 2228, 2229, 2230	SLDR-2200, 2201, 2202, 2203, 2204, 2205, 2221, 2222, 2228, 2229, 2230
Employ a LAAD Section in a Defense of a Convey		3003R	365		3003R		3003R		3003R	SLDR-2200, 2201, 2202, 2203, 2204, 2205, 2221, 2223, 2228, 2229, 2230	SLDR-2200, 2201, 2202, 2203, 2204, 2205, 2221, 2223, 2228, 2229, 2230
Employ a LAAD Section in a Base Defense Zone	GBAD	3004R	365	GBAD	3004R	GBAD	3004R	GBAD	3004R	SLDR-2200, 2201, 2202, 2203, 2204, 2205, 2221, 2225, 2228, 2229, 2230	SLDR-2200, 2201, 2202, 2203, 2204, 2205, 2221, 2225, 2228, 2229, 2230
Assit in the Planning and Employment of a LAAD Platoon in a Point Defense		3010R	365		3010R		3010R		3010R	GBAD-3000	GBAD-3000
Assit in the Planning and Employment of a LAAD Platoon in a Surveillance Weapons and Gap Filler		3011R	365		3011R		3011R		3011R	GBAD-3001	GBAD-3001
Assit in the Planning and Employment of a LAAD PLatoon in a Defense of a Maneuvering Unit		3012R	365		3012R		3012R		3012R	GBAD-3002	GBAD-3002
Assit in the Planning and Employment of a LAAD Platoon in a Defense of a Convey		3013R	365		3013R		3013R		3013R	GBAD-3003	GBAD-3003

LAAD 7212 ENLISTED											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
CORE SKILL (2000 Phase)											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Assit in the Planning and Employment of a LAAD Platoon in a Base Defense Zone		3014R	365		3014R		3014R		3014R	GBAD-3004	GBAD-3004
Assit in the Planning and Employment of a LAAD Battery in a Point Defense		3020R	365		3020R		3020R		3020R	GBAD-3010	GBAD-3010
Assit in the Planning and Employment of a LAAD Battery in a Surveillance Weapons and Gap Filler		3021R	365		3021R		3021R		3021R	GBAD-3011	GBAD-3011
Assit in the Planning and Employment of a LAAD Battery in a Defense of a Maneuvering Unit		3022R	365		3022R		3022R		3022R	GBAD-3012	GBAD-3012
Assit in the Planning and Employment of a LAAD Battery in a Base Defense Zone		3023R	365		3023R		3023R		3023R	GBAD-3014	GBAD-3014
Employ a section in mounted and dismounted Patrols		3100R	365		3100R		3100R		3100R	AGNR-2000, 2002, 2004, 2005, 2006, 2007, 2008, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, TLDLDR-2100, 2101, 2103, 2104, 2106, 2107, 2108, 2109, 2110, 2114, 2116, 2117, 2122, 2123, 2125, SLDLDR-2200, 2201, 2202, 2209, 2215, 2227, 2228, 2229, 2230, 2235	AGNR-2000, 2002, 2004, 2005, 2006, 2007, 2008, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, TLDLDR-2100, 2101, 2103, 2104, 2106, 2107, 2108, 2109, 2110, 2114, 2116, 2117, 2122, 2123, 2125, SLDLDR-2200, 2201, 2202, 2209, 2215, 2227, 2228, 2229, 2230, 2235
Establish and operate Entry Control Point/Vehicle Check Point	ABGD	3101R	365	ABGD	3101R	ABGD	3101R	ABGD	3101R	AGNR-2000, 2002, 2004, 2005, 2006, 2007, 2008, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, TLDLDR-2100, 2101, 2103, 2104, 2106, 2107, 2108, 2109, 2110, 2114, 2116, 2117, 2122, 2123, 2125, SLDLDR-2200, 2201, 2202, 2209, 2215, 2227, 2228, 2229, 2230, 2235	AGNR-2000, 2002, 2004, 2005, 2006, 2007, 2008, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, TLDLDR-2100, 2101, 2103, 2104, 2106, 2107, 2108, 2109, 2110, 2114, 2116, 2117, 2122, 2123, 2125, SLDLDR-2200, 2201, 2202, 2209, 2215, 2227, 2228, 2229, 2230, 2235
Employ a LAAD Section as a Quick Reaction Force		3102R	365		3102R		3102R		3102R	ABGD-3100	ABGD-3100

LAAD 7212 ENLISTED											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
CORE SKILL (2000 Phase)											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Establish a Base Defense Operations Center		3103R	365		3103R		3103R		3103R	SLDR-2200, 2201, 2202, 2203, 2204, 2205, 2207, 2209, 2210, 2211, 2212, 2215, 2300, 2301, 2302, 2304, 2400, 2401	SLDR-2200, 2201, 2202, 2203, 2204, 2205, 2207, 2209, 2210, 2211, 2212, 2215, 2300, 2301, 2302, 2304, 2400, 2401
Serve as a Watch Officer in a Base Defense Operations Center (BDOC)		3104R	365		3104R		3104R		3104R	SLDR-2200, 2201, 2202, 2203, 2204, 2205, 2207, 2209, 2210, 2211, 2212, 2215, 2300, 2301, 2302, 2304, OPSC-2400, 2401	SLDR-2200, 2201, 2202, 2203, 2204, 2205, 2207, 2209, 2210, 2211, 2212, 2215, 2300, 2301, 2302, 2304, OPSC-2400, 2401
CORE PLUS SKILL (4000 Phase)											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Operate C2 Personnel Computer	C2SYS	4921	*	C2SYS	4921					Marine Net C2PC Course (Course Code C2P001)	-
Operate Blue Force Tracker(BFT) Equipment		4922	*	C2SYS	4922					-	-
Operate Command Post of the Future (CPoF)		4923	*	C2SYS	4923					-	-
Set-up and establish communications utilizing an IRC network		4940	*	C2SYS	4940					-	-

3.17 T&R SYLLABUS MATRIX. The below matrix summarizes the syllabus training requirements by phase, core skills, and events.

LAAD 7204 SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OP TION			#	TIME	#	TIME	#	TIME				
CORE SKILL INTRODUCTION TRAINING (1000 PHASE EVENTS)																			
BGNR	1000	Understand the structure and responsibility of the Low Altitude Air Defense (LAAD) BN.	B	E	L	-	-	-	*	0	0	2	-					BGNR 101	
BGNR	1001	State the Stinger missile system (RMP) characteristics.	B	E	L	-	-	-	*	0	0	2	-					BGNR 103	
BGNR	1002	Identify the components of the Stinger missile.	B	E	L	-	-	-	*	0	0	2	BGNR 1001	FHT	-				
BGNR	1003	Identify shipping containers for the Stinger Missile.	B	E	L	-	-	-	*	0	0	2	BGNR 1002		-				
BGNR	1004	Convert a Stinger missile round to a ready round.	B	E	L	-	-	-	*	0	0	3	BGNR 1003	{2} FHT	-		BGNR 106		
BGNR	1005	Inspect a Stinger missile.	B	E	L	-	-	-	*	0	0	3	BGNR 1004	FHT, Gripstock, BCU	-		BGNR 105		
BGNR	1006	Demonstrate knowledge of the Stinger Engagement Rules.	B	E	L	-	-	-	*	0	0	2	BGNR 1001		-				
BGNR	1007	Demonstrate knowledge of the Stinger Principle of Operations.	B	E	L	-	-	-	*	0	0	3	BGNR 1006		-				
BGNR	1008	Understand hang-fire, misfire, and dud procedures for the Stinger missile.	B	E	L	-	-	-	*	0	0	2	BGNR 1007		-		BGNR 107		
BGNR	1009	Understand LAAD's Weapons/Warning statuses.	B	E	L	-	-	-	*	0	0	2	-		-		BGNR 108		
BGNR	1010	Demonstrate knowledge of the LAAD IFF operating system and subsystems.	B	E	L	-	-	-	*	0	0	5	-	AN/PPX-#A/B, Subsystem Equipment	-		BGNR 102		

