



DEPARTMENT OF THE NAVY  
HEADQUARTERS UNITED STATES MARINE CORPS  
3000 MARINE CORPS PENTAGON  
WASHINGTON, D.C. 20350-3000

NAVMC 3500.2A  
C 469  
JUL 21 2010

NAVMC 3500.2A W/CH 1 & 2

From: Commandant of the Marine Corps  
To: Distribution List

Subj: ASSAULT AMPHIBIOUS VEHICLE TRAINING AND READINESS MANUAL, (SHORT  
TITLE: AAV T&R MANUAL)

Ref: (a) MCO P3500.2A  
(b) MCO 1553.3A  
(c) MCO 3400.3F  
(d) MCO 3500.27B W/ERRATUM  
(e) MCRP 3-0A  
(f) MCRP 3-0B  
(g) MCO 1553.2A

1. Purpose. Per reference (a), this T&R Manual establishes required events for standardization training of Marines whose primary mission is to carry out Amphibious operations. Additionally, it provides tasking for formal schools and commanders responsible for training personnel for service on an AAV. This NAVMC supersedes NAVMC 3500.2 dtd 17 Nov 06.

2. Scope

a. The Mission Essential Tasks (METs) in this manual are used by formal schools and commanders to assess individual readiness and to gain and sustain proficiency in the training events in this manual.

b. Per reference (b), commanders shall conduct an internal assessment of the unit's ability to execute each MET and develop long-, mid-, and short-range training plans to gain and sustain proficiency in each MET. Training plans will incorporate these events to standardize training and provide objective assessment of progress toward attaining combat readiness. Commanders will keep records at the unit and individual levels to record training achievements, identify training gaps, and document objective assessments of readiness associated with training Marines. Commanders will use reference (c) to incorporate nuclear, biological, and chemical defense training into training plans, and reference (d) to integrate operational risk management. References (e) and (f) provide amplifying information for effective planning and management of training within the unit.

c. Formal school commanders will use reference (a) and (g) to ensure programs of instruction meet skill training requirements established in this manual, and provide career-progression training in the events designated for initial training in the formal school environment.

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

JUL 21 2010

3. Information. CG, TECOM will update this T&R Manual as necessary to provide current and relevant training standards to commanders and formal schools. All questions pertaining to the Marine Corps Ground T&R Program and Unit Training Management should be directed to: Commanding General, TECOM (Ground Training Branch C 469), 1019 Elliot Road, Quantico, VA 22134.
4. Command. This Publication is applicable to the Marine Corps Total Force.
5. Certification. Reviewed and approved this date.

  
M. G. SPIESE  
By direction

Distribution: PCN 10033193800

Copy to: 7000260 (2)  
8145001 (1)



DEPARTMENT OF THE NAVY  
HEADQUARTERS UNITED STATES MARINE CORPS  
3900 MARINE CORPS PENTAGON  
WASHINGTON D.C. 20350-3900

NAVMC 3500.2A Ch 1  
C 469

20 JUL 2011

NAVMC 3500.2A Ch 1

From: Commandant of the Marine Corps  
To: Distribution List

Subj: ASSAULT AMPHIBIOUS VEHICLE (AAV) TRAINING AND READINESS (T&R) MANUAL

Encl: (1) Chapter 5, Section and Crew Collective Events  
(2) Chapter 6, 1803 Individual Events  
(3) Chapter 7, 1833 Individual Events

1. Purpose. To transmit chapter inserts to the basic Manual.
2. Action. Remove existing chapters 5-7 and replace with the corresponding pages contained in the enclosures.
3. Information. These changes out of the normal T&R review cycle are due to submerged vehicle egress requirements.
4. Filing Instructions. This change transmittal will be filed immediately following the signature of the basic Manual.

  
R. C. FOX  
By direction

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

Distribution: PCN 10033193801

Copy to: 7000260 (2)  
8145001 (1)



DEPARTMENT OF THE NAVY  
HEADQUARTERS UNITED STATES MARINE CORPS  
3000 MARINE CORPS PENTAGON  
WASHINGTON, D.C. 20350-3000

NAVMC 3500.2A Ch 2  
C 469  
30 JAN 2012

NAVMC 3500.2A Ch 2

From: Commandant of the Marine Corps  
To: Distribution List

Subj: ASSAULT AMPHIBIOUS VEHICLE (AAV) TRAINING AND READINESS (T&R) MANUAL

Encl: (1) New Chapter 6 to NAVMC 3500.2A  
(2) New Chapter 7 to NAVMC 3500.2A

1. Purpose. To transmit chapter inserts to the basic Manual.
2. Action. Remove Chapters 6 and 7 from the original Order and replace with enclosures (1) and (2).
3. Information. This change is out of the normal T&R review cycle due to Marine Corps Systems Command Safety of Use Message (DTG: 191823Z Apr 11) requirements regarding proper procedures while conducting waterborne operations in an AAV.
4. Filing Instructions. This change transmittal will be filed immediately following the signature page of the basic Manual.

  
R. C. FOX  
By direction

DISTRIBUTION: PCN 10033193802

Copy to: 7000260 (2)  
8145001 (1)

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

LOCATOR SHEET

Subj: ASSAULT AMPHIBIOUS VEHICLE TRAINING AND READINESS MANUAL, (SHORT  
TITLE: AAV T&R MANUAL)

Location: \_\_\_\_\_  
(Indicate location(s) of copy(ies) of this Manual.)

RECORD OF CHANGES

Log completed change action as indicated

Change Number	Date of Change	Date Entered	Signature of Person Incorporating Change

AAV T&R MANUAL

TABLE OF CONTENTS

CHAPTER

1. . . . . OVERVIEW  
2. . . . . MISSION ESSENTIAL TASKS MATRIX  
3. . . . . BATTALION & COMPANY COLLECTIVE EVENTS  
4. . . . . PLATOON COLLECTIVE EVENTS  
5. . . . . SECTION & CREW COLLECTIVE EVENTS  
6. . . . . MOS 1803 INDIVIDUAL EVENTS  
7. . . . . MOS 1833 INDIVIDUAL EVENTS

APPENDICES

A . . . . . TERMS AND DEFINITIONS  
B . . . . . T& R CHANGES  
C . . . . . AMMUNITION ROLLUP  
D . . . . . SIMULATION  
E . . . . . ACROMYMS AND ABBREVIATIONS  
F . . . . . GUNNERY INDIVIDUAL AND COLLECTIVE  
EVENTS  
G . . . . . METL EVENT DIAGRAM

AAV T&R MANUAL

CHAPTER 1

OVERVIEW

	<u>PARAGRAPH</u>	<u>PAGE</u>
INTRODUCTION . . . . .	1000	1-2
CORNERSTONE ORDERS . . . . .	1001	1-2
UNIT TRAINING . . . . .	1002	1-2
UNIT TRAINING MANAGEMENT . . . . .	1003	1-3
EVALUATION OF TRAINING . . . . .	1004	1-4
ORGANIZATION . . . . .	1005	1-4
T&R EVENT CODING . . . . .	1006	1-4
COMBAT READINESS PERCENTAGE . . . . .	1007	1-5
EVALUATION-CODED (E-CODED) EVENTS . . . . .	1008	1-6
CRP CALCULATION. . . . .	1009	1-6
T&R EVENT COMPOSITION. . . . .	1010	1-7
NUCLEAR, BIOLOGICAL, & CHEMICAL (NBC) TRAINING . . . . .	1011	1-9
NIGHT TRAINING . . . . .	1012	1-9
OPERATIONAL RISK MANAGEMENT (ORM) . . . . .	1013	1-9
MARINE CORPS GROUND T&R PROGRAM. . . . .	1014	1-10

## AAV T&R MANUAL

### CHAPTER 1

#### OVERVIEW

##### 1000. INTRODUCTION

1. The T&R Program has become the Corps' primary tool for planning, conducting, and evaluating training, and for assessing training readiness. Subject Matter Experts (SMEs) from the operating forces have developed Mission Essential Task Lists (METLs) for ground communities using Marine Corps doctrine, T/O missions, Operations Plans, contingency plans, and tactics, techniques, and procedures (TTP). T&R Manuals are built around these METLs; all events contained in T&R manuals relate directly back to this METL. This comprehensive T&R Program will help to ensure the Marine Corps continues to improve its combat readiness by training more efficiently and effectively. Ultimately, this will enhance the Marine Corps' ability to accomplish real-world missions.

2. The T&R Manual is a single document that seeks to capture the individual and collective training requirements to prepare units to accomplish their combat mission. The T&R Manual is not intended to be an encyclopedia that contains every minute detail of how to accomplish training. Instead, it seeks to identify the minimum standards that Marines must be able to perform in combat. The T&R Manual provides a fundamental tool for commanders to build and maintain unit combat readiness. Using this tool, training managers can construct and execute an effective training plan that supports the unit's METL. More detailed information on the Marine Corps Ground T&R Program can be found in reference (a).

1001. CORNERSTONE ORDERS. Guidance for all training and evaluation in the Marine Corps, from entry-level training at the formal schools to advanced PME for senior enlisted and officers, is found in what are called the Cornerstone Orders. All training and evaluation programs throughout the Marine Corps were designed based on the guidance provided in these orders. The Cornerstone Orders are:

- MCO 1553.1B The Marine Corps Education and Training System
- MCO 1553.2A Management of Marine Corps Formal Schools and Training Detachments
- MCO 1553.3A Unit Training Management
- MCO P1553.4A Professional Military Education

##### 1002. UNIT TRAINING

1. The training of Marines to perform as an integrated unit in combat lies at the heart of the T&R program. Unit readiness and individual readiness are directly related. Individual training and the mastery of individual core skills serve as the building blocks for unit combat readiness. A Marine's ability to perform critical skills required in combat is essential; however,

it is not necessary to have all individuals within an organization fully trained in order for that organization to accomplish its assigned tasks. Manpower shortfalls, temporary assignments, leave, or other factors outside the commander's control, often affect the ability to conduct individual training. Regardless of current manning, the unit must maintain the ability to accomplish its assigned mission.

2. Commanders will ensure that all tactical training is focused on their combat mission. The T&R Manual serves as a tool to help develop the unit's training plan. Tactical training shall support the unit METL and be tailored to meet T&R standards. Commanders at all levels are responsible for effective combat training. The conduct of training in a professional manner consistent with Marine Corps standards cannot be over emphasized.

3. Commanders shall provide personnel the opportunity to attend formal and operational level courses of instruction as required by this Manual. Attendance at all formal courses must enhance the warfighting capabilities of the unit as determined by the unit commander.

#### 1003. UNIT TRAINING MANAGEMENT

1. Unit Training Management (UTM) is the application of the Systems Approach to Training (SAT) and the Marine Corps Training Principles in a manner that maximizes training results and focuses the training priorities of the unit in preparation for the conduct of its wartime mission.

2. UTM focuses training on the tasks that are essential to a unit's wartime capabilities. The SAT process provides commanders with the requisite tools and techniques to analyze, design, develop, implement and evaluate the training of their unit. The Marine Corps Training Principles provide sound and proven direction and are flexible enough to accommodate the demands of local conditions. These principles are not inclusive, nor do they guarantee success. They are guides that commanders can use to manage unit-training programs. The Marine Corps training principles are:

- Train as you fight
- Make commanders responsible for training
- Use standards-based training
- Use performance-oriented training
- Use mission-oriented training
- Train the MAGTF to fight as a combined arms team
- Train to sustain proficiency
- Train to challenge

3. In order to maintain an efficient, effective training program, it is imperative that commanders at every level fully understand and implement UTM. Guidance for UTM and the process for establishing effective UTM programs are contained in references (b), (e), and (f), MCO 1553.3A, Unit Training Management, MCRP 3-0A, Unit Training Management Guide, and MCRP 3-0B, How to Conduct Training.

#### 1004. EVALUATION OF TRAINING

1. Evaluation is a continuous process. Evaluation is integral to training management and is conducted by leaders at every level and during all phases of the planning and conduct of training. Training evaluations measure individual and collective ability to perform events specified in the respective T&R Manuals. To ensure training is efficient and effective, it is imperative that evaluation is an integral part of the training plan.

2. The purpose of formal and informal evaluation is to provide commanders with a process to determine a unit's proficiency in the tasks it must successfully perform in combat. Informal evaluations should be conducted during every training evolution. Formal evaluations are often scenario-based, focused on the unit's METs, based on collective training standards, and usually conducted during higher-level collective events. References (a) and (b), MCO P3500.72A and MCO 1553.3A, provide further guidance on the conduct of informal and formal evaluations utilizing the Marine Corps Ground T&R Program.

1005. ORGANIZATION. T&R Manuals are organized in one of two methods: unit-based or community-based. Unit-based are written to support a type unit (i.e., Infantry, Artillery, Tanks, etc). Community-based are written to support an Occupational Field, a group of related Military Occupational Specialties (MOSSs), or billets within an organization (i.e. EOD, NBC, Intel, etc). T&R Manuals are comprised of chapters that contain unit METs, collective training standards (CTS), and individual training standards (ITS) for each MOS, billet, etc.

#### 1006. T&R EVENT CODING

1. Format. T&R events are coded for ease of reference. Each event has 4-4-4-digit identifier. The first four digits represent the community/MOS (e.g. TAC). The second four digits represent the functional or duty area (e.g. SUP, OAS, AS, etc.). The last four digits represent the level and sequence of the event.

2. Examples. The T&R levels are shown in Figure 1. An example of the T&R coding used in this Manual is shown in Figure 2.

Individual Formal School Training Entry-Level (Core Skills)	Individual Training & Career Progression MOJT, Career-level or Advanced-level School (Core Plus Skills)	N/A	N/A
1000-Level	2000-Level	3000-Level	4000-Level
N/A	N/A	N/A	N/A
5000-Level	6000-Level	7000-Level	8000-Level

Figure 1: T&R Event Levels

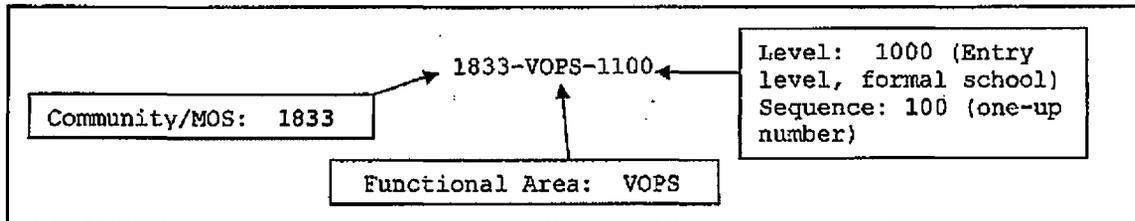


Figure 2: T&R Event Coding

**1007. COMBAT READINESS PERCENTAGE**

1. The Marine Corps Ground T&R Program includes processes to assess readiness of units and individual Marines. Every unit in the Marine Corps maintains a basic level of readiness based on the training and experience of the Marines in the unit. Even units that never trained together are capable of accomplishing some portion of their missions. Combat readiness assessment does not associate a quantitative value for this baseline of readiness, but uses a "Combat Readiness Percentage", as a method to provide a concise descriptor of the recent training accomplishments of units and Marines.
2. Combat Readiness Percentage (CRP) is the percentage of required training events that a unit or Marine accomplishes within specified sustainment intervals.
3. In unit-based T&R Manuals, unit combat readiness is assessed as a percentage of the successfully completed and current (within sustainment interval) key training events called "Evaluation-Coded" (E-Coded) Events. E-Coded Events and unit CRP calculation are described in follow-on paragraphs. CRP achieved through the completion of E-Coded Events is directly relevant to readiness assessment in DRRS.
4. Individual combat readiness, in both unit-based and community-based T&R Manuals, is assessed as the percentage of required individual events in which

a Marine is current. This translates as the percentage of training events for his/her MOS and grade (or billet) that the Marine successfully completes within the directed sustainment interval. Individual skills are developed through a combination of 1000-level training (entry-level formal school courses), individual on-the-job training in 2000-level events, and follow-on formal school training. Skill proficiency is maintained by retraining in each event per the specified sustainment interval.

#### 1008. EVALUATION-CODED (E-CODED) EVENTS

1. Unit-type T&R Manuals can contain numerous unit events, some for the whole unit and others for integral parts that serve as building blocks for training. To simplify training management and readiness assessment, only collective events that are critical components of a mission essential task (MET), or key indicators of a unit's readiness, are used to generate CRP for a MET. These critical or key events are designated in the T&R Manual as Evaluation-Coded (E-Coded) events. Formal evaluation of unit performance in these events is recommended because of their value in assessing combat readiness. Only E-Coded events are used to calculate CRP for each MET.
2. The use of a METL-based training program allows the commander discretion in training. This makes the T&R Manual a training tool rather than a prescriptive checklist.
3. The E-Coded event concept does not directly apply to events in this manual; however, these events will support overall AAV readiness reporting as part of the larger unit.

#### 1009. CRP CALCULATION

1. Collective training begins at the 3000 level (team, crew or equivalent). Unit training plans are designed to accomplish the events that support the unit METL while simultaneously sustaining proficiency in individual core skills. Using the battalion-based (unit) model, the battalion (7000-level) has collective events that directly support a MET on the METL. These collective events are E-Coded and the only events that contribute to unit CRP. This is done to assist commanders in prioritizing the training toward the METL, taking into account resource, time, and personnel constraints.
2. Unit CRP increases after the completion of E-Coded events. The number of E-Coded events for the MET determines the value of each E-Coded event. For example, if there are 4 E-Coded events for a MET, each is worth 25% of MET CRP. MET CRP is calculated by adding the percentage of each completed and current (within sustainment interval) E-Coded training event. The percentage for each MET is calculated the same way and all are added together and divided by the number of METS to determine unit CRP. For ease of calculation, we will say that each MET has 4 E-Coded events, each contributing 25% towards the completion of the MET. If the unit has completed and is current on three of the four E-Coded events for a given MET, then they have completed 75% of the MET. The CRP for each MET is added together and divided by the number of METS to get unit CRP; unit CRP is the average of MET CRP.

For Example:

MET 1: 75% complete (3 of 4 E-Coded events trained)  
MET 2: 100% complete (6 of 6 E-Coded events trained)  
MET 3: 25% complete (1 of 4 E-Coded events trained)  
MET 4: 50% complete (2 of 4 E-Coded events trained)  
MET 5: 75% complete (3 of 4 E-Coded events trained)

To get unit CRP, simply add the CRP for each MET and divide by the number of METS:

MET CRP:  $75 + 100 + 25 + 50 + 75 = 325$

Unit CRP:  $325$  (total MET CRP) /  $5$  (total number of METS) =  $65\%$

#### 1010. T&R EVENT COMPOSITION

1. This section explains each of the components of a T&R event. These items are included in all events in each T&R Manual.

a. Event Code (see Sect 1006). The event code is a 4-4-4 character set. For individual training events, the first 4 characters indicate the occupational function. The second 4 characters indicate functional area (MNVR, CBTS, VOFS, etc.). The third 4 characters are simply a numerical designator for the event.

b. Event Title. The event title is the name of the event.

c. E-Coded. This is a "yes/no" category to indicate whether or not the event is E-Coded. If yes, the event contributes toward the CRP of the associated MET. The value of each E-Coded event is based on number of E-Coded events for that MET. Refer to paragraph 1008 for detailed explanation of E-Coded events.

d. Supported MET(s). List all METs that are supported by the training event.

e. Sustainment Interval. This is the period, expressed in number of months, between evaluation and retraining requirements. Skills and capabilities acquired through the accomplishment of training events are refreshed at pre-determined intervals. It is essential that these intervals are adhered to in order to ensure Marines maintain proficiency.

f. Billet. Individual training events may contain a list of billets within the community that are responsible for performing that event. This ensures that the billets expected tasks are clearly articulated and a Marine's readiness to perform in that billet is measured.

g. Grade. Each individual training event will list the rank(s) at which Marines are required to learn and sustain the training event.

h. Event Description. Provide a description of the event purpose, objectives, goals, and requirements. It is a general description of an

action requiring learned skills and knowledge (e.g. Load the MK 19 Mod 3 Machine Gun).

i. Condition. Describe the condition(s), under which tasks are performed. Conditions are based on a "real world" operational environment. They indicate what is provided (equipment, materials, manuals, aids, etc.), environmental constraints, conditions under which the task is performed, and any specific cues or indicators to which the performer must respond. When resources or safety requirements limit the conditions, this is stated.

j. Standard. The standard indicates the basis for judging effectiveness of the performance. It consists of a carefully worded statement that identifies the proficiency level expected when the task is performed. The standard provides the minimum acceptable performance parameters and is strictly adhered to. The standard for collective events is general, describing the desired end-state or purpose of the event. While the standard for individual events specifically describe to what proficiency level in terms of accuracy, speed, sequencing, quality of performance, adherence to procedural guidelines, etc., the event is accomplished.

k. Event Components. Describe the actions composing the event and help the user determine what must be accomplished and to properly plan for the event.

l. Prerequisite Events. Prerequisites are academic training or other T&R events that must be completed prior to attempting the task. They are lower-level events or tasks that give the individual/unit the skills required to accomplish the event. They can also be planning steps, administrative requirements, or specific parameters that build toward mission accomplishment.

m. Chained Events. Collective T&R events are supported by lower-level collective and individual T&R events. This enables unit leaders to effectively identify subordinate T&R events that ultimately support specific mission essential tasks. When the accomplishment of any upper-level events, by their nature, result in the performance of certain subordinate and related events, the events are "chained". The completion of chained events will update sustainment interval credit (and CRP for E-Coded events) for the related subordinate level events.

n. Related Events. Provide a list of all Individual Training Standards that support the event.

o. References. The training references are utilized to determine task performance steps, grading criteria, and ensure standardization of training procedures. They assist the trainee in satisfying the performance standards, or the trainer in evaluating the effectiveness of task completion. References are also important to the development of detailed training plans.

p. Distance Learning Products (IMI, CBT, MCI, etc.). Include this component when the event can be taught via one of these media methods vice attending a formal course of instruction or receiving MOJT.

q. Support Requirements. This is a list of the external and internal support the unit and Marines will need to complete the event. The list includes, but is not limited to:

- Range(s)/Training Area
- Ordnance
- Equipment
- Materials
- Other Units/Personnel
- Other Support Requirements

r. Miscellaneous. Provide any additional information that assists in the planning and execution of the event. Miscellaneous information may include, but is not limited to:

- Admin Instructions
- Special Personnel Certifications
- Equipment Operating Hours
- Road Miles

2. Community-based T&R Manuals have several additional components not found in unit-based T&R Manuals. These additions do not apply to this T&R Manual.

1011. NUCLEAR, BIOLOGICAL, & CHEMICAL (NBC) TRAINING. All personnel assigned to the operating force must be trained in NBCD in order to survive and continue their mission in an NBC environment. Individual proficiency standards are defined as survival and basic operating standards. Survival standards are those that the individual must master in order to survive NBC attacks. Basic operating standards are those that the individual, and collectively the unit, must be capable of performing to continue operations in an NBC environment. In order to develop and maintain the ability to operate in an NBC environment, NBC defense training should be an integral part of the training plan and events in this T&R Manual should be trained under NBC conditions whenever possible. Per reference (c), MCO 3400.3F (NBCD Training Order), all units must be capable of accomplishing their assigned mission in a contaminated environment. Any NBCD training requirements are specified in the given event.

1012. NIGHT TRAINING. While it is understood that all personnel and units of the operating force must be capable of performing their assigned mission in "every climate and place," current doctrine emphasizes the requirement to perform assigned missions at night and during periods of limited visibility. Basic skills are significantly more difficult when visibility is limited. To ensure units are capable of accomplishing their mission at night as well as during the day, they must train under the more difficult limited visibility conditions. All events in this T&R Manual will be conducted during day, night or under conditions of limited visibility as specified. When there is limited training time available, night training should be conducted in lieu of day training.

1013. OPERATIONAL RISK MANAGEMENT (ORM). ORM is a process that enables commanders to plan for and minimize risk while still accomplishing the mission. It is a decision making tool used by Marines at all levels to

increase operational effectiveness by anticipating hazards and reducing the potential for loss, thereby increasing the probability of a successful mission. ORM minimizes risks to acceptable levels, commensurate with mission accomplishment. Commanders, leaders, maintainers, planners, and schedulers shall integrate risk assessment in the decision-making process and implement hazard controls to reduce risk to acceptable levels. Applying the ORM process will reduce mishaps, lower costs, and provide for more efficient use of resources. ORM assists the commander in conserving lives and resources and avoiding unnecessary risk, making an informed decision to implement a course of action (COA), identifying feasible and effective control measures where specific measures do not exist, and providing reasonable alternatives for mission accomplishment. Most importantly, ORM assists the commander in determining the balance between training realism and unnecessary risks in training, the impact of training operations on the environment, and the adjustment of training plans to fit the level of proficiency and experience of Sailors/Marines and leaders. Further guidance for ORM can be found in references (b), MCO 1553.3A Marine Corps Unit Training Management, and (d), MCO 3500.27B Operational Risk Management.

1014. MARINE CORPS GROUND T&R PROGRAM. The Marine Corps Ground T&R Program continues to evolve. The vision for this program is to support the Uniform Joint Task List (UJTL), the Uniform Navy Task List (UNTL), and the Marine Corps Task List (MCTL) with METLs and unit training. In doing so, tying all training and training resources directly to unit missions. The Defense Readiness Reporting System (DRRS) has replaced ESORTS and is now the primary readiness reporting tool. The purpose of this system is to measure and report on the readiness of military forces and the supporting infrastructure to meet missions and goals assigned by the Secretary of Defense. Training readiness in DRRS will be based primarily on METs. With unit CRP based on the unit's training toward its METs, the CRP will provide a more accurate picture of a unit's readiness. This will give fidelity to future funding requests and factor into the allocation of resources. Additionally, the Ground T&R Program will help to ensure training remains focused on mission accomplishment and that training readiness reporting is tied to commanders' METLs. This Manual will facilitate supported unit DRRS reporting by quantifying training and certification requirements.

AAV T&R MANUAL

CHAPTER 2

MISSION ESSENTIAL TASKS MATRIX

	<u>PARAGRAPH</u>	<u>PAGE</u>
MISSION ESSENTIAL TASK LIST (METL) . . . . .	2000	2-2

AAV T&R MANUAL

CHAPTER 2

MISSION ESSENTIAL TASKS MATRIX

2000. ASSAULT AMPHIBIAN MISSION ESSENTIAL TASK LIST (METL)

1. The list below includes the core capability Mission Essential Task List (METL) and the collective events that support each MET. All METs are derived from the Marine Corps Task List MCO 3500.26.

MET# / MISSION ESSENTIAL TASK

<b>MET 1 - MCT 1.1.2 PROVIDE TASK ORGANIZED FORCES</b>	
AAV-CMDC-7201	Provide Alert Forces
AAV-CMDC-7202	Provide Assault Amphibian Unit(s) in Support of Expeditionary Operations
AAV-CMDC-7203	Conduct a Deployment
AAV-CMDC-7204	Conduct Planning
AAV-CMDC-6204	Conduct Planning
<b>MET 2 - MCT 1.3.2 CONDUCT AMPHIBIOUS OPERATIONS</b>	
AAV-CMDC-7204	Conduct Planning
AAV-CMDC-7503	Conduct Logistics Planning
AAV-CMDC-7601	Assist in Conducting Amphibious Staff Planning
AAV-CMDC-6204	Conduct Planning
AAV-CMDC-6502	Conduct Recovery and Evacuation Operations
AAV-CMDC-6503	Support Casualty Evacuation Operations
AAV-CMDC-6601	Assist in Conducting Amphibious Staff Planning
AAV-CMDC-6602	Support Amphibious Operations
AAV-CMDC-6603	Conduct Surf Survival
AAV-CMDC-5501	Provide Means for Tactical Logistics
AAV-CMDC-5502	Conduct Recovery Operations
AAV-CMDC-5503	Conduct Casualty Evacuation Operations
AAV-CMDC-5601	Prepare for Amphibious Operations
AAV-CMDC-5602	Support Amphibious Assault
AAV-CMDC-5603	Support Amphibious Raid
AAV-CMDC-5604	Support in Amphibious Demonstration
AAV-CMDC-5605	Support Amphibious Withdrawal
AAV-CMDC-5606	Support Non-Combatant Evacuation Operations
AAV-CMDC-4502	Conduct Recovery Operations
AAV-CMDC-4601	Conduct Waterborne Operations
AAV-CMDC-4602	Conduct Evacuation of Personnel from Disabled/Sinking AAV
AAV-CMDC-4603	Recover Disabled AAV in the Water
AAV-CMDC-3205	Conduct Communications
AAV-CMDC-3301	Conduct Demolition
AAV-CMDC-3601	Employ Assault Amphibious Vehicle (AAV) in Water
AAV-CMDC-3602	Embark/Debar Assault Amphibious Vehicle (AAV)

AAV-CMDC-3603	Conduct Vehicle Emergency Procedures Afloat
<b>MET 3 - MCT 1.4.2.3 BREACH BARRIERS AND OBSTACLES</b>	
AAV-CMDC-7204	Conduct Planning
AAV-CMDC-7503	Conduct Logistics Planning
AAV-CMDC-6204	Conduct Planning
AAV-CMDC-5401	Support Breach
AAV-CMDC-4101	Employ Section Fire and Maneuver
AAV-CMDC-4401	Support Section Breach
AAV-CMDC-4402	Support Team Breach
AAV-CMDC-4403	Determine Deployment Options of Mk 1 Mod 0
AAV-CMDC-3101	Engage Stationary Targets
AAV-CMDC-3102	Engage Moving Targets
AAV-CMDC-3205	Conduct Communications
AAV-CMDC-3301	Conduct Demolition
AAV-CMDC-3401	Install Mk 154 Launcher Mine Clearance
AAV-CMDC-3402	Load Ordnance
AAV-CMDC-3403	Deploy Mk 1 Mod 0 Mine Clearance System
AAV-CMDC-3404	Offload Ordnance
AAV-CMDC-3405	Remove Mk 154 Launcher Mine Clearance
AAV-CMDC-3701	Employ AAV on Land
<b>MET 4 - MCT 1.6.1 Conduct Offensive Operations</b>	
AAV-CMDC-7204	Conduct Planning
AAV-CMDC-7205	Conduct Combat Operations Center (COC) Operations
AAV-CMDC-7501	Conduct Battalion Support Area Operations
AAV-CMDC-7502	Conduct Recovery and Evacuation Operations
AAV-CMDC-7503	Conduct Logistics Planning
AAV-CMDC-6204	Conduct Planning
AAV-CMDC-6501	Employ Combat Trains
AAV-CMDC-6502	Conduct Recovery and Evacuation Operations
AAV-CMDC-6503	Support Casualty Evacuation Operations
AAV-CMDC-6701	Support Mechanized Infantry Attack
AAV-CMDC-6702	Conduct a Road March
AAV-CMDC-5101	Employ Platoon Fire and Maneuver
AAV-CMDC-5501	Provide Means for Tactical Logistics
AAV-CMDC-5502	Conduct Recovery Operations
AAV-CMDC-5503	Conduct Casualty Evacuation Operations
AAV-CMDC-5701	Support a Mechanized Attack
AAV-CMDC-5702	Support Movement to Contact
AAV-CMDC-5705	Support Urban Operations
AAV-CMDC-5706	Support Riverine Operations
AAV-CMDC-5707	Support River Crossing Operations
AAV-CMDC-4101	Employ Section Fire and Maneuver
AAV-CMDC-4502	Conduct Recovery Operations
AAV-CMDC-4701	Support the Assault Element
AAV-CMDC-4702	Support the Support Element
AAV-CMDC-3101	Engage Stationary Targets
AAV-CMDC-3102	Engage Moving Targets
AAV-CMDC-3205	Conduct Communications
AAV-CMDC-3301	Conduct Demolition
AAV-CMDC-3701	Employ AAV on Land

MET 5 - MCT 1.6.4 CONDUCT DEFENSIVE OPERATIONS	
AAV-CMDC-7204	Conduct Planning
AAV-CMDC-7501	Conduct Battalion Support Area Operations
AAV-CMDC-7502	Conduct Recovery and Evacuation Operations
AAV-CMDC-7503	Conduct Logistics Planning
AAV-CMDC-6204	Conduct Planning
AAV-CMDC-6501	Employ Combat Trains
AAV-CMDC-6502	Conduct Recovery and Evacuation Operations
AAV-CMDC-6503	Support Casualty Evacuation Operations
AAV-CMDC-5101	Employ Platoon Fire and Maneuver
AAV-CMDC-5501	Provide Means for Tactical Logistics
AAV-CMDC-5502	Conduct Recovery Operations
AAV-CMDC-5503	Conduct Casualty Evacuation Operations
AAV-CMDC-5703	Support Infantry Defense
AAV-CMDC-5704	Support a Retrograde
AAV-CMDC-5705	Support Urban Operations
AAV-CMDC-4101	Employ Section Fire and Maneuver
AAV-CMDC-4502	Conduct Recovery Operations
AAV-CMDC-4703	Support Infantry Defense
AAV-CMDC-4704	Support a Retrograde
AAV-CMDC-3101	Engage Stationary Targets
AAV-CMDC-3102	Engage Moving Targets
AAV-CMDC-3205	Conduct Communications
AAV-CMDC-3301	Conduct Demolition
AAV-CMDC-3701	Employ AAV on Land
MET 6 - MCT 5.3.2 ESTABLISH MEANS FOR COMMAND AND CONTROL	
AAV-CMDC-7204	Conduct Planning
AAV-CMDC-7205	Conduct Combat Operations Center (COC) Operations
AAV-CMDC-7401	Conduct CBRN-E Operations
AAV-CMDC-7503	Conduct Logistics Planning
AAV-CMDC-6204	Conduct Planning
AAV-CMDC-4205	Conduct Command Section Operations
AAV-CMDC-3205	Conduct Communications
AAV-CMDC-3301	Conduct Demolition
AAV-CMDC-3701	Employ AAV on Land

**MCT 1.1.2 Provide Task-Organized Forces**

The Marine Corps organizes its operational forces as Marine Corps components and as MAGTFs to provide task-organized, self-sustaining multipurpose forces to the joint force or naval expeditionary force. These uniquely organized Marine Corps forces can respond to a wide range of operational and tactical missions and tasks, providing an unmatched combination of deployment and employment options.

**MCT 1.3.2 Conduct Amphibious Operations**

To conduct an attack launched from the sea by naval and landing forces, embarked in ships or craft involving a landing on a hostile or potentially hostile shore.

**MCT 1.4.2.3 Breach Barriers and Obstacles**

To employ any means available to break through or secure a passage through an enemy defense, obstacle or fortification. This enables a force to maintain its mobility by removing or reducing natural and man-made obstacles.

**MCT 1.6.1 Conduct Offensive Operations**

Take the initiative, gain freedom of action to allow swift transition from one action to another and to put the enemy at risk throughout the depth and space of the battlespace. Defeat, destroy or neutralize the enemy force by taking the fight to the enemy in such a way as to achieve victory at least cost.

**MCT 1.6.4 Conduct Defensive Operations**

Take action to defeat an enemy attack. Buy time, to hold a piece of key terrain, to facilitate other operations, to preoccupy the enemy in one area so friendly forces can attack him in another, or to erode enemy resources at a rapid rate while reinforcing friendly operations.

**MCT 5.3.2 Establish Means to Command and Control**

To establish and provide controls and procedures for command and tactical movement of forces in a way that permits a commander to move his force quickly, securely, and efficiently. To take into account the size of units and related time and space factors. To pass on multiple routes at a designated speed, organized in serial march units; establish jamming teams and liaison parties; and move tactical command post before main body to synchronize and coordinate movement, etc. Control is established to ensure the commander flexibility to deploy his force as necessary for tactical purposes.