LAAD 7204 SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
BGNR	1011	Demonstrate knowledge of the Training & Support equipment organic to LAAD.	B	E	L	-	-	-	*	0	0	4	-	(1) Stinger Night Sight	-	-			
BGNR	1012	Operate the Stinger Night Sight (SNS).	B	E	L	-	-	-	*	0	0	4	-	THT	-	BGNR 104			
BGNR	1013	Engage aircraft with the Stinger missile system.	B	E	L	-	-	-	*	0	0	16	BGNR 1013	-	-	BGNR 142			
BGNR	1014	Engage a live aerial target with a Stinger Tracking Head Trainer (THT) IMTS.	B	E	L	-	-	-	*	0	64	-	BGNR 1007	Improved Moving Target Simulator	-	BGNR 141			
BGNR	1015	Establish a tactical Stinger team position.	B	E	L	-	-	-	*	0	0	12	-	(1) HMMWV, All LAAD Organic Equipment	-	BGNR 140			
BGNR	1016	Demonstrate knowledge of Aircraft Identification Technique.	B	E	L	-	-	-	*	0	0	1	BGNR1016	-	-	-			
BGNR	1017	Visually identify aircraft.	B	E	L	-	-	-	*	0	0	44	-	Audio Visual Equipment	-	BGNR 152			
BGNR	1018	Perform land navigation skills.	B	E	L	-	-	-	*	0	0	17	-	Protractor, Map, Compass	-	BGNR 113			
BGNR	1019	Operate a military Global Positioning System (GPS).	B	E	L	-	-	-	*	0	0	15	-	Protractor, Map, Compass, Military GPS	-	BGNR 117			
BGNR	1020	Identify manual cross-tell early warning information.	B	E	L	-	-	-	*	0	0	2	BGNR 1018	-	-	BGNR 115			
BGNR	1021	Demonstrate knowledge of the characteristics of organic VHF radio assets.	B	E	L	-	-	-	*	0	0	2	-	-	-	-			
BGNR	1022	Operate the organic VHF radio.	B	E	L	-	-	-	*	0	0	10	BGNR 1021	LAAD Organic VHF Radio	-	BGNR 109			
BGNR	1023	Troubleshoot the organic VHF radio.	B	E	L	-	-	-	*	0	0	1	BGNR 1022	LAAD Organic VHF Radio	-	BGNR 110			
BGNR	1024	Understand proper handling of CMS materials.	B	E	L	-	-	-	*	0	0	4	-	CMS Equipment and Material	-	BGNR 111			

LAAD 7204 SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OP TION			#	TIME	#	TIME	#	TIME				
BGNR	1025	Perform basic communication skills utilizing authentication, encryption and decryption.	B	E	L	-	-	-	*	0	0	0	3	BGNR 1022	AKAC 1553	-	BGNR 112		
BGNR	1026	Understand the emergency destruction procedures for the Stinger missile and all ancillary team equipment	B	E	L	-	-	-	*	0	0	1	BGNR 1002, BGNR 1009, BGNR 1011, BGNR 1016, BGNR 1017	IFF Subsystem, GPS, Radios	-	BGNR 118			
BGNR	1027	State the characteristics of the M240MMG.	B	E	L	-	-	-	*	0	0	2	-	M240 MMG and A-Bag	-	-			
BGNR	1028	Perform operator maintenance for a medium machinegun.	B	E	L	-	-	-	*	0	0	2	BGNR 1027	M240 MMG and A-Bag	-	-			
BGNR	1029	Mount a medium machinegun.	B	E	L	-	-	-	*	0	0	2	BGNR 1028	M240 MMG and A-Bag, Machine Gun Mount	-	-			
BGNR	1030	Perform required action on a MMG.	B	E	L	-	-	-	*	0	0	2	BGNR 1029	M240 MMG and A-Bag, Machine Gun Mount	-	-			
BGNR	1031	State the characteristics of the M2.50CAL HMG.	B	E	L	-	-	-	*	0	0	2	-	M2 50 cal HMG and A Box	-	-			
BGNR	1032	Perform operator maintenance on a M2.50 CAL HMG.	B	E	L	-	-	-	*	0	0	2	BGNR 1031	M2 50 cal HMG and A Box	-	-			
BGNR	1033	Mount a heavy machinegun.	B	E	L	-	-	-	*	0	0	2	BGNR 1032	M2 50 cal HMG, Machine Gun Mount	-	-			
BGNR	1034	Perform required action on a HMG.	B	E	L	-	-	-	*	0	0	2	BGNR1033	M2 50 cal HMG, Machine Gun Mount	-	-			
BGNR	1035	Operate a M240 MMG.	B	E	L	-	-	-	*	0	2		BGNR1030	M240 MMG and A-Bag	-	BGNR 128			
BGNR	1036	Operate a M2.50 CAL HMG.	B	E	L	-	-	-	*	0	2		BGNR 1034	M2 50 cal HMG and A Box	-	BGNR 137			
BGNR	1037	Create a range card pertaining to a machine	B	E	L	-	-	-	*	0	0	1	BGNR 1028, BGNR 1034		-	BGNR 149			

LAAD 7204 SYLLABUS MATRIX																				
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV	
	CODE	TITLE			TYPE	#	OP TION			#	TIME	#	TIME	#	TIME					
		gun position.																		
BGNR	1038	Engage targets with the M240 MMG.	B	E	L	-	-	-	*	0	0	0	1	BGNR 1035	M240 MMG and A-Bag	-	BGNR 145			
BGNR	1039	Engage targets with the M2.50 CAL HMG.	B	E	L	-	-	-	*	0	0	0	1	BGNR 1036	M2 50 cal HMG and A Box	-	BGNR 146			
BGNR	1040	Engage a live aerial target with a Live Stinger missile.									0	8	BGNR 1013	Stinger Missile	-	BGNR 143				
BGNR	1041	Obtain a Tactical Vehicle license (Uparmored).	B	E	L	-	-	-	*	0	0	126	-	HMMWV	-	BGNR 154				
TOTAL CORE SKILL INTRODUCTION (1000 PHASE EVENTS)										0	0	3	68	3	9	311				
CORE SKILL TRAINING (2000 PHASE EVENTS)																				
ASSISTANT GUNNER (AGNR)																				
AGNR	2000	Setup and Operate an LAAD Organic VHF Communications	B,R	-	L	-	-	-	365	0	0	1	-	(2) Organic VHF Radios	-	Comm 217				
AGNR	2001	Demonstrate Proper Authentication and Encryption Communication Procedures	B		L	-	-	-	*	0	0	1	-	(2) Organic VHF Radios, (2) AKAC-1553	-	Comm 218				
AGNR	2002	Send and Receive Reports	B		L	-	-	-	*	0	0	2	AGNR 2000, AGNR 2001	(2) Organic VHF Radios	AGNR 2000, AGNR 2001	Comm 219				
AGNR	2003	Aircraft Identification	B, R	E	S,L	-	-	-	90	0	4		-	-	-	VID 260				
AGNR	2004	State Map Information and Perform Map Skills	B		L	-	-	-	*	0	0	1	-	(1) MAP	-	NAV 201				
AGNR	2005	Conduct Day Navigation with a Compass	B, R		L	-	-	D	365	0	0	6	AGNR 2004	(1)MAP, (1) COMPASS	AGNR 2004	NAV203				
AGNR	2006	Conduct Day Navigation with a Military GPS	B, R		L	-	-	D	365	0	0	6	AGNR 2004	(1) MAP, (1) COMPASS, (1) GPS	AGNR 2004	NAV204				
AGNR	2007	Conduct Night Navigation with a Compass and Military GPS	B,R		L	-	-	N	365	0	0	6	AGNR 2004, AGNR 2005, AGNR 2006	(1) MAP, (1) COMPASS, (1) GPS	AGNR 2004, AGNR 2005, AGNR 2006	NAV 205				
AGNR	2008	Conduct Tactical Team Load Out	B, R		L	-	-	D/N	365	0	0	2	-	(1) A-MANPAD	-	CMT 282				

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STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTIO N			#	TIME	#	TIME	#	TIME				
AGNR	2009	Prepare a Range Card	B, R		L	-	-	-	365	0	0	1	-	-	-	-	-	CMT283	
AGNR	2010	Apply Air Defense Control Measures	B		S,L	-	-	-	*	0	1	0	-	-	-	-	-	CTM 265	
AGNR	2011	Operate Stinger Night Sight	B		L	-	-	N	*	0	0	2	-	(1) STINGER NIGHT SIGHT, (1) THT/FHT	-	-	NVD 211		
AGNR	2012	Engage Aircraft in the IMTS	B		S,L	-	-	-	30.0	0	2	0	AGNR 2003, 2010, 2011	(1) IMTS	AGNR 2003, 2010, 2011	GUN 253			
AGNR	2013	Engage Aircraft Employing Infrared Counter Measure in Different Simulated Environments	B		S,L	-	-	-	30.0	0	2	0	AGNR 2003, 2010, 2011, 2012	(1) IMTS	AGNR 2003, 2010, 2011, 2012	GUN254			
AGNR	2014	Fire the Stinger Launch Simulators(STLS)	B, R		L	-	-	-	1095	0	0	1	AGNR-2012	(1) STLS LAUNCHER	AGNR-2012	GUN 255			
AGNR	2015	Conduct immediate action and quick reaction drills w/advance manpad	B, R		L	-	-	D/N	180	0	0	1	AGNR-2003, 2010, 2011, 2012, 2013	(1) A-MANPAD, (1) CREW-SERVED WPN, (1) THT/FHT	AGNR-2003, 2010, 2011, 2012, 2013	MAN 273			
AGNR	2016	Operate Night Vision Devices While Conducting Tactical Vehical Operations	B, R		L	-	-	N	365	0	0	2	-	(1) HMMWV, (1) NIGHT VISION DEVICE	-	-	NVD212		
AGNR	2017	Assemble and Mount the M2 .50 Cal HMG at Night	B, R		L	-	-	N	365	0	0	1	-	(1) A-MANPAD, (1) M2 .50 CAL	-	-	WPN 228		
AGNR	2018	Perform Immediate and remedial Action for the M2 .50 Cal HMG	B, R		L	-	-	N/D	365	0	2	0	AGNR 2017	(1) M2 .50 CAL	AGNR 2017	WPN 231			
AGNR	2019	Engage Targets with M2 .50 Cal HMG	B, R		L	-	-	D/N	365	0	0	3	AGNR 2017, AGNR 2018	(1) M2 .50 CAL	AGNR 2017, AGNR 2018	WPN 232			
AGNR	2020	Mount a Limited Visibility Sight on M2 .50 Cal At Night	B, R		L	-	-	N	365	0	0	1	AGNR 2017	(1) M2 .50 CAL, (1) LIMITED VISIBILITY SIGHT	AGNR 2017	WPN 233			
AGNR	2021	Assemble and Mount the M240 MMG At Night	B, R		L	-	-	N	365	0	0	1	-	(1) A-MANPAD, (1) M240	-	-	WPN 237		
AGNR	2022	Perform Immediate and remedial Action for the M240 MMG At Night	B, R		L	-	-	N	365	0	2	0	AGNR 2021	(1) M240	AGNR 2021	WPN 239			

LAAD 7204 SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REPLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
AGNR	2023	Engage Targets with M240	B, R		L	-	-	D/N	365	0		0		3	AGNR 2021, AGNR 2022	(1) A-MANPAD, (1) M240	AGNR 2021, AGNR 2022	WPN 240	
AGNR	2024	Mount a Limited Visibility Sight on M240 At Night	B,R		L	-	-	N	365	0		0		1	AGNR 2021	(1) M240, (1) LIMITED VISIBILITY SIGHT	AGNR 2021	WPN 241	
AGNR	2025	Advanced Engagements Of Air and Ground Targets W/ 240 MMG and M2 .50 Cal HMG	B,R		L	-	-	D	730	0		0		2	AGNR 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024	(1) M2 .50 CAL, (1) M240	AGNR 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024	WPN 250	
AGNR	2026	MCI Course Single channel Ground Airborne System(SINCGARS)	B		L	-	-		*	0		0		16					
TOTAL CORE SKILL ASSISTANT GUNNER STAGE (AGNR)										0	0	6	13	2	60				
TEAM LEADER (TLDR)																			
TLDR	2100	Set-up, Operate, and Troubleshoot LAAD organic VHF Communications	B, R	-	L	-	-	D	365	0		0		2	AGNR-2000	(2) VHF RADIOS	AGNR-2000	COM-218	
TLDR	2101	Set-up Organic VHF Communications For Secured Transmissions	B, R	E	L	-	-	D	365	0		0		1	TLDR-2100	(1) DTD, (2) VHF RADIOS, (1) GPS	TLDR-2100	COM-307	
TLDR	2102	Demonstrate Proper Authentication and Encryption	B		L	-	-	D	*	0		0		1	AGNR-2001	(2) VHF RADIOS, (2) AKAC-1553	AGNR-2001	COM-217	
TLDR	2103	Send and Receive Reports Organic to a LAAD Battalion	B		L	-	-	D	*	0		0		2	AGNR-2002	(2) VHF RADIOS	AGNR-2002	COM-219	
TLDR	2104	Call For and Adjust Fire	B, R		L	-	-	-	365	0		0		1	AGNR-2000, 2004, TLDR-2101, 2103		AGNR-2000, 2004, TLDR-2101, 2103	COM 394	
TLDR	2105	Construct a VHF Field Expediant Antenna	B, R	E	L	-	-	-	*	0		0		2	AGNR-2000, TLDR-2100, 2101		AGNR-2000, TLDR-2100, 2101	COM 315	
TLDR	2106	Identify Operational Terms and Graphics	B		L	-	-	-	8	0		0		1	AGNR-2004	(1) MAP	AGNR-2004	Nav-202	
TLDR	2107	Conduct Day Navigation with Compass	B, R		L	-	-	D	365	0		0		6	AGNR-2005	(1) COMPASS, (1) MAP	AGNR-2005	Nav-203	

LAAD 7204 SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REPLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OP TION			#	TIME	#	TIME	#	TIME				
TLDR	2108	Conduct Day Navigation with a GPS	B, R		L	-	-	D	365		0		0		6	AGNR-2006	(1) MAP, (1) COMPASS, (1) GPS	AGNR-2006	Nav-204
TLDR	2109	Conduct Night Navigation with a Compass and a GPS	B		L	-	-	N	365		0		0		6	AGNR-2007, TLDR-2107, 2108	(1) MAP, (1) COMPASS, (1) GPS	AGNR-2007, TLDR-2107, 2108	Nav-205
TLDR	2110	Conduct Mounted Navigation with a GPS	B, R	E	L	-	-	N/D	365		0		0		6	TLDR-2108	(1) A-MANPAD, (1) GPS	TLDR-2108	NAV 300
TLDR	2111	Identify Capabilities and Characteristics of the Stinger Night Sight	B		L	-	-	-	*		0		0		1	AGNR-2011	(1) STINGER NIGHT SIGHT	AGNR-2011	NVD-210
TLDR	2112	Advanced Aircraft Identification	B, R	E	L	-	-	-	90		0		0		4	AGNR-2003		AGNR-2003	VID-260
TLDR	2113	Apply Air Defense Control Measures	B		L	-	-	-	365		0		1		0	AGNR-2010		AGNR-2010	CTM-265
TLDR	2114	Define the Use of Rules of Engagement (ROE)	B, R		L	-	-	-	365		0		1		0	AGNR-2010, TLDR-2113		AGNR-2010, TLDR-2113	CTM-266
TLDR	2115	Identify Manual Cross-Tell and Polar Grid Target Information	B		L	-	-	-	365		0		1		0	-		-	CTM-267
TLDR	2116	Prepare a Terrain Model	B		L	-	-	-	*		0		0		1	AGNR-2004, TLDR-2106		AGNR-2004, TLDR-2106	CTM-268
TLDR	2117	Extract Pertinant Information From an Operation Order	B, R		L	-	-	-	365		0		0		2	AGNR-2010, TLDR-2113, 2114		AGNR-2010, TLDR-2113, 2114	CMT-280
TLDR	2118	Identify Basic Convoy Structure for Air Defense Operations	B		L	-	-	-	*		0		1		0	-		-	MAN-272
TLDR	2119	Emplace the A-MANPAD	B, R	-	L	-	-	-	365		0		0		1	AGNR-2002, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2015, TLDR-2100, 2101, 2103, 2105, 2106	(1) A-MANPAD	AGNR-2002, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2015, TLDR-2100, 2101, 2103, 2105, 2106	CMT-281
TLDR	2120	Demonstrate Emergency Destruction of LAAD Equipment	B, R	-	L	-	-	-	365		0		2		0	-		-	CMT-284