AAV T&R MANUAL

CHAPTER 3

BATTALION/COMPANY COLLECTIVE EVENTS

	<u>PARAGRAPH</u>	<u>PAGE</u>
PURPOSE. . . . .	3000	3-2
EVENT CODING . . . . .	3001	3-2
ADMINISTRATIVE NOTES . . . . .	3002	3-2
COLLECTIVE DESCRIPTION/CORE CAPABILITY . . . . .	3003	3-2
INDEX OF COLLECTIVE EVENTS . . . . .	3004	3-5
BATTALION LEVEL COLLECTIVE EVENTS . . . . .	3005	3-6
COMPANY LEVEL COLLECTIVE EVENTS. . . . .	3006	3-14

AAV T&R MANUAL

CHAPTER 3

BATTALION/COMPANY COLLECTIVE EVENTS

**3000. PURPOSE.** This chapter contains the Battalion and Company level Assault Amphibian unit events, and illustrates the relationship between unit competencies [Mission Essential Tasks (METs)] and unit training (Collective Events). Unit training managers can isolate all training relevant to each MET and devise training to support their competencies as needed. Lastly, this chapter serves as the focal point for Platoon training, detailed in the subsequent chapters.

**3001. EVENT CODING.** Events in the T&R Manual are depicted with a 12 field alphanumeric system, i.e. XXXX-XXXX-XXXX. This chapter utilizes the following methodology:

a. Field one - Each event starts with "AAV" indicating that the event is for units in the Assault Amphibian Occupational Field.

b. Field two - This field is alpha characters indicating a functional area. Functional areas used at the Battalion and Company level are:

CMDC - Command and Control	CBTS - Combat Support
CSS - Combat Service Support	AMPH - Amphibious Operations
TAC - Tactical Operations	

c. Field three - This field provides unit level at which the event is accomplished and numerical sequencing.

**3002. ADMINISTRATIVE NOTES**

1. Commanders should select which collective events under a MET will be E-Coded for purposes of recording and calculating Combat Readiness Percentages.

2. Each Event contains a paragraph that describes internal and external Support Requirements the unit and Marines will need to complete the event. Ranges/Training Areas are described in this section with plain-language description. They are also described using the Range/Facility Codes that identify the type of range and/or training area needed to accomplish the Event. Marines can use the codes to find information about available ranges at their geographic location by using the web-based Range/Training Area Management System (see TECOM website). Ultimate use of the Range/Training Area Code is to relate ranges to readiness by identifying those Events that cannot be accomplished at a certain location due to lack of ranges.

**3003. COLLECTIVE DESCRIPTION/CORE CAPABILITY**

1. Assault Amphibian Battalion. The mission of the Assault Amphibian Battalion is to land the surface assault element of the landing force and its

equipment in a single lift from assault shipping by Amphibious Operations to inland objectives and to conduct mechanized operations and related Combat Support in subsequent operations ashore. The Assault Amphibian Battalion provides the Ground Combat Element with the general support lift, staff expertise, and command and control assets to plan and execute amphibious forcible entry and subsequent mechanized operations ashore. The Assault Amphibian Battalion has units of scalable capability, task organized to support each echelon of the Ground Combat Element from company to regiment. The Battalion is comprised of at least two Assault Amphibian Companies and a Headquarters and Support company. The Assault Amphibian Battalion augments the Assault Amphibian Company's organic logistics capability by providing personnel, medical, resupply, and overflow second and third echelon maintenance.

- a. Conducts amphibious operations.
- b. Conducts mechanized operations.
- c. Provides staff and command and control assets to plan and execute mechanized operations.
- d. Conducts combat service support operations.
- e. Conducts mechanized breaching support.
- f. Conducts operations in NBC environment.
- g. Conducts rear area operations.

2. **Assault Amphibian Company.** The mission of the Assault Amphibian Company is to land the surface assault element of the landing force and their equipment in a single lift from assault shipping by Amphibious Operations to inland objectives and to conduct Mechanized Operations and related Combat Support in subsequent operations ashore. The Assault Amphibian Company provides the Ground Combat Element with the general support lift, staff expertise, and command and control assets to plan and execute amphibious forcible entry and subsequent mechanized operations ashore. The Assault Amphibian Company has units of scalable capability, task organized to support echelons of the Ground Combat Element from company to battalion. The Assault Amphibian Company consists of 3 Assault Amphibian Platoons, a Headquarters Platoon, and a Maintenance Platoon or detachment. The company commander functions as a special staff officer to the supported unit in AAV employment in addition to commanding the company.

- a. Conduct amphibious operations.
- b. Conduct mechanized operations.
- c. Conduct offensive operations.
- d. Conduct defensive operations.
- e. Conduct operations in support of mechanized operations.
- f. Employ vehicle and small unit fires.

g. Conduct operations in an NBC environment.

**3. Assault Amphibian Headquarters and Service (H&S) Company.** The mission of the Headquarters and Service Company is to coordinate the sustainment of subordinate units in order to enable the battalion to support ground combat operations. Through its subordinate platoons and sections, the H&S Company provides maintenance, communications, administrative, medical, supply and other service support functions to the AA battalion. H&S Company is led by the H&S company commander.

- a. Conduct combat service support operations in support of battalion.
- b. Provide higher echelon support of maintenance for the battalion units.
- c. Provide command and control infrastructure for battalion staff.
- d. Conduct rear area security for battalion support area.
- e. Conduct operations in NBC environment.
- f. Participate in convoy operations.

3004. INDEX OF COLLECTIVE EVENTS

BATTALION LEVEL COLLECTIVE EVENTS			
Event Code	Eval Code	Event	Page
AAV-CMDC-7201		Provide Alert Forces	3-6
AAV-CMDC-7202	Yes	Provide Assault Amphibian Unit(s) in Support of Expeditionary Operations	3-6
AAV-CMDC-7203		Support a Deployment	3-7
AAV-CMDC-7204		Conduct Planning	3-8
AAV-CMDC-7205	Yes	Conduct Combat Operations Center Operations	3-8
AAV-CSS-7501		Conduct Battalion Support Area Operations	3-9
AAV-CSS-7502	Yes	Conduct Recovery and Evacuation Operations	3-10
AAV-CSS-7503		Conduct Logistics Planning	3-11
AAV-AMPH-7601		Assist in Conducting Amphibious Staff Planning	3-12
COMPANY LEVEL COLLECTIVE EVENTS			
AAV-CMDC-6204		Conduct Planning	3-14
AAV-CSS-6501		Employ Combat Trains	3-14
AAV-CSS-6502	Yes	Conduct Recovery and Evacuation Operations	3-15
AAV-CSS-6503		Conduct Casualty Evacuation Operations	3-16
AAV-AMPH-6601		Assist in Conducting Amphibious Staff Planning	3-16
AAV-AMPH-6602		Support Amphibious Operations	3-17
AAV-AMPH-6603		Conduct Surf Survival	3-18
AAV-TAC-6701		Support Mechanized Infantry Attack	3-19
AAV-TAC-6702		Conduct a Road March	3-19

3005. BATTALION LEVEL COLLECTIVE EVENTS

AAV-CMDC-7201: Provide Alert Forces

SUPPORTED MET(S): 1

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: An important type of Special Purpose MAGTF is the Air Contingency Force (ACF). An ACF is an on-call, task-organized alert force that is maintained by all three Marine Expeditionary Forces (MEF). It can be dispatched virtually worldwide to respond to a rapidly developing crisis. The ACF is the MEF's force is readiness. It can deploy independently or in conjunction with amphibious forces, MPFs, or other expeditionary forces.

CONDITION: Given a higher headquarters' operation order and commander's guidance.

STANDARD: To deploy in response to a rapidly developing crisis.

EVENT COMPONENTS:

1. Review the concept of operations / operations plan to determine specific transportation requirements
2. Identify TPFDD requirements to higher headquarters
3. Formulate an embarkation plan with level 4 data (weight and dimensions)
4. Forecast lift requirements
5. Provide input regarding Force Deployment Planning and Execution
6. Submit transportation requirements to higher headquarters
7. Disseminate a movement schedule to the appropriate units
8. Supervise embarkation / movement to staging area
9. Support deployment and distribution planning through the use of automated information systems

PREREQUISITE EVENTS:

AAV-CSS-7503                      AAV-CMDC-7204

RELATED EVENTS:

AAV-CMDC-6204                      AAV-AMPH-6601                      AAV-AMPH-7601  
AAV-CMDC-7203                      AAV-CSS-7503                      AAV-AMPH-6602

REFERENCES:

1. MCRP 4-11.3G Unit Embarkation Handbook
2. MCWP 3-32 Maritime Pre-positioning Force (MPF) Operations
3. MCWP 4-1 Logistics Operations
4. MCWP 4-11 Tactical Level Logistics
5. MCWP 5-1 Marine Corps Planning Process

---

AAV-CMDC-7202: Provide Assault Amphibian Unit(s) In Support of Expeditionary Operations

SUPPORTED MET(S): 1

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

**DESCRIPTION:** Expeditionary Operations consist of MEU and MEB level operations.

**CONDITION:** Given a higher headquarters' operation order and commander's guidance.

**STANDARD:** To provide the commander with mechanized, amphibious capability.

**EVENT COMPONENTS:**

1. Conduct mission analysis
2. Task organize
3. Change of Operational (CHOP) control / command AA Unit to supported command

**PREREQUISITE EVENTS:** AAV-CSS-7503

**RELATED EVENTS:**

AAV-AMPH-5601	AAV-TAC-5705	AAV-TAC-5706
AAV-TAC-5707	AAV-AMPH-7601	AAV-AMPH-6602
AAV-TAC-6701	AAV-CMDC-7203	AAV-CMDC-6204

**REFERENCES:**

1. MCO 3120.9 Policy for Marine Expeditionary Unit
2. MCRP 4-11.3G Unit Embarkation Handbook
3. MCRP 5-12D Organization of Marine Corps Forces
4. MCWP 3-32 Maritime Pre-positioning Force (MPF) Operations
5. MCWP 4-1 Logistics Operations
6. MCWP 4-11 Tactical Level Logistics
7. MCWP 5-1 Marine Corps Planning Process

---

**AAV-CMDC-7203:** Support a Deployment

**SUPPORTED MET (S):** 1

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 12 months

**CONDITION:** Given a higher headquarters' operation order and commander's guidance.

**STANDARD:** To provide forward deployed forces.

**EVENT COMPONENTS:**

1. Conduct mission analysis
2. Task organize
3. Conduct pre-deployment training
4. Change of Operational (CHOP) control / command AA Unit to supported command

**PREREQUISITE EVENTS:**

AAV-CSS-7503                      AAV-CMDC-7204

**RELATED EVENTS:**

AAV-CMDC-6204	AAV-AMPH-6601	AAV-AMPH-7601
AAV-AMPH-5601	AAV-AMPH-6602	

REFERENCES:

1. MCO 3120.9 Policy for Marine Expeditionary Unit
  2. MCRP 4-11.3G Unit Embarkation Handbook
  3. MCRP 5-12D Organization of Marine Corps Forces
  4. MCWP 3-32 Maritime Pre-positioning Force (MPF) Operations
  5. MCWP 4-1 Logistics Operations
  6. MCWP 4-11 Tactical Level Logistics
  7. MCWP 5-1 Marine Corps Planning Process
- 

AAV-CMDC-7204: Conduct Planning

SUPPORTED MET(S): 1, 2, 3, 4, 5, 6

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

CONDITION: Given a higher headquarters' operation order and commander's guidance.

STANDARD: To produce plans and orders which support the accomplishment of the mission and commander's intent.

EVENT COMPONENTS:

1. Establish timeline for planning and preparation
2. Conduct planning process (MCPP, R2P2, Hasty Planning)
3. Conduct confirmation brief
4. Develop staff products, operations plans, orders, annexes and appendices
5. Conduct rehearsals
6. Modify plan as required
7. Issue order
8. Transition

RELATED EVENTS:

AAV-CMDC-6204	AAV-CSS-6501	AAV-AMPH-6601
AAV-AMPH-7601	AAV-CSS-7501	AAV-CSS-7503
AAV-CMDC-7205		

REFERENCES:

1. FMI 5-0.1 The Operations Process
  2. MCRP 5-12A Operational Terms and Symbols
  3. MCWP 3-40.1 Marine Air-Ground Task Force Command and Control
  4. MCWP 5-1 Marine Corps Planning Process
- 

AAV-CMDC-7205: Conduct Combat Operations Center Operations

SUPPORTED MET(S): 4, 5, 6

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given a higher headquarters' operation order and commander's guidance.

**STANDARD:** To integrate systems, personnel and processes to command and control operations and support the commanders decision making.

**EVENT COMPONENTS:**

1. Establish a COC with C4 systems / applications that support the Command Post echelon (Jump / TAC, Forward, Main and Rear)
2. Establish a COC Watch to support mission accomplishment
3. Establish COC security
4. Maintain battle rhythm
5. Support war-fighting functions
6. Conduct Information Management procedures
7. Conduct battle drills
8. Maintain a Common Operational Picture
9. Conduct cross boundary coordination with adjacent units
10. Transition control of operations to the appropriate echelon
11. Integrate the Intelligence, Administrative and Logistical Operation Centers
12. Displace the COC
13. Maintain continuity of operations during displacement of the COC
14. Ensure operational security (OPSEC) / communications security (COMSEC) measures are employed

**RELATED EVENTS:**

AAV-CSS-5501                      AAV-CSS-7501                      AAV-CSS-5503  
AAV-CSS-5502

**REFERENCES:**

1. FM 3-0 Operations
2. FMI 5-0.1 The Operations Process
3. MCDP 1-0 Marine Corps Operations; Sep 2001
4. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)

**MISCELLANEOUS:**

**ADMINISTRATIVE INSTRUCTIONS:** 1. Recommended training includes SharePoint End User Course, WO/WC Course, C2PC Leader's Course, BFT Leader's Course, CPoF Leader's Course and BAT Leader's Course. 2. Must know collaborative tools (web-based tools) used by your unit. Collaborative tools are identified by the IMO. 3. C2 system training is available via home-station training at the local MAGTF Integrated Systems Training Center (MISTC).

---

**AAV-CSS-7501:** Conduct Battalion Support Area Operations

**SUPPORTED MET(S):** 4, 5

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 12 months

**CONDITION:** Given higher headquarters' order and commander's guidance.

**STANDARD:** To maintain sustainability of Assault Amphibian units.

**EVENT COMPONENTS:**

1. Develop concept of supply and sustainment

2. Develop recovery, replacement and evacuation procedures
3. Identify shortfalls and acceptable alternatives
4. Task organize
5. Develop transportation, logistics packages and movement plans
6. Position consideration
7. Conduct site survey
8. Conduct road march operations
9. Occupy Battalion Support Area
10. Establish security and guard forces
11. Establish Command Operations Center
12. Establish maintenance facility
13. Conduct recovery, replacement and evacuation operations
14. Establish health, food and religious services
15. Prepare for follow on operations
16. Conduct displacement

PREREQUISITE EVENTS: AAV-CSS-7503

RELATED EVENTS:

AAV-CSS-5501	AAV-CSS-5502	AAV-CSS-5503
AAV-CMDC-6204	AAV-CSS-6501	AAV-CSS-6503
AAV-TAC-6702	AAV-CSS-7502	AAV-CSS-6502

REFERENCES:

1. FM 3-90.3 Mounted Brigade Combat Team
2. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)

---

AAV-CSS-7502: Conduct Recovery and Evacuation Operations

SUPPORTED MET(S): 4, 5

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given higher headquarters' operation order and commander's guidance.

STANDARD: To return the material to operation or take it to a collection point for repair, evacuation or disposal.

EVENT COMPONENTS:

1. Organize battalion support area
2. Provide condition, location and circumstances of damage
3. Coordinate and dispatch contact team or battle damage assessment and repair assets
4. Recover and repair equipment
5. Destroy or render ineffective all equipment, sensitive items and weapons when vehicle is determined unsalvageable
6. Provide updates to higher headquarters

RELATED EVENTS:

AAV-CSS-5501	AAV-CSS-5502	AAV-CSS-7503
AAV-CSS-6503	AAV-CSS-6502	

REFERENCES:

1. MCRP 4-11.4A Battle Damage Assessment and Repair
  2. MCRP 4-24A Vehicle Recovery Operations
  3. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
  4. MCWP 4-11 Tactical Level Logistics
  5. MCWP 4-11.4 Maintenance Operations
  6. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)
- 

AAV-CSS-7503: Conduct Logistics Planning

SUPPORTED MET(S): 2, 3, 4, 5, 6

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

CONDITION: Given a higher headquarters' operation order and commander's guidance.

STANDARD: To ensure equipment and personnel are sustained in accordance with the unit's concept of support and mission accomplishment.

EVENT COMPONENTS:

1. Identify unit on hand MTOE (TO/TE) strengths
2. Identify organic capabilities
3. Coordinate transportation requirements
4. Coordinate maintenance requirements
5. Coordinate engineering requirements
6. Coordinate supply requirements by Class' I-X
7. Coordinate food services required
8. Coordinate medical requirements
9. Coordinate ammunition requirements
10. Coordinate detainee operations requirements
11. Coordinate Hazardous Materials requirements
12. Coordinate external support
13. Identify support relationships
14. Prepare concept of support
15. Determine priority of support
16. Develop logistics tracking process
17. Monitor fund allocation and spending
18. Identify contracting requirements
19. Identify critical shortfalls

RELATED EVENTS:

AAV-CSS-5501	AAV-AMPH-5601	AAV-TAC-5701
AAV-CMDC-6204	AAV-AMPH-7601	AAV-CSS-6502
AAV-CSS-6503	AAV-AMPH-6601	AAV-AMPH-6602
AAV-CSS-6501		

REFERENCES:

1. JCS PUB 3-02.2 Joint Doctrine for Amphibious Embarkation
2. MCDP 4 Logistics
3. MCO 8010.1E Class V (W) Planning Factors for Fleet Marine Force Combat Operations
4. MCO P4790.2C MIMMS Field Procedures Manual (JUL 94)

5. MCO P8020.10A Marine Corps Ammunition Management and Explosives Safety Policy
6. MCWP 3-31.5 Ship-to-Shore Movement
7. MCWP 3-32 Maritime Pre-positioning Force (MPF) Operations
8. MCWP 3-40.1 Marine Air-Ground Task Force Command and Control
9. MCWP 4-1 Logistics Operations
10. MCWP 4-11.4 Maintenance Operations
11. MCWP 4-11.7 MAGTF Supply Operations
12. MCWP 4-11.8 Services in an Expeditionary Environment
13. MCWP 5-1 Marine Corps Planning Process

---

AAV-AMPH-7601: Assist in Conducting Amphibious Staff Planning

SUPPORTED MET(S): 2

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given a higher headquarters' operation order and commander's guidance.

STANDARD: To support the concept of operations within the commander's intent.

EVENT COMPONENTS:

1. Assist in intelligence preparation of the operating environment
2. Assist in the Marine Corps Planning Process
3. Assist in selecting recommended Landing Area, Landing Force objectives, and beachhead for CLF/Commander Amphibious Task Force approval
4. Interpret intelligence, surveillance and reconnaissance, to include hydrographic surveys
5. Assist in the integration of the landing plan with the scheme of maneuver and supporting plans
6. Assist in developing the operation plan, embarkation plan, debarkation plan and landing plan
7. Provide input for the development of the approach schedule
8. Provide embarkation requirements, serial assignment, Landing Craft and Amphibian Vehicle Assignment Table (LCAVAT) documents
9. Conduct rehearsals, inspections and unit brief-backs

RELATED EVENTS:

AAV-CBTS-5401	AAV-AMPH-5601	AAV-AMPH-5602	AAV-AMPH-5604
AAV-AMPH-5603	AAV-AMPH-6602	AAV-AMPH-5605	
AAV-AMPH-5606	AAV-CMDC-6204	AAV-AMPH-6601	

REFERENCES:

1. JCS PUB 3-02 Joint Doctrine for Amphibious Operations
2. JCS PUB 3-02.1 Joint Doctrine for Landing Force Operations
3. MCDP 3 Expeditionary Operations
4. MCWP 3-31.5 Ship-to-Shore Movement
5. MCWP 3-31.6 Supporting Arms Coordination in Amphibious Operations
6. MCWP 4-1 Logistics Operations
7. MCWP 4-11 Tactical Level Logistics

SUPPORT REQUIREMENTS:

- OTHER SUPPORT REQUIREMENTS: 1. CAST - Combined Arms Staff Trainer.  
2. Amphibious shipping.

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: 1. This task is broad in nature and is designed to encompass the requirements for various types of amphibious operations to include: amphibious demonstration, amphibious raid, amphibious assault and amphibious withdrawal.

---

3006. COMPANY LEVEL COLLECTIVE EVENTS

AAV-CMDC-6204: Conduct Planning

SUPPORTED MET(S): 1, 2, 3, 4, 5, 6

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 6 months

CONDITION: Given higher headquarters' operation order and commander's guidance.

STANDARD: To produce plans and orders that support accomplishment of the mission and commander's intent.

EVENT COMPONENTS:

1. Establish timeline for planning and preparation
2. Conduct planning process (R2P2, Hasty Planning)
3. Conduct confirmation brief
4. Assist developing staff products
5. Conduct rehearsals
6. Modify plan as required
7. Issue order
8. Transition

RELATED EVENTS:

AAV-AMPH-5601	AAV-AMPH-5603	AAV-AMPH-5604
AAV-TAC-5707	AAV-AMPH-5606	AAV-TAC-5706
AAV-AMPH-5605		

REFERENCES:

1. FMI 5-0.1 The Operations Process
  2. MCRP 5-12A Operational Terms and Symbols
  3. MCWP 3-40.1 Marine Air-Ground Task Force Command and Control
  4. MCWP 5-1 Marine Corps Planning Process
- 

AAV-CSS-6501: Employ Combat Trains

SUPPORTED MET(S): 4, 5

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 6 months

CONDITION: Given AA unit engaged in tactical operations.

STANDARD: To distribute critical supplies, provide recovery or evacuate casualties.

EVENT COMPONENTS:

1. Determine the CSS requirements
2. Task organize the combat trains
3. Control movement in conjunction within concept of operations
4. Determine method of replenishment
5. Conduct recovery and evacuation operations if needed
6. Conduct replenishment

RELATED EVENTS:

AAV-CSS-5501                      AAV-CSS-5502                      AAV-TAC-5705  
AAV-TAC-5703                      AAV-CSS-5503

REFERENCES:

1. FM 4-90.1 Heavy Brigade Combat Team Logistics
2. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
3. MCWP 4-1 Logistics Operations
4. MCWP 4-11 Tactical Level Logistics
5. MCWP 4-11.4 Maintenance Operations
6. MCWP 4-11.7 MAGTF Supply Operations
7. MCWP 5-1 Marine Corps Planning Process
8. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)

---

AAV-CSS-6502: Conduct Recovery and Evacuation Operations

SUPPORTED MET(S): 2, 4, 5

EVALUATION-CODED: YES                      SUSTAINMENT INTERVAL: 12 months

CONDITION: Given higher headquarters operation order and commander's guidance.

STANDARD: To return the material to operation or take it to a collection point for repair, evacuation or disposal.

EVENT COMPONENTS:

1. Organize the company combat trains
2. Platoons provide condition, location and circumstances of damage
3. Coordinate and dispatch contact team or battle damage assessment and repair assets
4. Recover and repair equipment
5. Destroy or render ineffective all equipment, sensitive items and weapons when vehicle is determined unsalvageable
6. Provide updates to higher headquarters

RELATED EVENTS: AAV-CSS-5502

REFERENCES:

1. MCRP 4-11.4A Battle Damage Assessment and Repair
2. MCRP 4-24A Vehicle Recovery Operations
3. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
4. MCWP 4-11 Tactical Level Logistics
5. MCWP 4-11.4 Maintenance Operations
6. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17420 Maneuver/Training Area, Heavy Forces

---

AAV-CSS-6503: Conduct Casualty Evacuation Operations

SUPPORTED MET(S): 2, 4, 5

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

DESCRIPTION: Employ Company General Support AAVs as ambulance equipped with litter kits.

CONDITION: Given injured personnel.

STANDARD: To move casualty from the battle-space or sight of injury to a facility that can provide the necessary treatment capability.

EVENT COMPONENTS:

1. Local unit provides security at CCP
2. Maneuver to CCP
3. Corpsman stabilizes and prioritize casualty
4. Transfer to next higher collection points, MedEvac LZ, or amphibious shipping

RELATED EVENTS:

AAV-CSS-5503

AAV-TAC-5705

AAV-TAC-5704

REFERENCES:

1. MCRP 3-02G First Aid
2. MCRP 4-11.1G Patient Movement
3. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
4. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17420 Maneuver/Training Area, Heavy Forces

---

AAV-AMPH-6601: Assist in Conducting Amphibious Staff Planning

SUPPORTED MET(S): 2

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given a planning directive / warning order based on the initial planning conference.

STANDARD: To support the concept of operations within the commander's intent.

EVENT COMPONENTS:

1. Conduct mission analysis
2. Develop preliminary estimates based on the warning order and general planning guidelines provided by the higher commanders
3. Formulate information requirements and recommend Priority Intelligence Requirements (PIRs) for the commander

4. Assist initial Course of Action development
5. Assist in selecting recommended Landing Area, Landing Force (LF) objectives, and beachhead for CLF / Commander Amphibious Task Force (CATF) approval
6. Conduct a thorough and continuous analysis of the terrain, weather, hydrographic conditions and enemy situation throughout the planning process
7. Brief estimate of supportability to the commander
8. Assist in concurrent and parallel planning with other elements of the MAGTF
9. Provide embarkation requirements, serial assignment, Landing Craft and Amphibian Vehicle Assignment Table (LCAVAT) documents
10. Conduct rehearsals, inspections and unit brief-backs

RELATED EVENTS:

AAV-CSS-5501	AAV-AMPH-5601	AAV-AMPH-5602
AAV-AMPH-5606	AAV-AMPH-5604	AAV-AMPH-5605
AAV-AMPH-5603		

REFERENCES:

1. FMFM 6-3 Marine Infantry Battalion
2. JCS PUB 3-02 Joint Doctrine for Amphibious Operations
3. JCS PUB 3-02.1 Joint Doctrine for Landing Force Operations
4. MCDP 3 Expeditionary Operations

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17411 Maneuver/Training Area, Amphibious Forces  
Facility Code 17690 Scaled Gunnery Range (1:30 and 1:60)

- OTHER SUPPORT REQUIREMENTS:
1. CAST - Combined Arms Staff Trainer.
  2. Amphibious shipping required to accomplish this task.

---

AAV-AMPH-6602: Support Amphibious Operations

SUPPORTED MET(S): 2

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given higher headquarters operation order and commander's guidance.

STANDARD: To conduct an attack launched from the sea by naval and landing forces.

EVENT COMPONENTS:

1. Plan amphibious operations
2. Embark amphibious shipping
3. Conduct rehearsals
4. Move to AOR
5. Conduct action

RELATED EVENTS:

AAV-CSS-5501	AAV-AMPH-5601	AAV-AMPH-5602
AAV-AMPH-5606	AAV-AMPH-5604	AAV-AMPH-5605
AAV-AMPH-5603		

REFERENCES:

1. JCS PUB 3-02 Joint Doctrine for Amphibious Operations
2. MCDP 1-0 Marine Corps Operations, Sep 2001
3. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
L311 Signal, Illumination Ground Red Star	2 per crew
L312 Signal, Illumination Ground White St	2 per crew

RANGE/TRAINING AREA:

Facility Code 17411 Maneuver/Training Area, Amphibious Forces  
Facility Code 17420 Maneuver/Training Area, Heavy Forces

OTHER SUPPORT REQUIREMENTS: Amphibious shipping required to accomplish this task.

---

AAV-AMPH-6603: Conduct Surf Survival

SUPPORTED MET(S): 2

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given a Marine in open water with a life vest.

STANDARD: To swim to shore.

EVENT COMPONENTS:

1. Swim to surf zone.
2. Select landing point.
3. Navigate surf zone.

RELATED EVENTS:

AAV-AMPH-5602	AAV-AMPH-5603
AAV-AMPH-5604	AAV-AMPH-5605

REFERENCES:

1. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
2. MCRP 3-02 Survival
3. COMNAVSURFAC/COMNAVSURFLANT INSTRUCTION 3840.1B Joint Surf Manual.

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17411 Maneuver/Training Area, Amphibious Forces

---

AAV-TAC-6701: Support Mechanized Infantry Attack

SUPPORTED MET(S): 4

EVALUATION-CODED: NO                      SUSTAINMENT INTERVAL: 6 months

CONDITION: Given infantry unit, mission and commander's intent.

STANDARD: To seize enemy occupied position.

EVENT COMPONENTS:

1. Determine tentative dismount and link-up / remount points, and load / bump plan
2. Apply movement techniques depending upon the situation and terrain
3. Adhere to control measures
4. Submit combat reports when required
5. Conduct actions on the objective
6. Consolidate and reorganize on the objective
7. Conduct recovery and evacuation operations

RELATED EVENTS:

AAV-GNRY-5101	AAV-CSS-5503	AAV-AMPH-5602
AAV-TAC-5705	AAV-TAC-5701	AAV-TAC-5702
AAV-AMPH-5604		

REFERENCES:

1. FM 3-20.95 Cavalry Operations
2. FM 3-90.1 Tank and Mechanized Infantry Company Team
3. FMFM 6 Ground Combat Operations
4. FMFM 6-3 Marine Infantry Battalion
5. MCDP 1-0 Marine Corps Operations, Sep 2001
6. MCDP 1-3 Tactics
7. MCWP 3-1 Ground Combat Operations
8. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17411 Maneuver/Training Area, Amphibious Forces  
Facility Code 17420 Maneuver/Training Area, Heavy Forces

---

AAV-TAC-6702: Conduct a Road March

SUPPORTED MET(S): 4

EVALUATION-CODED: NO                      SUSTAINMENT INTERVAL: 6 months

CONDITION: Given higher headquarters' order and commander's guidance.

STANDARD: To relocate the unit.

EVENT COMPONENTS:

1. Conduct planning and coordination
2. Task organize

3. Conduct inspections and rehearsals
4. Conduct movement
5. Submit combat reports
6. Conduct debrief

RELATED EVENTS:

AAV-CSS-5501                      AAV-CSS-5503                      AAV-CSS-5502

REFERENCES:

1. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
2. MCWP 4-11.3 Transportation Operations

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17420 Maneuver/Training Area, Heavy  
Forces

---

AAV T&R MANUAL

Chapter 4

PLATOON LEVEL COLLECTIVE EVENTS

	PARAGRAPH	PAGE
PURPOSE. . . . .	4000	4-2
EVENT CODING . . . . .	4001	4-2
ADMINISTRATIVE NOTES . . . . .	4002	4-2
COLLECTIVE DESCRIPTION / CORE CAPABILITY . . . . .	4003	4-2
INDEX OF COLLECTIVE EVENTS . . . . .	4004	4-4
PLATOON LEVEL COLLECTIVE EVENTS. . . . .	4005	4-5

AAV T&R MANUAL

Chapter 4

PLATOON LEVEL COLLECTIVE EVENTS

**4000. PURPOSE.** This chapter contains all Platoon level Assault Amphibian unit events (5000 Level). Unit training managers can isolate all training relevant to platoons and devise training to support their competencies as needed.

**4001. EVENT CODING.** Events in the T&R Manual are depicted with a 12 field alphanumeric system, i.e. XXXX-XXXX-XXXX. This chapter utilizes the following methodology:

a. Field one - Each event starts with "AAV" indicating that the event is for units in the Assault Amphibian Occupational Field.

b. Field two - This field is alpha characters indicating a functional area. Functional areas used at the Platoon level are:

GNNRY - Gunnery	TAC - Tactical Operations
CBTS - Combat Support	CSS - Combat Service Support
AMPH - Amphibious Operations	

c. Field three - This field provides unit level at which the event is accomplished and numerical sequencing.

**4002. ADMINISTRATIVE NOTES.** Each Event may contain a paragraph that describes internal and external Support Requirements the unit and Marines will need to complete the event. Ranges / Training Areas are described in this section with plain-language description. They are also described using the Range / Facility Codes that identify the type of range and/or training area needed to accomplish the Event. Marines can use the codes to find information about available ranges at their geographic location by using the web-based Range / Training Area Management System (see TECOM website). Ultimate use of the Range / Training Area Code is to relate ranges to readiness by identifying those Events that cannot be accomplished at a certain location due to lack of ranges.

**4003. COLLECTIVE DESCRIPTION / CORE CAPABILITY**

1. **Assault Amphibian Platoon.** The mission of the AA platoon is to land the surface assault element of the landing force and their equipment in a single lift from assault shipping by amphibious operations to inland objectives, and to conduct mechanized operations and related combat support in subsequent operations ashore. The AA platoon consists of 12 AAVP7A1 and is organized into four (4) sections of three vehicles. The platoon is lead by the AA platoon commander who directly advises the infantry company commander on AAV employment.

- a. Provide fire support and maneuverability for supported unit.
- b. Conduct amphibious operations.
- c. Conduct mechanized operations.
- d. Conduct offensive operations.
- e. Conduct defensive operations.
- f. Employ AA platoon fires.
- g. Conduct operations in CBRN-E environment.

2. **Assault Amphibian Platoon, Mine Countermeasure.** The mission of Mine Countermeasure (MCM) platoon is to provide breaching capability to the breach commander. The AA MCM platoon is composed of 24 AAVP7A1s with crews, with 12 MK 1 Mod 0 Mine Clearance Systems organized into four sections. The MCM platoon is lead by the platoon commander who supports the breach commander.

- a. Conduct breaching operations.
- b. Conduct amphibious operations.
- c. Conduct mechanized operations.
- d. Conduct defensive operations.
- e. Employ AA MCM platoon fires.
- f. Conduct operations in CBRN-E environment.

4004. INDEX OF COLLECTIVE EVENTS

PLATOON LEVEL COLLECTIVE EVENTS			
AAV-GNRY-5101	Yes	Employ Platoon Fire and Maneuver	4-5
AAV-CBTS-5401		Support a Breach	4-6
AAV-CSS-5501		Provide Means for Tactical Logistics	4-7
AAV-CSS-5502		Conduct Recovery Operations	4-7
AAV-CSS-5503		Support Casualty Evacuation Operations	4-8
AAV-AMPH-5601		Prepare for Amphibious Operations	4-9
AAV-AMPH-5602	Yes	Support Amphibious Assault	4-10
AAV-AMPH-5603	Yes	Support Amphibious Raid	4-10
AAV-AMPH-5604	Yes	Support in Amphibious Demonstration	4-11
AAV-AMPH-5605	Yes	Support Amphibious Withdrawal	4-12
AAV-AMPH-5606		Support Non-Combatant Evacuation Operations	4-14
AAV-TAC-5701	Yes	Support a Mechanized Attack	4-15
AAV-TAC-5702		Support Movement to Contact	4-16
AAV-TAC-5703	Yes	Support Infantry Defense	4-16
AAV-TAC-5704		Support a Retrograde	4-17
AAV-TAC-5705	Yes	Support Urban Operations	4-18
AAV-TAC-5706		Support Riverine Operations	4-19
AAV-TAC-5707		Support River Crossing Operations	4-19

4005. PLATOON LEVEL COLLECTIVE EVENTS

AAV-GNRY-5101: Employ Platoon Fire and Maneuver

SUPPORTED MET (S): 4, 5.

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: The purpose of this task qualifies a platoon and its sections in platoon engagement skills of single and multiple engagement(s), from multiple firing positions to incorporate reloads.

CONDITION: Given an AAV platoon and targets.

STANDARD: To suppress and destroy targets.

EVENT COMPONENTS:

1. Maneuver platoon into position
2. Identify targets by threat
3. Issue fire command
4. Engage target
5. Control fires
6. Reassess threats

PREREQUISITE EVENTS:

1833-CMDC-1204	1833-CMDC-2208	1833-GNRY-2109
1833-GNRY-2108		

RELATED EVENTS:

1833-GNRY-1110	1833-GNRY-1111	1833-CMDC-1201
1833-CMDC-1202	1833-CMDC-2207	1833-GNRY-2107
1833-CMDC-2201	1833-CMDC-2202	1833-CMDC-1203

REFERENCES:

1. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
2. MCWP 3-15.1 Machine Guns and Machine Gun Gunnery

SUPPORT REQUIREMENTS:

WEAPONS AND ORDNANCE:

Weapon MK 19 40-mm Grenade Machine Gun	QTY
BA12 CTG, 40MM, LINKED, TP F/MK 19	96 per vehicle
Weapon M2 .50 cal Heavy Machine Gun	QTY
A576 CTG, CAL .50, API-T LINK, F/M2	200 per vehicle

RANGE/TRAINING AREA:

Facility Code 17722 Tank/Fighting Vehicle Multipurpose Range Complex

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: 1. Platoon will fire one dry fire and two iterations with increasing difficulty. 2. Ammunition is either TP or HE DP

and Ball or API-T (Only TP and Ball on Pop-up targets). 3. All targets are 400 - 1800m. 4. All steps can be performed in degraded gunnery (non-electric). 5. Live Fire and Maneuver area required (May not allow the use of HEDP).

---

AAV-CBTS-5401: Support a Breach

SUPPORTED MET (S): 3

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: In-stride, deliberate, amphibious and assault breaches are to be determined by mission and supported unit. Each type of breach demands same performance of crew; team and section in execution, differences lie only in time and environment obstacle is to be reduced or breached.

CONDITION: Given Mine Countermeasures Platoon, area of operations and higher's operations order.

STANDARD: To create six lanes that allows the maneuver forces freedom of movement.

EVENT COMPONENTS:

1. Identify type of breach
2. Determine physical environment
3. Apply breaching fundamentals SOSRR
4. Plan and task organize MCM assets
5. Conduct special planning

PREREQUISITE EVENTS:

1833-CBTS-2404                      1833-CBTS-2407

REFERENCES:

1. JCS PUB 3-02 Joint Doctrine for Amphibious Operations
2. JCS PUB 3-15 Joint Doctrine for Barriers, Obstacles and Mine Warfare
3. MCWP 3-17.3 MAGTF Breaching Operations

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
J143 Rocket Motor, 5-inch MK22 Mod 4	3 per vehicle
ML26 Charge, Demolition Inert Linear M69	3 per vehicle
ML25 Charge, Demolition Linear M59A1	3 per vehicle

RANGE/TRAINING AREA:

Facility Code 17411 Maneuver/Training Area, Amphibious Forces  
Facility Code 17820 Engineer Qualification Range, Non-Standardized

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: 1. DODIC ML 25 demolition linear charge can only be detonated on designated ranges.

---

AAV-CSS-5501: Provide Means for Tactical Logistics

SUPPORTED MET(S): 2, 4, 5

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

CONDITION: Given a logistic requirement and higher headquarters' mission.

STANDARD: To lift supplies and equipment.

EVENT COMPONENTS:

1. Task organize
2. Identify load and lift requirements
3. Load according to priority

PREREQUISITE EVENTS: 1833-CMDC-1204

RELATED EVENTS:

1833-CMDC-1202                      1833-CMDC-1203                      1833-CMDC-2208  
1833-CMDC-2207                      1833-CMDC-2202

REFERENCES:

1. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17420 Maneuver/Training Area, Heavy Forces

---

AAV-CSS-5502: Conduct Recovery Operations

SUPPORTED MET(S): 2, 4, 5

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

CONDITION: Given a platoon with a disabled AAV.

STANDARD: To return the material to operation or take it to a collection point for repair, evacuation or disposal.

EVENT COMPONENTS:

1. Task organize platoon
2. Vehicle commanders provide condition, location and circumstances of damage
3. Conduct assessment and dispatch recovery team
4. Recover or repair equipment
5. Destroy or render ineffective all equipment, sensitive items and weapons when vehicle is determined unsalvageable
6. Provide updates to higher headquarters

PREREQUISITE EVENTS:

1833-VOPS-1309                      1833-VOPS-2305

RELATED EVENTS:

1833-CMDC-1203	1833-CMDC-1204	1833-VOPS-2306
1833-CMDC-2202	1833-AMPH-1604	

REFERENCES:

1. MCRP 4-11.4A Battle Damage Assessment and Repair
2. MCRP 4-24A Vehicle Recovery Operations
3. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
4. MCWP 4-11 Tactical Level Logistics
5. MCWP 4-11.4 Maintenance Operations
6. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17420 Maneuver/Training Area, Heavy Forces

---

AAV-CSS-5503: Support Casualty Evacuation Operations

SUPPORTED MET(S): 2, 4, 5

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

DESCRIPTION: This task is designed to train the platoon in using the AAV as an ambulance equipped with the litter kit.

CONDITION: Given injured personnel.

STANDARD: To move a casualty from the battle-space or sight of injury to a facility that can provide the necessary treatment capability.

EVENT COMPONENTS:

1. Local unit provides security at CCP
2. Maneuver to CCP
3. Corpsman stabilizes and prioritize casualty
4. Transfer to next higher collection points, MedEvac Landing Zone, or amphibious shipping

RELATED EVENTS:

1833-CMDC-1201	1833-CMDC-1202	1833-CMDC-2207
1833-VOPS-1313	1833-CMDC-2201	1833-CMDC-1203

REFERENCES:

1. MCRP 3-02G First Aid
2. MCRP 4-11.1G Patient Movement
3. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
4. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17420 Maneuver/Training Area, Heavy Forces

---

AAV-AMPH-5601: Prepare for Amphibious Operations

SUPPORTED MET(S): 2

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

CONDITION: Given an operation order or warning order.

STANDARD: To produce documents coordinating lift assets with assault element's mission.

EVENT COMPONENTS:

1. Conduct planning necessary for embarkation / debarkation, movement and rehearsals
2. Develop the personnel embarkation / load plan, to include bump plan
3. Compile manifests and submit manifests to higher as required

PREREQUISITE EVENTS:

1833-AMPH-2602 1833-CMDC-2208

RELATED EVENTS:

1833-CMDC-1202	1833-CMDC-1204	1833-VOPS-1302
1833-VOPS-1308	1833-VOPS-1310	1833-AMPH-1601
1833-AMPH-2601	1833-AMPH-1603	1833-AMPH-1605
1833-CMDC-2201	1833-CMDC-2202	1833-CMDC-2203
1833-CMDC-2207	1833-AMPH-1602	

REFERENCES:

1. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
2. MCWP 3-31.3 Surf Zone Operations
3. MCWP 3-31.5 Ship-to-Shore Movement
4. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
L311 Signal, Illumination Ground Red Star	2 per crew
L312 Signal, Illumination Ground White St	2 per crew

RANGE/TRAINING AREA: Facility Code 17411 Maneuver/Training Area, Amphibious Forces

---

RELATED EVENTS:

1833-CMDC-1203	1833-CMDC-1204	1833-VOPS-2306
1833-CMDC-2202	1833-AMPR-1604	

REFERENCES:

1. MCRP 4-11.4A Battle Damage Assessment and Repair
2. MCRP 4-24A Vehicle Recovery Operations
3. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
4. MCWP 4-11 Tactical Level Logistics
5. MCWP 4-11.4 Maintenance Operations
6. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17420 Maneuver/Training Area, Heavy Forces

---

AAV-CSS-5503: Support Casualty Evacuation Operations

SUPPORTED MET(S): 2, 4, 5

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

DESCRIPTION: This task is designed to train the platoon in using the AAV as an ambulance equipped with the litter kit.

CONDITION: Given injured personnel.

STANDARD: To move a casualty from the battle-space or sight of injury to a facility that can provide the necessary treatment capability.

EVENT COMPONENTS:

1. Local unit provides security at CCP
2. Maneuver to CCP
3. Corpsman stabilizes and prioritize casualty
4. Transfer to next higher collection points, MedEvac Landing Zone, or amphibious shipping

RELATED EVENTS:

1833-CMDC-1201	1833-CMDC-1202	1833-CMDC-2207
1833-VOPS-1313	1833-CMDC-2201	1833-CMDC-1203

REFERENCES:

1. MCRP 3-02G First Aid
2. MCRP 4-11.1G Patient Movement
3. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
4. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17420 Maneuver/Training Area, Heavy Forces

---

AAV-AMPH-5601: Prepare for Amphibious Operations

SUPPORTED MET(S): 2

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given an operation order or warning order.

STANDARD: To produce documents coordinating lift assets with assault element's mission.

EVENT COMPONENTS:

1. Conduct planning necessary for embarkation / debarkation, movement and rehearsals
2. Develop the personnel embarkation / load plan, to include bump plan
3. Compile manifests and submit manifests to higher as required

PREREQUISITE EVENTS:

1833-AMPH-2602                      1833-CMDC-2208

RELATED EVENTS:

1833-CMDC-1202	1833-CMDC-1204	1833-VOPS-1302
1833-VOPS-1308	1833-VOPS-1310	1833-AMPH-1601
1833-AMPH-2601	1833-AMPH-1603	1833-AMPH-1605
1833-CMDC-2201	1833-CMDC-2202	1833-CMDC-2203
1833-CMDC-2207	1833-AMPH-1602	

REFERENCES:

1. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
2. MCWP 3-31.3 Surf Zone Operations
3. MCWP 3-31.5 Ship-to-Shore Movement
4. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
L311 Signal, Illumination Ground Red Star	2 per crew
L312 Signal, Illumination Ground White St	2 per crew

RANGE/TRAINING AREA: Facility Code 17411 Maneuver/Training Area, Amphibious Forces

---

AAV-AMPH-5602: Support Amphibious Assault

SUPPORTED MET(S): 2

EVALUATION-CODED: YES SUSTAINMENT INTERVAL: 6 months

CONDITION: Given an embarked unit, a mission, and commander's intent.

STANDARD: To land the surface assault elements and conduct operations ashore.

EVENT COMPONENTS:

1. Conduct ship-to-objective maneuver
2. Conduct actions on the objective

PREREQUISITE EVENTS:

1833-CMDC-1204	1833-VOPS-1302	1833-AMPH-1601
1833-VOPS-2302	1833-CMDC-2203	1833-CMDC-2208
1833-AMPH-1603		

CHAINED EVENTS:

AAV-AMPH-5601                      AAV-GNRY-5101

RELATED EVENTS:

1833-GNRY-1111	1833-CMDC-1201	1833-CMDC-1202
1833-CMDC-1203	1833-VOPS-1308	1833-GNRY-1110
1833-CMDC-2207	1833-AMPH-1602	1833-GNRY-2107
1833-GNRY-2108	1833-GNRY-2109	1833-CMDC-2201
1833-CMDC-2202	1833-VOPS-1310	

REFERENCES:

1. FMFM 6-4 Marine Rifle Company/Platoon
2. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
3. MCWP 3-31.5 Ship-to-Shore Movement
4. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
L312 Signal, Illumination Ground White St	2 per crew
L311 Signal, Illumination Ground Red Star	2 per crew

RANGE/TRAINING AREA:

Facility Code 17411 Maneuver/Training Area, Amphibious Forces  
Facility Code 17420 Maneuver/Training Area, Heavy Forces

EQUIPMENT: Amphibious shipping required to accomplish this task.

---

AAV-AMPH-5603: Support Amphibious Raid

SUPPORTED MET(S): 2

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 6 months

CONDITION: Given higher headquarters order and commander's guidance.

STANDARD: To make a swift incursion into or temporary occupation of an objective followed by a planned withdrawal.

EVENT COMPONENTS:

1. Task organize for the raid
2. Conduct ship to objective maneuver
3. Maneuver security element into designated positions
4. Maneuver support element to over-watch position
5. Maneuver assault element to designated assault position
6. Execute planned withdrawal

PREREQUISITE EVENTS:

1833-CMDC-1204	1833-VOPS-1302	1833-AMPH-1601
1833-VOPS-2302	1833-CMDC-2203	1833-CMDC-2208
1833-AMPH-1603		

CHAINED EVENTS:

1833-AMPH-1602	AAV-GNRY-5101	AAV-AMPH-5602
AAV-AMPH-5601	AAV-CSS-5503	

RELATED EVENTS:

1833-GNRY-1111	1833-CMDC-1201	1833-CMDC-1202
1833-CMDC-1203	1833-VOPS-1308	1833-VOPS-1310
1833-GNRY-1110	1833-GNRY-2108	1833-GNRY-2109
1833-CMDC-2201	1833-CMDC-2202	1833-CMDC-2207
1833-GNRY-2107		

REFERENCES:

1. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
2. MCWP 3-31.3 Surf Zone Operations
3. MCWP 3-31.5 Ship-to-Shore Movement

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
L311 Signal, Illumination Ground Red Star	2 per crew
L312 Signal, Illumination Ground White St	2 per crew

RANGE/TRAINING AREA:

Facility Code 17411 Maneuver/Training Area, Amphibious Forces  
Facility Code 17420 Maneuver/Training Area, Heavy Forces

EQUIPMENT: Amphibious shipping required to accomplish this task.

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: 1. Ensure personnel accountability prior to withdrawal.

AAV-AMPH-5604: Support an Amphibious Demonstration

SUPPORTED MET(S): 2

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 6 months

CONDITION: Given higher headquarters operation order and commander's guidance.

STANDARD: To deceive the enemy by a show of force deluding the enemy into taking an unfavorable course of action.

EVENT COMPONENTS:

1. Launch from amphibious shipping
2. Maneuver AAVs into required tactical wave formations
3. Conduct turn away
4. Re-embark amphibious shipping

PREREQUISITE EVENTS:

1833-CMDC-1204	1833-VOPS-1302	1833-AMPH-1601
1833-VOPS-2302	1833-AMPH-1603	1833-CMDC-2203
1833-CMDC-2208	1833-AMPH-1602	

CHAINED EVENTS:

AAV-AMPH-5601	AAV-AMPH-5603	AAV-AMPH-5602
---------------	---------------	---------------

RELATED EVENTS:

1833-CMDC-1201	1833-CMDC-1202	1833-CMDC-1203
1833-AMPH-2602	1833-CMDC-2201	1833-CMDC-2202
1833-CMDC-2207	1833-VOPS-1310	

REFERENCES:

1. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
2. MCWP 3-31.3 Surf Zone Operations
3. MCWP 3-31.5 Ship-to-Shore Movement

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
L312 Signal, Illumination Ground White St	2 per crew
L311 Signal, Illumination Ground Red Star	2 per crew

RANGE/TRAINING AREA: Facility Code 17411 Maneuver/Training Area, Amphibious Forces

EQUIPMENT: Amphibious shipping required to accomplish this task.

---

AAV-AMPH-5605: Support an Amphibious Withdrawal

SUPPORTED MET(S): 2

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 6 months

CONDITION: Given higher headquarters operation order and commander's guidance.

STANDARD: To extract forces by sea in naval ships or craft from a hostile or potentially hostile shore.

EVENT COMPONENTS:

1. Initiate withdrawal
2. Exploit opportunities to inflict casualties by offensive action
3. Consider counterattacks to gain additional time
4. Occupy assembly areas for the briefest possible period
5. Give priority for withdrawal
6. Withdraw to amphibious shipping

PREREQUISITE EVENTS:

1803-AMPH-1601	1803-AMPH-1603	1833-AMPH-2602
1833-VOPS-2302	1833-CMDC-2203	

CHAINED EVENTS:

AAV-AMPH-5604	AAV-AMPH-5601
---------------	---------------

RELATED EVENTS:

1833-GNRY-1110	AAV-GNRY-5101	1833-CMDC-1201
1833-CMDC-1202	1833-CMDC-1203	1833-VOPS-1310
1833-AMPH-1602	1833-AMPH-1605	1833-GNRY-2107
1833-GNRY-2108	1833-GNRY-2109	1833-CMDC-2201
1833-CMDC-2207	1833-CMDC-2208	1833-GNRY-1111

REFERENCES:

1. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
2. MCWP 3-31.3 Surf Zone Operations
3. MCWP 3-31.5 Ship-to-Shore Movement

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC	Quantity
L312 Signal, Illumination Ground White St	2 per crew
L311 Signal, Illumination Ground Red Star	2 per crew

RANGE/TRAINING AREA:

Facility Code 17411 Maneuver/Training Area, Amphibious Forces  
Facility Code 17420 Maneuver/Training Area, Heavy Forces

EQUIPMENT: Amphibious shipping required to accomplish this task.

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Event scenario includes opposition forces that introduce friction and require the unit to make adjustments throughout the withdrawal.

---

AAV-AMPH-5606: Support Non-combatant Evacuation Operations

SUPPORTED MET (S): 2

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

CONDITION: Given higher headquarters operation order and commander's guidance.

STANDARD: To evacuate identified personnel to amphibious shipping or other safe haven.

EVENT COMPONENTS:

1. Task organize
2. Draw and issue specialized equipment
3. Conduct ship-to-objective / evacuation site movement
4. Conduct security operations
5. React to public disturbance, enemy action, or reports of evacuees at other locations
6. Conduct retrograde

PREREQUISITE EVENTS:

1833-VOPS-1302 1833-AMPH-2601

CHAINED EVENTS:

AAV-AMPH-5603 AAV-CSS-5503

RELATED EVENTS:

1833-GNRY-1110	AAV-AMPH-5601	1833-CMDC-1201
1833-CMDC-1202	1833-CMDC-1203	1833-AMPH-1603
1833-GNRY-2107	1833-GNRY-2108	1833-GNRY-2109
1833-CMDC-2201	1833-CMDC-2202	1833-CMDC-2207
1833-CMDC-2208	AAV-GNRY-5101	1833-GNRY-1111

REFERENCES:

1. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
2. MCWP 3-31.3 Surf Zone Operations
3. MCWP 3-31.5 Ship-to-Shore Movement

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
L312 Signal, Illumination Ground White St	2 per crew
L311 Signal, Illumination Ground Red Star	2 per crew

RANGE/TRAINING AREA:

Facility Code 17411 Maneuver/Training Area, Amphibious Forces  
Facility Code 17420 Maneuver/Training Area, Heavy Forces  
Facility Code 17962 MOUT Collective Training Facility (Small)

EQUIPMENT: Amphibious shipping required to accomplish this task.

UNITS/PERSONNEL: 1. Role players (Evacuees) 2. Opposing forces

AAV-TAC-5701: Support a Mechanized Attack

SUPPORTED MET(S): 4

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given infantry unit, mission and commander's intent.

STANDARD: To seize the enemy occupied position.

EVENT COMPONENTS:

1. Conduct planning, inspections, rehearsals and preparations
2. Determine load / bump plan
3. Assist in development of scheme of maneuver to deliver infantry to the pre-determined dismount points, and support their assault by fires
4. Develop means of communication between dismounted unit and supporting mechanized assets
5. Apply movement techniques and formations depending upon enemy situation and terrain
6. Perform danger area crossing
7. Conduct planning, inspections, rehearsals and preparations
8. Conduct passage of lines
9. Determine load / bump plan
10. Assist in development of scheme of maneuver to deliver infantry to the pre-determined dismount points and support their assault by fires
11. Develop means of communication between dismounted unit and supporting mechanized assets
12. Conduct passage of lines
13. Apply movement techniques and formations depending upon enemy situation and terrain
14. Perform danger area crossing
15. Conduct dismount, link-up and remount procedures
16. Dismount / employ infantry to support / protect vehicles when required by situation and terrain
17. Employ mechanized battle drills as required

CHAINED EVENTS: AAV-GNRY-5101

RELATED EVENTS:

1833-GNRY-1111	AAV-CSS-5503	1833-GNRY-1110
1833-CMDC-1202	1833-CMDC-1203	1833-VOPS-1310
1833-GNRY-2107	1833-GNRY-2108	1833-GNRY-2109
1833-CMDC-2201	1833-CMDC-2202	1833-CMDC-2205
1833-CMDC-2207	1833-CMDC-2208	1833-CMDC-1201

REFERENCES:

1. FM 3-20.95 Cavalry Operations
2. FMFM 6-4 Marine Rifle Company/Platoon
3. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17420 Maneuver/Training Area, Heavy Forces  
Facility Code 17722 Tank/Fighting Vehicle Multipurpose Range Complex

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: 1. Mechanized attacks can include the following Special Purpose Attacks: Raid, Spoiling, Feint, Counter-attack and demonstration. 2. Platoon can assume any of the following roles: assault force or support force.

---

AAV-TAC-5702: Support Movement to Contact

SUPPORTED MET(S): 4

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

CONDITION: Given mission and commander's intent.

STANDARD: To destroy, fix or bypass with an enemy force.

EVENT COMPONENTS:

1. Task organize
2. Apply movement techniques
3. Adhere to control measures
4. Gain / regain contact
5. Submit combat reports

RELATED EVENTS:

1833-GNRY-1110	AAV-TAC-5701	1833-CMDC-1201
1833-CMDC-1202	1833-CMDC-1203	1833-VOPS-1310
1833-GNRY-2107	1833-GNRY-2108	1833-GNRY-2109
1833-CMDC-2201	1833-CMDC-2202	1833-CMDC-2205
1833-CMDC-2207	1833-CMDC-2208	AAV-GNRY-5101
1833-GNRY-1111		

REFERENCES:

1. FM 3-90.2 Tank and Mechanized Infantry Battalion Task Force

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17730 Fire and Movement Range  
Facility Code 17581 Machine Gun Field Fire Range

---

AAV-TAC-5703: Support Infantry Defense

SUPPORTED MET(S): 5

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given a mission and commander's intent.

STANDARD: To defeat an enemy attack.

EVENT COMPONENTS:

1. Task organize
2. Conduct planning, preparation and inspections
3. Identify and mark primary, alternate and supplementary positions
4. Occupy battle position
5. Produce, receive and forward fire plan sketches and range cards
6. Adhere to communications and signals plan
7. Establish and rehearse final protective fires, counterattack plan and defensive battle drills
8. Establish alert postures
9. Time permitting, refine and entrench positions
10. Conduct continuing actions
11. Submit combat reports

RELATED EVENTS:

1833-GNRY-1109	AAV-CSS-5501	1833-GNRY-1111
1833-CMDC-1201	1833-CMDC-1202	1833-CMDC-1203
1833-TAC-1701	1833-GNRY-2105	1833-GNRY-2106
1833-GNRY-2107	1833-GNRY-2108	1833-CMDC-2201
1833-CMDC-2202	1833-CMDC-2207	1833-CMDC-2208
1833-GNRY-1110		

REFERENCES:

1. FM 3-90.1 Tank and Mechanized Infantry Company Team
2. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17420 Maneuver/Training Area, Heavy Forces  
Facility Code 17721 Tank/Fighting Vehicle Multipurpose Range Complex

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Component events apply to Mobile, Area and Position defenses.

---

AAV-TAC-5704: Support a Retrograde

SUPPORTED MET(S): 5

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given a mission and commander's intent,

STANDARD: to gain time, preserve forces, avoid contact under undesirable conditions, or maneuver the enemy into an unfavorable position.

EVENT COMPONENTS:

1. Identify type of retrograde
2. Plan for alternate or successive delaying actions
3. Plan for withdrawal based on time, event or signal
4. Establish tactical control measures

5. Withdraw forward units simultaneously, or the least engaged unit first
6. Submit combat reports
7. Use deception to mask the withdrawal

RELATED EVENTS:

1833-GNRY-1110	1833-GNRY-1111	1833-CMDC-1201
1833-CMDC-1202	1833-CMDC-1203	AAV-GNRY-5101
1833-GNRY-2108	1833-GNRY-2109	1833-CMDC-2202
1833-CMDC-2207	1833-CMDC-2208	1833-GNRY-2107

REFERENCES:

1. FM 3-90.3 Mounted Brigade Combat Team
2. FMFM 6-4 Marine Rifle Company/Platoon
3. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17420 Maneuver/Training Area, Heavy Forces

---

AAV-TAC-5705: Support Urban Operations

SUPPORTED MET(S): 4, 5

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 6 months

CONDITION: Given a mission and commander's guidance.

STANDARD: To seize or occupy built up areas.

EVENT COMPONENTS:

1. Task organize
2. Identify adjacent unit boundaries
3. Adhere to urban specific factors and restrictions (airspace, super-surface, intra-surface, surface and subsurface)
4. Identify key terrain labeling (Urban Area Reference System)
5. Establish target precedence, consider effects for all weapon systems and assess potential collateral damage
6. Isolate the objective
7. Support actions on the objective
8. Consolidate and reorganize
9. Submit combat reports

RELATED EVENTS:

1833-GNRY-1110	AAV-TAC-5703	1833-CMDC-1201
1833-CMDC-1202	1833-CMDC-1203	1833-VOPS-1310
1833-GNRY-2105	1833-GNRY-2107	1833-GNRY-2108
1833-GNRY-2109	1833-CMDC-2201	1833-CMDC-2202
1833-CMDC-2207	1833-CMDC-2208	1833-TAC-2701
AAV-AMPH-5606	AAV-TAC-5701	AAV-TAC-5702
1833-GNRY-1111		

REFERENCES:

1. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
2. MCWP 3-35.3 Military Operations on Urbanized Terrain (MOU)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17962 MOU Collective Training Facility (Small)

---

AAV-TAC-5706: Support Riverine Operations

SUPPORTED MET(S): 4

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given higher headquarters operation order and commander's guidance.

STANDARD: To prevent an opposing force from using the river.

EVENT COMPONENTS:

1. Determine environmental factors
2. Determine type of operation
3. Task organize unit
4. Execute mission

PREREQUISITE EVENTS:

1833-CMDC-2203      1833-AMPH-1601

CHAINED EVENTS: 1833-AMPH-1603

RELATED EVENTS:

1833-CMDC-1201	1833-CMDC-1202	1833-CMDC-1203
1833-CMDC-2201	AAV-TAC-5701	1833-CMDC-2205
1833-CMDC-2207	1833-CMDC-2208	1833-TAC-2701
1833-CMDC-2202		

REFERENCES:

1. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
2. MCWP 3-35.4 Doctrine for Navy/Marine Corps Joint Riverine Operations

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17420 Maneuver/Training Area, Heavy Forces  
Facility Code 17921 Armored Vehicle Launch Bridge, Raft, And Ford Area

---

AAV-TAC-5707: Support River Crossing Operations

SUPPORTED MET(S): 4

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given higher headquarters operation order and commander's guidance.

STANDARD: To cross a water obstacle.

EVENT COMPONENTS:

1. Conduct terrain analysis
2. Determine type of crossing
3. Advance to the river
4. Assault across the river
5. Advance from the exit bank
6. Secure the Bridgehead Line

PREREQUISITE EVENTS:

1833-AMPH-1601                      1833-CMDC-2203

CHAINED EVENTS: 1833-AMPH-1603

RELATED EVENTS:

1833-CMDC-1201	1833-CMDC-1202	1833-CMDC-1203
1833-CMDC-2201	1833-CMDC-2202	AAV-TAC-5706
1833-CMDC-2207	1833-CMDC-2208	1833-TAC-2701
AAV-TAC-5701	1833-CMDC-2205	

REFERENCES:

1. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
2. MCWP 3-17.1 River-Crossing Operations

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17922 Floating Bridge Site  
Facility Code 17420 Maneuver/Training Area, Heavy Forces  
Facility Code 17921 Armored Vehicle Launch Bridge, Raft, And Ford Area

---

AAV T&R MANUAL

CHAPTER 5

SECTION & CREW COLLECTIVE EVENTS

	PARAGRAPH	PAGE
PURPOSE . . . . .	5000	5-2
EVENT CODING . . . . .	5001	5-2
ADMINISTRATIVE NOTES . . . . .	5002	5-2
COLLECTIVE DESCRIPTION/CORE CAPABILITY . . . . .	5003	5-2
INDEX OF COLLECTIVE EVENTS . . . . .	5004	5-5
SECTION LEVEL COLLECTIVE EVENTS . . . . .	5005	5-6
CREW LEVEL COLLECTIVE EVETNS . . . . .	5006	5-17

AAV T&R MANUAL

CHAPTER 5

SECTION & CREW COLLECTIVE EVENTS

**5000. PURPOSE.** This chapter contains all Section and Crew level Assault Amphibian unit events (4000 and 3000-Levels). Unit training managers can isolate all training relevant to sections and crews and devise training to support their competencies as needed.

**5001. EVENT CODING.** Events in the T&R Manual are depicted with a 12 field alphanumeric system, i.e. XXXX-XXXX-XXXX. This chapter utilizes the following methodology:

a. Field one - Each event starts with "AAV" indicating that the event is for units in the Assault Amphibian Occupational Field.

b. Field two - This field is alpha characters indicating a functional area. Functional areas used at the Section and Crew level are:

GNNRY - Gunnery	CMDC - Command and Control
VOPS - Vehicle Operations	CBTS - Combat Support
CSS - Combat Service Support	AMPH - Amphibious Operations
TAC - Tactical Operations	

c. Field three - This field provides unit level at which the event is accomplished and numerical sequencing.

**5002. ADMINISTRATIVE NOTES.** Each Event may contain a paragraph that describes internal and external Support Requirements the unit and Marines will need to complete the event. Ranges/Training Areas are described in this section with plain-language description. They are also described using the Range/Facility Codes that identify the type of range and/or training area needed to accomplish the Event. Marines can use the codes to find information about available ranges at their geographic location by using the web-based Range/Training Area Management System (see TECOM website). Ultimate use of the Range/Training Area Code is to relate ranges to readiness by identifying those Events that cannot be accomplished at a certain location due to lack of ranges.

**5003. COLLECTIVE DESCRIPTION/CORE CAPABILITY**

**1. Assault Amphibian Section.** The mission of the Assault Amphibian (AA) section is to provide combat support to the infantry rifle platoon. The AA section consists of three AAV crews and is led by the AA section leader. He exercises tactical control of his AAVs under the command of the AA platoon commander. Additionally, an AA section may be utilized for supporting units such as the 81mm mortar platoon or an engineer platoon.

a. Provide fire support and maneuverability for supported unit.

- b. Conduct amphibious operations.
- c. Conduct mechanized operations.
- d. Conduct offensive operations.
- e. Conduct defensive operations.
- f. Employ AA section fires.
- g. Operate in an NBC environment.

2. **Assault Amphibian Section, Command.** The mission of the AA command section is to provide battalion and regimental level staffs with a mechanized command center. The AA command section also provides mutual support for the AAVC7A1 with a secondary vehicle for security and logistical support. The AA command section consists of AAVP7A1 and AAVC7A1 vehicles.

- a. Establish AAVC7A1 as command post.
- b. Conduct amphibious operations.
- c. Conduct mechanized operations.
- d. Conduct defensive operations.
- e. Operate in an NBC environment.
- f. Employ AA command section fires.

3. **Assault Amphibian Section, Mine Countermeasure Platoon.** The mission of the AA Mine Countermeasure Section (MCM) is to provide breaching capability to the breach commander. The AA MCM section consists of four AAVP7A1 vehicles with crews broken into two teams. The MCM section is lead by the AA MCM section leader.

- a. Conduct breaching operations.
- b. Conduct amphibious operations.
- c. Conduct mechanized operations.
- d. Conduct defensive operations.
- e. Operate in an NBC environment.
- f. Employ AA section fires.

4. **AAV Crew, AAVP7A1.** The mission of the AAVP7A1 crew is to support the reinforced infantry squad within the mission of the AA section. The AAV crew is comprised of three personnel: the vehicle crew chief and two crewmen. The AAV crew operates the AAVP7A1. The crew is lead by the vehicle crew chief and operates under the direction of the AA section leader.

- a. Operate the AAV on land and in water with vehicles in section.
- b. Transport embarked personnel and cargo.
- c. Employ the Uppgunned Weapons Station.
- d. Perform PMCS on vehicle.
- e. Operate in an CBRN-E environment.

5. AAV Crew, AAVC7A1. The mission of the AAVC7A1 crew is to support the battalion and regimental level headquarters as a mechanized command echelon / fire support coordination center. The AAVC7A1 intercommunications assets provide the embarked troop commander and his staff with the capability to communicate with each other and to remotely operate radio assets from staff positions within the vehicle. The AAVC7A1 weapon is primarily for self-defense. The AAVC7A1 crew is comprised of three personnel: the vehicle crew chief and two crewmen, and is augmented by a communication technician Marine. The crew is lead by the crew chief and operates under the direction of the AA command section leader.

- a. Operate the AAVC7A1 on land and in water with vehicles in section.
- b. Operate the AAVC7A1 communications equipment.
- c. Employ the M240\_ medium machine gun.
- d. Perform PMCS on vehicle.
- e. Perform PMCS on communications equipment.
- f. Operate in a CBRN-E environment.

6. AAV Crew, MK 1 Mod 0 Mine Clearance System. The mission of the AAVP7A1, with MK 154 LMC Mod 0 kit, crew is to provide breaching capability for the AA Mine countermeasure (MCM) Section. The AAV crew operates the Mk 1 Mod 0 Mine Clearance System. The crew is comprised of three personnel: the vehicle crew chief and two crewmen. The crew is lead by the vehicle crew chief and operates under the direction of the AA MCM section leader.

- a. Operate the AAV on land and in water with vehicles in section.
- b. Employ the MK 1 Mod 0 Mine Clearance System.
- c. Employ the Uppgunned Weapons Station.
- d. Perform PMCS on vehicle.
- e. Perform PMCS on MK-154 LMC Mod 0 equipment.
- F. Operate in an CBRN-E environment.

5004. INDEX OF COLLECTIVE EVENTS

SECTION LEVEL COLLECTIVE EVENTS			
Event Code	Eval Code	Event	Page
AAV-GNRY-4101	Yes	Employ Section Fire and Maneuver	5-6
AAV-CMDC-4205	Yes	Support Command Section Operations	5-7
AAV-CBTS-4401	Yes	Support Section Breach	5-7
AAV-CBTS-4402	Yes	Support Team Breach	5-8
AAV-CBTS-4403		Determine Deployment Options of Mk 1 Mod 0	5-9
AAV-CSS-4502		Conduct Recovery Operations	5-10
AAV-AMPH-4601	Yes	Conduct Waterborne Operations	5-10
AAV-AMPH-4602	Yes	Conduct Evacuation of Personnel from Disabled / Sinking AAV	5-11
AAV-AMPH-4603		Recover Disabled AAV in the Water	5-12
AAV-TAC-4701	Yes	Support the Assault Element	5-13
AAV-TAC-4702		Support the Support Element	5-14
AAV-TAC-4703	Yes	Support Infantry Defense	5-15
AAV-TAC-4704		Support a Retrograde	5-16
CREW LEVEL COLLECTIVE EVENTS			
AAV-GNRY-3101	Yes	Engage Stationary Targets	5-17
AAV-GNRY-3102	Yes	Engage Moving Targets	5-18
AAV-CMDC-3205		Conduct Communications	5-19
AAV-VOPS-3301		Conduct Demolition	5-20
AAV-CBTS-3401		Install Mk 154 Launcher Mine Clearance	5-20
AAV-CBTS-3402		Load Ordnance	5-21
AAV-CBTS-3403	Yes	Deploy Mk 1 Mod 0 Mine Clearance System	5-21
AAV-CBTS-3404		Offload Ordnance	5-22
AAV-CBTS-3405		Remove Mk 154 Launcher Mine Clearance	5-23
AAV-AMPH-3601	Yes	Employ Assault Amphibious Vehicle in Water	5-23
AAV-AMPH-3602		Embark / Debark Assault Amphibious Vehicle	5-24
AAV-AMPH-3603	Yes	Conduct Vehicle Emergency Procedures Afloat	5-25
AAV-AMPH-3604	Yes	Egress the AAV	5-26
AAV-TAC-3701	Yes	Employ Amphibious Assault Vehicle on Land	5-26

5005. SECTION LEVEL COLLECTIVE EVENTS

AAV-GNRY-4101: Employ Section Fire and Movement

SUPPORTED MET(S): 3, 4, 5

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: The purpose of this task qualifies a section and its crews in section engagement skills of single and multiple target(s), from multiple firing positions, incorporating reloads.

CONDITION: Given an AAV section and targets.

STANDARD: To suppress and destroy targets.