LAAD 7204 SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OP TION			#	TIME	#	TIME	#	TIME				
TLDR	2121	Direct Engagement in the IMTS	B, R	-	L	-	-	-	60	0	0	0	0	8	AGNR-2003, 2010, 2012, 2013, TLDR-2112, 2113, 2114, 2115	(1) IMTS	AGNR-2003, 2010, 2012, 2013, TLDR-2112, 2113, 2114, 2115	GUN 323	
TLDR	2122	Execute Fire Commands	B	-	L	-	-	-	*	0	0	0	0	2	AGNR-2025, TLDR-2114		AGNR-2025, TLDR-2114	WPN-224	
TLDR	2123	Engage Air and Ground Targets Using the M2 .50 Cal and M240	B, R	-	L	-	-	-	730	0	0	0	0	2	AGNR-2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025	(1) M2 .50 CAL, (1) M240	AGNR-2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025	WPN-250	
TLDR	2124	Engage an Air Target with a Live Stinger Missile	B, R	-	L	-	-	-	1095	0	0	0	0	1	AGNR-2012, 2013, 2014	(1) STINGER MISSILE	AGNR-2012, 2013, 2014	WPN-256	
TLDR	2125	Supervise Immediate Action and Quick Reaction Drills with the A-MANPADS	B, R	-	L	-	-	-	730	0	0	0	0	1	ANGR-2015, 2025, TLDR-2121, 2122	(1) A-MANPAD, (1) CREW SERVED WEAPON, (1) THT/FHT	ANGR-2015, 2025, TLDR-2121, 2122	MAN-273	
TOTAL TEAM LEADER STAGE (TLDR)										0	0	5	6	2 1	57				
SECTION LEADER (SLDR)																			
SLDR	2200	Properly handle EXMS software	B,R	-	L	-	-	-	365	0	0	0	0	1	TLDR-2101	CMS MATERIAL	TLDR-2101	COM 310	
SLDR	2201	Operate Crypto-Graphic Data Transfer Device	B,R	-	L	-	-	-	365	0	0	0	0	2	TLDR-2101, SLDR-2200	(1) Data Transfer Device	TLDR-2101, SLDR-2200	COM 306	
SLDR	2202	Operate LAAD Organic VHF Antenna	B,R	-	L	-	-	-	365	0	0	0	0	1	TLDR-2100, 2105	(1) ORGANIC VHF ANTENNA, (2) VHF RADIOS	TLDR-2100, 2105	COM 312	
SLDR	2203	Operate LAAD Organic HF Communication	B,R	-	L	-	-	-	365	0	0	0	0	8	SLDR-2200, 2201	(2) LAAD Organic HF Radio, (2) HF ANTENNA, (1) DTD	SLDR-2200, 2201	COM 308	
SLDR	2204	MCI 2515H Antenna Construction and Propagation of Radio Waves	B	-	L	-	-	-	*	0	0	0	0	32					
SLDR	2205	Construct a High Frequency (HF) Field Expedient Antenna	B,R	-	L	-	-	-	365	0	0	0	0	2	TLDR-2105, SLDR-2203, 2204	Any HF Organic Equipment	TLDR-2105, SLDR-2203, 2204	COM 316	

LAAD 7204 SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
SLDR	2206	MCI 25268 Introduction to Electronic Warfare	B	-	L	-	-	-	*	0	0			14	-	-	-		
SLDR	2207	MCI 2540 Communications Plans and Orders	B	-	L	-	-	-	*	0	0			21	-	-	-		
SLDR	2208	Program the IFF Belt Pack	B,R	-	L	-	-	-	365	0	0			3	SLDR 2200, SLDR 2201	(3) AN/PPX-3B Belt Packs, (1) KIR-1C, (1) DTD w/1 FILL Cable, (1) AN/GSX-1	SLDR 2200, SLDR 2201	CMT 343	
SLDR	2209	Plot and construct operational graphics	B	-	L	-	-	-	*	0	0			2	AGNR-2004, TLDR-2106	-	AGNR-2004, TLDR-2106	NAV 303	
SLDR	2210	Demonstrate an understanding of the Marine Aviation Wing	B	-	L	-	-	-	*	0	0			5	-	-	-		
SLDR	2211	List the Units and their Agencies within a Marine Air Control Group (MACG)	B	-	L	-	-	-	*	0	0			2	2210	-	-	BMT 348	
SLDR	2212	Demonstrate an Understanding of the GCE	B	-	L	-	-	-	*	0	0			5	-	-	-		
SLDR	2213	Understanding OPTASLINK	B	-	L	-	-	-	*	0	0			1	-	-	-		
SLDR	2214	Construct a Cartesian Coordinate Reference Point	B,R	-	L	-	-	-	365	0	0			1	AGNR-2004, TLDR-2106, 2115, SLDR-2209, 2213	-	AGNR-2004, TLDR-2106, 2115, SLDR-2209, 2213	CTM 333	
SLDR	2215	Define and Apply Rules of Engagement	B,R	-	L	-	-	-	540	0	0			1	AGNR-2010, TLDR-2114	-	AGNR-2010, TLDR-2114	CTM 335	
SLDR	2216	List and Define the Determining Factors for Establishing Air Defence Priorities	B	-	L	-	-	-	*	0	0			1	-	-	-	BMT 351	
SLDR	2217	List and Define the Air Defense Weapons Employment Guidelines and Principles	B,R	-	L	-	-	-	365	0	0			2	-	-	-	CMT 344	
SLDR	2218	Apply Employment Guidelines and Principles	B	-	L	-	-	-	*	0	0			3	SLDR-2216, 2217	-	SLDR-2216, 2217	BMT 347	

LAAD 7204 SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OP TION			#	TIME	#	TIME	#	TIME				
SLDR	2219	Plan for employment of a LAAD Section In a Direct Support Role	B,R	-	L	-	-	-	365	0	0	2	AGNR-2004, TLDR-2106, 2113, 2114, 2115, 2116, 2117, SLDR-2207, 2208, 2218	-	AGNR-2004, TLDR-2106, 2113, 2114, 2115, 2116, 2117, SLDR-2207, 2208, 2218	BMT 353			
SLDR	2220	Plan for employment of a LAAD Section In a General Support Role	B,R	-	L	-	-	-	365	0	0	2	AGNR-2004, TLDR-2106, 2113, 2114, 2115, 2116, 2117, SLDR-2207, 2208, 2218	-	AGNR-2004, TLDR-2106, 2113, 2114, 2115, 2116, 2117, SLDR-2207, 2208, 2218	BMT 352			
SLDR	2221	Plan for employment of a LAAD section in Point Defense	B	-	L	-	-	-	*	0	0	2	AGNR-2004, TLDR-2106, 2113, 2114, 2115, 2116, 2117, SLDR-2207, 2208, 2218	-	AGNR-2004, TLDR-2106, 2113, 2114, 2115, 2116, 2117, SLDR-2207, 2208, 2218				
SLDR	2222	Plan for employment of a LAAD section in a defense of a maneuver unit	B	-	L	-	-	-	*	0	0	2	AGNR-2004, TLDR-2106, 2113, 2114, 2115, 2116, 2117, SLDR-2207, 2208, 2218	-	AGNR-2004, TLDR-2106, 2113, 2114, 2115, 2116, 2117, SLDR-2207, 2208, 2218				
SLDR	2223	Plan for employment of a LAAD Section In defense of a Convoy	B	-	L	-	-	-	*	0	0	2	AGNR-2004, TLDR-2106, 2110, 2113, 2114, 2115, 2116, 2117, SLDR-2207, 2208, 2218	-	AGNR-2004, TLDR-2106, 2110, 2113, 2114, 2115, 2116, 2117, SLDR-2207, 2208, 2218	BMT 413			
SLDR	2224	Plan for employment of a LAAD section in surveillance and weapon gap filler	B	-	L	-	-	-	*	0	0	2	AGNR-2004, TLDR-2106, 2113, 2114, 2115, 2116, 2117, SLDR-2207, 2208, 2218	-	AGNR-2004, TLDR-2106, 2113, 2114, 2115, 2116, 2117, SLDR-2207, 2208, 2218				
SLDR	2225	Plan for employment of a LAAD section in a Base Defense Zone (BDZ)	B	-	L	-	-	-	*	0	0		AGNR-2004, TLDR-2106, 2112, 2113, 2114, 2115, 2116, 2117, SLDR-2207, 2208, 2218	-	AGNR-2004, TLDR-2106, 2112, 2113, 2114, 2115, 2116, 2117, SLDR-2207, 2208, 2218				

LAAD 7204 SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OP TION			#	TIME	#	TIME	#	TIME				
SLDR	2226	Plan for employment of a LAAD unit in Defense of an Amphibious Ready Group	B	-	L	-	-	N/D	*	0	0	2	AGNR-2004, TLDR-2106, 2112, 2113, 2114, 2115, 2116, 2117, SLDR-2207, 2208, 2218	-	AGNR-2004, TLDR-2106, 2112, 2113, 2114, 2115, 2116, 2117, SLDR-2207, 2208, 2218	BMT 406			
SLDR	2227	Receive and Extract Pertinent Information from an Operations Order	B,R	-	L	-	-	-	365	0	0	4	AGNR-2004, TLDR-2106, 2113, 2114, 2115, 2116, 2117, SLDR-2207, 2208, 2218	-	AGNR-2004, TLDR-2106, 2113, 2114, 2115, 2116, 2117, SLDR-2207, 2208, 2218	BMT 350			
SLDR	2228	Conduct LAAD Employment Planning	B,R	-	L	-	-	-	365	0	0	4	AGNR-2004, TLDR-2106, 2113, 2114, 2115, 2116, 2117, SLDR-2207, 2208, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227	-	AGNR-2004, TLDR-2106, 2113, 2114, 2115, 2116, 2117, SLDR-2207, 2208, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227	BMT 407			
SLDR	2229	Issue a section five paragraph Operation Order	B,R	-	L	-	-	-	365	0	0	2	AGNR-2004, TLDR-2106, 2113, 2114, 2115, 2116, 2117, SLDR-2207, 2208, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227	-	AGNR-2004, TLDR-2106, 2113, 2114, 2115, 2116, 2117, SLDR-2207, 2208, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227	CMT 340			
SLDR	2230	Establish a Section Leader Position	B,R	-	L	-	-	D/N	365	0	0	3	TLDR-2100, 2101, 2102, 2103, 2119, SLDR-2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2209, 2213, 2214	-	TLDR-2100, 2101, 2102, 2103, 2119, SLDR-2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2209, 2213, 2214	CMT 345			
SLDR	2231	Construct and Administer Advanced Aircraft Identification Test	B,R	-	L	-	-	-	90	0	0	9	AGNR-2003, TLDR 2112	-	AGNR-2003, TLDR 2112	VID 327			
SLDR	2232	Conduct a Detailed Aircraft Threat	B,R	-	L	-	-	-	365	0	0	4	TLDR-2112, SLDR-2231	-	TLDR-2112, SLDR-2231	BMT 349			

LAAD 7204 SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OP TION			#	TIME	#	TIME	#	TIME				
		Assesment																	
SLDR	2233	Brief Aircraft Capabilites and Limitations	B,R	-	L	-	-	-	90	0	0	2		TLDR-2112 ,SLDR-2231, 2232	-	TLDR-2112 ,SLDR-2231, 2232	VID 329		
SLDR	2234	Recharge the THT	B	-	L	-	-	-	*	0	0	2		-	(1) GCU/GPU, (1) THT	-	BMT 400		
SLDR	2235	Control Machine Gun Fires	B	-	L	-	-	-	*	0	0	1		AGNR-2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, TLDR-2122, 2123	-	AGNR-2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, TLDR-2122, 2123	GUN 325		
TOTAL SECTION LEADER SKILLS STAGE (SLDR)										0	0	0	0	3	6	152			
PLATOON SERGEANT (PSGT)																			
PSGT	2300	Handle CMS Keying Material/Communications Aids	B,R	-	L	-	-	-	365	0	0	1		SLDR 2200, 2201	CMS MATERIAL	SLDR 2200, 2201	COM-310		
PSGT	2301	Supervise Crypto Graphic Data Transfer Device	B,R	-	L	-	-	-	365	0	0	3		SLDR-2200, 2201, PSGT-2300	(2) DATA TRANSFER DEVICE	SLDR-2200, 2201, PSGT-2300	Com-306		
PSGT	2302	Supervise the Communications of the LAAD Organic HF Communications Equipment in a Section Leader/ Platoon Commander Position	B,R	-	L	-	-	-	365	0	0	6		SLDR-2202, 2203, 2205, 2206, 2207	HF COMMUNICATIONS	SLDR-2202, 2203, 2205, 2206, 2207	COM-313		
PSGT	2303	Set-up and Operate The MRC-148	B,R	-	L	-	-	-	365	0	0	3		TLDR-2119, SLDR-2204, 2206	(1) MRC-148	TLDR-2119, SLDR-2204, 2206	COM 319		
PSGT	2304	Supervise Establishment of Communications In the Command Post	B	-	L	-	-	-	*	0	0	2		TLDR-2100, 2101, 2102, 2103, 2105, 2106, SLDR-2200, 2201, 2203, 2204, 2205	-	TLDR-2100, 2101, 2102, 2103, 2105, 2106, SLDR-2200, 2201, 2203, 2204, 2205	BMT-361		
PSGT	2305	Develop and Implement Unit Training Plan	B	-	L	-	-	-	*	0	0	4		-	-	-	-		

LAAD 7204 SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
PSGT	2306	Demonstrate an understanding of the Air Tasking Order	B	-	L	-	-	-	*	0	0			1	-	-	-	-	
PSGT	2307	Demonstrate an understanding of the Airspace Control Plan	B	-	L	-	-	-	*	0	0			1	-	-	-	-	
PSGT	2308	Demonstrate an understanding of the Airspace Control Order	B	-	L	-	-	-	*	0	0			1	-	-	-	-	
PSGT	2309	Extract the Pertinent Information from the ACO	B	-	L	-	-	-	*	0	0			10	-	-	-	-	
TOTAL PLATOON SERGEANT SKILLS STAGE (PSGT)										0	0	0	0	10					
OPERATIONS CHIEF (OPSC)																			
OPSC	2400	Establish a Command Post	B,R	-	L	-	-	-	540	0	0			24	AGNR-2000, 2002, 2004, TLDR-2100, 2101, 2103, 2106, SLDR-2202, 2203, 2205, 2209, 2214, PSGT-2300, 2301, 2302, 2303, 2304	-	AGNR-2000, 2002, 2004, TLDR-2100, 2101, 2103, 2106, SLDR-2202, 2203, 2205, 2209, 2214, PSGT-2300, 2301, 2302, 2303, 2304	BMT 386	
OPSC	2401	Perform Watch Chief Duties in the Combat Operations Center	B,R	-	L	-	-	-	540	0	0			24	TLDR-2104, 2113, 2114, 2115, 2125, SLDR-2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, PSGT-2306, 2307, 2308, 2309, OPSC-2400	-	TLDR-2104, 2113, 2114, 2115, 2125, SLDR-2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, PSGT-2306, 2307, 2308, 2309, OPSC-2400	BMT 388	
OPSC	2402	Demonstrate an understanding of TBMCs	B	-	L	-	-	-	*	0	0			1	PSGT-2306, 2307, 2308	-	PSGT-2306, 2307, 2308		
TOTAL OPERATIONS CHIEF SKILLS STAGE (OPSC)										0	0	0	0	3					