EVENT COMPONENTS:

1. Maneuver section into position
2. Identify targets by threat
3. Issue fire command
4. Engage target
5. Control fires
6. Reassess threats

PREREQUISITE EVENTS:

1833-GNRY-1101	1833-GNRY-2107	1833-GNRY-1103
1833-GNRY-1104	1833-GNRY-1105	1833-GNRY-1106
1833-GNRY-1107	1833-GNRY-1108	1833-GNRY-1109
1833-GNRY-1110	1833-GNRY-1111	1833-GNRY-1112
1833-GNRY-1113	1833-GNRY-2101	1833-GNRY-2103
1833-GNRY-2104	1833-GNRY-1102	

CHAINED EVENTS: 1833-GNRY-2109

RELATED EVENTS:

1833-CMDC-1201	1833-CMDC-1202	1833-CMDC-1203
1833-GNRY-2102	1833-GNRY-2107	1833-TAC-2701
1833-CMDC-2201	1833-CMDC-2202	1833-CMDC-2207
1833-CMDC-2208	1833-GNRY-2108	

REFERENCES:

1. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
2. MCWP 3-15.1 Machine Guns and Machine Gun Gunnery

SUPPORT REQUIREMENTS:

WEAPONS AND ORDNANCE:

Weapon	MK 19 40-mm Grenade Machine Gun	<u>QTY</u>
	BA12 Cartridge, 40mm Practice MK 281 Mod	144 per vehicle
Weapon	M2 .50 cal Heavy Machine Gun	<u>QTY</u>
	A576 Cartridge, Caliber .50 Ball M33 Link	300 per vehicle

RANGE/TRAINING AREA: Facility Code 17430 Impact Area Dudded

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: 1. Sections will fire one dry fire and two iterations with increasing difficulty on stationary and moving targets. 2. Ammunition is only TP and Ball, moving targets are Pop-ups. 3. All targets are 600 - 1800m. 4. All steps can be performed in degraded gunnery (non-electric). 5. Every effort should be made to practice on a simulator prior to live fire. 6. Not all range facilities have moving targets that can be fired upon with 40mm TP. The TP may be omitted. 7. Master or Non-master evaluation.

---

AAV-CMDC-4205: Support Command Section Operations

SUPPORTED MET(S): 6

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 6 months

CONDITION: Given higher headquarters staff.

STANDARD: To provide mechanized combat operations center.

EVENT COMPONENTS:

1. Assist in establishing mobile COC
2. Task organize AAVC7 and AAVP7
3. Advise supported unit on command section employment
4. Employ medium and heavy machineguns
5. Assist supported unit with MSQ 115 system

PREREQUISITE EVENTS:

1833-CMDC-2208                      1833-CMDC-2204

RELATED EVENTS:

1833-GNRY-1111	1833-CMDC-1201	1833-CMDC-1202
1833-CMDC-1203	1833-CMDC-2202	1833-TAC-1701
1833-GNRY-2108	1833-GNRY-2111	1833-CMDC-2201
1833-VOPS-1312		

REFERENCES:

1. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
2. TM 08463A-10 Command Communications System, Assault Amphibious Vehicle, Command, Model 7A1 (AAVC7A1)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17420 Maneuver/Training Area, Heavy Forces

---

AAV-CBTS-4401: Support a Section Breach

SUPPORTED MET(S): 3

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given Mine Countermeasures Element, area of operations and higher operation order.

STANDARD: To create two lanes that allows maneuver forces freedom of movement.

EVENT COMPONENTS:

1. Identify type of breach
2. Identify obstacles
3. Plan and task organize MCM assets
4. Support breaching fundamentals, SOSRR
5. Support breach-site security until relieved

CHAINED EVENTS:

1833-CBTS-2407                      AAV-CBTS-4403                      AAV-CBTS-4402

RELATED EVENTS:

1833-GNRY-1111	1833-CMDC-1201	1833-CMDC-1202
1833-CMDC-1203	1833-GNRY-2107	1833-CBTS-2404
1833-CMDC-2202	1833-CMDC-2205	1833-CMDC-2206
1833-CMDC-2207	1833-CMDC-2208	1833-CMDC-2201

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>		<u>Quantity</u>
J143	Rocket Motor, 5-inch MK22 Mod 4	1
ML25	Charge, Demolition Linear M59A1	1

RANGE/TRAINING AREA: Facility Code 17820 Engineer Qualification Range, Non-Standardized

REFERENCES:

1. FM 5-170 Engineer Reconnaissance
2. MCWP 3-17.3 MAGTF Breaching Operations

---

AAV-CBTS-4402: Support a Team Breach

SUPPORTED MET(S): 3

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given Mine Countermeasures Element, area of operations and higher operation order.

STANDARD: To create one lane that allows maneuver forces freedom of movement.

EVENT COMPONENTS:

1. Identify type of breach
2. Identify obstacles

3. Plan and task organize MCM assets
4. Support breaching fundamentals, SOSRR
5. Support breach-site security until relieved

CHAINED EVENTS:

AAV-CBTS-4403                      1833-CBTS-2407

RELATED EVENTS:

1833-GNRY-1111	1833-CMDC-1201	1833-CMDC-1202
1833-CMDC-1203	1833-GNRY-2107	1833-CBTS-2404
1833-CMDC-2202	1833-CMDC-2205	1833-CMDC-2206
1833-CMDC-2207	1833-CMDC-2208	1833-CMDC-2201

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>		<u>Quantity</u>
J143	Rocket Motor, 5-inch MK22 Mod 4	1
ML25	Charge, Demolition Linear M59A1	1

RANGE/TRAINING AREA: Facility Code 17820 Engineer Qualification Range,  
Non-Standardized

REFERENCES:

1. FM 5-170 Engineer Reconnaissance
2. MCWP 3-17.3 MAGTF Breaching Operations

ADMINISTRATIVE INSTRUCTIONS: Ammo is either Live or Inert

---

AAV-CBTS-4403: Determine Deployment Options of Mk 1 Mod 0

SUPPORTED MET(S): 3

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given Mine Countermeasures Element, area of operations and higher operation order.

STANDARD: To advise beach force commander on deployment of Mk 1 Mod 0 Mine Clearance System.

EVENT COMPONENTS:

1. Establish security element over-watching obstacle
2. Conduct reconnaissance, physical or visual, to determine: size, perimeter and composition of obstacle and physical environment (depth, current tidal ranges, and surf conditions).
3. Conduct combat reporting

CHAINED EVENTS: 1833-CBTS-2407

RELATED EVENTS:

1833-GNRY-1111	1833-CMDC-1201	1833-CMDC-1202
1833-CMDC-1203	1833-GNRY-2107	1833-CBTS-2404

REFERENCES:

1. MCRP 3-11.1A Commander's Tactical Handbook
  2. MCRP 6-22C RADIO OPERATOR'S HANDBOOK
  3. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
  4. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)
- 

AAV-VOPS-3301: Conduct Demolition

SUPPORTED MET(S): 2, 3, 4, 5, 6

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given an order to destroy an AAV.

STANDARD: To prevent enemy use.

EVENT COMPONENTS:

1. Determine time available
2. Zero communication equipment
3. Determine the items to be destroyed
4. Remove salvageable items
5. Determine methods of destruction available
6. Apply procedures of destruction

CHAINED EVENTS: 1833-VOPS-2306

RELATED EVENTS:

1833-CMDC-2207                      1833-VOPS-2305

REFERENCES:

1. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)
  2. TM 10004A-10/1D Upgunned Weapons Station, Assault Amphibious Vehicle
- 

AAV-CBTS-3401: Install Mk 154 Launcher Mine Clearance

SUPPORTED MET(S): 3

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

CONDITION: Given AAVP7, 5-ton capable lifting source and collateral equipment.

STANDARD: To prepare Mk 1 Mod 0 Mine Clearance System for operation.

EVENT COMPONENTS:

1. Adhere to safety precautions
2. Follow installation procedures
3. Conduct operational test

PREREQUISITE EVENTS: 1833-CBTS-2401

RELATED EVENTS: 1833-CBTS-2402

REFERENCES:

1. TM 09962A-10/1 Operating Instruction Charts MARK 1 MOD 0 Mine Clearance System
  2. TM 09962A-13&P/2B System Manual MARK 1 MOD 0 Mine Clearance System
- 

AAV-CBTS-3402: Load Ordnance

SUPPORTED MET(S): 3

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

CONDITION: Given Mk 1 Mod 0 Mine Clearance System and collateral equipment.

STANDARD: To prepare system for deployment.

EVENT COMPONENTS:

1. Adhere to safety precautions
2. Follow pre-deployment checks
3. Follow rocket motor loading procedures
4. Follow line charge fusing procedures
5. Follow line charge loading procedures
6. Connect rocket bridle cables
7. Follow electrical connection of the line charge
8. Follow electrical connection of the rocket
9. Perform rocket thrust positive connection

RELATED EVENTS:

1833-CBTS-2402

1833-CBTS-2403

REFERENCES:

1. TM 09962A-10/1 Operating Instruction Charts MARK 1 MOD 0 Mine Clearance System
  2. TM 09962A-13&P/2B System Manual MARK 1 MOD 0 Mine Clearance System
- 

AAV-CBTS-3403: Deploy Mk 1 Mod 0 Mine Clearance System

SUPPORTED MET(S): 3

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 6 months

CONDITION: Given loaded munitions and area of operations.

STANDARD: To reduce an obstacle.

EVENT COMPONENTS:

1. Adhere to safety precautions
2. Operate electrically

3. Operate manually
4. Follow ordnance malfunction procedures

RELATED EVENTS:

1833-CBTS-2403	1833-CBTS-2404	1833-CBTS-2401
AAV-CBTS-3402	1833-CBTS-2407	

REFERENCES:

1. TM 09962A-10/1 Operating Instruction Charts MARK 1 MOD 0 Mine Clearance System
2. TM 09962A-13&P/2B System Manual MARK 1 MOD 0 Mine Clearance System

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>		<u>Quantity</u>
J143	Rocket Motor, 5-inch MK22 Mod 4	2
ML25	Charge, Demolition Linear M59A1	2

RANGE/TRAINING AREA: Facility Code 17820 Engineer Qualification Range, Non-Standardized

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: 1. DODIC ML 25 demolition linear charge can only be detonated on designated ranges. 2. Ammo is either Live or Inert.

---

AAV-CBTS-3404: Offload Ordnance

SUPPORTED MET(S): 3

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

CONDITION: Given Mk 1 Mod 0 Mine Clearance System and collateral equipment.

STANDARD: To clear system of munitions.

EVENT COMPONENTS:

1. Adhere to safety precautions
2. Follow disarming line charges procedures
3. Follow unloading rocket procedures
4. Follow line charge defusing procedures
5. Follow off-loading line charge container procedures

RELATED EVENTS:

1833-CBTS-2403	1833-CBTS-2406	1833-CBTS-2405
----------------	----------------	----------------

REFERENCES:

1. TM 09962A-10/1 Operating Instruction Charts MARK 1 MOD 0 Mine Clearance System
2. TM 09962A-13&P/2B System Manual MARK 1 MOD 0 Mine Clearance System

AAV-CBTS-3405: Remove Mk 154 Launcher Mine Clearance

SUPPORTED MET(S): 3

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

CONDITION: Given Mk 1 Mod 0 Mine Clearance System, 5-ton capable lifting source and collateral equipment.

STANDARD: To stow system.

EVENT COMPONENTS:

1. Adhere to safety precautions
2. Follow removal procedures

RELATED EVENTS:

1833-VOPS-1301	1833-CBTS-2403	1833-CBTS-2402
1833-CMDC-2203	1833-CBTS-2401	1833-CBTS-2406

REFERENCES:

1. TM 09962A-10/1 Operating Instruction Charts MARK 1 MOD 0 Mine Clearance System
  2. TM 09962A-13&P/2B System Manual MARK 1 MOD 0 Mine Clearance System
- 

AAV-AMPH-3601: Employ Assault Amphibious Vehicle in Water

SUPPORTED MET(S): 2

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 3 months

CONDITION: Given an AAV.

STANDARD: To operate in open water.

EVENT COMPONENTS:

1. Prepare the vehicle for waterborne operation
2. Transition AAV from land into the water
3. Maneuver with jet propulsion
4. Maneuver with track propulsion
5. Transition AAV out of the water

PREREQUISITE EVENTS: 1833-AMPH-1601

CHAINED EVENTS: 1833-AMPH-1603

RELATED EVENTS:

1833-CMDC-1203	1833-CMDC-1204	1833-VOPS-1302
1833-VOPS-1303	1833-CMDC-2203	1833-CMDC-1202
1833-VOPS-1310	1833-CMDC-2202	1833-VOPS-1308

REFERENCES:

1. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)

2. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
L311 Signal, Illumination Ground Red Star	2 per crew
L312 Signal, Illumination Ground White St	2 per crew

RANGE/TRAINING AREA: Facility Code 17411 Maneuver/Training Area, Amphibious Forces

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This task is intended for both calm water and surf zone operations.

---

AAV-AMPH-3602: Embark / Debark Assault Amphibious Vehicle

SUPPORTED MET(S): 2

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

CONDITION: Given an AAV.

STANDARD: To recover and launch from amphibious shipping.

EVENT COMPONENTS:

1. Prepare AAV to be recovered aboard ship
2. Follow recovery procedures
3. Secure AAV in well deck
4. Prepare AAV for launch
5. Follow launch procedures

PREREQUISITE EVENTS: AAV-AMPH-3601

CHAINED EVENTS: 1833-AMPH-1602

RELATED EVENTS:

1833-CMDC-1202                      1833-CMDC-2202                      1833-CMDC-1204

REFERENCES:

1. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
2. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
L311 Signal, Illumination Ground Red Star	2 per crew
L312 Signal, Illumination Ground White St	2 per crew

RANGE/TRAINING AREA: Facility Code 17411 Maneuver/Training Area,  
Amphibious Forces

EQUIPMENT: Amphibious shipping is required to accomplish this task.

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This task is intended for both static and  
underway.

---

AAV-AMPH-3603: Conduct Vehicle Emergency Procedures Afloat

SUPPORTED MET(S): 2

EVALUATION-CODED: YES                      SUSTAINMENT INTERVAL: 3 months

CONDITION: Given an AAV with dead engine or sinking.

STANDARD: To evacuate and/or recover AAV.

EVENT COMPONENTS:

1. Conduct vehicle commander emergency procedures afloat
2. Conduct driver emergency procedures afloat
3. Conduct crewman emergency procedures afloat

PREREQUISITE EVENTS:

1833-CMDC-1202                      AAV-AMPH-3601                      1833-AMPH-1603

CHAINED EVENTS:

1833-AMPH-1604                      1833-AMPH-2601                      1833-AMPH-1605

RELATED EVENTS:

1833-CMDC-1203                      1833-CMDC-1204                      1833-VOPS-1302  
1833-VOPS-1303                      1833-VOPS-2304                      1833-VOPS-1307  
1833-CMDC-2202                      1833-CMDC-2203                      1833-VOPS-1306

REFERENCES:

1. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
2. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family  
of Vehicles (With Special Mission Kits)

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
L312 Signal, Illumination Ground White St	2 per crew
L311 Signal, Illumination Ground Red Star	2 per crew

RANGE/TRAINING AREA: Facility Code 17411 Maneuver/Training Area,  
Amphibious Forces

---

AAV-AMPH-3604: Egress the AAV

SUPPORTED MET(S): 2

EVALUATION-CODED: YES                    SUSTAINMENT INTERVAL: 4 years

CONDITION: Given a rapidly sinking or submerged AAV

STANDARD: To return all crew and passengers to the surface of the water.

EVENT COMPONENTS:

1. Order "egress, egress, egress"
2. Crew and embarked personnel unfasten seatbelts
3. Crew and designated personnel unlock-hatches
4. Crew and embarked personnel exit the AAV
5. Account for crew and embarked personnel

CHAINED EVENTS:

1803-AMPH-1606            1833-AMPH-1606

REFERENCES:

1. ASSAULT AMPHIBIAN VEHICLE COMMON SOP
2. TM 3-39.31 Armored Security Vehicle
3. TC 55-HEAT

SUPPORT REQUIREMENTS:

RANGE TRAINING AREAS: 17955, Combat Training Pool/Tank

OTHER SUPPORT REQUIREMENTS: This task shall be trained using the Submerged Vehicle Egress Trainer (SVET). Egress drills can be conducted on AAV while parked at the ramp or during field exercises, but the training will not be satisfied by any means other than SVET.

ADMINISTRATIVE NOTES:

1. The Shallow Water Initial Memory Mechanical Exit Release (SWIMMER) and the Shallow Water Egress Trainer (SWET) is utilized by the Naval Survival Training Institute (NSTI) as part of their egress training continuum to increase Marines' comfort in the water as well as their proficiency in SVET and AAV egress. SWIMMER and SWET are available at all 8 NSTI training sites, but are not currently utilized by the Marine Corps. If possible, unit training shall include SWIMMER and SWET training prior to using the SVET.
2. Reserve training will take place at Initial Location for Mobilization (ILOC) or during two week annual training (AT).

---

AAV-TAC-3701: Employ Assault Amphibious Vehicle on Land

SUPPORTED MET(S): 3, 4, 5, 6

EVALUATION-CODED: YES                    SUSTAINMENT INTERVAL: 12 months

CONDITION: Given area of operation.

STANDARD: To operate within maneuver space.

EVENT COMPONENTS:

1. Conduct operations checks
2. Apply principles of terrain driving
3. Apply movement technique
4. Apply movement formation
5. Adhere to tactical control measures
6. Conduct actions on contact
7. Submit combat reports

PREREQUISITE EVENTS: 1833-VOPS-1305

CHAINED EVENTS:

1833-VOPS-1301                      1833-CMDC-2208                      1833-CMDC-2207

RELATED EVENTS:

1833-CMDC-1202                      1833-CMDC-1203                      1833-CMDC-1204  
1833-CMDC-1201                      1833-VOPS-1302                      1833-VOPS-1303  
AAV-CMDC-3205                      1833-VOPS-1310                      1833-CMDC-2202  
1833-CMDC-2203                      1833-VOPS-2302                      1833-TAC-2701  
1833-VOPS-1308

REFERENCES:

1. FM 3-90.1 Tank and Mechanized Infantry Company Team
2. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17420 Maneuver/Training Area, Heavy Forces

---

AAV T&R MANUAL

CHAPTER 6

MOS 1803 INDIVIDUAL EVENTS

	PARAGRAPH	PAGE
PURPOSE . . . . .	6000	6-2
EVENT CODING . . . . .	6001	6-2
ADMINISTRATIVE NOTES. . . . .	6002	6-2
PREREQUISITES . . . . .	6003	6-2
BILLET DESCRIPTION/CORE CAPABILITIES . . . . .	6004	6-2
INDEX OF INDIVIDUAL EVENTS . . . . .	6005	6-8
1000-LEVEL EVENTS . . . . .	6006	6-10

AAV T&R MANUAL

CHAPTER 6

MOS 1803 INDIVIDUAL EVENTS

**6000. PURPOSE.** The purpose of 1000-level training is to provide the knowledge and skills required to perform as an Assault Amphibious Vehicle (AAV) Officer.

**6001. EVENT CODING.** Events in the T&R Manual are depicted with a 12 field alphanumeric system, i.e. XXXX-XXXX-XXXX. This chapter utilizes the following methodology:

a. Field one - Each event in this chapter begins with "1803" indicating that the event is for AAV Officers.

b. Field two - This field is alpha characters indicating a functional area. Functional areas for AAV Officers are:

GNNRY - Gunnery	CMDC - Command and Control
VOPS - Vehicle Operations	TAC - Tactical Operation
CSS - Combat Service Support	AMPH - Amphibious Operations

c. Field three - This field provides numerical sequencing.

**6002. ADMINISTRATIVE NOTES.** Each Event may contain a paragraph that describes internal and external Support Requirements the unit and Marines will need to complete the event. Ranges/Training Areas are described in this section with plain-language description. They are also described using the Range/Facility Codes that identify the type of range and/or training area needed to accomplish the Event. Marines can use the codes to find information about available ranges at their geographic location by using the web-based Range/Training Area Management System (see TECOM website). Ultimate use of the Range/Training Area Code is to relate ranges to readiness by identifying those Events that cannot be accomplished at a certain location due to lack of ranges.

**6003. PREREQUISITES.** The Marine AAV Officer will have completed The Basic School (TBS), Quantico, VA and Assault Amphibian Officer Course, Assault Amphibious School, Camp Pendleton, CA.

**6004. BILLET DESCRIPTION/CORE CAPABILITIES**

**1. CAREER PROGRESSION PHILOSOPHY.** The AAV Officer will complete the Assault Amphibian Officer Course, Assault Amphibian School, Camp Pendleton, CA. Upon graduation, the AAV Officer will conduct training in an Assault Amphibian unit in a variety of billets. Level 2 training continues through completion of Career, Intermediate, and Advanced Level Professional Military Education (PME), available through resident, seminar and distance learning courses.

**2. BILLET: Assault Amphibian Platoon Commander.** Responsible for the vehicles and crews in an AA platoon. When he is the senior AA officer assigned to an infantry battalion, he also serves as a special staff officer to the infantry battalion commander. The primary duty of the AA platoon commander is to advise the infantry company commander on the use of AAVs in support of the assigned mission. The AA platoon commander directs the maneuver and fires of his platoon in accordance with the intent of the infantry company commander. The AA platoon commander occupies the weapon station of the AAV that is utilized by the infantry company commander as his command vehicle. During water operations the AA platoon commander maintains control of the tactical movement of the AA unit.

a. Core Capabilities

(1) Responsible for the training and supervision of platoon personnel in the performance of tasks which support company training objectives.

(2) Responsible for the welfare and discipline of his platoon.

(3) Makes operational planning recommendations to the supported unit commander on the employment of AA unit.

(4) Manages the preventative maintenance and corrective maintenance efforts on all vehicles and all associated collateral equipment.

(5) Employs proper movement techniques and formations.

(6) Employs operational safety procedures.

(7) Employs vehicle and unit fires in support of mission and in self-defense.

(8) Advises supported unit commander on logistical requirements of AA unit.

(9) Coordinates with Naval personnel for the employment of AA unit with amphibious shipping.

(10) Leads AA platoon and embarked personnel in amphibious operations.

**3. BILLET: Assault Amphibian Mine Countermeasure Platoon Commander.** Responsible for the vehicles and crews in the AA Mine Countermeasure (MCM) platoon. The MCM platoon commander supports the Ground Combat Element with breaching capability. The MCM platoon commander leads two sections of Marines that crew AAVP7Als with and without MK 154 LMC Mod 0 kits.

a. Core Capabilities

(1) Responsible for the training and supervision of platoon personnel in the performance of tasks which support company training objectives.

(2) Responsible for the welfare and discipline of his platoon.

(3) Manages the preventative maintenance and corrective maintenance efforts of vehicles and associated collateral equipment.

Mod 0. (4) Advises supported unit commander on employment of unit and MK 1

(5) Employs operational safety procedures.

(6) Advises supported unit commander on logistical requirements of AA unit.

(7) Coordinates with Naval personnel for the employment of AA unit with amphibious shipping.

**4. BILLET: AA Company Executive Officer.** Second most senior 1803 in the AA company. Assumes command in commander's absence.

a. Core Capabilities

(1) Makes operational planning recommendations to company commander on unit training and operations.

(2) Oversees unit training and operations.

(3) Oversees range operations.

(4) Oversees unit logistical support and requirements.

(5) Trains AA platoon commanders in performance of duties.

(6) Oversees the conduct and supervises ancillary training events.

**5. BILLET: AA Company Commander.** The AA company commander works for the commanding officer of the supported infantry regiment or battalion and becomes a special staff officer to the supported infantry commander. The AA company commander leads one or more AA platoons and a maintenance platoon. He is responsible for all vehicle maintenance and all associated collateral gear including additional support equipment.

a. Core Capabilities

(1) Directs the logistics support organic to the AA company in support of his AAVs.

(2) Responsible for the welfare and discipline of his company.

(3) Advises the supported unit commander on the employment of AA unit.

(4) Advises the supported unit commander on logistical and maintenance requirements for AA unit.

(5) Employs operational safety procedures.

(6) Trains and supervises platoon personnel in the performance of tasks which support battalion training objectives.

(7) Responsible for overall preventative and corrective maintenance efforts of vehicles and associated collateral equipment.

(8) Coordinates with Naval personnel for the employment of AA unit with amphibious shipping.

**6. BILLET: Headquarters and Service Company Commander.** The headquarters and service (H&S) company commander provides the AA battalion commander the means to effect command and control of the battalion. Through his subordinate platoons and sections, the H&S company commander provides maintenance, communications, administrative, medical, supply, and other service support functions to the AA battalion commander.

a. Core Capabilities

(1) Serves as headquarters commander for AA battalion.

(2) Advises the supported unit commander on the employment of AA unit.

(3) Advises the supported unit commander on logistical requirements for AA unit.

(4) Employs operational safety procedures.

(5) Responsible for the overall preventative maintenance and corrective maintenance efforts of vehicles and associated collateral equipment.

(6) Coordinates with Naval personnel for the employment of AA unit with amphibious shipping.

(7) Supervises maintenance related activities of AA unit.

(8) Maintains the welfare and discipline of a company.

(9) Coordinates the staff sections in the performance of tasks that support battalion training objectives.

**7. BILLET: Assistant Operations Officer.** Junior 1803 officer in battalion operations section. Assists operations officer in duties.

a. Core Capabilities:

(1) Serves as watch officer in battalion COC.

(2) Assists the operations officer in supervising unit and personnel training.

(3) Assists the operations officer with coordinating with naval personnel for amphibious operations.

(4) Monitors the battalion TEEP.

**8. BILLET: Battalion Operations Officer.** Field grade or senior company grade officer responsible for coordinating all battalion training and operations with a section of Marines to assist in accomplishing the battalion commander's intent.

a. Core Capabilities:

(1) Assumes staff responsibility for organization, training and tactical operations of an assault amphibian battalion.

(2) Responsible for planning, coordinating, and supervising tactical aspects of logistical support of units.

(3) Responsible for determining priorities for allocation of personnel, weapons, equipment and ammunition.

(4) Makes operational planning recommendations to the battalion commander.

(5) Coordinates with Naval personnel for the employment of AA unit with amphibious shipping.

**9. BILLET: Battalion Logistics Officer.** Field grade or senior company grade officer responsible for coordinating all battalion logistical requirements and operations with a section of Marines to assist in accomplishing the battalion commander's intent.

a. Core Capabilities

(1) Assumes staff responsibility for determining logistical requirements, support, and operations for an AA battalion.

(2) Responsible for planning, coordinating, and supervising logistical support of AA units.

(3) Makes operational planning recommendations to the battalion commander.

(4) Coordinates with Naval personnel for embarkation of AA unit with amphibious shipping.

**10. BILLET: Battalion Executive Officer.** Second most senior 1803 officer in the battalion. Assumes command in battalion commander's absence. Responsible for managing and coordinating the battalion staff and administrative tasks.

a. Core Capabilities

(1) Coordinates all actions of the battalion staff.

(2) Supervises staff planning process.

(3) Ensures battalion reports are made as required to higher and adjacent commanders.

(4) Maintains information flow to battalion commander.

**11. BILLET: Battalion Commanding Officer.** The AA battalion commander serves as a special staff officer to the Commanding General of the Marine Division. The battalion commander also directs the maintenance and logistic trains organic to the battalion to support operations as directed by the Commanding

General of the Marine Division. The assault amphibian battalion has the ability to function as a maneuver element headquarters when provided augmentation from higher headquarters.

a. Core Capabilities

- (1) Advises supported unit commander on employment of AA unit.
- (2) Responsible for the vehicle preventive and corrective maintenance.
- (3) Responsible for the training of personnel in the performance of tasks which support division training objectives.
- (4) Advises the supported unit commander on logistical requirements for AA unit.
- (5) Responsible for the welfare and discipline of the battalion.
- (6) Advises the supported unit commander on logistical requirements for AA unit.
- (7) Directs organic combat training and logistical operations in support of subordinate units.
- (8) Leads assault amphibian battalion as an independent maneuver element.

6005. INDEX OF INDIVIDUAL EVENTS

Event Code	Eval Code	Event	Pages
		<b>1000 LEVEL</b>	
1803-GNRY-1101		Conduct Preventive Maintenance Checks and Services on Weapons	6-10
1803-GNRY-1102		Conduct Preventive Maintenance Checks and Services on Upgunned Weapons Station	6-10
1803-GNRY-1103		Operate Upgunned Weapons Station	6-11
1803-GNRY-1104		Set Inhibit Zone for the Upgunned Weapons Station	6-11
1803-GNRY-1105		Set Headspace and Timing	6-12
1803-GNRY-1106		Install Weapons	6-12
1803-GNRY-1107		Conduct Minor Boresighting	6-13
1803-GNRY-1108		Load Weapons	6-13
1803-GNRY-1109		Prepare Fire Plan Sketch	6-14
1803-GNRY-1110		Identify Combat Vehicles	6-14
1803-GNRY-1111		Zero the Upgunned Weapons Station	6-15
1803-GNRY-1112		Engage Stationary Targets	6-16
1803-GNRY-1114		Conduct Failure to Fire Procedures	6-17
1803-GNRY-1115		Shut Down Upgunned Weapons Station	6-18
1803-GNRY-1116		Remove Weapons	6-18
1803-CMDC-1201		Communicate Using Visual Signals	6-19
1803-CMDC-1202		Respond to Signals	6-19
1803-CMDC-1203		Conduct Internal and External Communications	6-20
1803-CMDC-1204		Control Radio Communications	6-20
1803-CMDC-1205		Employ Command Communication System	6-21
1803-CMDC-1206		Submit Reports	6-21
1803-CMDC-1207		Conduct Operational Safety	6-22
1803-CMDC-1208		Conduct Intelligence Preparation of the Battlefield	6-22
1803-CMDC-1209		Apply Employment Fundamentals and Principles	6-23
1803-CMDC-1210		Advise Supported Unit Commander on Assault Amphibious Vehicle Employment	6-24
1803-VOPS-1301		Conduct Operational Checks	6-24
1803-VOPS-1302		Conduct Preventive Maintenance Checks and Services	6-25
1803-VOPS-1303		Start the Engine	6-25
1803-VOPS-1304		Start the Engine by Alternate Means	6-26
1803-VOPS-1305		Drive the Assault Amphibious Vehicle	6-26
1803-VOPS-1306		Operate Driver's Vision Enhancer	6-27
1803-VOPS-1307		Operate Smoke Generation System	6-28
1803-VOPS-1308		Conduct Emergency Maintenance Procedures on Assault Amphibious Vehicle Subsystems	6-28
1803-VOPS-1309		Conduct Land Tow	6-29
1803-VOPS-1310		Conduct Demolition	6-29
1803-VOPS-1311		Install Special Mission Kit	6-30
1803-CSS-1501		Inspect Equipment Repair Order Shopping List	6-30

1803-CSS-1502		Monitor Daily Progress Report	6-31
1803-CSS-1503		Conduct Vehicle Inspection	6-31
1803-CSS-1504		Conduct Recovery Operations	6-32
1803-AMPH-1601		Conduct Embarkation and Debarkation	6-33
1803-AMPH-1602		Drive the Assault Amphibious Vehicle in Water	6-33
1803-AMPH-1603		Evacuate Embarked Personnel	6-34
1803-AMPH-1604		Conduct Water Tow	6-35
1803-AMPH-1605		Complete Modified Surf Index	6-35
1803-AMPH-1606		Egress the AAV	6-36
1803-TAC-1701		Camouflage an Assault Amphibious Vehicle	6-37
1803-TAC-1702		Conduct Operations in Special Terrain	6-37

6006. 1000-LEVEL EVENTS

1803-GNRY-1101: Conduct Preventive Maintenance Checks and Services on Weapons

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1803

BILLETS: Platoon Commander

GRADES: 2NDLT, 1STLT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Mk 19, M2 or M240 machinegun and references.

STANDARD: To keep equipment in operating condition and ready for its primary mission.

PERFORMANCE STEPS:

1. Perform safety check
2. Disassemble the weapon
3. Inspect, clean, and lubricate the components
4. Report worn or defective parts
5. Assemble the weapon
6. Perform function check

REFERENCES:

1. MCWP 3-15.1 Machine Guns and Machine Gun Gunnery
2. TM 02498A-10/2 Operator's Manual, Machine Guns, Caliber .50; Browning, M2 Heavy Barrel
3. TM 08521A-10/1A Operator's Manual, Machinegun 40mm, MK19 Mod 3

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This task is reference specific. Care must be taken to perform each step in accordance with the references.

---

1803-GNRY-1102: Conduct Preventive Maintenance Checks and Services on Ungunned Weapons Station

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1803

BILLETS: Platoon Commander

GRADES: 2NDLT, 1STLT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given collateral material and references.

STANDARD: To keep equipment in operating condition and ready for its primary mission.

PERFORMANCE STEPS:

1. Apply PMCS to turret exterior
2. Apply PMCS to turret interior
3. Lubricate turret components

REFERENCES:

1. TM 10004A-10/1D Ugunned Weapons Station, Assault Amphibious Vehicle
- 

1803-GNRY-1103: Operate Ugunned Weapons Station

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1803

BILLETS: Platoon Commander

GRADES: 2NDLT, 1STLT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibious Vehicle..

STANDARD: To ensure readiness of all components.

PERFORMANCE STEPS:

1. Complete pre-operation checklist
2. Manipulate electrical components
3. Manipulate manual components

REFERENCES:

1. TM 10004A-10/1D Ugunned Weapons Station, Assault Amphibious Vehicle
- 

1803-GNRY-1104: Set Inhibit Zone for the Ugunned Weapons Station

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1803

BILLETS: Platoon Commander

GRADES: 2NDLT, 1STLT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibious Vehicle, inhibit zone aligning tool and references.

STANDARD: To keep the vehicle and personnel out of the line of fire.

PERFORMANCE STEPS:

1. Prepare the UGWS for setting the inhibit zone
2. Establish the inhibit zone elevation
3. Establish Inhibit Zone 2 azimuths
4. Establish Inhibit Zone 1 azimuths
5. Reset inhibit points if applicable

REFERENCES:

1. TM 10004A-10/1D Upgunned Weapons Station, Assault Amphibious Vehicle
- 

1803-GNRY-1105: Set Headspace and Timing

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1803

BILLETS: Platoon Commander

GRADES: 2NDLT, 1STLT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an M2, collateral equipment and references.

STANDARD: To prepare weapon for firing.

PERFORMANCE STEPS:

1. Adjust headspace
2. Adjust timing

REFERENCES:

1. TM 02498A-10/2 Operator's Manual, Machine Guns, Caliber .50; Browning, M2 Heavy Barrel

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This task is reference specific. Care must be taken to perform each step in accordance with the references. Headspace and timing must be performed each time a barrel is installed.

---

1803-GNRY-1106: Install Weapons

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1803

BILLETS: Platoon Commander

GRADES: 2NDLT, 1STLT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given machineguns, Upgunned Weapons Station and references.

STANDARD: To prepare the UGWS to fire.

PERFORMANCE STEPS:

1. Install Mk19
2. Install M2

REFERENCES:

1. TM 10004A-10/1D Upgunned Weapons Station, Assault Amphibious Vehicle
- 

1803-GNRY-1107: Conduct Minor Boresighting

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1803

BILLETS: Platoon Commander

GRADES: 2NDLT, 1STLT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibious Vehicle with crew, machineguns, boresighting kits and references.

STANDARD: To provide a true sight line adjustment.

PERFORMANCE STEPS:

1. Conduct boresight procedures for M36E\_
2. Conduct retention procedures

REFERENCES:

1. TM 10004A-10/1D Upgunned Weapons Station, Assault Amphibious Vehicle
  2. TM 8F419D1/4 Upgunned Weapons Station M36E Thermal Sighting System
- 

1803-GNRY-1108: Load Weapons

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1803

BILLETS: Platoon Commander

GRADES: 2NDLT, 1STLT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibious Vehicle, ammunition and references.

STANDARD: To prepare Upgunned Weapons Station to fire.

PERFORMANCE STEPS:

1. Load Mk 19
2. Load M2
3. Load M257

REFERENCES:

1. TM 10004A-10/1D Upgunned Weapons Station, Assault Amphibious Vehicle
- 

1803-GNRY-1109: Prepare Fire Plan Sketch

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1803

BILLETS: Platoon Commander

GRADES: 2NDLT, 1STLT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a defensive position.

STANDARD: To provide overlapping fires and mutual support.

PERFORMANCE STEPS:

1. Combine section fire plan sketches firing data
2. Illustrate dead space
3. Illustrate terrain
4. Annotate orientation data

REFERENCES:

1. MCWP 3-11.1 Marine Rifle Company/ Platoon
  2. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
  3. MCWP 3-15.1 Machine Guns and Machine Gun Gunnery
- 

1803-GNRY-1110: Identify Combat Vehicles

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

MOS PERFORMING: 1803

BILLETS: Platoon Commander

GRADES: 2NDLT, 1STLT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an area of operation.

STANDARD: To determine engagement criteria within a limited exposure.