LAAD 7204 SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OP TION			#	TIME	#	TIME	#	TIME				
TOTAL CORE SKILL PHASE (2000 PHASE)									0	0	1	19	9	348					
MISSION SKILL TRAINING (3000 PHASE EVENTS)																			
GROUND BASED AIR DEFENSE (GBAD)																			
GBAD	3000	Employ a LAAD Section in a Point Defense	B,R	E	L	-	-	-	365	0	0	12	SLDR-2200, 2201, 2202, 2203, 2204, 2205, 2221, 2227, 2228, 2229, 2230	IAW with Unit SOP	SLDR-2200, 2201, 2202, 2203, 2204, 2205, 2221, 2227, 2228, 2229, 2230				
GBAD	3001	Employ a LAAD Section in a Surveillance Weapons and Gap Filler	B,R	E	L	-	-	-	365	0	0	12	SLDR-2200, 2201, 2202, 2203, 2204, 2205, 2221, 2224, 2228, 2229, 2230	IAW with Unit SOP	SLDR-2200, 2201, 2202, 2203, 2204, 2205, 2221, 2224, 2228, 2229, 2230				
GBAD	3002	Employ a LAAD Section in a Defense of a Maneuvering Unit	B,R	E	L	-	-	-	365	0	0	12	SLDR-2200, 2201, 2202, 2203, 2204, 2205, 2221, 2222, 2228, 2229, 2230	IAW with Unit SOP	SLDR-2200, 2201, 2202, 2203, 2204, 2205, 2221, 2222, 2228, 2229, 2230				
GBAD	3003	Employ a LAAD Section in a Defense of a Convey	B,R	E	L	-	-	-	365	0	0	12	SLDR-2200, 2201, 2202, 2203, 2204, 2205, 2221, 2223, 2228, 2229, 2230	IAW with Unit SOP	SLDR-2200, 2201, 2202, 2203, 2204, 2205, 2221, 2223, 2228, 2229, 2230				
GBAD	3004	Employ a LAAD Section in a Base Defense Zone	B,R	E	L	-	-	-	365	0	0	8	SLDR-2200, 2201, 2202, 2203, 2204, 2205, 2221, 2225, 2228, 2229, 2230	IAW with Unit SOP	SLDR-2200, 2201, 2202, 2203, 2204, 2205, 2221, 2225, 2228, 2229, 2230				
GBAD	3010	Assit in the Planning and Employment of a LAAD Platoon in a Point Defense	B,R	E	L	-	-	-	365	0	0	12	GBAD-3000	IAW with Unit SOP	GBAD-3000				
GBAD	3011	Assit in the Planning and Employment of a LAAD Platoon in a Surveillance Weapons and Gap Filler	B,R	E	L	-	-	-	365	0	0	12	GBAD-3001	IAW with Unit SOP	GBAD-3001				
GBAD	3012	Assit in the Planning and Employment of a LAAD Platoon in a Defense of a Maneuvering Unit	B,R	E	L	-	-	-	365	0	0	12	GBAD-3002	IAW with Unit SOP	GBAD-3002				

LAAD 7204 SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OP TION			#	TIME	#	TIME	#	TIME				
GBAD	3013	Assit in the Planning and Employment of a LAAD Platoon in a Defense of a Convey	B,R	E	L	-	-	-	365	0	0	0	0	12	GBAD-3003	IAW with Unit SOP	GBAD-3003		
GBAD	3014	Assit in the Planning and Employment of a LAAD Platoon in a Base Defense Zone	B,R	E	L	-	-	-	365	0	0	0	8	GBAD-3004	IAW with Unit SOP	GBAD-3004			
GBAD	3020	Assit in the Planning and Employment of a LAAD Battery in a Point Defense	B,R	E	L	-	-	-	365	0	0	0	12	GBAD-3010	IAW with Unit SOP	GBAD-3010			
GBAD	3021	Assit in the Planning and Employment of a LAAD Battery in a Surveillance Weapons and Gap Filler	B,R	E	L	-	-	-	365	0	0	0	12	GBAD-3011	IAW with Unit SOP	GBAD-3011			
GBAD	3022	Assit in the Planning and Employment of a LAAD Battery in a Defense of a Maneuvering Unit	B,R	E	L	-	-	-	365	0	0	0	12	GBAD-3012	IAW with Unit SOP	GBAD-3012			
GBAD	3023	Assit in the Planning and Employment of a LAAD Battery in a Base Defense Zone	B,R	E	L	-	-	-	365	0	0	0	12	GBAD-3014	IAW with Unit SOP	GBAD-3014			
TOTAL GROUND BASED AIR DEFENSE SKILLS STAGE (GBAD)										0	0	0	0	14	160				
AIR BASE GROUND DEFENSE (ABGD)																			

LAAD 7204 SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OP TION			#	TIME	#	TIME	#	TIME				
ABGD	3100	Employ a section in mounted and' dismounted Patrols	B,R	E	L	-	-	-	365	0	0	0	0	12	AGNR-2000, 2002, 2004, 2005, 2006, 2007, 2008, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, TLDL-2100, 2101, 2103, 2104, 2106, 2107, 2108, 2109, 2110, 2114, 2116, 2117, 2122, 2123, 2125, SLDR-2200, 2201, 2202, 2209, 2215, 2227, 2228, 2229, 2230, 2235	(1) LAAD PLATOON WITH COMPLETE TACTICAL LOAD OUT	AGNR-2000, 2002, 2004, 2005, 2006, 2007, 2008, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, TLDL-2100, 2101, 2103, 2104, 2106, 2107, 2108, 2109, 2110, 2114, 2116, 2117, 2122, 2123, 2125, SLDR-2200, 2201, 2202, 2209, 2215, 2227, 2228, 2229, 2230, 2235		
ABGD	3101	Establish and operate Entry Control Point/Vehicle Check Point	B,R	E	L	-	-	-	365	0	0	0	0	12	AGNR-2000, 2002, 2004, 2005, 2006, 2007, 2008, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, TLDL-2100, 2101, 2103, 2104, 2106, 2107, 2108, 2109, 2110, 2114, 2116, 2117, 2122, 2123, 2125, SLDR-2200, 2201, 2202, 2209, 2215, 2227, 2228, 2229, 2230, 2235	(1) LAAD PLATOON WITH COMPLETE TACTICAL LOAD OUT	AGNR-2000, 2002, 2004, 2005, 2006, 2007, 2008, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, TLDL-2100, 2101, 2103, 2104, 2106, 2107, 2108, 2109, 2110, 2114, 2116, 2117, 2122, 2123, 2125, SLDR-2200, 2201, 2202, 2209, 2215, 2227, 2228, 2229, 2230, 2235		
ABGD	3102	Employ a LAAD Section as a Quick Reaction Force	B,R	E	L	-	-	-	365	0	0	0	0	12	ABGD-3100	(1) LAAD PLATOON WITH COMPLETE	ABGD-3100		