PERFORMANCE STEPS:

1. Identify characteristics of the vehicle
2. Identify the type of vehicle
3. Identify the role of the vehicle
4. Identify armament of vehicle
5. Identify maximum range (threat) of vehicle weapons

REFERENCE:

1. ROC-V Recognition of Combat Vehicles

---

1803-GNRY-1111: Zero the Upgunned Weapons Station

EVALUATION-CODED: NO                      SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Live fire gunnery designed to zero the Upgunned Weapons Station.

MOS PERFORMING: 1803

BILLETS: Platoon Commander

GRADES: 2NDLT, 1STLT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given Assault Amphibious Vehicle, ammunition and stationary target at 400-700 meters.

STANDARD: To place center of beaten zone on the target.

PERFORMANCE STEPS:

1. Acquire target
2. Employ Gunnery Techniques
3. Zero the sight to the Mk 19 machine gun
4. Zero the M2 machine gun to the sight

REFERENCES:

1. FM 3-22.27 Mk 19 40mm Grenade Machine Gun Mod 3
2. FM 3-22.65 Browning Machinegun Caliber .50 HB, M2
3. TM 10004A-10/1D Upgunned Weapons Station, Assault Amphibious Vehicle

SUPPORT REQUIREMENTS:

ORDNANCE:

Weapon	MK 19 40-mm Grenade Machine Gun	<u>QTY</u>
B542	CTG, 40MM, LINKED, HE DP F/MK 19	32
Weapon	M2 .50 cal Heavy Machine Gun	<u>QTY</u>
A576	CTG, CAL .50, API-T LINK, F/M2	50

RANGE/TRAINING AREA: Facility Code 17660 Tank/Fighting Vehicle Stationary Gunnery Range

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: 1. Gunners will fire one practice and one qualification. 2. If the gunner fails to zero he is removed from the line and given additional training before attempting again. 3. Ammunition is either TP or HE DP and Ball or API-T (Only TP and Ball on Pop-up targets). 4. Machine guns can be fired manually if power is lost (non-electric).

---

1803-GNRY-1112: Engage Stationary Targets

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Gunnery that demonstrates engagement skills from a stationary position against stationary target(s).

MOS PERFORMING: 1803

BILLETS: Platoon Commander

GRADES: 2NDLT, 1STLT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a stationary Assault Amphibious Vehicle.

STANDARD: To suppress and destroy targets.

PERFORMANCE STEPS:

1. Acquire target
2. Employ Gunnery Techniques
3. Fire on one short range target
4. Fire on two short range targets
5. Fire on one long range target
6. Fire on two long range targets
7. Fire on one short range and one long range targets
8. Fire on one short range target in MOPP 4
9. Fire on two short range targets in MOPP 4
10. Verify range card data
11. Fire on one short range target in limited visibility
12. Fire on two short range targets in limited visibility
13. Troubleshoot Mk 19
14. Troubleshoot M2

REFERENCES:

1. FM 3-22.27 Mk 19 40mm Grenade Machine Gun Mod 3
2. FM 3-22.65 Browning Machinegun Caliber .50 HB, M2
3. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>Weapon</u>		<u>QTY</u>
B542	MK 19 40-mm Grenade Machine Gun CTG, 40MM, LINKED, HE DP F/MK 19	160

Weapon	M2 .50 cal Heavy Machine Gun	<u>QTY</u>
A576	CTG, CAL .50, API-T LINK, F/M2	300

RANGE/TRAINING AREA: Facility Code 17660 Tank/Fighting Vehicle Stationary Gunnery Range

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: 1. Gunners will fire one practice and one qualification. 2. Ammunition is either TP or HE DP and Ball or API-T (Only TP and Ball on Pop-up targets). 3. Gunners will prepare a range card prior to live fire. 4. Short range is 400 - 800m; long range is 800 - 1800m. 5. All steps can be performed in degraded gunnery (non-electric). 6. Every effort should be made to practice on a simulator prior to live fire.

SPECIAL PERSONNEL CERTS: Advanced Gunner (9-10) Qualified Gunner (7-8) Unqualified (0-6)

---

1803-GNRY-1114: Conduct Failure to Fire Procedures

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1803

BILLETS: Platoon Commander

GRADES: 2NDLT, 1STLT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibious Vehicle currently firing Upgunned Weapons Station and an engagement area.

STANDARD: To identify mechanical problem and take corrective action.

PERFORMANCE STEPS:

1. Identify malfunction
2. Identify stoppage
3. Apply immediate action procedures

REFERENCES:

1. MCWP 3-15.1 Machine Guns and Machine Gun Gunnery
2. TM 10004A-10/1D Upgunned Weapons Station, Assault Amphibious Vehicle

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17721 Tank/Fighting Vehicle Multipurpose Range Complex

---

1803-GNRY-1115: Shut Down Upgunned Weapons Station

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1803

BILLETS: Platoon Commander

GRADES: 2NDLT, 1STLT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given loaded weapons.

STANDARD: To place the turret in a safe condition.

PERFORMANCE STEPS:

1. Shut down Mk 19
2. Clear Mk 19
3. Shut down M2
4. Clear M2
5. Clear M257

REFERENCES:

1. TM 10004A-10/1D Upgunned Weapons Station, Assault Amphibious Vehicle

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17660 Tank/Fighting Vehicle Stationary Gunnery Range

---

1803-GNRY-1116: Remove Weapons

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1803

BILLETS: Platoon Commander

GRADES: 2NDLT, 1STLT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Upgunned Weapons Station.

STANDARD: To clear the turret.

PERFORMANCE STEPS:

1. Remove Mk 19
2. Remove M2

REFERENCES:

1. TM 10004A-10/1D Upgunned Weapons Station, Assault Amphibious Vehicle
-

1803-CMDC-1201: Communicate Using Visual Signals

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1803

BILLETS: Platoon Commander

GRADES: 2NDLT, 1STLT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given Assault Amphibious Vehicle with crew and an operating area.

STANDARD: To control the movement of vehicle(s).

PERFORMANCE STEPS:

1. Employ day ground guiding signals
2. Employ night ground guiding signals
3. Employ day tactical hand and arm signals
4. Employ night tactical hand and arm signals

REFERENCES:

1. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Special equipment is required for night operations (i.e. cone lights, chemical light sticks, etc.).

---

1803-CMDC-1202: Respond to Signals

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1803

BILLETS: Platoon Commander

GRADES: 2NDLT, 1STLT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given standard flags, lights, pyrotechnics and markers.

STANDARD: To control Assault Amphibious Vehicle movement.

PERFORMANCE STEPS:

1. Respond to standard beach signals / markers
2. Respond to standard naval signals / markers
3. Respond to standard tactical signals / markers
4. Respond to standard logistical signals / markers

REFERENCES:

1. COMDTINST M16500.7A Aids to Navigation Manual-Administration

2. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
3. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)

**SUPPORT REQUIREMENTS:**

**RANGE/TRAINING AREA:** Facility Code 17411 Maneuver/Training Area,  
Amphibious Forces

---

**1803-CMDC-1203:** Conduct Internal and External Communications

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 12 months

**MOS PERFORMING:** 1803

**BILLETS:** Platoon Commander

**GRADES:** 2NDLT, 1STLT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Given an Assault Amphibious Vehicle, and radio net.

**STANDARD:** To communicate with crew and other elements.

**PERFORMANCE STEPS:**

1. Prepare the communications equipment for operations
2. Operate the Combat Vehicle Crewman's (CVC) helmet
3. Operate the vehicle intercom system
4. Operate the audio frequency amplifier
5. Operate the receiver/transmitters
6. Operate the position location systems
7. Secure communication equipment from operation

**REFERENCES:**

1. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)
  2. TM 11-5820-1172-13 Operator and Maintenance Manual, Defense Advanced GPS Receiver (DAGR) Satellite Signals Navigation Set AN/PSN-13
  3. TM 11-5820-890-10-6 SINGARS ICOM Ground Radios Pocket Guide
- 

**1803-CMDC-1204:** Control Radio Communications

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 12 months

**MOS PERFORMING:** 1803

**BILLETS:** Platoon Commander

**GRADES:** 2NDLT, 1STLT

**INITIAL TRAINING SETTING:** FORMAL

CONDITION: Given an Assault Amphibious unit, Communications Electronics Operating Instructions.

STANDARD: To enforce voice radio procedures.

PERFORMANCE STEPS:

1. Verify that all elements have the data and COMSEC
2. Update Frequency Hopping data using electronic remote fill (ERF)
3. Enforce standard radio procedures
4. Assign local unit call signs and frequencies
5. Enforce listening silence
6. Determine the presence of electronic countermeasures

REFERENCES:

1. MCRP 3-11.1A Commander's Tactical Handbook
  2. MCRP 6-22C RADIO OPERATOR'S HANDBOOK
  3. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
- 

1803-CMDC-1205: Employ Command Communication System

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1803

BILLETS: Platoon Commander

GRADES: 2NDLT, 1STLT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an AAVC7A1.

STANDARD: To ensure that the system is ready for the using unit.

PERFORMANCE STEPS:

1. Follow start-up procedures for MSQ 115 system
2. Troubleshoot the MSQ 115 system
3. Assist embarked staff with MSQ 115 system
4. Secure equipment after operation

REFERENCES:

1. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
  2. TM 08463A-10 Command Communications System, Assault Amphibious Vehicle, Command, Model 7A1 (AAVC7A1)
- 

1803-CMDC-1206: Submit Reports

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1803

BILLETS: Platoon Commander

GRADES: 2NDLT, 1STLT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a situation requiring tactical or administrative information.

STANDARD: To inform higher headquarters in standard format.

PERFORMANCE STEPS:

1. Determine type of report (administrative, logistical, operational and amphibious)
2. Generate report
3. Forward report

REFERENCES:

1. MCRP 3-11.1A Commander's Tactical Handbook
  2. MCRP 3-13.1A The Mechanized Infantry Platoon and Squad (APC)
  3. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
- 

1803-CMDC-1207: Conduct Operational Safety

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1803

BILLETS: Platoon Commander

GRADES: 2NDLT, 1STLT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibious Vehicle unit.

STANDARD: To ensure the safety of personnel.

PERFORMANCE STEPS:

1. Ensure crews have conducted general safety
2. Ensure crews have conducted waterborne safety
3. Ensure crews have conducted land safety
4. Ensure crews have conducted weapon safety
5. Ensure crews have conducted other safety considerations

REFERENCES:

1. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
  2. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)
  3. TM 10004A-10/1D Upgunned Weapons Station, Assault Amphibious Vehicle
- 

1803-CMDC-1208: Conduct Intelligence Preparation of the Battlefield

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

MOS PERFORMING: 1803

BILLETS: Platoon Commander

GRADES: 2NDLT, 1STLT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an operations order and a battle space.

STANDARD: To evaluate enemy capabilities, vulnerabilities and probable courses of action.

PERFORMANCE STEPS:

1. Define the battlefield environment
2. Describe the battlefields' effect on operations
3. Evaluate the threat
4. Determine threat COA

REFERENCES:

1. MCRP 2-12A Intelligence Preparation of the Battlefield (IPB)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17420 Maneuver/Training Area, Heavy Forces

---

1803-CMDC-1209: Apply Employment Fundamentals and Principles

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

DESCRIPTION: While mounted or dismounted, the Rifle Company Commander coordinates AAV direct fires through the AAV Platoon Commander. The command relationship of the AA Platoon Commander and Rifle Company Commander is critical to the employment of the mechanized infantry team on the battlefield.

MOS PERFORMING: 1803

BILLETS: Platoon Commander

GRADES: 2NDLT, 1STLT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given Assault Amphibious platoon.

STANDARD: To establish command relationship with supported unit commander.

PERFORMANCE STEPS:

1. Determine Assault Amphibious Vehicle variant capabilities / limitations
2. Determine command relationships
3. Determine task organization
4. Apply movement considerations

REFERENCES:

1. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
  2. MMS 04/05 Unnecessary Friction inside the Marine Corps' Mechanized Infantry Companies
- 

1803-CMDC-1210: Advise Supported Unit Commander on Assault Amphibious Vehicle Employment

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1803

BILLETS: Platoon Commander

GRADES: 2NDLT, 1STLT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission.

STANDARD: To provide support within the vehicle's capabilities.

PERFORMANCE STEPS:

1. Brief the vehicle limitations/capabilities
2. Brief the vehicle offense employment
3. Brief the vehicle defense employment
4. Brief the vehicle amphibious employment
5. Brief the weapons tactical employment
6. Brief C7 capabilities
7. Brief the logistical requirements
8. Brief the vehicle safety guidelines

REFERENCES:

1. MCRP 3-13.1A The Mechanized Infantry Platoon and Squad (APC)
  2. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
  3. MCWP 3-40.1 Marine Air-Ground Task Force Command and Control
- 

1803-VOPS-1301: Conduct Operational Checks

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1803

BILLETS: Platoon Commander

GRADES: 2NDLT, 1STLT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibious Vehicle with crew, resources and TM 09674A-10/3C.

STANDARD: To ensure operational readiness.

PERFORMANCE STEPS:

1. Verify completion of pre-operation checklist
2. Verify completion of during operation checklist
3. Verify completion of at-halt operation checklist
4. Verify completion of after operation checklist
5. Verify completion of pre-water checklist

REFERENCES:

1. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)
- 

1803-VOPS-1302: Conduct Preventive Maintenance Checks and Services

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1803

BILLETS: Platoon Commander

GRADES: 2NDLT, 1STLT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibious Vehicle, collateral material and TM 09674A-10/3C.

STANDARD: To maintain vehicle readiness.

PERFORMANCE STEPS:

1. Ensure PMCS of the vehicle components are completed
2. Ensure PMCS of the Upgunned Weapons Station is completed
3. Ensure PMCS of the communication equipment is completed
4. Ensure PMCS of the special mission kits are completed
5. Ensure lubrication is completed

REFERENCE:

1. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)
- 

1803-VOPS-1303: Start the Engine

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1803

BILLETS: Platoon Commander

GRADES: 2NDLT, 1STLT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibious Vehicle in normal or freezing weather conditions and TM 09674A-10/3C.

STANDARD: To prevent mechanical malfunctions.

PERFORMANCE STEPS:

1. Follow the pre-operation checklist
2. Apply normal conditions starting procedures
3. Apply freezing conditions starting procedures

REFERENCE:

1. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)
- 

1803-VOPS-1304: Start the Engine by Alternate Means

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1803

BILLETS: Platoon Commander

GRADES: 2NDLT, 1STLT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a disabled Assault Amphibious Vehicle and TM 09674A-10/3C.

STANDARD: To restore the vehicle to an operational status.

PERFORMANCE STEPS:

1. Follow the pre-operation checklist
2. Follow slave start procedures
3. Follow tow start procedures

REFERENCES:

1. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)
- 

1803-VOPS-1305: Drive the Assault Amphibious Vehicle

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1803

BILLETS: Platoon Commander

GRADES: 2NDLT, 1STLT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a crew and land operational area.

STANDARD: To negotiate in various types of terrain.

PERFORMANCE STEPS:

1. Determine direction of movement
2. Place vehicle in motion
3. Identify vehicle limitations
4. Negotiate obstacles
5. Stop vehicle
6. Stop the engine

REFERENCE:

1. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17907 Tracked Vehicle Drivers Course

---

1803-VOPS-1306: Operate Driver's Vision Enhancer

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1803

BILLETS: Platoon Commander

GRADES: 2NDLT, 1STLT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibious Vehicle.

STANDARD: To prevent mechanical malfunctions.

PERFORMANCE STEPS:

1. Conduct pre-operations checks
2. Install driver's unit and commander's display assembly
3. Use driver's unit and commander's display assembly
4. Remove driver's unit and commander's display assembly
5. Maintain DVE

REFERENCE:

1. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17420 Maneuver/Training Area, Heavy Forces

---

1803-VOPS-1307: Operate Smoke Generation System

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1803

BILLETS: Platoon Commander

GRADES: 2NDLT, 1STLT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibious Vehicle and operational area.

STANDARD: To obscure the vehicle.

PERFORMANCE STEPS:

1. Prepare the vehicle for smoke generation use
2. Operate the system
3. Shutdown the system

REFERENCE:

1. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17420 Maneuver/Training Area, Heavy Forces

---

1803-VOPS-1308: Conduct Emergency Maintenance Procedures on Assault Amphibious Vehicle Subsystems

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1803

BILLETS: Platoon Commander

GRADES: 2NDLT, 1STLT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given leaking contact cooler or hydraulic system and references.

STANDARD: To restore the vehicle to an operational status.

PERFORMANCE STEPS:

1. Verify completion of contact cooler bypass procedures
2. Verify completion of emergency closing of the plenums

REFERENCE:

1. TM 09674A-10/3C Operator's Manual, AAV 7A1 FoV (Special Mission Kits)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17411 Maneuver/Training Area,  
Amphibious Forces

---

1803-VOPS-1309: Conduct Land Tow

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1803

BILLETS: Platoon Commander

GRADES: 2NDLT, 1STLT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a disabled Assault Amphibious Vehicle and required vehicles with crew, equipment and references.

STANDARD: To move the disabled AAV.

PERFORMANCE STEPS:

1. Prepare disabled vehicle for towing
2. Tow using tow bar
3. Tow using tow cables

REFERENCES:

1. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17420 Maneuver/Training Area, Heavy  
Forces

---

1803-VOPS-1310: Conduct Demolition

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1803

BILLETS: Platoon Commander

GRADES: 2NDLT, 1STLT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a method of destruction.

STANDARD: To prevent enemy use.

PERFORMANCE STEPS:

1. Determine the criteria to conduct demolition
2. Remove salvageable items
3. Determine methods of destruction available
4. Determine the items to be destroyed
5. Destroy identified equipment

REFERENCES:

1. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)
  2. TM 10004A-10/1D Upgunned Weapons Station, Assault Amphibious Vehicle
- 

1803-VOPS-1311: Install Special Mission Kit

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Assault Amphibious Vehicle Special Mission Kits include: Enhanced Appliqué' Armor Kit, Litter Kit, Mk 154 Linear Mine Clearing Kit, Winterization Kit and Visor Kit.

MOS PERFORMING: 1803

BILLETS: Platoon Commander

GRADES: 2NDLT, 1STLT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibious Vehicle, collateral material and references.

STANDARD: To add to the capabilities of the vehicle.

PERFORMANCE STEPS:

1. Conduct PMCS on kit
2. Lubricate kit components
3. Install kit

REFERENCES:

1. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)
- 

1803-CSS-1501: Inspect Equipment Repair Order Shopping List

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

MOS PERFORMING: 1803

BILLETS: Platoon Commander

GRADES: 2NDLT, 1STLT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given NAVMC 10925 and references.

STANDARD: To replace missing or unserviceable components.

PERFORMANCE STEPS:

1. Verify header section
2. Verify transaction section
3. Sign Equipment Repair Order Shopping List

REFERENCES:

1. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
  2. UM 4700.5 MIMMS Field Procedures Manual
- 

1803-CSS-1502: Monitor Daily Progress Report

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

MOS PERFORMING: 1803

BILLETS: Platoon Commander

GRADES: 2NDLT, 1STLT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given Assault Amphibious Vehicle platoon and references.

STANDARD: To ensure all entries are current and correct.

PERFORMANCE STEPS:

1. Identify elements of DPR
2. Verify job status
3. Verify parts status
4. Report readiness to Company Commander

REFERENCES:

1. MCO P4790.2C MIMMS Field Procedures Manual (JUL 94)
  2. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
- 

1803-CSS-1503: Conduct Vehicle Inspection

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1803

BILLETS: Platoon Commander

GRADES: 2NDLT, 1STLT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibious platoon and TM 09674A-10/3C.

STANDARD: To ensure accountability, serviceability and operational readiness of unit equipment.

PERFORMANCE STEPS:

1. Inspect SL-3
2. Inspect the AAV and systems
3. Inspect logbook
4. Inspect the weapon(s)
5. Inspect the communication system
6. Verify that any defects are noted on Equipment Repair Order and Equipment Repair Order Shopping List

REFERENCES:

1. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)
  2. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
  3. UM 4790-5 MIMMS AIS, Field Maintenance Procedures
- 

1803-CSS-1504: Conduct Recovery Operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1803

BILLETS: Platoon Commander

GRADES: 2NDLT, 1STLT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a disabled Assault Amphibious Vehicle and additional vehicles with crew and equipment.

STANDARD: To retrieve the disabled Assault Amphibious Vehicle.

PERFORMANCE STEPS:

1. Identify tactical/non-tactical conditions
2. Identify types of assets required
3. Prepare disabled vehicle and assets
4. Execute recovery procedures

REFERENCES:

1. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
2. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17411 Maneuver/Training Area, Amphibious Forces  
Facility Code 17420 Maneuver/Training Area, Heavy Forces

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Recovery operations include all types of environments: land and water.

---

1803-AMPH-1601: Conduct Embarkation and Debarkation

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1803

BILLETS: Platoon Commander

GRADES: 2NDLT, 1STLT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibious Vehicle with crew and an amphibious ship.

STANDARD: To prevent damage to vessels.

PERFORMANCE STEPS:

1. Perform embarkation procedures
2. Perform vehicle dogging procedures
3. Perform debarkation procedures

REFERENCES:

1. COMNAVSURFLANTINST 3340.3 C Wet Well Operations Manual
2. MCRP 3-31B Amphibious Ships and Landing Craft Data Book
3. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17411 Maneuver/Training Area, Amphibious Forces

EQUIPMENT: Amphibious shipping required to accomplish this task.

---

1803-AMPH-1602: Drive the Assault Amphibious Vehicle in Water

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1803

BILLETS: Platoon Commander

GRADES: 2NDLT, 1STLT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a crew and amphibious operations area.

STANDARD: To negotiate various bodies of water.

PERFORMANCE STEPS:

1. Ensure water tight integrity
2. Follow land to water procedures
3. Utilize bow plane
4. Employ water driving techniques
5. Follow water to land procedures

REFERENCE:

1. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17411 Maneuver/Training Area,  
Amphibious Forces

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: While operating an AAVP7A1, ensure that the turret is prepared for waterborne operations and facing forward (zero degrees on the azimuth ring). When conducting water operations in all variants and when the bow plane is not employed, the hatches must remain in the closed position. The bow plane must be employed IAW with MARCORSSCOM Safety of Use Message (DTG: 191823Z Apr 11) while conducting water operations. Under no circumstances shall the hand throttle be used during water operations.

---

1803-AMPH-1603: Evacuate Embarked Personnel

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1803

BILLETS: Platoon Commander

GRADES: 2NDLT, 1STLT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given distressed waterborne Assault Amphibious Vehicle with crew.

STANDARD: To prevent injury or loss of life while executing steps in sequence.

PERFORMANCE STEPS:

1. Follow vehicle commander emergency procedures afloat
2. Supervise driver emergency procedures afloat
3. Supervise crewman emergency procedures afloat
4. Perform water survival techniques

REFERENCES:

1. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17330 Covered Training Area

---

1803-AMPH-1604: Conduct Water Tow

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1803

BILLETS: Platoon Commander

GRADES: 2NDLT, 1STLT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a disabled and an operational Assault Amphibious Vehicle, crew and equipment.

STANDARD: To move the disabled vehicle.

PERFORMANCE STEPS:

1. Prepare disabled vehicle for towing
2. Tow disabled vehicle

REFERENCES:

1. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
2. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17411 Maneuver/Training Area, Amphibious Forces

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Position the turret of the towing vehicle oriented to the front (12 o'clock) with the Platoon Commander hatch locked at 90 degrees with the axe mounted on the turret.

---

1803-AMPH-1605: Complete Modified Surf Index

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 3 months

MOS PERFORMING: 1803

BILLETS: . Platoon Commander

GRADES: 2NDLT, 1STLT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Give Assault Amphibious platoon and amphibious mission.

STANDARD: To determine go/no go criteria for Assault Amphibious Vehicle amphibious operations.

PERFORMANCE STEPS:

1. Compile surf composition data
2. Complete Surf Observation report
3. Compile Modified Surf Index
4. Submit reports

REFERENCE:

1. COMNAVSURFLANTINST 3840.IB Joint Surf Manual

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17908 Amphibious Vehicle Training Area

---

1803-AMPH-1606: Egress the AAV

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 4 years

BILLETS: Platoon Commander

GRADES: 2ndLt - 1stLt

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a rapidly sinking or submerged AAV.

STANDARD: In order to reach the surface of the water.

PERFORMANCE STEPS:

1. Unfasten seatbelt
2. Unlock assigned hatch
3. Employ life support equipment as required
4. Exit vehicle
5. Swim to surface

REFERENCES:

1. ASSAULT AMPHIBIAN VEHICLE COMMON SOP
2. TM 3-39.31 Armored Security Vehicle
3. TC 55-HEAT

SUPPORT REQUIREMENTS:

RANGE TRAINING AREAS: 17955, Combat Training Pool/Tank

OTHER SUPPORT REQUIREMENTS: This task shall be trained using the Submerged Vehicle Egress Trainer (SVET). Egress drills should be conducted

on AAV while parked at the ramp or during field exercises, but the training will not be satisfied by any means other than SVET.

ADMINISTRATIVE NOTES:

1. The Shallow Water Initial Memory Mechanical Exit Release (SWIMMER) and the Shallow Water Egress Trainer (SWET) is utilized by the Naval Survival Training Institute (NSTI) as part of their egress training continuum to increase Marines' comfort in the water as well as their proficiency in SVET and AAV egress. SWIMMER and SWET are available at all 8 NSTI training sites, but are not currently utilized by the Marine Corps. If possible, unit training shall include SWIMMER and SWET training prior to using the SVET.
2. Reserve training will take place at Initial Location for Mobilization (ILOC) or during two week annual training (AT).

---

1803-TAC-1701: Camouflage an Assault Amphibious Vehicle

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1803

BILLETS: Platoon Commander

GRADES: 2NDLT, 1STLT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibious Vehicle, crew and equipment.

STANDARD: To avoid enemy observation.

PERFORMANCE STEPS:

1. Prepare camouflage system
2. Employ camouflage system
3. Stow camouflage system

REFERENCES:

1. TM 5-1080-200-10 Lightweight Camouflage Screen System and Support System

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17420 Maneuver/Training Area, Heavy Forces

---

1803-TAC-1702: Conduct Operations in Special Terrain

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

MOS PERFORMING: 1803

BILLETS: Platoon Commander

GRADES: 2NDLT, 1STLT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given Assault Amphibian platoon, area of operations and higher's operation order.

STANDARD: To exploit vehicle capabilities within environmental limitations.

PERFORMANCE STEPS:

1. Operate in jungle environment
2. Conduct riverine operations
3. Execute a river crossing
4. Operate in urban terrain
5. Operate in desert environment
6. Operate in mountainous terrain
7. Operate in cold weather

REFERENCE:

1. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17420 Maneuver/Training Area, Heavy Forces

---

AAV T&R MANUAL

Chapter 7

MOS 1833 INDIVIDUAL EVENTS

	PARAGRAPH	PAGE
PURPOSE. . . . .	7000	7-2
EVENT CODING . . . . .	7001	7-2
ADMINISTRATIVE NOTES . . . . .	7002	7-2
PREREQUISITES . . . . .	7003	7-2
BILLET DESCRIPTION/CORE CAPABILITIES . . . . .	7004	7-2
INDEX OF INDIVIDUAL EVENTS . . . . .	7005	7-11
1000-LEVEL EVENTS . . . . .	7006	7-13
2000-LEVEL EVENTS . . . . .	7007	7-37

AAV T&R MANUAL

Chapter 7

MOS 1833 INDIVIDUAL EVENT

**7000. PURPOSE.** The purpose of 1000-level training is to provide the knowledge and skills required to perform as an Assault Amphibious Vehicle (AAV) Crewman. 2000-level events are Core Plus events, with initial training settings of either MOJT or through resident career progression training (Assault Amphibian Unit Leader Course)/distance learning PME.

**7001. EVENT CODING.** Events in the T&R Manual are depicted with a 12 field alphanumeric system, i.e. XXXX-XXXX-XXXX. This chapter utilizes the following methodology:

a. Field one - Each event in this chapter begins with "1833" indicating that the event is for AAV Crewmen.

b. Field two - This field is alpha characters indicating a functional area. Functional areas for AAV Crewmen are:

GNNY - Gunnery	CMDC - Command and Control
VOPS - Vehicle Operations	CBTS - Combat Support
CSS - Combat Service Support	AMPH - Amphibious Operations
TAC - Tactical Operation	

c. Field three - This field provides numerical sequencing.

**7002. ADMINISTRATIVE NOTES.** Each event may contain a paragraph that describes internal and external Support Requirements the unit and Marines will need to complete the event. Ranges/Training Areas are described in this section with plain-language description. They are also described using the Range/Facility Codes that identify the type of range and/or training area needed to accomplish the Event. Marines can use the codes to find information about available ranges at their geographic location by using the web-based Range/Training Area Management System (see TECOM website). Ultimate use of the Range/Training Area Code is to relate ranges to readiness by identifying those Events that cannot be accomplished at a certain location due to lack of ranges.

**7003. PREREQUISITES.** The Marine 1833 AAV Crewman will have completed the Assault Amphibian Crewman Course before reporting in at AAV Bn.

**7004. BILLET DESCRIPTION/CORE CAPABILITIES**

**1. CAREER PROGRESSION PHILOSOPHY.** The AAV Crewman will complete the Assault Amphibian Crewman Course, Assault Amphibious School, Camp Pendleton, CA. Upon graduation, the AAV Crewman will conduct additional Level 2000 training in an Assault Amphibian unit in a variety of billets. Level 2 training

continues through completion of Career, Intermediate, and Advanced Level Professional Military Education (PME), available through resident, seminar and distance learning courses.

**2. BILLET: Crewman, AAVP7.** Junior 1833 Crewman on the AAV.

a. Core Capabilities:

- (1) Executes Vehicle Commander's commands related to employment and function of the AAV.
- (2) Drives AAV.
- (3) Assist Vehicle Commander with acquiring targets.
- (4) Assists in vehicle operational checks of AAV.
- (5) Assists with Preventative Maintenance Checks and Services on AAV.
- (6) Assists in embarking and debarking of the infantry.
- (7) Maintains good order and discipline in the troop compartment.
- (8) Warns of violations to the integrity of the watertight hull.
- (9) Assists embarked personnel in vehicle evacuation.
- (10) Serves as assistant gunner to the Vehicle Commander.
- (11) Maintains vehicle security.

**3. BILLET: Vehicle Commander, AAVP7.** Senior 1833 Crewman on the AAV. The Vehicle Commander leads a crew of two and is responsible for the maintenance and operation of the AAVP7A1 and all associated collateral gear. The Vehicle Commander operates the Upgunned Weapons Station.

a. Core Capabilities:

- (1) Responsible for AAV crewman.
- (2) Responsible for embarked personnel.
- (3) Maintains vehicle administrative documents.
- (4) Executes Section Leader's commands related to employment and function of the AAV.
- (5) Employs Upgunned Weapons Station

**4. BILLET: Section Leader, AAVP7.** Senior 1833 Crewman in the AAV Section with three or more vehicles. The Section Leader leads all vehicle crews and is responsible for all vehicles and associated collateral equipment in his section. The Section Leader is positioned in the Upgunned Weapons Station. During water operations, either in the ocean or river, the Assault Amphibian

Section Leader maintains control of the tactical movement of the Assault Amphibian section.

a. Core Capabilities:

- (1) Responsible for AAV crewman within section.
- (2) Responsible for embarked personnel within section.
- (3) Audits section's administrative documents.
- (4) Executes Platoon Commander's commands related to employment and function of the AAV section.
- (5) Employs section's Ugunned Weapons Stations in direct fire role.
- (6) Advises supported unit commander.

**5. BILLET: Platoon Sergeant, Assault Amphibian Platoon.** Senior 1833 and second in command of the Assault Amphibian Platoon. Positioned in the Ugunned Weapons Station of the platoon's logistics vehicle. He is responsible for maintaining the platoon's vehicles and all associated collateral gear. He advises the Assault Amphibian Platoon Commander on training, welfare, administrative functions and tactical employment of the platoon.

a. Core Capabilities:

- (1) Responsible for AAV crewman within platoon.
- (2) Responsible for vehicles and collateral equipment within platoon.
- (3) Audits administrative documents and assists in all maintenance management functions of the platoon.
- (4) Employs Ugunned Weapons Stations.
- (5) Advises supported unit commander.
- (6) Assumes command in Platoon Commanders absence.
- (7) Coordinates embarkation of vehicles and platoon.
- (8) Coordinates logistical support for Assault Amphibian platoon.
- (9) Coordinates all recovery and evacuation operations.

**6. BILLET: Crewman, AAVC7.** Junior 1833 Crewman on the AAV.

a. Core Capabilities:

- (1) Executes Vehicle Commander's commands related to employment and function of the AAVC7.
- (2) Drives AAV.

- (3) Assist Vehicle Commander with acquiring targets.
- (4) Assists in vehicle operational checks of AAV.
- (5) Assists with Preventative Maintenance Checks and Services on AAV.
- (6) Assists in embarking and debarking of the infantry.
- (7) Warns of violations to the integrity of the watertight hull.
- (8) Assists embarked personnel in vehicle evacuation.
- (9) Serves as assistant gunner to the Vehicle Commander.
- (10) Maintains vehicle security.

**7. BILLET: Vehicle Commander, AAVC7.** Senior 1833 Crewman on the AAVC7. The Vehicle Commander leads a crew of two and is responsible for the maintenance and operation of the AAVC7A1 and all associated collateral gear. The Vehicle Commander station mounts the defensive medium machine gun.

a. Core Capabilities:

- (1) Responsible for AAV crewman.
- (2) Responsible for embarked personnel.
- (3) Maintains vehicle administrative documents.
- (4) Executes Section Leader's commands related to employment and function of the AAV.
- (5) Employs Medium Machine Gun in defense of vehicle.

**8. BILLET: Section Leader, Assault Amphibian Command Section.** Senior 1833 Crewman in the AAV Section with two or more vehicles, with at least one of the vehicles an AAVC7. The Section Leader leads all vehicle crews and is responsible for all vehicles and associated collateral equipment in his section.

a. Core Capabilities:

- (1) Responsible for AAV crewman within section.
- (2) Responsible for embarked personnel within section.
- (3) Audits section's administrative documents.
- (4) Executes supported unit Commander's commands related to employment and function of the AAV Command section.
- (5) Employs section's Upgunned Weapons Stations and medium machine guns in defensive role.
- (6) Advises supported unit commander.

9. **BILLET: Crewman, Mk 1 Mod 0 Mine Clearance System.** Junior 1833 Crewman on the AAV.

a. Core Capabilities:

- (1) Executes Vehicle Commander's commands related to employment and function of the AAV.
- (2) Drives AAV.
- (3) Assist Vehicle Commander with acquiring targets.
- (4) Assists in vehicle operational checks of AAV.
- (5) Assists with Preventative Maintenance Checks and Services on AAV.
- (6) Warns of violations to the integrity of the watertight hull.
- (7) Serves as assistant gunner to the Vehicle Commander.
- (8) Maintains vehicle security.
- (9) Assists in deploying Mk 1 Mod 0 Mine Clearance System

10. **BILLET: Vehicle Commander, Mk 1 Mod 0 Mine Clearance System.** Senior 1833 Crewman on the AAV with Mk 154 installed. The Vehicle Commander leads a crew of two and is responsible for the maintenance and operation of the AAVP7A1 and all associated collateral gear. The Vehicle Commander operates the Ugunned Weapons Station.

a. Core Capabilities:

- (1) Responsible for AAV crewman.
- (2) Responsible for Mk 154 Mod 0 kit.
- (3) Maintains vehicle administrative documents.
- (4) Executes Section or Team Leader's commands related to employment and function of the Mk 1 Mod 0 Mine Clearance System.
- (5) Employs Ugunned Weapons Station

11. **BILLET: Team Leader, Mk 1 Mod 0 Mine Clearance System.** Senior 1833 Crewman in the AAV Team with four or more vehicles, at least two vehicles have Mk 154 installed. The Team Leader leads all vehicle crews and is responsible for all vehicles and associated collateral equipment in his section. The Team Leader is positioned in the Ugunned Weapons Station. During water operations, either in the ocean or river, the Assault Amphibian Team Leader maintains control of the tactical movement of the Assault Amphibian team.

a. Core Capabilities:

- (1) Responsible for AAV crewman within team.

- (2) Responsible for embarked personnel within team.
- (3) Audits team's administrative documents.
- (4) Executes Breach Force Commander's commands related to employment and function of the AAV team.
- (5) Employs team's Upgunned Weapons Stations in direct fire role.
- (6) Advises supported unit commander.

**12. BILLET: Section Leader, Mk 1 Mod 0 Mine Clearance System.** Senior 1833 Crewman in the AAV Section with eight or more vehicles, at least four vehicles have Mk 154 installed. The Section Leader leads all vehicle crews and is responsible for all vehicles and associated collateral equipment in his section. The Section Leader is positioned in the Upgunned Weapons Station. During water operations, either in the ocean or river, the Assault Amphibian Section Leader maintains control of the tactical movement of the Assault Amphibian section.

a. Core Capabilities:

- (1) Responsible for AAV crewman within section.
- (2) Responsible for embarked personnel within section.
- (3) Audits section's administrative documents.
- (4) Executes Breach Force Commander's commands related to employment and function of the AAV section.
- (5) Employs section's Upgunned Weapons Stations in direct fire role.
- (6) Advises supported unit commander.

**13. BILLET: Platoon Sergeant, Assault Amphibian Mine Countermeasure Platoon.** Senior 1833 and second in command of the Assault Amphibian MCM Platoon. Positioned in the Upgunned Weapons Station of the platoon's logistics vehicle. He is responsible for maintaining the platoon's vehicles and all associated collateral gear. He advises the Assault Amphibian Platoon Commander on training, welfare, administrative functions and tactical employment of the platoon.

a. Core Capabilities:

- (1) Responsible for AAV crewman within platoon.
- (2) Responsible for vehicles and collateral equipment within platoon.
- (3) Audits administrative documents and assists in all maintenance management functions of the platoon.
- (4) Employs Upgunned Weapons Stations.
- (5) Advises supported unit commander.

- (6) Assumes command in Platoon Commanders absence.
- (7) Coordinates embarkation of vehicles and platoon.
- (8) Coordinates logistical support for Assault Amphibian platoon.
- (9) Coordinates all recovery and evacuation operations.

**14. BILLET: Company Logistics Chief.** Second most senior 1833 Marine in the AA company who is responsible for all logistical requirements. He assists the Company Operations Chief and the executive officer in the logistical planning of the company.

a. Core Capabilities

- (1) Advises the company commander on unit logistical requirements.
- (2) Coordinates company logistical support.
- (3) Assists in development of logistical requirements and support for operations.
- (4) Determines logistical requirements.
- (5) Coordinates company embarkation plans.
- (6) Coordinates embarkation of company vehicles and personnel.
- (7) Monitors company hazardous material section.
- (8) Assists the Executive officer and Company Operations Chief in planning future operations.
- (9) Instructs company personnel in general and specific military subjects, technical subjects, and safety procedures.
- (10) Trains AA Platoon Sergeants in performance of duties.
- (11) Mentors the Staff Non Commissioned Officers of the Company

**15. BILLET: Company Operations Chief.** Senior 1833 Marine in the AA company. Advises the company commander on training and operations of the AA company.

a. Core Capabilities

- (1) Advises the company commander in monitoring, conducting, reporting, and supervising unit training.
- (2) Coordinates and Evaluates Company individual and unit training.
- (3) Conducts quartering party operations.
- (4) Coordinates COC setup and operations.
- (5) Serves as senior enlisted Marine in combat operations center.

- (6) Coordinates assembly area activities.
- (7) Coordinates operations section embarkation plans.
- (8) Assists the Executive officer in planning future operations.
- (10) Advises the AA company commander on all 1833 Marine matters.
- (11) Instructs company personnel in general and specific military subjects, technical subjects, and safety procedures.
- (12) Trains AA platoon Sergeants in performance of duties.
- (13) Mentors the Staff Non Commissioned Officers of the Company.

**16. BILLET: Battalion Logistics Chief.** Senior 1833 Marine in the battalion logistics section.

a. Core Capabilities

- (1) Advises the logistics officer on unit logistical requirements.
- (2) Coordinates battalion logistical support.
- (3) Assists in development of logistical requirements and support for operations.
- (4) Determines logistical requirements for unit training.
- (5) Coordinates battalion embarkation plans.
- (6) Monitors battalion hazardous material section.
- (7) Coordinates LOC setup and operations.
- (8) Serves as senior enlisted in LOC.

**17. BILLET: Battalion Operations Chief.** Senior 1833 Marine in the battalion operations section.

a. Core Capabilities

- (1) Advises the operations officer on unit training.
- (2) Coordinates battalion individual and unit training.
- (3) Coordinates COC setup and operations.
- (4) Serves as senior enlisted Marine in combat operations center.
- (5) Coordinates assembly area activities.
- (6) Evaluates individual and unit training.
- (7) Coordinates operations section embarkation plans.

- (8) Assists the operations officer in planning future operations.
- (9) Advises the AA battalion commander on all 1833 Marine matters.

7005. INDEX OF INDIVIDUAL EVENTS

Event Code	Eval Code	Event	Pages
		1000-LEVEL	
1833-GNRY-1101		Conduct Preventive Maintenance Checks and Services on Weapons	7-13
1833-GNRY-1102		Conduct Preventive Maintenance Checks and Services on Upgunned Weapons Station	7-13
1833-GNRY-1103		Operate Upgunned Weapons Station	7-14
1833-GNRY-1104		Assist in Headspace and Timing	7-14
1833-GNRY-1105		Install Weapons	7-15
1833-GNRY-1106		Assist in Minor Boresighting	7-15
1833-GNRY-1107		Load Weapons	7-16
1833-GNRY-1108		Zero the Upgunned Weapons Station	7-16
1833-GNRY-1109		Utilize a Range Card	7-17
1833-GNRY-1110		Identify Combat Vehicles	7-18
1833-GNRY-1111		Engage Stationary Target from a Stationary Position	7-18
1833-GNRY-1112		Conduct Failure to Fire Procedures	7-19
1833-GNRY-1113		Shut Down Upgunned Weapons Station	7-20
1833-GNRY-1114		Remove Weapons	7-20
1833-CMDC-1201		Communicate Using Visual Signals	7-21
1833-CMDC-1202		Identify Signals	7-22
1833-CMDC-1203		Conduct Internal and External Communications	7-22
1833-CMDC-1204		Conduct Operational Safety	7-23
1833-CMDC-1205		Apply Employment Fundamentals and Principles	7-24
1833-VOPS-1301		Conduct Operational Checks	7-24
1833-VOPS-1302		Embark Personnel	7-25
1833-VOPS-1303		Start the Engine	7-25
1833-VOPS-1304		Start the Engine by Alternate Means	7-26
1833-VOPS-1305		Drive the Assault Amphibious Vehicle	7-26
1833-VOPS-1306		Identify a System Malfunction	7-27
1833-VOPS-1307		Conduct Emergency Maintenance Procedures on Assault Amphibious Vehicle Subsystems	7-27
1833-VOPS-1308		Operate Smoke Generation System	7-28
1833-VOPS-1309		Conduct Land Tow	7-29
1833-VOPS-1310		Operate Driver's Vision Enhancer	7-29
1833-VOPS-1311		Conduct Preventive Maintenance Checks and Services	7-30
1833-VOPS-1312		Conduct Preventive Maintenance Checks and Services on Communications Equipment	7-30
1833-VOPS-1313		Install Special Mission Kit	7-31
1833-AMPH-1601		Conduct Pre-Water Operation Checks	7-31
1833-AMPH-1602		Conduct Embarkation and Debarkation	7-32
1833-AMPH-1603		Drive the Assault Amphibious Vehicle in Water	7-32

1833-AMPH-1604		Conduct Water Tow	7-33
1833-AMPH-1605		Assist Evacuation of Embarked Personnel	7-34
1833-AMPH-1606		Egress the AAV	7-35
1833-TAC-1701		Camouflage an Assault Amphibious Vehicle	7-35
		<b>2000-LEVEL</b>	
1833-GNRY-2101		Set Inhibit Zone for the Ugunned Weapons Station	7-37
1833-GNRY-2102		Conduct Detailed Disassembly / Assembly	7-37
1833-GNRY-2103		Set Headspace and Timing	7-38
1833-GNRY-2104		Boresight Ugunned Weapons Station	7-38
1833-GNRY-2105		Prepare Range Card	7-39
1833-GNRY-2106		Create Fire Plan Sketch	7-40
1833-GNRY-2107		Identify Combat Vehicles	7-40
1833-GNRY-2108		Engage Stationary Targets	7-41
1833-GNRY-2109		Install 240	7-42
1833-GNRY-2110		Engage a Target with M240	7-43
1833-GNRY-2111		Remove M240	7-43
1833-CMDC-2201		Control Radio Communications	7-44
1833-CMDC-2202		Respond to Signals	7-44
1833-CMDC-2203		Conduct Operational Safety	7-45
1833-CMDC-2204		Operate Command Communication System	7-46
1833-CMDC-2205		Assist in the Development of Intelligence Preparation of the Battlefield Products	7-46
1833-CMDC-2206		Issue a Fragmentary Order	7-47
1833-CMDC-2207		Submit Reports	7-47
1833-CMDC-2208		Advise Infantry on Assault Amphibious Vehicle Employment	7-48
1833-VOPS-2301		Maintain Logbook	7-48
1833-VOPS-2302		Inspect Operational Checks	7-49
1833-VOPS-2303		Inspect Preventive Maintenance Checks and Services	7-49
1833-VOPS-2304		Inspect Emergency Maintenance Procedures	7-50
1833-VOPS-2305		Conduct Recovery Operations	7-50
1833-VOPS-2306		Conduct Demolition	7-51
1833-CBTS-2401		Conduct Preventive Maintenance Checks and Services on Mk 154 Launcher Mine Clearance System	7-52
1833-CBTS-2402		Install Mk 154 Launcher Mine Clearance System	7-52
1833-CBTS-2403		Load Ordnance Material	7-53
1833-CBTS-2404		Deploy Mk 1 Mod 0 Mine Clearance System	7-54
1833-CBTS-2405		Unload Ordnance	7-55
1833-CBTS-2406		Remove Mk 154 Launcher Mine Clearance System	7-55
1833-CBTS-2407		Advise Breach Force Commander	7-56
1833-CSS-2501		Track Administrative Maintenance Processes	7-56
1833-CSS-2502		Monitor Daily Process Report	7-57
1833-CSS-2503		Inspect Vehicles	7-57
1833-AMPH-2601		Evacuate Embarked Personnel	7-58
1833-AMPH-2602		Complete Modified Surf Index	7-59
1833-TAC-2701		Conduct Operations in Special Terrain	7-59

7006. 1000-LEVEL EVENTS

1833-GNRY-1101: Conduct Preventive Maintenance Checks and Services on Weapons

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Vehicle Crewman

GRADES: PVT, PFC, LCPL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given Mk 19 and M2 machineguns and references.

STANDARD: To keep equipment in operating condition and ready for its primary mission.

PERFORMANCE STEPS:

1. Perform safety check
2. Disassemble the weapon
3. Inspect, clean and lubricate the components
4. Report worn or defective parts
5. Assemble the weapon
6. Perform function check

REFERENCES:

1. TM 02498A-10/2 Operator's Manual, Machine Guns, Caliber .50; Browning, M2 Heavy Barrel
2. TM 08521A-10/1A Operator's Manual, Machinegun 40mm, MK19 Mod 3

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This task is reference specific. Care must be taken to perform each step in accordance with the references.

---

1833-GNRY-1102: Conductive Preventive Maintenance Checks and Services on Ungunned Weapons Station

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Vehicle Crewman

GRADES: PVT, PFC, LCPL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given collateral material and reference.

STANDARD: To keep equipment in operating condition and ready for its primary mission.

PERFORMANCE STEPS:

1. Apply PMCS to turret exterior
2. Apply PMCS to turret interior
3. Lubricate turret components

REFERENCE:

1. TM 10004A-10/1D Uppgunned Weapons Station, Assault Amphibious Vehicle
- 

1833-GNRY-1103: Operate Uppgunned Weapons Station

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Vehicle Crewman

GRADES: PVT, PFC, LCPL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibious Vehicle.

STANDARD: To ensure readiness of all components.

PERFORMANCE STEPS:

1. Complete pre-operation checklist
2. Manipulate electrical components
3. Manipulate manual components

REFERENCE:

1. TM 10004A-10/1D Uppgunned Weapons Station, Assault Amphibious Vehicle
- 

1833-GNRY-1104: Assist in Headspace and Timing

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Vehicle Crewman

GRADES: PVT, PFC, LCPL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an M2, collateral equipment and reference.

STANDARD: To prepare weapon for firing.

PERFORMANCE STEPS:

1. Assist adjusting headspace
2. Assist adjusting timing

REFERENCE:

1. TM 02498A-10/2 Operator's Manual, Machine Guns, Caliber .50; Browning, M2 Heavy Barrel

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This task is reference specific. Care must be taken to perform each step in accordance with the reference. Headspace and timing must be performed each time a barrel is installed.

---

1833-GNRY-1105: Install Weapons

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Vehicle Crewman

GRADES: PVT, PFC, LCPL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given machineguns, Ugunned Weapons Station and reference.

STANDARD: To prepare the UGWS to fire.

PERFORMANCE STEPS:

1. Install Mk 19
2. Install M2

REFERENCES:

1. TM 10004A-10/1D Ugunned Weapons Station, Assault Amphibious Vehicle
- 

1833-GNRY-1106: Assist in Minor Boresighting

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Vehicle Crewman

GRADES: PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibious Vehicle with crew, machineguns, boresighting kit and reference.

STANDARD: To provide a true sight line adjustment.

PERFORMANCE STEPS:

1. Assist with boresight procedures for M36E\_
2. Assist with retention procedures

REFERENCES:

1. TM 10004A-10/1D Upgunned Weapons Station, Assault Amphibious Vehicle
  2. TM 8F419D1/4 Upgunned Weapons Station M36E Thermal Sighting System
- 

1833-GNRY-1107: Load Weapons

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Vehicle Crewman

GRADES: PVT, PFC, LCPL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibious Vehicle and ammunition.

STANDARD: To prepare Upgunned Weapons Station to fire.

PERFORMANCE STEPS:

1. Load Mk 19
2. Load M2
3. Load M257

REFERENCE:

1. TM 10004A-10/1D Upgunned Weapons Station, Assault Amphibious Vehicle
- 

1833-GNRY-1108: Zero the Upgunned Weapons Station

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Live fire gunnery designed to zero the Upgunned Weapons Station.

MOS PERFORMING: 1833

BILLETS: Vehicle Crewman

GRADES: PVT, PFC, LCPL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibious Vehicle, ammunition and stationary target at 400 - 700 meters.

STANDARD: To place center of beaten zone on the target.

PERFORMANCE STEPS:

1. Acquire target
2. Employ Gunnery Techniques
3. Zero the sight to the Mk 19 machine gun
4. Zero the M2 machine gun to the sight

REFERENCES:

1. FM 3-22.27 Mk 19 40mm Grenade Machine Gun Mod 3
2. FM 3-22.65 Browning Machinegun Caliber .50 HB, M2
3. TM 10004A-10/1D Upgunned Weapons Station, Assault Amphibious Vehicle

SUPPORT REQUIREMENTS:

ORDNANCE:

Weapon	MK 19 40-mm Grenade Machine Gun	<u>QTY</u>
B542	CTG, 40MM, LINKED, HE DP F/MK 19	32
Weapon	M2 .50 cal Heavy Machine Gun	<u>QTY</u>
A576	CTG, CAL .50, API-T LINK, F/M2	50

RANGE/TRAINING AREA: Facility Code 17660 Tank/Fighting Vehicle Stationary Gunnery Range

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: 1. Gunners will fire one practice and one qualification. 2. If the gunner fails to zero he is removed from the line and given additional training before attempting again. 3. Ammunition is either TP or HE DP and Ball or API-T (Only TP and Ball on Pop-up targets). 4. Machine guns can be fired manually if power is lost (non-electric).

---

1833-GNRY-1109: Utilize a Range Card

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Vehicle Crewman

GRADES: PVT, PFC, LCPL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibious Vehicle in a defensive position.

STANDARD: To engage targets with the Upgunned Weapons Station.

PERFORMANCE STEPS:

1. Verify position of the AAV
2. Apply firing data to UGWS

REFERENCE:

1. TM 10004A-10/1D Upgunned Weapons Station, Assault Amphibious Vehicle

SUPPORT REQUIREMENTS

RANGE/TRAINING AREA: Facility Code 17721 Tank/Fighting Vehicle  
Multipurpose Range Complex

---

1833-GNRY-1110: Identify Combat Vehicles

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

MOS PERFORMING: 1833

BILLETS: Vehicle Crewman

GRADES: PVT, PFC, LCPL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an operational environment.

STANDARD: To recognize friendly or enemy.

PERFORMANCE STEPS:

1. Identify characteristics of the vehicle
2. Identify type of vehicle

REFERENCE:

1. ROC-V Recognition of Combat Vehicles
- 

1833-GNRY-1111: Engage Stationary Target from a Stationary Position

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Gunnery that demonstrates engagement skills from a stationary position against stationary target(s).

MOS PERFORMING: 1833

BILLETS: Vehicle Crewman

GRADES: PVT, PFC, LCPL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a loaded Upgunned Weapons Station.

STANDARD: To suppress and destroy targets.

**PERFORMANCE STEPS:**

1. Acquire target
2. Employ gunnery techniques
3. Fire on one short range target
4. Fire on two short range targets
5. Fire on one long range target

**REFERENCES:**

1. FM 3-22.27 Mk 19 40mm Grenade Machine Gun Mod 3
2. FM 3-22.65 Browning Machinegun Caliber .50 HB, M2
3. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)

**SUPPORT REQUIREMENTS:**

**ORDNANCE:**

<b>Weapon</b>	MK 19 40-mm Grenade Machine Gun	<u>QTY</u>
B542	CTG, 40MM, LINKED, HE DP F/MK 19	64
<b>Weapon</b>	M2 .50 cal Heavy Machine Gun	<u>QTY</u>
A576	CTG, CAL .50, API-T LINK, F/M2	100

**RANGE/TRAINING AREA:** Facility Code 17721 Tank/Fighting Vehicle Multipurpose Range Complex

**MISCELLANEOUS:**

**ADMINISTRATIVE INSTRUCTIONS:** 1. Gunners will fire one practice and one qualification. 2. Ammunition is either TP or HE DP and Ball or API-T (Only TP and Ball on Pop-up targets). 3. Gunners will prepare a range card prior to live fire. 4. Short range is 400 - 800m; long range is 800 - 1800m. 5. All steps can be performed in degraded gunnery (non-electric)

---

**1833-GNRY-1112:** Conduct Failure to Fire Procedures

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 12 months

**MOS PERFORMING:** 1833

**BILLETS:** Vehicle Crewman

**GRADES:** PVT, PFC, LCPL

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Given an Assault Amphibious Vehicle currently firing Upgunned Weapons Station and an engagement area.

**STANDARD:** To identify mechanical problem and take corrective action

**PERFORMANCE STEPS:**

1. Identify malfunction
2. Identify stoppage
3. Apply immediate action procedures

REFERENCES:

1. MCWP 3-15.1 Machine Guns and Machine Gun Gunnery
2. TM 10004A-10/1D Uppunned Weapons Station, Assault Amphibious Vehicle

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17721 Tank/Fighting Vehicle  
Multipurpose Range Complex

---

1833-GNRY-1113: Shut Down Uppunned Weapons Station

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Vehicle Crewman

GRADES: PVT, PFC, LCPL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given loaded weapons.

STANDARD: To place the turret in a safe condition.

PERFORMANCE STEPS:

1. Shut down Mk 19
2. Clear Mk 19
3. Shut down M2
4. Clear M2
5. Clear M257

REFERENCE:

1. TM 10004A-10/1D Uppunned Weapons Station, Assault Amphibious Vehicle

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17660 Tank/Fighting Vehicle Stationary  
Gunnery Range

---

1833-GNRY-1114: Remove Weapons

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Vehicle Crewman

GRADES: PVT, PFC, LCPL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Upgunned Weapons Station.

STANDARD: To clear the turret.

PERFORMANCE STEPS:

1. Remove Mk 19
2. Remove M2

REFERENCES:

1. TM 10004A-10/1D Upgunned Weapons Station, Assault Amphibious Vehicle

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17660 Tank/Fighting Vehicle Stationary Gunnery Range

---

1833-CMDC-1201: Communicate Using Visual Signals

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Vehicle Crewman

GRADES: PVT, PFC, LCPL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given Assault Amphibious Vehicle with crew and an operating area.

STANDARD: To control movement of the vehicle(s).

PERFORMANCE STEPS:

1. Employ day ground guiding signals
2. Employ night ground guiding signals
3. Employ day tactical hand and arm signals
4. Employ night tactical hand and arm signals

REFERENCE:

1. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17420 Maneuver/Training Area, Heavy Forces

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Special equipment is required for night operations (i.e. cone lights, chemical light sticks, etc.)

---

1833-CMDC-1202: Identify Signals

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Vehicle Crewman

GRADES: PVT, PFC, LCPL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given standard flags, lights and markers.

STANDARD: To assist in the control of Assault Amphibious Vehicle movement.

PERFORMANCE STEPS:

1. Recognize standard beach signals/markers
2. Recognize standard naval signals/markers
3. Recognize standard tactical signals/markers
4. Recognize standard logistical signals/markers

REFERENCES:

1. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
2. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17411 Maneuver/Training Area,  
Amphibious Forces

---

1833-CMDC-1203: Conduct Internal and External Communications

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Vehicle Crewman

GRADES: PVT, PFC, LCPL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibious Vehicle, radio net and reference.

STANDARD: To communicate with crew and other elements.

PERFORMANCE STEPS:

1. Prepare the communications equipment for operations
2. Operate the Combat Vehicle Crewman's (CVC) helmet
3. Operate the vehicle intercom system
4. Operate the audio frequency amplifier

5. Operate the receiver/transmitters
6. Operate the position location systems
7. Secure communication equipment from operation

REFERENCES:

1. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)
2. TM 11-5820-1172-13 Operator and Maintenance Manual, Defense Advanced GPS Receiver (DAGR) Satellite Signals Navigation Set AN/PSN-13
3. TM 11-5820-890-10-6 SINCGARS ICOM Ground Radios Pocket Guide

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17420 Maneuver/Training Area, Heavy Forces

---

1833-CMDC-1204: Conduct Operational Safety

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Vehicle Crewman

GRADES: PVT, PFC, LCPL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibious Vehicle.

STANDARD: To ensure the safety of crew and embarked personnel.

PERFORMANCE STEPS:

1. Ensure serviceability of recovery equipment
2. Ensure serviceability of waterborne equipment
3. Secure equipment/cargo items on vehicle
4. Enforce all safety regulations with embarked personnel
5. Verify that all dismounted personnel maintain minimum safe distance from vehicle

REFERENCES:

1. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
2. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17420 Maneuver/Training Area, Heavy Forces

---

1833-CMDC-1205: Apply Employment Fundamentals and Principles

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: The command relationship of the AA platoon and supported infantry company is critical to the employment of the mechanized infantry team on the battlefield. Understanding the capabilities and limitations of the AAV are important to maximizing its flexibility and operational utility on the battlefield.

MOS PERFORMING: 1833

BILLETS: Vehicle Crewman

GRADES: PVT, PFC, LCPL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given Assault Amphibious Vehicle.

STANDARD: To establish cohesive working relationship with supported infantry unit.

PERFORMANCE STEPS:

1. Determine Assault Amphibious Vehicle variant capabilities / limitations
2. Apply movement considerations

REFERENCES:

1. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
  2. MMS 04/05 Unnecessary Friction inside the Marine Corps' Mechanized Infantry Companies
- 

1833-VOPS-1301: Conduct Operational Checks

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Vehicle Crewman

GRADES: PVT, PFC, LCPL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibious Vehicle with crew and Technical Manual.

STANDARD: So that the vehicle is maintained at optimal level.

PERFORMANCE STEPS:

1. Complete pre-operation checklist
2. Complete during operation checklist

3. Complete at-halt operation checklist
4. Complete after operation checklist

REFERENCE:

1. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)
- 

1833-VOPS-1302: Embark Personnel

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Vehicle Crewman

GRADES: PVT, PFC, LCPL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibious Vehicle conducting operations and a load plan.

STANDARD: To ensure personnel and vehicle safety.

PERFORMANCE STEPS:

1. Ensure embarked weapons are in appropriate weapons condition and muzzles inverted
2. Ensure personnel wear appropriate personnel protective equipment (PPE)
3. Ensure personnel follow emergency egress procedures

REFERENCES:

1. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17420 Maneuver/Training Area, Heavy Forces

---

1833-VOPS-1303: Start the Engine

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Vehicle Crewman

GRADES: PVT, PFC, LCPL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibious.

STANDARD: To prevent mechanical malfunctions.

PERFORMANCE STEPS:

1. Follow the pre-operation checklist
2. Apply normal conditions starting procedures
3. Apply freezing conditions starting procedures

REFERENCE:

1. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)
- 

1833-VOPS-1304: Start the Engine by Alternate Means

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Vehicle Crewman

GRADES: PVT, PFC, LCPL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a disabled Assault Amphibious Vehicle.

STANDARD: To start the engine.

PERFORMANCE STEPS:

1. Follow the pre-operation checklist
2. Follow slave start procedures
3. Follow tow start procedures

REFERENCE:

1. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)
- 

1833-VOPS-1305: Drive the Assault Amphibious Vehicle

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Vehicle Crewman

GRADES: PVT, PFC, LCPL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a crew and land operational area.

STANDARD: To negotiate various types of terrain.

PERFORMANCE STEPS:

1. Determine direction of movement
2. Place vehicle in motion
3. Identify vehicle limitations
4. Negotiate obstacles
5. Stop vehicle
6. Stop the engine

REFERENCE:

1. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17420 Maneuver/Training Area, Heavy Forces

---

1833-VOPS-1306: Identify a System Malfunction

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Vehicle Crewman

GRADES: PVT, PFC, LCPL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibious Vehicle.

STANDARD: To resolve the probable cause.

PERFORMANCE STEPS:

1. Recognize a malfunction symptom
2. Follow the troubleshooting chart
3. Report all discrepancies to vehicle commander and / or maintenance personnel
4. Assist maintenance personnel in performance of corrective maintenance and services

REFERENCE:

1. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)
- 

1833-VOPS-1307: Conduct Emergency Maintenance Procedures on Assault Amphibious Vehicle Subsystems

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Vehicle Crewman

GRADES: PVT, PFC, LCPL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given malfunctioning contact cooler or hydraulic system.

STANDARD: To restore the vehicle to an operational status.

PERFORMANCE STEPS:

1. Follow the contact cooler bypass procedures
2. Follow emergency closing of the plenums procedures

REFERENCE:

1. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)
- 

1833-VOPS-1308: Operate Smoke Generation System

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Vehicle Crewman

GRADES: PVT, PFC, LCPL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibious Vehicle and operational area.

STANDARD: To obscure the vehicle.

PERFORMANCE STEPS:

1. Prepare the vehicle for smoke generation use
2. Operate the system
3. Shutdown the system

REFERENCE:

1. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17420 Maneuver/Training Area, Heavy Forces

---

1833-VOPS-1309: Conduct Land Tow

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Vehicle Crewman

GRADES: PVT, PFC, LCPL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a disabled Assault Amphibious Vehicle and required vehicles with crew and equipment.

STANDARD: To move the disabled AAV.

PERFORMANCE STEPS:

1. Prepare disabled vehicle for towing
2. Tow using tow bar
3. Tow using tow cables

REFERENCE:

1. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17420 Maneuver/Training Area, Heavy Forces

---

1833-VOPS-1310: Operate Driver's Vision Enhancer

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Vehicle Crewman

GRADES: PVT, PFC, LCPL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibious Vehicle.

STANDARD: To prevent mechanical malfunctions.

PERFORMANCE STEPS:

1. Conduct pre-operation checks
2. Install driver's unit and commander's display assembly
3. Use driver's unit and commander's display assembly
4. Remove driver's unit and commander's display assembly
5. Maintain DVE

REFERENCE:

1. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)

---

1833-VOPS-1311: Conduct Preventive Maintenance Checks and Services

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Vehicle Crewman

GRADES: PVT, PFC, LCPL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibious Vehicle, collateral material and reference.

STANDARD: To maintain vehicle readiness.

PERFORMANCE STEPS:

1. PMCS the vehicle exterior
2. PMCS the vehicle engine compartment
3. PMCS the vehicle driver and troop commander's station
4. PMCS the vehicle troop compartment
5. PMCS the vehicle while engine is running
6. PMCS and inventory the vehicle SL-3
7. Lubricate the vehicle components

REFERENCE:

1. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)

---

1833-VOPS-1312: Conduct Preventive Maintenance Checks and Services on Communications Equipment

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Vehicle Crewman

GRADES: PVT, PFC, LCPL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibious Vehicle, collateral equipment and reference.

STANDARD: To maintain equipment readiness.

**PERFORMANCE STEPS:**

1. Clean and inspect the amplifier
2. Clean and inspect the intercom system components
3. Clean and inspect the Frequency Selector Control
4. Clean and inspect the radios
5. Clean and inspect the radio mounts
6. Clean and inspect Combat Vehicle Crewman helmet

**REFERENCE:**

1. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)
- 

**1833-VOPS-1313:** Install Special Mission Kit

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 12 months

**DESCRIPTION:** Assault Amphibious Vehicle Special Mission Kits include: Enhanced Appliqué' Armor Kit, Litter Kit, Mk 154 Linear Mine Clearing Kit, Winterization Kit and Visor Kit.

**MOS PERFORMING:** 1833

**BILLETS:** Vehicle Crewman

**GRADES:** PVT, PFC, LCPL

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Given an Assault Amphibious Vehicle, collateral material and reference.

**STANDARD:** To add to the capabilities of the vehicle.

**PERFORMANCE STEPS:**

1. Conduct PMCS
2. Lubricate kit components
3. Install kit

**REFERENCE:**

1. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)
- 

**1833-AMPH-1601:** Conduct Pre-Water Operation Checks

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 12 months

**MOS PERFORMING:** 1833

**BILLETS:** Vehicle Crewman

**GRADES:** PVT, PFC, LCPL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibious Vehicle with crew and resources.

STANDARD: So that the vehicle is maintained at optimal level.

PERFORMANCE STEPS:

1. Complete pre-water operation checklist
2. Complete vehicle manifest

REFERENCE:

1. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)
- 

1833-AMPH-1602: Conduct Embarkation and Debarkation

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Vehicle Crewman

GRADES: PVT, PFC, LCPL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibious Vehicle with crew and amphibious shipping.

STANDARD: To prevent damage to vessels.

PERFORMANCE STEPS:

1. Perform embarkation procedures
2. Perform vehicle dogging procedures
3. Perform debarkation procedures

REFERENCES:

1. COMNAVSURFLANTINST 3340.3 C Wet Well Operations Manual
2. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17411 Maneuver/Training Area, Amphibious Forces

EQUIPMENT: Amphibious shipping is required to accomplish this task.

---

1833-AMPH-1603: Drive the Assault Amphibious Vehicle in Water

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Vehicle Crewman

GRADES: PVT, PFC, LCPL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a crew and amphibious operational area.

STANDARD: To negotiate various bodies of water.

PERFORMANCE STEPS:

1. Ensure water tight integrity
2. Follow land to water procedures
3. Utilize bow plane
4. Employ water driving techniques
5. Follow water to land procedures

REFERENCE:

1. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17411 Maneuver/Training Area, Amphibious Forces

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: While operating an AAVP7A1, ensure that the turret is prepared for waterborne operations and facing forward (zero degrees on the azimuth ring). When conducting water operations in all variants and when the bow plane is not employed, the hatches must remain in the closed position. The bow plane must be employed IAW with MARCORSYSCOM Safety of Use Message (DTG: 191823ZApr11) while conducting water operations. Under no circumstances shall the hand throttle be used during water operations.

---

1833-AMPH-1604: Conduct Water Tow

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Vehicle Crewman

GRADES: PVT, PFC, LCPL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a disabled and an operational Assault Amphibious Vehicle with crew and equipment.

STANDARD: To move the disabled AAV.

PERFORMANCE STEPS:

1. Prepare disabled vehicle for towing
2. Tow disabled vehicle

REFERENCES:

1. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
2. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17411 Maneuver/Training Area,  
Amphibious Forces

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Position the turret of the towing vehicle oriented to the front (12 o'clock) with the vehicle commander hatch locked at 90 degrees with the ax mounted on the turret.

---

1833-AMPH-1605: Assist Evacuation of Embarked Personnel

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Vehicle Crewman

GRADES: PVT, PFC, LCPL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibious Vehicle with crew and an amphibious area of operations.

STANDARD: To safely evacuate all personnel.

PERFORMANCE STEPS:

1. Follow driver emergency procedures afloat
2. Follow crewman emergency procedures afloat
3. Perform water survival techniques

REFERENCE:

1. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17411 Maneuver/Training Area,  
Amphibious Forces

---

1833-AMPH-1606: Egress the AAV

EVALUATION-CODED: NO                      SUSTAINMENT INTERVAL: 4 years

BILLETS: Vehicle Crewman, Vehicle Commander, Section Leader, Platoon Sergeant

GRADES: PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a rapidly sinking or submerged AAV.

STANDARD: In order to reach the surface of the water.

PERFORMANCE STEPS:

1. Unfasten seatbelt
2. Unlock assigned hatch
3. Employ life support equipment as required
4. Exit vehicle
5. Gain access to surface

REFERENCES:

1. ASSAULT AMPHIBIAN VEHICLE COMMON SOP
2. TM 3-39.31 Armored Security Vehicle
3. TC 55-HEAT

SUPPORT REQUIREMENTS:

RANGE TRAINING AREAS: 17955, Combat Training Pool/Tank

OTHER SUPPORT REQUIREMENTS: This task shall be trained using the Submerged Vehicle Egress Trainer (SVET). Egress drills can be conducted on AAV while parked at the ramp or during field exercises, but the training will not be satisfied by any means other than SVET.

ADMINISTRATIVE NOTES:

1. The Shallow Water Initial Memory Mechanical Exit Release (SWIMMER) and the Shallow Water Egress Trainer (SWET) is utilized by the Naval Survival Training Institute (NSTI) as part of their egress training continuum to increase Marines' comfort in the water as well as their proficiency in SVET and AAV egress. SWIMMER and SWET are available at all 8 NSTI training sites, but are not currently utilized by the Marine Corps. If possible, unit training shall include SWIMMER and SWET training prior to using the SVET.
2. Reserve training will take place at Initial Location for Mobilization (ILOC) or during two week annual training (AT).

---

1833-TAC-1701: Camouflage an Assault Amphibious Vehicle

EVALUATION-CODED: NO                      SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Vehicle Crewman

GRADES: PVT, PFC, LCPL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a crew and camouflage system.

STANDARD: To avoid enemy observation.

PERFORMANCE STEPS:

1. Prepare camouflage system
2. Employ camouflage system
3. Stow camouflage system

REFERENCE:

1. TM 5-1080-200-10 Lightweight Camouflage Screen System and Support System

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17420 Maneuver/Training Area, Heavy Forces

---

7007. 2000-LEVEL EVENTS

1833-GNRY-2101: Set Inhibit Zone for the Uppgunned Weapons Station

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Vehicle Commander

GRADES: CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibious Vehicle, inhibit zone aligning tool and reference.

STANDARD: To keep the vehicle and personnel out of the line of fire.

PERFORMANCE STEPS:

1. Prepare the UGWS for setting the inhibit zone
2. Establish the inhibit zone elevation
3. Establish Inhibit Zone 2 azimuths
4. Establish Inhibit Zone 1 azimuths
5. Reset inhibit points if applicable

REFERENCE:

1. TM 10004A-10/1D Uppgunned Weapons Station, Assault Amphibious Vehicle
- 

1833-GNRY-2102: Conduct Detailed Disassembly / Assembly

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Section Leader, Vehicle Commander

GRADES: CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an M2 Heavy-Barrel Machine Gun and reference.