LAAD 7204 SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
																	TACTICAL LOAD OUT		
ABGD	3103	Establish a Base Defense Operations Center	B,R	E	L	-	-	-	365	0	0	0	0	12	SLDR-2200, 2201, 2202, 2203, 2204, 2205, 2207, 2209, 2210, 2211, 2212, 2215, 2300, 2301, 2302, 2304, 2400, 2401	(1) CP TENT, (1)CPOF COMPUTER, HF AND VHF RADIOS,(1) BFT	SLDR-2200, 2201, 2202, 2203, 2204, 2205, 2207, 2209, 2210, 2211, 2212, 2215, 2300, 2301, 2302, 2304, 2400, 2401		
ABGD	3104	Serve as a Watch Officer in a Base Defense Operations Center (BDOC)	B,R	E	L	-	-	-	365	0	0	0	0	12	SLDR-2200, 2201, 2202, 2203, 2204, 2205, 2207, 2209, 2210, 2211, 2212, 2215, 2300, 2301, 2302, 2304, OPSC-2400, 2401	(1) LAAD COMMAND POST	SLDR-2200, 2201, 2202, 2203, 2204, 2205, 2207, 2209, 2210, 2211, 2212, 2215, 2300, 2301, 2302, 2304, OPSC-2400, 2401		
TOTAL AIR BASE GROUND DEFENSE SKILLS STAGE (ABGD)										0	0	0	0	5	60				
TOTAL MISSION SKILL PHASE (3000 PHASE)										0	0	0	0	19	220				
MISSION PLUS SKILL TRAINING (4000 PHASE EVENTS)																			
CORE PLUS SKILLS (GBAD) (ABGD)																			
GBAD	4000	Employ a LAAD Section in a Defense of a Amphibious Ready Group	B	-	-	-	-	-	*	4	0	0	0	CERT-6003	IAW with Unit SOP	-	BMT406		
TOTAL AIRBORNE COMMAND AND CONTROL SKILLS STAGE (ABNC2)										1	4	0	0	1	0				
CORE PLUS SKILLS (GBAD) (ABGD)																			
C2SYS	4921	Operate C2 Personal Computer	B	-	-	-	-	-	*	4	0	0	0	-	Marine Net C2PC Course (Course Code C2P001)	-	-		
C2SYS	4922	Operate Blue Force Tracker(BFT) Equipment	B	-	-	-	-	-	*	4	0	0	0	-	-	-	-		
C2SYS	4923	Operate Command Post of the Future (CPoF)	B	-	-	-	-	-	*	4	0	0	0	-	-	-	-		

LAAD 7204 SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OP TION			#	TIME	#	TIME	#	TIME				
C2SYS	4940	Set-up and establish communications utilizing an IRC network	B	-	-	-	-	-	*	1	0	0	0						
TOTAL AIRBORNE COMMAND AND CONTROL SKILLS STAGE (ABNC2)										4	13	0	0	4	0				
TOTAL MISSION PLUS SKILL PHASE (4000 PHASE)										5	17	0	0	5	0				
TOTAL 2000, 3000, AND 4000 PHASE										5	17	1	19	1	568				
INSTRUCTOR TRAINING (5000 PHASE EVENTS)																			
INSTRUCTOR UNDER TRAINING (IUT)																			
BASIC INSTRUCTOR (BI)																			
IUT	5000	Introduce principles of instruction	B	-	G	-	-	D	*	0	0	0	2	Recommended by SI or WTI	-	-	-	-	
IUT	5010	Understand the structure of an event	B	-	G	-	-	D	*	0	0	0	1	Recommended by SI or WTI	-	-	-	-	
IUT	5020	Conduct a period of instruction on a T&R event	B	-	G	-	-	D	*	0	0	0	2	Recommended by SI or WTI	-	-	-	-	
TOTAL BASIC INSTRUCTOR SKILLS STAGE (BI)										0	0	0	0	3	5				
SENIOR INSTRUCTOR (SI)																			
IUT	5100	Understand Aviation T&R program	B	-	G	-	-	D	*	0	0	0	2	5000, 5010, 5020, 6320	-	-	-	-	
IUT	5110	Understand Applicable Community T&R	B	-	G	-	-	D	*	0	0	0	2	5000, 5010, 5020, 6320	-	-	-	-	
IUT	5120	Understand T&R Administration	B	-	G	-	-	D	*	0	0	0	2	5000, 5010, 5020, 6320	-	-	-	-	
IUT	5130	Develop a training plan	B,R	-	G	-	-	D	365	0	0	0	2	5000, 5010, 5020, 6320	-	-	-	-	
TOTAL SENIOR INSTRUCTOR SKILLS STAGE (SI)										0	0	0	0	4	8				
TOTAL INSTRUCTOR UNDER TRAINING SKILLS PHASE (IUT)										0	0	0	0	7	13				
REQUIREMENTS, QUALIFICATIONS, CERTIFICATIONS, AND DESIGNATIONS (RQCD) (6000 PHASE)																			
CERTIFICATIONS (CERT)																			

LAAD 7204 SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
CERT	6001	CERTIFY AS ASSISTANT GUNNER	B	E	-	-	-	-	*	0	0	0	0	0	2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026	-	-		
CERT	6002	CERTIFY AS A TEAM LEADER	B	E	-	-	-	-	*	0	0	0	0	0	CERT-6001, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, ACPM 8006	-	-	CERT600	
CERT	6003	CERTIFY AS A SECTION LEADER	B	E	-	-	-	-	*	0	0	0	0	0	CERT-6002, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, ACPM 8000, 8001, 8002, 8003, 8004, 8005, 8007, 8008, 8022, 8027, 8042, 8043, 8044, 8045, 8065	-	-	CERT601	

LAAD 7204 SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OP TION			#	TIME	#	TIME	#	TIME				
CERT	6004	CERTIFY AS A PLATOON SERGEANT	B	E	-	-	-	-	*	0	0	0	0	0	CERT-6003, 2300,2301,2302,2303,2304,2305,2306,2307,2308, 2309, ACPM 8020, 8021, 8023, 8024, 8025, 8026, 8028, 8062	-	-	CERT602	
CERT	6005	CERTIFY AS A OPERATIONS CHIEF	B	E	-	-	-	-	*	0	0	0	0	0	CERT-6004, 2400, 2401, 2402, ACPM 8040, 8041, 8060, 8061, 8063, 8064, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088	-	-	CERT603	
TOTAL CERTIFICATIONS STAGE (CERT)										0	0	0	0	5	0				
QUALIFICATIONS (QUAL)																			
QUAL	6200	Qualify as Section Leader in GBAD	B,R	E	-	-	-	-	365	0	0	0	0	0	CERT-6003, GBAD-3000, GBAD-3001, GBAD-3002, GBAD-3003, GBAD-3004	-	-	-	
QUAL	6201	Qualify as Platoon Sergeant in GBAD	B,R	E	-	-	-	-	365	0	0	0	0	0	CERT-6004, GBAD-3010, GBAD-3011, GBAD-3012, GBAD-3013, GBAD-3014	-	-	-	
QUAL	6202	Qualify as Battery/ Bn Operations Chief in GBAD	B,R	E	-	-	-	-	365	0	0	0	0	0	CERT-6005, GBAD-3020, GBAD-3021, GBAD-3022, GBAD-3023	-	-	-	
QUAL	6210	Qualify as Section Leader in ABGD	B,R	E	-	-	-	-	365	0	0	0	0	0	ABGD-3100, ABGD-3101, ABGD-3102	-	-	-	
QUAL	6211	Qualify as Battery/ Bn Operations Chief in ABGD	B,R	E	-	-	-	-	365	0	0	0	0	0	ABGD-3103, ABGD-3104	-	-	-	
TOTAL QUALIFICATIONS STAGE (QUAL)										0	0	0	0	5	0				
DESIGNATIONS (DESG)																			
DESG	6100	DESIGNATION AS ASSISTANT GUNNER	B	-	-	-	-	L	*	0	0	0	0	0	-	-	-	-	
DESG	6101	DESIGNATION ASA	B	-	-	-	-	L	*	0	0	0	0	0	CERT-6001	-	-	-	