STANDARD: To keep the weapon in operating condition.

PERFORMANCE STEPS:

1. Remove extractor
2. Remove bolt switch and stud
3. Remove cocking lever
4. Remove sear stop
5. Remove sear slide
6. Remove sear and spring

7. Remove firing pin extension and firing pin
8. Assemble bolt group

REFERENCES:

1. MCWP 3-15.1 Machine Guns and Machine Gun Gunnery
- 

1833-GNRY-2103: Set Headspace and Timing

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Vehicle Commander

GRADES: CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an M2, collateral equipment and reference.

STANDARD: To prepare weapon for firing.

PERFORMANCE STEPS:

1. Adjust headspace
2. Adjust timing
3. Conduct retention procedures

REFERENCES:

1. TM 02498A-10/2 Operator's Manual, Machine Guns, Caliber .50; Browning, M2 Heavy Barrel

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This task is reference specific. Care must be taken to perform each step in accordance with the references. Headspace and timing must be performed each time a barrel is installed.

---

1833-GNRY-2104: Boresight Upgunned Weapons Station

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Vehicle Commander

GRADES: CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibious Vehicle with crew, machineguns, boresight kit and reference.

STANDARD: To provide a true sight line.

PERFORMANCE STEPS:

1. Conduct boresight procedures for M36E\_
2. Conduct retention procedures

REFERENCE:

1. TM 10004A-10/1D Upgunned Weapons Station, Assault Amphibious Vehicle

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17660 Tank/Fighting Vehicle Stationary Gunnery Range

---

1833-GNRY-2105: Prepare Range Card

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Vehicle Commander

GRADES: CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibious Vehicle and area of operations.

STANDARD: To place large volumes of fire on a likely target or probable avenue of approach.

PERFORMANCE STEPS:

1. Orient the sketch
2. Indicate administrative information
3. Depict FPF
4. Indicate all firing data

REFERENCES:

1. FM 3-20.12 Tank Gunnery
2. FM 3-22.1 Bradley Gunnery
3. FM 3-25.26 Map Reading and Land Navigation
4. MCWP 3-15.1 Machine Guns and Machine Gun Gunnery
5. TM 10004A-10/1D Upgunned Weapons Station, Assault Amphibious Vehicle

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17721 Tank/Fighting Vehicle Multipurpose Range Complex

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Range cards should be made using magnetic azimuths and grid position to integrate fires with infantry. UGWS bezel

ring azimuths are not applicable for fire plan sketches. Alternate position needs separate range card.

---

1833-GNRY-2106: Create Fire Plan Sketch

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Section Leader

GRADES: SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a defensive position.

STANDARD: To provide overlapping fires and mutual support.

PERFORMANCE STEPS:

1. Compile Range Cards
2. Annotate orientation data
3. Illustrate vehicles and firing data
4. Illustrate dead space
5. Illustrate terrain

REFERENCES:

1. MCWP 3-11.1 Marine Rifle Company/ Platoon
2. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
3. MCWP 3-15.1 Machine Guns and Machine Gun Gunnery

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17721 Tank/Fighting Vehicle Multipurpose Range Complex

---

1833-GNRY-2107: Identify Combat Vehicles

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

BILLETS: Section Leader, Vehicle Commander

GRADES: CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an area of operation.

STANDARD: To determine engagement criteria within a limited exposure.

**PERFORMANCE STEPS:**

1. Identify characteristics of the vehicle
2. Identify the type of vehicle
3. Identify the role of the vehicle
4. Identify armament of vehicle
5. Identify the maximum range (threat) of vehicle weapons

**REFERENCE:**

1. ROC-V Recognition of Combat Vehicles
- 

**1833-GNRY-2108:** Engage Stationary Targets

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 12 months

**DESCRIPTION:** Gunnery that demonstrates engagement skills from a stationary position against stationary target(s).

**MOS PERFORMING:** 1833

**BILLETS:** Platoon Sergeant, Section Leader, Vehicle Commander

**GRADES:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Given a stationary Assault Amphibious Vehicle.

**STANDARD:** To suppress and destroy targets.

**PERFORMANCE STEPS:**

1. Acquire target
2. Employ Gunnery Techniques
3. Fire on one short range target
4. Fire on two short range targets
5. Fire on one long range target
6. Fire on two long range targets
7. Fire on one short range and one long range targets
8. Fire on one short range target in MOPP 4
9. Fire on two short range targets in MOPP 4
10. Verify range card data
11. Fire on one short range target in limited visibility
12. Fire on two short range target in limited visibility
13. Troubleshoot Mk 19
14. Troubleshoot M2

**REFERENCES:**

1. FM 3-22.27 Mk 19 40mm Grenade Machine Gun Mod 3
2. FM 3-22.65 Browning Machinegun Caliber .50 HB, M2
3. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DOCIC</u>		<u>QTY</u>
B542	CTG, 40mm HEDP M430/M430A1 Link	160

<u>DODIC</u>		<u>QTY</u>
A576	CTG, Caliber .50 4 API M8/1 AP	300

RANGE/TRAINING AREA: Facility Code 17721 Tank/Fighting Vehicle Multipurpose Range Complex.

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: 1. Gunners will fire one practice and one qualification. 2. Ammunition is either TP or HE DP and Ball or API-T (Only TP and Ball on Pop-up targets). 3. Gunners will prepare a range card prior to live fire. 4. Short range is 400 - 800m, long range is 800 - 1800m. 5. All steps can be performed in degraded gunnery (non-electric). 6. Every effort should be made to practice on a simulator prior to live fire. 7. Complexity of task compounds at each level of billet/grade. Vehicle Commander's complete performance steps 1-14 as an individual. Section Leader's complete steps 1-14 as an individual and in control of a section of AAVs.

---

1833-GNRY-2109: Install M240

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Vehicle Commander

GRADES: CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibious Vehicle.

STANDARD: To provide security for the vehicle.

PERFORMANCE STEPS:

1. Install pintle mount
2. Install machine gun on machine gun mount
3. Secure machine gun mounts on pintle

REFERENCES:

1. TM 07268B-10/1D Assault Amphibious Vehicle, Command, Model 7A1 (AAVC7A1) Supplement to TM 09674A-10/3
  2. TM 08670A/09712A-10/1B Operator's Manual, Machinegun, 7.62mm, M240
-

1833-GNRY-2110: Engage a Target with M240

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 6 months

MOS PERFORMING: 1833

BILLETS: Vehicle Commander

GRADES: CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibious Vehicle.

STANDARD: To suppress the target.

PERFORMANCE STEPS:

1. Prepare weapon for firing
2. Load the M240
3. Set estimated range
4. Aim in on target
5. Execute fire commands
6. Change barrel
7. Troubleshoot M240

REFERENCES:

1. MCWP 3-15.1 Machine Guns and Machine Gun Gunnery
2. TM 08670A/09712A-10/1B Operator's Manual, Machinegun, 7.62mm, M240

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17721 Tank/Fighting Vehicle  
Multipurpose Range Complex

ORDNANCE:

<u>DODIC</u>		<u>QTY</u>
A131	CTG, 7.62mm 4 Ball M80/1 Trace	300

---

1833-GNRY-2111: Remove M240

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Vehicle Commander

GRADES: CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibious Vehicle.

STANDARD: To clear the cupola.

PERFORMANCE STEPS:

1. Unload and clear the M240
2. Remove machine gun mount from pintle
3. Remove machine gun from machine gun mount
4. Remove pintle

REFERENCES:

1. TM 07268B-10/1D Assault Amphibious Vehicle, Command, Model 7A1 (AAVC7A1)  
Supplement to TM 09674A-10/3
  2. TM 08670A/09712A-10/1B Operator's Manual, Machinegun, 7.62mm, M240
- 

1833-CMDC-2201: Control Radio Communications

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Platoon Sergeant, Section Leader

GRADES: SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibian unit, and Communications Electronics Operating Instruction.

STANDARD: To enforce voice radio procedures.

PERFORMANCE STEPS:

1. Verify that all elements have the data and COMSEC
2. Update Frequency Hopping data using electronic remote fill (ERF)
3. Enforce standard radio procedures
4. Assign local unit call signs and frequencies
5. Enforce listening silence
6. Determine the presence of electronic countermeasures (ECM)

REFERENCES:

1. MCRP 3-11.1A Commander's Tactical Handbook
  2. MCRP 6-22C RADIO OPERATOR'S HANDBOOK
  3. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
- 

1833-CMDC-2202: Respond to Signals

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Platoon Sergeant, Section Leader, Vehicle Commander

GRADES: CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given standard flags, lights, pyrotechnics and markers.

STANDARD: To control Assault Amphibious Vehicle movement.

PERFORMANCE STEPS:

1. Respond to standard beach signals/markers
2. Respond to standard naval signals/markers
3. Respond to standard tactical signals/markers
4. Respond to standard logistical signals/markers

REFERENCES:

1. COMDTINST M16500.7A Aids to Navigation Manual-Administration
2. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
3. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17411 Maneuver/Training Area,  
Amphibious Forces

---

1833-CMDC-2203: Conduct Operational Safety

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

BILLETS: Vehicle Commander

GRADES: CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibious Vehicle.

STANDARD: To ensure the safety of crew and embarked personnel.

PERFORMANCE STEPS:

1. Conduct general safety
2. Conduct waterborne safety
3. Conduct land safety
4. Conduct weapon safety
5. Conduct other safety considerations

REFERENCES:

1. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
  2. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)
  3. TM 10004A-10/1D Ungunned Weapons Station, Assault Amphibious Vehicle
-

1833-CMDC-2204: Operate Command Communication System

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Vehicle Commander

GRADES: CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibious Vehicle.

STANDARD: To ensure that the system is ready for the using unit.

PERFORMANCE STEPS:

1. Account for system components
2. Power-up system
3. Operate TOCNET
4. Secure system after operation

REFERENCES:

1. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
  2. TM 08463A-10 Command Communications System, Assault Amphibious Vehicle, Command, Model 7A1 (AAVC7A1)
- 

1833-CMDC-2205: Assist in the Development of Intelligence Preparation of the Battlefield Products

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Platoon Sergeant, Section Leader

GRADES: SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an operation order and a battlespace.

STANDARD: To evaluate enemy capabilities, vulnerabilities and probable courses of action.

PERFORMANCE STEPS:

1. Assess the battlefield environment
2. Evaluate the threat
3. Determine threat Course of Action

REFERENCES:

1. MCRP 2-12A Intelligence Preparation of the Battlefield (IPB)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17420 Maneuver/Training Area, Heavy Forces

---

1833-CMDC-2206: Issue a Fragmentary Order

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Section Leader, Vehicle Commander

GRADES: CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an operation order and commander's intent.

STANDARD: To provide additional direction and guidance.

PERFORMANCE STEPS:

1. Determine areas from the order that apply
2. Update situation and provide additional information
3. Communicate the order
4. Supervise preparation and execution

REFERENCES:

1. MCRP 3-13.1A The Mechanized Infantry Platoon and Squad (APC)
  2. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
- 

1833-CMDC-2207: Submit Reports

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Section Leader, Vehicle Commander

GRADES: CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a situation requiring tactical or administrative information.

STANDARD: To inform higher headquarters in standard format.

PERFORMANCE STEPS:

1. Determine type of report (administrative, logistical, operational and amphibious)

2. Generate report
3. Forward report

**REFERENCES:**

1. MCRP 3-11.1A Commander's Tactical Handbook
  2. MCRP 3-13.1A The Mechanized Infantry Platoon and Squad (APC)
  3. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
- 

**1833-CMDC-2208:** Advise Infantry on Assault Amphibious Vehicle Employment

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 12 months

**MOS PERFORMING:** 1833

**BILLETS:** Section Leader, Vehicle Commander

**GRADES:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Given a mechanized infantry mission.

**STANDARD:** To form cohesive effort within the vehicle's capabilities.

**PERFORMANCE STEPS:**

1. Brief the vehicle limitations/capabilities
2. Brief the vehicle offense employment
3. Brief the vehicle defense employment
4. Brief the vehicle amphibious employment
5. Brief the weapons tactical employment
6. Brief C7 capabilities
7. Brief the logistical requirements
8. Brief the vehicle safety guidelines

**REFERENCES:**

1. MCRP 3-13.1A The Mechanized Infantry Platoon and Squad (APC)
  2. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
- 

**1833-VOPS-2301:** Maintain Logbook

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 12 months

**MOS PERFORMING:** 1833

**BILLETS:** Vehicle Commander

**GRADES:** CPL, SGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Given an ordnance vehicle logbook.

STANDARD: To document operational history of vehicle.

PERFORMANCE STEPS:

1. Inventory logbook
2. Make daily entries
3. Make monthly entries

REFERENCE:

1. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)
- 

1833-VOPS-2302: Inspect Operational Checks

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Section Leader, Vehicle Commander

GRADES: CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibious Vehicle with crew and resources.

STANDARD: So that the vehicle is maintained at optimal level.

PERFORMANCE STEPS:

1. Verify completion of pre-operation checklist
2. Verify completion of during operation checklist
3. Verify completion of at-halt operation checklist
4. Verify completion of after operation checklist
5. Verify completion of pre-water operation checklist
6. Provide checklist to higher

REFERENCE:

1. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)
- 

1833-VOPS-2303: Inspect Preventive Maintenance Checks and Services

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Section Leader, Vehicle Commander

GRADES: CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibious Vehicle and collateral material.

STANDARD: To maintain vehicle readiness.

PERFORMANCE STEPS:

1. Verify PMCS of the vehicle components are completed
2. Verify PMCS of the Uppgunned Weapons Station is completed
3. Verify PMCS of the communication equipment is completed
4. Verify PMCS of the special mission kits are completed
5. Verify lubrication is completed

REFERENCE:

1. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)
- 

1833-VOPS-2304: Inspect Emergency Maintenance Procedures

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Vehicle Commander

GRADES: CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibious Vehicle with leaking contact cooler or hydraulic system.

STANDARD: To restore the vehicle to an operational status.

PERFORMANCE STEPS:

1. Verify contact cooler is bypassed
2. Verify plenums are manually closed and locked

REFERENCE:

1. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)
- 

1833-VOPS-2305: Conduct Recovery Operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Section Leader, Vehicle Commander

GRADES: CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a disabled Assault Amphibious Vehicle and additional vehicles with crew and equipment.

STANDARD: To retrieve the disabled AAV.

PERFORMANCE STEPS:

1. Identify tactical/non-tactical conditions
2. Identify types of assets required
3. Prepare disabled vehicle and assets
4. Execute recovery procedures

REFERENCES:

1. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
2. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17420 Maneuver/Training Area, Heavy Forces  
Facility Code 17411 Maneuver/Training Area, Amphibious Forces

---

1833-VOPS-2306: Conduct Demolition

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Section Leader, Vehicle Commander

GRADES: CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given destructive source.

STANDARD: To prevent enemy use.

PERFORMANCE STEPS:

1. Determine the criteria to conduct demolition
2. Remove salvageable items
3. Determine methods of destruction available
4. Determine the items to be destroyed
5. Destroy equipment or vehicle

REFERENCES:

1. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)
2. TM 10004A-10/1D Ungunned Weapons Station, Assault Amphibious Vehicle

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Recovery operations include all types of environments, land and water.

---

1833-CBTS-2401: Conduct Preventive Maintenance Checks and Services on Mk 154 Launcher Mine Clearance System

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Vehicle Crewman

GRADES: PVT, PFC, LCPL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given collateral equipment and Technical Manual.

STANDARD: To keep equipment in operating condition.

PERFORMANCE STEPS:

1. Perform before operation PMCS
2. Perform during operation PMCS
3. Perform after operation PMCS
4. Perform scheduled maintenance PMCS
5. Lubricate LMC components

REFERENCES:

1. TM 09962A-10/1 Operating Instruction Charts MARK 1 MOD 0 Mine Clearance System
2. TM 09962A-13&P/2B System Manual MARK 1 MOD 0 Mine Clearance System

MISCELLANEOUS:

SPECIAL PERSONNEL CERTS: Mark 1 Mod 0 Mine Clearance System Operator's License

---

1833-CBTS-2402: Install Mk 154 Launcher Mine Clearance System

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Vehicle Crewman

GRADES: PVT, PFC, LCPL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given Assault Amphibious Vehicle, 5-ton-capable lifting source, collateral equipment and reference.

STANDARD: To prepare the Mk 1 Mod 0 for deployment.

PERFORMANCE STEPS:

1. Adhere to safety precautions
2. Gather tools and equipment
3. Follow installation procedures
4. Bleed hydraulic system
5. Conduct operational test

REFERENCES:

1. TM 09962A-10/1 Operating Instruction Charts MARK 1 MOD 0 Mine Clearance System
2. TM 09962A-13&P/2B System Manual MARK 1 MOD 0 Mine Clearance System

MISCELLANEOUS:

SPECIAL PERSONNEL CERTS: Mark 1 Mod 0 Mine Clearance System Operator's License

---

1833-CBTS-2403: Load Ordnance Material

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Vehicle Crewman

GRADES: PVT, PFC, LCPL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given Mk 1 Mod 0 Mine Clearance System, 5-ton-capable lifting source, collateral equipment and reference.

STANDARD: To prepare system for deployment.

PERFORMANCE STEPS:

1. Adhere to safety precautions
2. Follow pre-deployment checks
3. Follow rocket motor loading procedures
4. Follow line charge fusing procedures
5. Follow line charge loading procedures
6. Connect rocket bridle cables
7. Follow electrical connection of the line charge
8. Perform rocket thrust positive connection

REFERENCES:

1. TM 09962A-10/1 Operating Instruction Charts MARK 1 MOD 0 Mine Clearance System
2. TM 09962A-13&P/2B System Manual MARK 1 MOD 0 Mine Clearance System

MISCELLANEOUS:

SPECIAL PERSONNEL CERTS: Mark 1 Mod 0 Mine Clearance System Operator's License

---

1833-CBTS-2404: Deploy Mk 1 Mod 0 Mine Clearance System

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Vehicle Crewman

GRADES: PVT, PFC, LCPL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an operation order, area of operation and obstacle.

STANDARD: To conduct a breach.

PERFORMANCE STEPS:

1. Adhere to safety precautions
2. Operate electrically
3. Operate manually
4. Follow ordnance malfunction procedures

REFERENCES:

1. TM 09962A-10/1 Operating Instruction Charts MARK 1 MOD 0 Mine Clearance System
2. TM 09962A-13&P/2B System Manual MARK 1 MOD 0 Mine Clearance System

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>		<u>Quantity</u>
J143	Rocket Motor, 5-inch MK22 Mod 4	2
ML25	Charge, Demolition Linear M59A1	2

RANGE/TRAINING AREA: Facility Code 17820 Engineer Qualification Range, Non-Standardized

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: 1. DODIC ML 25 demolition linear charge can only be detonated on designated ranges, supplant ML 26 on other ranges. 2. The ordnance reflects the amount expended per vehicle.

SPECIAL PERSONNEL CERTS: Mark 1 Mod 0 Mine Clearance System Operator's License

---

1833-CBTS-2405: Unload Ordnance

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Vehicle Crewman

GRADES: PVT, PFC, LCPL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given Mk 1 Mod 0 Mine Clearance System, 5-ton-capable lifting source, collateral equipment and reference.

STANDARD: To clear the vehicle of munitions.

PERFORMANCE STEPS:

1. Adhere to safety precautions
2. Follow disarming line charges procedures
3. Follow unloading rocket procedures
4. Follow off-loading line charge container procedures
5. Follow line charge defusing procedures

REFERENCES:

1. TM 09962A-10/1 Operating Instruction Charts MARK 1 MOD 0 Mine Clearance System
2. TM 09962A-13&P/2B System Manual MARK 1 MOD 0 Mine Clearance System

MISCELLANEOUS:

SPECIAL PERSONNEL CERTS: Mark 1 Mod 0 Mine Clearance System Operator's License

---

1833-CBTS-2406: Remove Mk 154 Launcher Mine Clearance System

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Vehicle Crewman

GRADES: PVT, PFC, LCPL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given Mk 1 Mod 0 Mine Clearance System, 5-ton-capable lifting source, collateral equipment and reference.

STANDARD: To return Assault Amphibious Vehicle to original configuration.

PERFORMANCE STEPS:

1. Adhere to safety precautions

2. Gather tools and equipment
3. Follow removal procedures

REFERENCES:

1. TM 09962A-10/1 Operating Instruction Charts MARK 1 MOD 0 Mine Clearance System
2. TM 09962A-13&P/2B System Manual MARK 1 MOD 0 Mine Clearance System

MISCELLANEOUS:

SPECIAL PERSONNEL CERTS: Mark 1 Mod 0 Mine Clearance System Operator's License

---

1833-CBTS-2407: Advise Breach Force Commander

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Section Leader, Team Leader

GRADES: SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given Mine Countermeasures Team, area of operations and higher's operation order.

STANDARD: On deployment of Mk 1 Mod 0 Mine Clearance System.

PERFORMANCE STEPS:

1. Advise on logistics requirements
2. Determine breach type
3. Follow lane markers

REFERENCE:

1. FM 5-170 Engineer Reconnaissance
- 

1833-CSS-2501: Track Administrative Maintenance Processes

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Vehicle Commander

GRADES: CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given Assault Amphibious Vehicle, identified discrepancy and reference.

STANDARD: To ensure maintenance action items are recorded for repair.

PERFORMANCE STEPS:

1. Report discrepancy
2. Complete Equipment Repair Order Shopping List for SL-3
3. Verify discrepancy is documented on ERO

REFERENCES:

1. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
  2. UM 4700.5 MIMMS Field Procedures Manual
- 

1833-CSS-2502: Monitor Daily Process Report

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

MOS PERFORMING: 1833

BILLETS: Section Leader

GRADES: SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given Assault Amphibian unit.

STANDARD: To ensure all entries are current and correct.

PERFORMANCE STEPS:

1. Verify discrepancies
2. Verify job status
3. Verify parts status
4. Report readiness

REFERENCES:

1. MCO P4790.2C MIMMS Field Procedures Manual (JUL 94)
  2. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
- 

1833-CSS-2503: Inspect Vehicles

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Platoon Sergeant, Section Leader

GRADES: SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibian unit.

STANDARD: To ensure accountability, serviceability and operational readiness of unit equipment.

PERFORMANCE STEPS:

1. Inspect SL-3
2. Inspect AAV and systems
3. Inspect logbook
4. Inspect the weapon(s)
5. Verify that any defects are noted on ERO or EROSL
6. Verify that all parts are noted on the unit's DPR
7. Inspect the communication system
8. Submit findings

REFERENCES:

1. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)
  2. TM 4700-15/1H Ground Equipment Record Procedures
  3. UM 4700.5 MIMMS Field Procedures Manual
- 

1833-AMPH-2601: Evacuate Embarked Personnel

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 1833

BILLETS: Section Leader, Vehicle Commander

GRADES: CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given distressed waterborne Assault Amphibious Vehicle with crew.

STANDARD: So all steps within Technical Manual are executed verbatim without omission in sequence without injury or loss of life.

PERFORMANCE STEPS:

1. Follow vehicle commander emergency procedures afloat
2. Supervise driver emergency procedures afloat
3. Supervise crewman emergency procedures afloat

REFERENCE:

1. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17411 Maneuver/Training Area, Amphibious Forces

---

1833-AMPH-2602: Complete Modified Surf Index

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 3 months

MOS PERFORMING: 1833

BILLETS: Platoon Sergeant, Section Leader

GRADES: SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given Assault Amphibian unit, amphibious mission and reference.

STANDARD: To determine go/no go criteria for Assault Amphibious Vehicle amphibious operations.

PERFORMANCE STEPS:

1. Compile surf composition data
2. Complete Surf Observation Report
3. Compile Modified Surf Index
4. Submit report

REFERENCES:

1. COMNAVSURFLANTINST 3840.1B Joint Surf Manual
2. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17908 Amphibious Vehicle Training Area

---

1833-TAC-2701: Conduct Operations in Special Terrain

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

BILLETS: Platoon Sergeant, Section Leader

GRADES: SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given Assault Amphibian unit, area of operations and higher's operation order.

STANDARD: To exploit vehicle capabilities within environmental limitations.

PERFORMANCE STEPS:

1. Operate in jungle environment
2. Conduct riverine operations
3. Execute a river crossing
4. Operate in urban terrain

5. Operate in desert environment
6. Operate in mountainous terrain
7. Operate in cold weather

REFERENCE:

1. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17420 Maneuver/Training Area, Heavy  
Force

---

AAV T&R MANUAL

APPENDIX B

TERMS AND DEFINITIONS

Terms in this glossary are subject to change as applicable orders and directives are revised. Terms established by Marine Corps orders or directives take precedence after definitions found in Joint Pub 1-02, DOD Dictionary of Military and Associated Terms.

A

**After Action Review (AAR).** A professional discussion of training events conducted after all training to promote learning among training participants. The formality and scope increase with the command level and size of the training evolution. For longer exercises, they should be planned for at predetermined times during an exercise. The results of the AAR shall be recorded on an after action report and forwarded to higher headquarters. The commander and higher headquarters use the results of an AAR to reallocate resources, reprioritize their training plan, and plan for future training.

C

**Chaining.** A process that enables unit leaders to effectively identify subordinate collective events and individual events that support a specific collective event. For example, collective training events at the 4000-level are directly supported by collective events at the 3000-level. Utilizing the building block approach to progressive training, these collective events are further supported by individual training events at the 1000 and 2000-levels. When a higher-level event by its nature requires the completion of lower level events, they are "chained"; Sustainment credit is given for all lower level events chained to a higher event.

D

**Deception.** Those measures designed to mislead the enemy by manipulation, distortion, or falsification of evidence to induce the enemy to react in a manner prejudicial to the enemy's interests. (JP 1-02)

E

**E-Coded Event.** An "E-Coded" event is a collective T&R event that is a noted indicator of capability or, a noted Collective skill that contributes to the unit's ability to perform the supported MET. As such, only "E-Coded" events are assigned a CRP value and used to calculate a unit's CRP.

I

**Individual Readiness.** The individual training readiness of each Marine is measured by the number of individual events required and completed for the rank or billet currently held.

M

**Marine Corps Combat Readiness and Evaluation System (MCCRES).** An evaluation system designed to provide commanders with a comprehensive set of mission performance standards from which training programs can be developed; and through which the efficiency and effectiveness of training can be evaluated. The Ground T&R Program will eventually replace MCCRES.

O

**Operational Readiness (OR).** (DoD or NATO) OR is the capability of a unit/formation, ship, weapon system, or equipment to perform the missions or functions for which it is organized or designed. May be used in a general sense or to express a level or degree of readiness.

P

**Performance Step.** Performance steps are included in the components of an Individual T&R Event. They are the major procedures (i.e., actions) a Marine unit must accomplish to perform an individual event to standard. They describe the procedure the task performer must take to perform the task under operational conditions and provide sufficient information for a task performer to perform the procedure (may necessitate identification of supporting steps, procedures, or actions in outline form). Performance steps follow a logical progression and should be followed sequentially, unless otherwise stated. Normally, performance steps are listed only for 1000-level individual events (those that are taught in the entry-level MOS school). Listing performance steps is optional if the steps are already specified in a published reference.

R

**Readiness.** (DoD) Readiness is the ability of U.S. military forces to fight and meet the demands of the national military strategy. Readiness is the synthesis of two distinct but interrelated levels: (a) Unit readiness--The ability to provide capabilities required by combatant commanders to execute assigned missions. This is derived from the ability of each unit to deliver the outputs for which it was designed. (b) Joint readiness--The combatant commander's ability to integrate and synchronize ready combat and support forces to execute assigned missions.

S

**Section Skill Tasks.** Section skills are those competencies directly related to unit functioning. They are group rather than individual in nature, and require participation by a section (S-1, S-2, S-3, etc).

T

**Training Task.** This describes a direct training activity that pertains to an individual Marine. A task is composed of 3 major components: a description of what is to be done, a condition, and a standard.

U

Unit CRP. Unit CRP is a percentage of the E-coded collective events that support the unit METL accomplished by the unit. Unit CRP is the average of all MET CRP.

W

Waived Event. An event that is waived by a commanding officer when in his or her judgment, previous experience or related performance satisfies the requirement of a particular event.

AAV T&R MANUAL

APPENDIX D

T&R CHANGES

1. Manual Management. A brief description of the role of stakeholders and the process of manual management is warranted.

a. CG TECOM, Ground Training Branch (GTB):

(1) Will manage the AAV T&R Manual and supervise associated program of instruction (POI) development, approval, management, and maintenance.

(2) Will input, update, and manage the T&R events within the Marine Corps Training Information Management System (MCTIMS).

(3) Will serve as the action agent for all T&R manual conferences, reviews, updates, and electronic distribution.

2. T&R Changes

a. T&R Reviews. A T&R review is a forum to routinely review and comprehensively revise the T&R manual. T&R reviews will normally be conducted via conference and produce a new version (e.g. NAVMC 3500.2\_) T&R reviews may be held via correspondence with CG TECOM (GTB) approval. T&R reviews will normally convene on a biennial schedule; however, T&R reviews may be convened as appropriate or when higher headquarters direct.

b. T&R changes. A T&R change is a change to an existing T&R between T&R reviews. T&R changes are normally completed via correspondence and produce formal changes to the existing T&R manual (e.g. NAVMC 3500.2A"Ch 1").

3. T&R Review Pre-Conference Procedures

a. Action

(1) Content Sponsor. Content sponsors shall coordinate with CG TECOM (GTB) to establish a T&R conference date and prepare the initial convening message to the appropriate commands employing the MOSS contained in this Manual with an information copy to CMC (DC PP&O). CG TECOM (GTB) shall release this message 90 days before the proposed conference date. This message shall include the conference convening location and date, announce the purpose, and request interested units to submit agenda items. CG TECOM (GTB) shall coordinate with the content sponsor to consolidate agenda items and release a conference agenda message to COMMARFORCOM, COMMARFORPAC, COMMARFORRES, COMMARSOC, MEFs, MARDIVs, and all commands employing the MOSS contained in this Manual.

(2) Total Force. Authorized agencies shall nominate voting representatives to CG TECOM (GTB) via message NLT 45 days prior to the conference. Units shall submit agenda items to CG TECOM (GTB) and the

content sponsor (Item, Discussion, Recommendation format) via message NLT 45 days prior to the conference.

(3) CG TECOM. CG TECOM (GTB) shall provide guidance to the content sponsor. CG TECOM (GTB) shall ensure agenda items are distributed to voting members NLT 30 days prior to the subject conference.

b. Conference Funding. Organizations shall program funding requirements for conference attendance per MCO P7100.8 (Field Budget Guidance Manual).

#### 4. T&R Review Conference Procedures

a. All conference attendees shall be familiar with agenda items prior to the conference. Voting members shall staff agenda items and will have established command positions prior to attending a conference. As front-end agenda staffing facilitates the T&R update process, CG TECOM (GTB) discourages accepting additional agenda items during T&R conferences.

b. At the conference, attendees shall review the applicable T&R events and provide change recommendations per standard comment matrix. At a minimum, members of the conference shall complete the following tasks:

(1) Evaluate the events for effectiveness.

(2) Propose changes to the events. Review/validate/modify the following:

- (a) Mission statement/METL.
- (b) Programs of Instruction.
- (c) Content/Phase information.
- (d) Content events.
- (e) Training resource requirements.
- (f) Required T&R matrices/tables.
- (g) Content event conversion matrix.
- (h) T&R content evaluation forms.

(3) Coordinate content requirements with other communities as required.

c. Conference attendees may recommend a specific position, but it is CG TECOM, COMMARFORCOM, COMMARFORPAC, COMMARFORRES, and COMMARSOC who vote. This procedure ensures fair voting practices.

#### d. Action

(1) Content Sponsor. The content sponsor shall host the conference and ensure each attendee has access to a draft version of the T&R at the completion of the conference.

(2) CG TECOM. CG TECOM (GTB) shall provide conference guidance to the content sponsors and facilitate T&R review procedures. CG TECOM (GTB) shall ensure individual T&R chapters are developed/updated per the policies contained in this Manual.

(3) CG TECOM, COMMARFORCOM, COMMARFORPAC, COMMARFORRES, and COMMARSOC shall designate one voting member with experience in day-to-day supervision of AAV training programs to each conference. The conference attendees should include representatives from each MEF, MARDIV, and any other appropriate staff officers. CG TECOM invites HQMC to send representatives.

5. Post-Conference T&R Review Procedures

a. Action

(1) Content Sponsor. The content sponsor shall provide CG TECOM (GTB) a smooth, electronic version of the draft T&R chapters within 10 working days of conference completion. The content sponsor shall coordinate with CG TECOM (GTB) to prepare and release a conference report message to the MARFORs within 10 working days of conference completion. Conference report messages shall delineate significant change recommendations and request MARFORs concur or non-concur with the draft T&R Manual.

(2) MARFORs. MARFORCOM, MARFORPAC, MARFORRES, and MARSOC shall consolidate comments from subordinate units and concur or non-concur with justification to CG TECOM via message within 45 days of the conference completion date.

(a) MARFOR command T&R review conference representatives shall brief their respective commands on post conference results.

(b) MARFORs should coordinate to resolve post conference contentious issues.

(c) Failure to respond to post conference deadlines indicates concurrence with T&R content.

(3) CMC (DC PP&O). CMC shall review the proposed content and concur or non-concur with justification to CG TECOM via message NLT 90 days after conference completion.

(4) CG TECOM

(a) CG TECOM (GTB) shall coordinate with the content sponsor to prepare and release, within 10 working days, a conference report message. CG TECOM shall ensure draft electronic versions are made available to requesting agencies.

(b) CG TECOM shall attach MARFOR comments and forward the draft document to CMC (DC PP&O), NLT 60 days after conference completion. Unresolved issues shall be forwarded to CMC (DC PP&O) for decision.

(c) Upon MARFOR and CMC concurrence, CG TECOM shall approve the revised manual. When the revision is approved by CG TECOM, CG TECOM (GTB) shall release a message announcing the revision has been approved. CG TECOM (GTB) shall coordinate with CMC for publication and distribution as appropriate.

6. T&R Changes via Correspondence

a. Organizations recommending T&R changes shall submit proposed changes in message format via the respective MEF/DIV to CG TECOM (GTB) and the content sponsor. Correspondence must include rationale for the change.

b. CG TECOM (GTB) and the content sponsor shall review and forward the proposed change recommendations to all MEFs/DIVs within 5 working days of receipt of the correspondence.

c. MEFs/DIVs shall submit their comments and recommendations to CG TECOM (ATB, GTB) and content sponsor within 30 days of the date of the request for comments. All comments and recommendations shall be submitted via message.

d. CG TECOM (GTB) and the content sponsor shall consolidate comments and produce a smooth draft of proposed T&R changes (include update of the T&R event conversion matrix if applicable). CG TECOM (GTB) shall release a T&R change recommendation message to the MARFORs and CMC (DC PP&O) within 45 days of the request for comments.

e. CMC (DC PP&O) and the MARFORs shall review the proposed T&R change and concur or non-concur with justification to CG TECOM (GTB) within 30 days of the manual change recommendation message release. Unresolved issues shall be forwarded to CMC (DC PP&O) for decision. Upon concurrence, CG TECOM (GTB) shall release a message approving the T&R manual change.

7. Applicability. When a T&R manual update or change is approved for use, the approved version of the manual becomes the training standard for all applicable units. Units shall transition to the approved T&R manual as soon as practical.

AAV T&R MANUAL

APPENDIX C

AMMUNITION REQUIREMENTS

Ammunition was calculated based on 100% of Table of Organization for individual training events and 100% of Table of Equipment for collective training events. The below chart depicts the total annual ammunition requirement for an AAV battalion and its personnel to train to standard on all events contained in this Training and Readiness Manual. Training events which list ammunition but do not require the expenditure of rounds have not been included in the below numbers. Dummy ammunition has been calculated based on an estimate of the total number of rounds required to adequately support the various training events that call for the particular DODIC.