LAAD 7204 SYLLABUS MATRIX

STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
		TEAM LEADER																	
DESG	6102	DESIGNATION AS A SECTION LEADER	B	-	-	-	-	L	*	0	0	0	0	0	CERT-6002	-	-	DESG610	
DESG	6103	DESIGNATION AS A PLATOON SERGEANT	B	-	-	-	-	L	*	0	0	0	0	CERT-6003	-	-	DESG611		
DESG	6104	DESIGNATION AS A OPERATIONS CHIEF	B	-	-	-	-	L	*	0	0	0	0	CERT-6004	-	-	DESG612		
DESG	6319	DESIGNATION AS A LAAD ENHANCEMENT INSTRUCTOR	B	-	-	-	-	L	*	0	0	0	0	SCHL-6005	-	-	DESG672		
DESG	6320	DESIGNATION AS A BASIC INSTRUCTOR	B	-	-	-	-	L	*	0	0	0	0	CERT-6003, IUT-5000, IUT-5010, IUT-5020	-	-	-		
DESG	6321	DESIGNATION AS A SENIOR INSTRUCTOR	B	-	-	-	-	L	*	0	0	0	0	CERT-6004, IUT-5100, IUT-5110, IUT-5120, IUT-5130, SCHL-6005	-	-	-		
DESG	6322	DESIGNATION AS A WEAPONS TACTICAL INSTRUCTOR	B	-	-	-	-	L	*	0	0	0	0	SCHL-6000	-	-	DESG677		
TOTAL DESIGNATIONS STAGE (DESG)										0	0	0	0	9	0				
TOTAL REQUIREMENTS, QUALIFICATIONS, CERTIFICATIONS, AND DESIGNATIONS PHASE (RQCD)										0	0	0	0	1	0				

3.18 SYLLABUS EVALUATION FORM. Evaluations forms will be maintained by the battalion WTPP and is available online at the following website:

<https://www.intranet.tecom.usmc.mil/sites/mawts1/departments1/newc3/gbad/default.aspx>

3.19 TRAINING DEVICE MISSION ESSENTIAL SUBSYSTEMS MATRIX (EESM)

3.19.1 Events designated by an "S" in the event header shall be conducted in a training device equipped to meet the objectives listed in the event description; each event requires specific simulator capabilities. A simulator is categorized as Full Mission Capable (FMC), Partial Mission Capable (PMC), or Non-Mission Capable (NMC) based on the status of mission essential simulator subsystems. The following definitions apply:

3.19.1.1 FMC. All simulator subsystems required to meet training objectives for an event to be conducted are installed and operating properly. A FMC subsystem can be used to conduct any and all S-coded events in this syllabus.

3.19.1.2 PMC. The simulator subsystem is not operating properly. Although considered highly desirable, the device is not essential to meet training objectives of an event. While the event can still be completed, the quality of training is degraded. A PMC subsystem can be used to train any and all S-coded events in this syllabus.

3.19.1.3 NMC. The simulator subsystem lacks the capability to complete training objectives due to a critical subsystem or capability being inoperative or not installed. A NMC subsystem cannot be used to conduct any event.

3.19.2 The LAAD community uses the Improved Moving Target Simulator (IMTS) to conduct simulation training. The IMTS is a Low Altitude Air Defense (LAAD) weapons training system that provides computer generated aircraft and computer generated background images in a 360-degree dome. Real-time weapon interface and student action monitoring are provided during scenario execution. This system provides the Stinger gunner the opportunity to maintain proficiency for successful operation of the Stinger Man Portable Air Defense System (MANPADS) by using proper techniques and skills to identify, acquire, track and launch Stinger missiles.

3.19.3 IMTS Failed Subsystem descriptions:

3.19.3.1 Network Server Interface - This subsystem is the heart of the IMTS. When it fails, the entire simulator becomes NMC and cannot support any event training.

3.19.3.2 Visual Subsystem - This subsystem has redundant capability based on its ability to provide 360 degree situational awareness. Tactics, Techniques and Procedures (TTPs) require a 90 degree sector of interest to increase gunner effectiveness. The subsystem consists of two parts - image generator and image projector - that operate independent of each other.

3.19.3.2.1 Image Generator - Consists of 16 identical image generators that generate both aircraft and environmental displays. NMC occurs when 13 or more of the total 16 image generators fail. PMC occurs

when 12 or less image generators fail and the 90 degree sector capability remains.

3.19.3.2.2 Image Projector - Consists of 16 identical image projectors that project the image created in the image generator. NMC occurs when 13 or more of the total 16 image projectors fail. PMC occurs when 12 or less image projectors fail and the 90% sector capability remains.

3.19.3.3 Instrumented Weapon Round - The IMTS can support up to three instrumented missiles at one time. Routinely, scenario training requires one MANPAD team (two Marines).

3.19.3.3.1 Instrumented Missile - IMTS can support up to three instrumented missiles. NMC occurs when 3 of the 3 instrumented missiles fail. PMC occurs when 2 of 3 instrumented missiles fail.

3.19.3.3.2 Instrumented Grip-stock - IMTS can support up to three instrumented grip-stocks. NMC occurs when 3 of the 3 grip-stocks fail. PMC occurs when 2 of 3 grip-stocks fail.

LAAD SIMULATOR MISSION ESSENTIAL SUBSYSTEM MATRIX (MESM)		
FAILED SUB SYSTEM	NMC for:	PMC for:
NETWORK SERVER INTERFACE	All Events	None
AUDIO SUBSYSTEM	No Event	No Event
IMAGE GENERATOR	All Events	All events
IMAGE PROJECTOR	All Events	All Events
INSTRUMENTED MISSILE	All Event	All Events
INSTRUMENTED GRIP-STOCK	All Event	All Events

3.20 EXPENDABLE ORDNANCE REQUIREMENTS

3.20.1 A LAAD Officer is trained in phases 100, 200, and 300 of the LAAD Gunner Basic POI. Ordnance requirement for each to complete the Basic POI is provided below.

BASIC POI			
TOTAL EXPENDABLE ORDNANCE REQUIREMENTS PER INDIVIDUAL			
ORDNANCE	1000 PHASE TOTALS RDS	2000 PHASE TOTALS RDS	3000 PHASE TOTALS RDS
(1) Belt of 100 Dummy .50 cal, A560	200	200	0
Live A-576 .50 cal linked	400	435	0
A-159 Dummy 7.62mm linked	100	200	0
Live A-131 7.62 linked	435	435	0
Stinger Missile PL-89, PL-90, or PL-93	1	1	0
VX-99 - Stinger Missile Launch Simulator (STLS)	0	1	0
M67 Fragmentation Hand Grenade	0	1	0

3.20.2 A LAAD Gunner undergoing refresher training is to complete R-coded events for the 200 and 300 phases of training. Ordnance requirement for a LAAD Gunner to complete the Refresher POI is provided below.

REFRESHER POI TOTAL EXPENDABLE ORDNANCE REQUIREMENTS PER INDIVIDUAL			
ORDNANCE	1000 PHASE TOTALS RDS	2000 PHASE TOTALS RDS	3000 PHASE TOTAL RDS
(1) Belt of 100 Dummy .50 cal, A560	NA	200 Per Btry	0
Live A-576 .50 cal linked	NA	435	0
A-159 Dummy 7.62mm linked	NA	200	0
Live A-131 7.62 linked	NA	435	0
Stinger Missile PL-89, PL-90, or PL-93	NA	1	0
VX-99 - Stinger Missile Launch Simulator (STLS)	NA	1	0
M67 Fragmentation Hand Grenade	NA	0	0

3.21 RANGE REQUIREMENTS

Weapon	Range Requirements
Medium Machine Gun	Capable of supporting mounted and dismounted firing of 7.62mm and .50 cal at 1/5 scale aerial targets flying with varying profiles, and stationary ground targets that are setup at various ranges.
Heavy Machine Gun	Capable of supporting mounted and dismounted firing of an M2 .50 cal HMG at 1/5 scale aerial targets flying with varying profiles, and stationary ground targets that are setup at various ranges.
M67 Fragmentation Grenade	A live fire grenade range that supports use of fragmentation grenades.
Stinger Missile	Appropriate aerial targets, RCMAT, and/or Remotely Piloted Target Systems (RPVTS) and firing range capable of supporting SHORAD missile systems.