DODIC	Description	100% AAV	100% ASEN	100% ASEP	100% ASEP	100% ASEP	TOTAL
A059	Cartridge, 5.56mm Ball M855 10/Clip Sub f/AA45	28000	28000	11200	10000	8000	77,200
A062	Cartridge, 5.56mm Ball M855 Linked	600	600	200	200	200	1,600
A063	Cartridge, 5.56mm Tracer M856 Single Round	21600	21600	8640	770	500	52,610
A064	Cartridge, 5.56mm 4 Ball M855/1 Tracer M856 Lnkd	4000	4000	1600	1250	1000	10,850
A075	Cartridge, 5.56mm Blank M200 Linked	2100	2100	840	750	200	5,990
A080	Cartridge, 5.56mm Blank M200 Single Round	19950	19950	7980	7500	1800	57,180
A111	Cartridge, 7.62mm Blank M82 Linked	5110	5110	2044	1825	500	14,589
A131	Cartridge, 7.62mm 4 Ball M80/1 Trace	56000	56000	22400	20000	1500	155,900
A143	Cartridge, 7.62mm Ball M80 Linked	30100	30100	12100	10800	700	83,800
A358	Cartridge, 9mm TP-T M939 for AT-4 Trainer	245	245	98	88	0	676
A363	Cartridge, 9mm Ball M882	3500	3500	1400	1250	1080	10,730
A555	Cartridge, Caliber .50 F/M2	19900	19900	8000	10300	8000	58,100
A576	Cartridge, Caliber .50 API-T Linked, F/M2	188450	188450	75380	96500	44500	593,280
A598	Cartridge, Caliber .50 Blank M1A1 Linked	100	100	40	25	25	290
B504	Cartridge, 40mm Green Star Parachute M661	72	72	29	28	14	215
B508	Cartridge, 40mm Green Smoke Ground Marker M715	70	70	28	25	14	207
B509	Cartridge, 40mm Yellow Smoke Ground Marker M716	59	59	24	21	14	177
B535	Cartridge, 40mm White Star Parachute M583/M583A1	70	70	28	25	14	207
B542	Cartridge, 40mm HEDP M430/M430A1 Link	45120	45120	18048	7500	21120	115,788
B546	Cartridge, 40mm HEDP M433	97	97	39	35	30	268
BA12	Cartridge, 40mm Practice MK 281 Mod	28872	28872	11548	15750	115478	85,042
BA35	Cartridge, 40mm Practice Day Night	175	175	70	63	51	483
C995	Cartridge and Launcher, 84mm M136 AT-4	4	4	2	2	0	12
G878	Fuze, Hand Grenade Practice M228	225	225	90	125	50	715
G881	Grenade, Hand Fragmentation M67	225	225	90	250	65	855
G900	Grenade, Hand Incendiary Thermite AN-M14	7	7	3	0	0	17
G924	Grenade, Hand Riot Control CS-1 M25A2	14	14	6	10	0	44
G940	Grenade, Hand Green Smoke M18	75	75	30	45	12	237

NAVMC 3500.2A  
21 Jul 2010

DODIC	Description	1st A&B	2d A&B	4th A&B	CAP	INC	TOTAL
G945	Grenade, Hand Yellow Smoke M18	75	75	30	45	12	237
G963	Grenade, Hand Riot CS M7A3	4	4	2	0	0	10
G982	Grenade, Hand Practice Smoke TA M83	56	56	23	20	5	160
GG24	Grenade, Launcher Smoke Infrared Screening	210	210	84	75	56	635
J143	Rocket Motor, 5-inch MK22 Mod 4	26	26	0	14	0	66
K765	Riot Control Agent, CS	70	70	150	78	26	394
L305	Signal, Illumination Ground Green Star Para	25	25	10	13	5	78
L307	Signal, Illumination Ground White Star Cluster M159	75	75	30	69	15	264
L311	Signal, Illumination Ground Red St	75	75	30	100	15	295
L312	Signal, Illumination Ground White St	75	75	30	100	15	295
L314	Signal, Illumination Ground Green St Cluster M125A1	45	45	18	23	5	136
L495	Flare, Surface Trip M49 Series	35	35	14	13	5	102
L594	Simulator, Projectile Ground Burst M115A2	7	7	3	13	5	35
L598	Simulator, Explosive Booby Trap Flash M117	210	210	84	75	23	602
L599	Simulator, Explosive Booby Trap Illuminating M118	140	140	56	50	16	402
M030	Charge, Demolition Block TNT 1/4-Pound	180	180	328	100	0	788
M032	Charge, Demolition Block TNT 1-Pound	210	210	20	75	0	515
M039	Charge, Demolition Cratering 40-Pound	4	4	2	1	0	11
M130	Cap, Blasting Electric M6	350	350	140	125	0	965
M131	Cap, Blasting Non-Electric M7	210	210	84	125	0	629
M327	Coupling Base, Firing Device with Primer	154	154	62	55	0	425
M420	Charge, Demolition Shaped M2 Series 15-Pound	4	4	2	1	0	11
M456	Cord, Detonating PETN Type I Class E	700	700	280	250	0	1,930
M670	Fuse, Blasting Time M700	2800	2800	1120	1000	0	7,720
M757	Charge, Assembly Demolition M183 Comp C-4	14	14	6	5	0	39
ML03	Firing Device, Demolition Multi-Purpose M142	84	84	28	30	0	226
ML25	Charge, Demolition Linear M59A1	6	6	0	2	0	14
ML26	Charge, Demolition Inter Linear M69	10	10	0	6	0	26
MN08	Igniter, Time Blast Fuse w/Shock Tube Capability M81	560	560	224	200	0	1,544

AAV T&R MANUAL

APPENDIX D

SIMULATION

Listed in this appendix are applicable simulations available to improve training for individual MOS 1803 and 1833 standards as well as small unit assault amphibian training referenced in this manual.

1. **Up-Gunned Weapon Station (UGWS) Turret Training System** is an interactive turret and crew simulator that provides enhanced gunnery, weapons employment, crew coordination, and tactical decision making training for individual assault amphibian crews (1 system) and sections (2 to 4 co-located, linked systems). Each system consists of an UGWS turret with sight optics, controls, and demilitarized weapons that are instrumented to enable engagement in various video and computer generated scenarios. Each system also incorporates a vehicle driver's station with a view screen, vehicle controls, and crew communications (intercom) to allow crew coordination training between the vehicle commander in the turret and the crewman in the driver's station. Robust computer generated scenarios and a communications link between multiple co-located systems provides the link to enable section training.

The primary focus for simulation should be on the reinforcement and sustainment training of individual and collective skills on the section and crew level - in the context of platoon operations. Specific tasks that require training application through simulation include:

- a. AAV-AMPH-5602 Support Ship-to-Objective Maneuver
- b. AAV-GNRY-4101 Employ Section Fire and Maneuver
- c. AAV-TAC-4701 Support the Assault Element
- d. AAV-TAC-4702 Support the Support Element
- e. AAV-TAC-4703 Support Infantry Defense
- f. AAV-GNRY-3101 Engage Stationary Targets
- g. AAV-GNRY-3102 Engage Moving Targets
- h. AAV-AMPH-3601 Employ Assault Amphibious Vehicle in Water
- i. AAV-TAC-3701 Employ Amphibious Assault Vehicle on Land
- j. 1833-GNRY-1107 Load Weapons
- k. 1833-GNRY-1111 Engage Stationary Targets from a Stationary Position
- l. 1833-GNRY-1112 Conduct Failure to Fire Procedures
- m. 1833-CMDC-1203 Conduct Internal and External Communications
- n. 1833-VOPS-1305 Drive the AAV
- o. 1833-GNRY-2108 Engage Stationary Targets
- p. 1833-GNRY-2109 Conduct Section Fire and Maneuver

Upgrades made to the current simulation system should be capable of keeping pace with applicable modifications made to the AAV7 family of vehicles in order to replicating the above tasks in as realistic a functional environment (replication of the vehicle) as possible for the vehicle commander stationed in the UGWS turret and the vehicle driver in the driver's station.

AAV T&R MANUAL

APPENDIX D

ACRONYMS AND ABBREVIATIONS

AAV	Assault Amphibious Vehicle
AMPH	Amphibious Operations
BDA	Battle Damage Assessment
BFT	Blue Force Tracker
C2	Command and Control
C2W	Command and Control Warfare
C4I	Command, Control, Communications, Computers, and Intelligence
CA	Civil Affairs
CAG	Civil Affairs Group
CAST	Combined Arms staff trainer
CATF	Commander Amphibious Task Force
CCIR	Commander's Critical Information Requirements
CCP	Casualty Collection point
CE	Command Element
CHOP	Change of Operational Control
CI	Counterintelligence
CJCSI	Chairman of the Joint Chiefs of Staff Instruction
CJCSM	Chairman of the Joint Chiefs of Staff Manual
CMO	Civil-Military Operations
CNA	Computer Network Attack
CND	Computer Network Defense
CNE	Computer network Exploitation
CNO	Computer Network Operations
COA	Course of Action
COC	Company Operations Center
COG	Centers of Gravity
COMSEC	Communications Security
CONOPS	Contingency Operations
CP	Counter-Propaganda
CVC	Combat vehicle Crewman's Helmet
DCID	Director of Center Intelligence Directive
DISA	Defense Information Systems Agency
DoD	Department of Defense
DoDD	Department of Defense Directive
DoDI	Department of Defense Instruction
EA	Electronic Attack
ECM	Electronic Counter Measures
EMCON	Emissions Control
EMW	Expeditionary Maneuver Warfare
EP	Electronic Protection
ES	Electronic Support
EW	Electronic Warfare
FM	Field Manual (army)
FIWC	Fleet Information Warfare Center
FOB	Forward Operating Base
FRAGO	Fragmentary Order

G2 . . . . . Intelligence Officer (major subordinate  
Commands and Larger organizations)  
G3 . . . . . Operations Officer (major subordinate  
Commands and Larger Organizations)  
GCE . . . . . Ground Combat Element  
HUMINT . . . . . Human Intelligence  
LCAVAT . . . . . Landing Craft and Amphibian Vehicle Assignment Table  
LF . . . . . Landing Force  
LZ . . . . . Landing Zone  
MCDF . . . . . Marine Corps Doctrinal Publication  
MCM . . . . . Mine Counter Measure Platoon  
MCPP . . . . . Marine Corps Planning Process  
MCRP . . . . . Marine Corps Reference Publication  
MCWP . . . . . Marine Corps Warfighting Publication  
MEF . . . . . Marine Expeditionary Force  
METT-T . . . . . Mission, Enemy, Terrain and Weather, Troops and  
Support Available-Time Available  
MPF . . . . . Maritime pre-positioning force  
NVD . . . . . Night Vision Device  
NVG . . . . . Night Vision Goggle  
OPORD . . . . . Operation Order  
OPSEC . . . . . Operations Security  
PMCS . . . . . Preventive Maintenance Checks and Services  
ROV-V . . . . . Recognition of Vehicles  
UHF . . . . . Ultra High Frequency  
VHF . . . . . Very High Frequency

AAV T&R MANUAL

Appendix F

GUNNERY INDIVIDUAL AND COLLECTIVE EVENTS

1. **PURPOSE.** This appendix contains all Assault Amphibian Gunnery individual and collective events as executed through AAV Gunnery events and tasks. These events and tasks illustrate the relationship between unit competencies (Mission Essential Tasks (METs), unit training (Collective events) and prerequisite individual training requirements. Unit training managers can isolate all training relevant to each event and devise training to support their competencies as needed. Lastly, this chapter serves as the primary method to qualify and grade the machine gunnery skills of the 1803 and 1833 military occupational specialties (MOS).

2. **EVENT CODING.** Events in the T&R Manual are depicted with a 12 field alphanumeric system, i.e. XXXX-XXXX-XXXX. This chapter utilizes the following methodology:

a. Field one - Each individual event starts with "1803" or "1833" indicating the event is for the applicable MOS in the Assault Amphibian unit. Each collective event starts with "AAV" indicating it is representative of the Assault Amphibian unit at the crew or section level. The Collective Event title for all gunnery events will begin with "Conduct AAV Gunnery."

b. Field two - This field is alpha characters indicating a functional area. The functional area used is:

\*

GNNRY - Gunnery

c. Field three - This field provides unit level at which the event is accomplished and numerical sequencing.

3. **ADMINISTRATIVE NOTES.** Each Event contains a paragraph that describes internal and external Support Requirements the unit and Marines will need to complete the event. Ranges / Training Areas are described in this section with plain-language description. They are also described using the Range / Facility Codes that identify the type of range and / or training area needed to accomplish the Event. Marines can use the codes to find information about available ranges at their geographic location by using the web-based Range / Training Area Management System (see TECOM website). Ultimate use of the Range / Training Area Code is to relate ranges to readiness by identifying those Events that cannot be accomplished at a certain location due to lack of ranges. Administrative instructions, ordnance requirements, and other instructions provide amplifying guidance to support the conduct and execution of the gunnery events.

4. DESCRIPTION/CORE CAPABILITY

1. Engages a stationary target from a stationary AAV with Upgunned Weapons Station utilizing the M2 .50 caliber heavy barrel machinegun and MK-19 machinegun.
2. Engages multiple stationary targets from a stationary AAV with Upgunned Weapons Station utilizing the M2 .50 caliber heavy barrel machinegun and MK-19 machinegun.
3. Engages targets and displaces to subsequent/alternate battle positions.
4. Engages targets in daylight and limited visibility conditions.
5. Engages targets under Chemical, Biological, Radiological Nuclear and high-yield Explosives (CBRN-E) conditions.

5. INDEX OF EVENTS

Event Code	Eval Code	Event	Page
1803-GNRY-1111		Zero the Upgunned Weapons Station	
1803-GNRY-1112		Engage Stationary Targets	
1833-GNRY-1108		Zero the Upgunned Weapons Station	
1833-GNRY-1111		Engage Stationary Targets from a Stationary Position	
1833-GNRY-2108		Engage Stationary Targets	
AAV-GNRY-3101	Yes	Engage Stationary Targets	
AAV-GNRY-3102	Yes	Engage Moving Targets	
AAV-GNRY-4101	Yes	Employ Section Fire and Maneuver	
AAV-GNRY-5101	Yes	Employ Platoon Fire and Maneuver	

6. INDIVIDUAL AND COLLECTIVE EVENTS

1803-GNRY-1111: Zero the Upgunned Weapons Station

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Live fire gunnery designed to zero the Upgunned Weapons Station.

MOS PERFORMING: 1803, 1833

BILLETS: Platoon Commander, Vehicle Crewman

GRADES: 2NDLT, 1STLT, PVT, PFC, LCPL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given Assault Amphibious Vehicle, ammunition and stationary target at 400-700 meters.

STANDARD: To place center of beaten zone on the target.

PERFORMANCE STEPS:

1. Acquire target
2. Employ Gunnery Techniques
3. Zero the sight to the Mk 19 machine gun
4. Zero the M2 machine gun to the sight

REFERENCES:

1. FM 3-22.27 Mk 19 40mm Grenade Machine Gun Mod 3
2. FM 3-22.65 Browning Machinegun Caliber .50 HB, M2
3. TM 1004A-10/1D Upgunned Weapons Station, Assault Amphibious Vehicle

WEAPONS AND ORDNANCE:

Weapon	MK 19 40-mm Grenade Machine Gun	<u>QTY</u>
B542	CTG, 40MM, LINKED, HE DP F/MK 19	32
Weapon	M2 .50 cal Heavy Machine Gun	<u>QTY</u>
A576	CTG, CAL .50, API-T LINK, F/M2	50

RANGE/TRAINING AREA: Facility Code 17660 Tank/Fighting Vehicle Stationary Gunnery Range

MISCELLANEOUS:

- ADMINISTRATIVE INSTRUCTIONS: 1. Gunners will fire one practice and one qualification. 2. If the gunner fails to zero he is removed from the line and given additional training before attempting again. 3. Ammunition is either TP or HE DP and Ball or API-T (Only TP and Ball on Pop-up targets). 4. Machine guns can be fired manually if power is lost (non-electric).
-

1803-GNRY-1112: Engage Stationary Targets

EVALUATION-CODED: NO                      SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Gunnery that demonstrates engagement skills from a stationary position against stationary target(s).

MOS PERFORMING: 1803, 1833

BILLETS: Platoon Commander, Platoon Sergeant, Section Leader, Vehicle Commander

GRADES: 2NDLT, 1STLT, CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a stationary Assault Amphibious Vehicle.

STANDARD: To suppress and destroy targets.

PERFORMANCE STEPS:

1. Acquire target
2. Employ Gunnery Techniques
3. Fire on one short range target
4. Fire on two short range targets
5. Fire on one long range target
6. Fire on two long range targets
7. Fire on one short range and one long range targets
8. Fire on one short range target in MOPP 4
9. Fire on two short range targets in MOPP 4
10. Verify range card data
11. Fire on one short range target in limited visibility
12. Fire on two short range targets in limited visibility
13. Troubleshoot Mk 19
14. Troubleshoot M2

REFERENCES:

1. FM 3-22.27 Mk 19 40mm Grenade Machine Gun Mod 3
2. FM 3-22.65 Browning Machinegun Caliber .50 HB, M2
3. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)

WEAPONS AND ORDNANCE:

Weapon	MK 19 40-mm Grenade Machine Gun	<u>QTY</u>
B542	CTG, 40MM, LINKED, HE DP F/MK 19	160
Weapon	M2 .50 cal Heavy Machine Gun	<u>QTY</u>
A576	CTG, CAL .50, API-T LINK, F/M2	300

RANGE/TRAINING AREA: Facility Code 17660 Tank/Fighting Vehicle Stationary Gunnery Range

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: 1. Gunners will fire one practice and one qualification. 2. Ammunition is either TP or HE DP and Ball or API-T

(Only TP and Ball on Pop-up targets). 3. Gunners will prepare a range card prior to live fire. 4. Short range is 400 - 800m; long range is 800 - 1800m. 5. All steps can be performed in degraded gunnery (non-electric). 6. Every effort should be made to practice on a simulator prior to live fire.

SPECIAL PERSONNEL CERTS: Advanced Gunner (9-10) Qualified Gunner (7-8)  
Unqualified (0-6)

---

1833-GNRY-1108: Zero the Upgunned Weapons Station

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Live fire gunnery designed to zero the Upgunned Weapons Station.

MOS PERFORMING: 1803, 1833

BILLETS: Platoon Commander, Vehicle Crewman

GRADES: 2NDLT, 1STLT, PVT, PFC, LCPL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given Assault Amphibious Vehicle, ammunition and stationary target at 400-700 meters.

STANDARD: To place center of beaten zone on the target.

PERFORMANCE STEPS:

1. Acquire target
2. Employ Gunnery Techniques
3. Zero the sight to the Mk 19 machine gun
4. Zero the M2 machine gun to the sight

REFERENCES:

1. FM 3-22.27 Mk 19 40mm Grenade Machine Gun Mod 3
2. FM 3-22.65 Browning Machinegun Caliber .50 HB, M2
3. TM 10004A-10/1D Upgunned Weapons Station, Assault Amphibious Vehicle

WEAPONS AND ORDNANCE:

Weapon	MK 19 40-mm Grenade Machine Gun	<u>QTY</u>
B542	CTG, 40MM, LINKED, HE DP F/MK 19	32
Weapon	M2 .50 cal Heavy Machine Gun	<u>QTY</u>
A576	CTG, CAL .50, API-T LINK, F/M2	50

RANGE/TRAINING AREA: Facility Code 17660 Tank/Fighting Vehicle Stationary Gunnery Range

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: 1. Gunners will fire one practice and one

qualification. 2. If the gunner fails to zero he is removed from the line and given additional training before attempting again. 3. Ammunition is either TP or HE DP and Ball or API-T (Only TP and Ball on Pop-up targets). 4. Machine guns can be fired manually if power is lost (non-electric).

---

1833-GNRY-1111: Engage Stationary Target from a Stationary Position

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Gunnery that demonstrates engagement skills from a stationary position against stationary target(s).

MOS PERFORMING: 1833

BILLETS: Vehicle Crewman

GRADES: PVT, PFC, LCPL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a loaded Upgunned Weapons Station.

STANDARD: To suppress and destroy targets.

PERFORMANCE STEPS:

1. Acquire target
2. Employ gunnery techniques
3. Fire on one short range target
4. Fire on two short range targets
5. Fire on one long range target

REFERENCES:

1. FM 3-22.27 Mk 19 40mm Grenade Machine Gun Mod 3
2. FM 3-22.65 Browning Machinegun Caliber .50 HB, M2
3. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)

WEAPONS AND ORDNANCE:

Weapon	MK 19 40-mm Grenade Machine Gun	<u>QTY</u>
B542	CTG, 40mm HEDP M430/M430A1 Link	48
Weapon	M2 .50 cal Heavy Machine Gun	<u>QTY</u>
A576	CTG, Caliber .50 4 API M8/1 AP	100

RANGE/TRAINING AREA: Facility Code 17721 Tank/Fighting Vehicle Multipurpose Range Complex

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: 1. Gunners will fire one practice and one qualification. 2. Ammunition is either TP or HE DP and Ball or API-T (Only TP and Ball on Pop-up targets). 3. Gunners will prepare a range card prior to live fire. 4. Short range is 400 - 800m; long range is 800 - 1800m. 5. All steps can be performed in degraded gunnery(non-electric).

---

1833-GNRY-2108: Engage Stationary Targets

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Gunnery that demonstrates engagement skills from a stationary position against stationary target(s).

MOS PERFORMING: 1803, 1833

BILLETS: Platoon Commander, Platoon Sergeant, Section Leader, Vehicle Commander

GRADES: 2NDLT, 1STLT, CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a stationary Assault Amphibious Vehicle.

STANDARD: To suppress and destroy targets.

PERFORMANCE STEPS:

1. Acquire target
2. Employ Gunnery Techniques
3. Fire on one short range target
4. Fire on two short range targets
5. Fire on one long range target
6. Fire on two long range targets
7. Fire on one short range and one long range targets
8. Fire on one short range target in MOPP 4
9. Fire on two short range targets in MOPP 4
10. Verify range card data
11. Fire on one short range target in limited visibility
12. Fire on two short range targets in limited visibility
13. Troubleshoot Mk 19
14. Troubleshoot M2

REFERENCES:

1. FM 3-22.27 Mk 19 40mm Grenade Machine Gun Mod 3
2. FM 3-22.65 Browning Machinegun Caliber .50 HB, M2
3. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)

WEAPONS AND ORDNANCE:

Weapon	MK 19 40-mm Grenade Machine Gun	<u>QTY</u>
B542	CTG, 40MM, LINKED, HE DP F/MK 19	160
Weapon	M2 .50 cal Heavy Machine Gun	<u>QTY</u>
A576	CTG, CAL .50, API-T LINK, F/M2	300

RANGE/TRAINING AREA: Facility Code 17660 Tank/Fighting Vehicle Stationary Gunnery Range

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: 1. Gunners will fire one practice and one qualification. 2. Ammunition is either TP or HE DP and Ball or API-T (Only TP and Ball on Pop-up targets). 3. Gunners will prepare a range card prior to live fire. 4. Short range is 400 - 800m; long range is 800 - 1800m. 5. All steps can be performed in degraded gunnery (non-electric). 6. Every effort should be made to practice on a simulator prior to live fire.

SPECIAL PERSONNEL CERTS: Advanced Gunner (9-10) Qualified Gunner (7-8)  
Unqualified (0-6)

---

1833-GNRY-2110: Engage a Target with M240

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 6 months

MOS PERFORMING: 1833

BILLETS: Vehicle Commander

GRADES: CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Assault Amphibious Vehicle.

STANDARD: To suppress the target.

PERFORMANCE STEPS:

1. Prepare weapon for firing
2. Load the M240
3. Set estimated range
4. Aim in on target
5. Execute fire commands
6. Change barrel
7. Troubleshoot M240

REFERENCES:

1. MCWP 3-15.1 Machine Guns and Machine Gun Gunnery
2. TM 08670A/09712A-10/1B Operator's Manual, Machinegun, 7.62mm, M240

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17721 Tank/Fighting Vehicle  
Multipurpose Range Complex

ORDNANCE:

<u>DODIC</u>		<u>QTY</u>
A131	CTG, 7.62mm 4 Ball M80/1 Trace	300

---

AAV-GNRY-3101: Engage Stationary Targets

SUPPORTED MET(S): 3, 4, 5

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Designed to train crews to acquire and engage stationary targets. Crews are evaluated on their ability to load / reload weapons, move AAV from a hide to firing position, and to displace to an alternate position and reengage targets.

CONDITION: Given an AAVP7 with crew and ammunition.

STANDARD: To suppress and destroy targets.

EVENT COMPONENTS:

1. Move to hull defilade
2. Engage first stationary target
3. Move to turret defilade
4. Conduct reloads
5. Move to hull defilade
6. Engage subsequent stationary targets
7. Move to turret defilade

PREREQUISITE EVENTS:

1833-GNRY-1101	1833-GNRY-1102	1833-GNRY-1103
1833-GNRY-1104	1833-GNRY-1110	1833-GNRY-1106
1833-GNRY-1107	1833-GNRY-1108	1833-GNRY-1109
1833-GNRY-1105		

RELATED EVENTS:

1833-GNRY-1111	1833-GNRY-1112	1833-GNRY-1113
1833-GNRY-1114	1833-GNRY-2101	1833-GNRY-2109
1833-GNRY-2103	1833-GNRY-2104	1833-GNRY-2105
1833-GNRY-2107	1833-GNRY-2108	1833-GNRY-2102

REFERENCES:

1. FM 3-22.27 Mk 19 40mm Grenade Machine Gun Mod 3
2. FM 3-22.65 Browning Machinegun Caliber .50 HB, M2
3. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
4. MCWP 3-15.1 Machine Guns and Machine Gun Gunnery

WEAPONS AND ORDNANCE:

Weapon	MK 19 40-mm Grenade Machine Gun	<u>QTY</u>
BA12	CTG, 40MM, LINKED, TP F/MK 19	144
Weapon	M2 .50 cal Heavy Machine Gun	<u>QTY</u>
A576	CTG, CAL .50, API-T LINK, F/M2	300

RANGE/TRAINING AREA: Facility Code 17720 Tank/Fighting Vehicle Platoon  
Battle Run

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: 1. Gunners will conduct one dry fire and two iterations with increasing difficulty on stationary targets. 2. First iteration is event components one through three. 3. Second and third iterations are event components one through seven. 4. Ammunition is either TP or HE DP and Ball or API-T (Only TP and Ball on Pop-up targets).

5. All targets are 600 - 1800m. 6. All steps can be performed in degraded gunnery (non-electric). 7. Every effort should be made to practice on a simulator prior to live fire. 8. Mastery of task is qualifying on two or more iterations.

---

AAV-GNRY-3102: Engage Moving Targets

SUPPORTED MET(S): 3, 4, 5

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months.

DESCRIPTION: Designed to train crews to acquire and engage moving targets. Crews are evaluated on their ability to load / reload weapons, move AAV from a hide to firing position, and to displace to an alternate position and reengage targets.

CONDITION: Given an AAVP7 with crew and ammunition.

STANDARD: To suppress and destroy targets.

EVENT COMPONENTS:

1. Move to hull defilade
2. Engage stationary target
3. Move to turret defilade
4. Conduct reloads
5. Move to hull defilade
6. Engage moving targets
7. Move to turret defilade

PREREQUISITE EVENTS:

1833-GNRY-1101	1833-GNRY-1102	1833-GNRY-1103
1833-GNRY-1104	1833-GNRY-1110	1833-GNRY-1106
1833-GNRY-1107	1833-GNRY-1108	1833-GNRY-1109
1833-GNRY-1105		

RELATED EVENTS:

1833-GNRY-1111	1833-GNRY-1112	1833-GNRY-1113
1833-GNRY-1114	1833-GNRY-2101	1833-GNRY-2109
1833-GNRY-2103	1833-GNRY-2104	1833-GNRY-2105
1833-GNRY-2107	1833-GNRY-2108	1833-GNRY-2102

REFERENCES:

1. FM 3-22.27 Mk 19 40mm Grenade Machine Gun Mod 3
2. FM 3-22.65 Browning Machinegun Caliber .50 HB, M2
3. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
4. MCWP 3-15.1 Machine Guns and Machine Gun Gunnery

WEAPONS AND ORDNANCE:

Weapon	MK 19 40-mm Grenade Machine Gun	<u>QTY</u>
BA12	CTG, 40MM, LINKED, TP F/MK 19	144
Weapon	M2 .50 cal Heavy Machine Gun	<u>QTY</u>
AS76	CTG, CAL .50, API-T LINK, F/M2	300

RANGE/TRAINING AREA: Facility Code 17720 Tank/Fighting Vehicle Platoon  
Battle Run

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: 1. Gunners will conduct one dry fire and three iterations with increasing difficulty on stationary targets. 2. First iteration is event components one through three. 3. Second and third iterations are event components one through seven. 4. Ammunition is only TP and Ball, moving targets are Pop-ups. 5. All targets are 600 - 1800m. 6. All steps can be performed in degraded gunnery (non-electric). 7. Every effort should be made to practice on a simulator prior to live fire. 8. Mastery of task is qualifying on two or more iterations.

---

AAV-GNRY-4101: Employ Section Fire and Movement

SUPPORTED MET(S): 3, 4, 5

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: The purpose of this task qualifies a section and its crews in section engagement skills of single and multiple target(s), from multiple firing positions, incorporating reloads.

CONDITION: Given an AAV section and targets.

STANDARD: To suppress and destroy targets.

EVENT COMPONENTS:

1. Maneuver section into position
2. Identify targets by threat
3. Issue fire command
4. Engage target
5. Control fires
6. Reassess threats

PREREQUISITE EVENTS:

1833-GNRY-1101	1833-GNRY-2107	1833-GNRY-1103
1833-GNRY-1104	1833-GNRY-1105	1833-GNRY-1106
1833-GNRY-1107	1833-GNRY-1108	1833-GNRY-1109
1833-GNRY-1110	1833-GNRY-1111	1833-GNRY-1112
1833-GNRY-1113	1833-GNRY-2101	1833-GNRY-2103
1833-GNRY-2104	1833-GNRY-1102	

CHAINED EVENTS: 1833-GNRY-2109

RELATED EVENTS:

1833-CMDC-1201	1833-CMDC-1202	1833-CMDC-1203
1833-GNRY-2102	1833-GNRY-2107	1833-TAC-2701
1833-CMDC-2201	1833-CMDC-2202	1833-CMDC-2207
1833-CMDC-2208	1833-GNRY-2108	

REFERENCES:

1. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)

2. MCWP 3-15.1 Machine Guns and Machine Gun Gunnery

WEAPONS AND ORDNANCE:

Weapon	MK 19 40-mm Grenade Machine Gun	<u>QTY</u>
BA12	CTG, 40MM, LINKED, TP F/MK 19	144 per vehicle
Weapon	M2 .50 cal Heavy Machine Gun	<u>QTY</u>
A576	CTG, CAL .50, API-T LINK, F/M2	300 per vehicle

RANGE/TRAINING AREA: Facility Code 17430 Impact Area Dudded

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: 1. Sections will fire one dry fire and three iterations with increasing difficulty on stationary and moving targets. 2. Ammunition is only TP and Ball, moving targets are Pop-ups. 3. All targets are 600 - 1800m. 4. All steps can be performed in degraded gunnery (non-electric). 5. Every effort should be made to practice on a simulator prior to live fire. 6. Not all range facilities have moving targets that can be fired upon with 40mm TP. The TP may be omitted. 7. Master or Non-master evaluation.

---

AAV-GNRY-5101: Employ Platoon Fire and Maneuver

SUPPORTED MET(S): 4, 5

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: The purpose of this task qualifies a platoon and its sections in platoon engagement skills of single and multiple engagement(s), from multiple firing positions to incorporate reloads.

CONDITION: Given an AAV platoon and targets.

STANDARD: To suppress and destroy targets.

EVENT COMPONENTS:

1. Maneuver platoon into position
2. Identify targets by threat
3. Issue fire command
4. Engage target
5. Control fires
6. Reassess threats

PREREQUISITE EVENTS:

1833-CMDC-1204	1833-CMDC-2208	1833-GNRY-2109
1833-GNRY-2108		

RELATED EVENTS:

1833-GNRY-1110	1833-GNRY-1111	1833-CMDC-1201
1833-CMDC-1202	1833-CMDC-2207	1833-GNRY-2107
1833-CMDC-2201	1833-CMDC-2202	1833-CMDC-1203

REFERENCES:

1. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
2. MCWP 3-15.1 Machine Guns and Machine Gun Gunnery

WEAPONS AND ORDNANCE:

Weapon	MK 19 40-mm Grenade Machine Gun	<u>QTY</u>
BA12	CTG, 40MM, LINKED, TP F/MK 19	96 per vehicle
Weapon	M2 .50 cal Heavy Machine Gun	<u>QTY</u>
A576	CTG, CAL .50, API-T LINK, F/M2	200 per vehicle

RANGE/TRAINING AREA: Facility Code 17722 Tank/Fighting Vehicle  
Multipurpose Range Complex

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: 1. Platoon will fire one dry fire and two iterations with increasing difficulty. 2. Ammunition is either TP or HE DP and Ball or API-T (Only TP and Ball on Pop-up targets). 3. All targets are 400 - 1800m. 4. All steps can be performed in degraded gunnery (non-electric). 5. Live Fire and Maneuver area required (May not allow the use of HEDP).

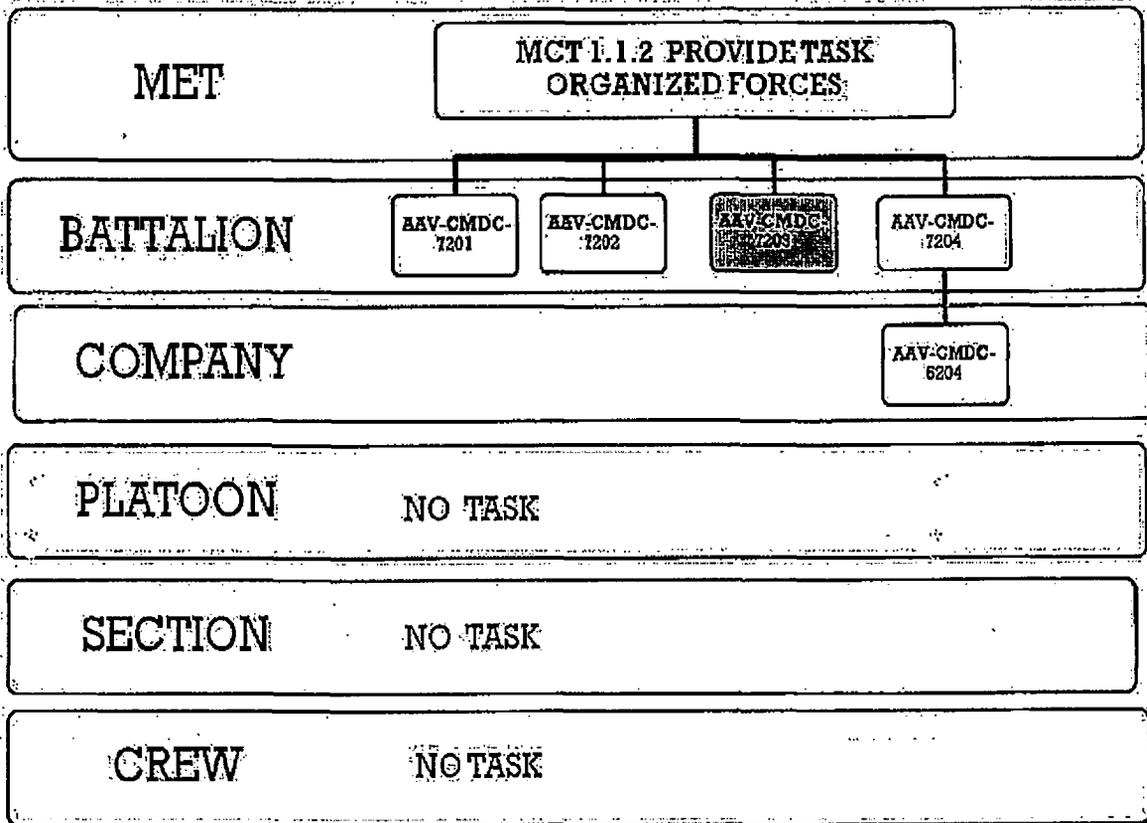
---

AAV T&R MANUAL

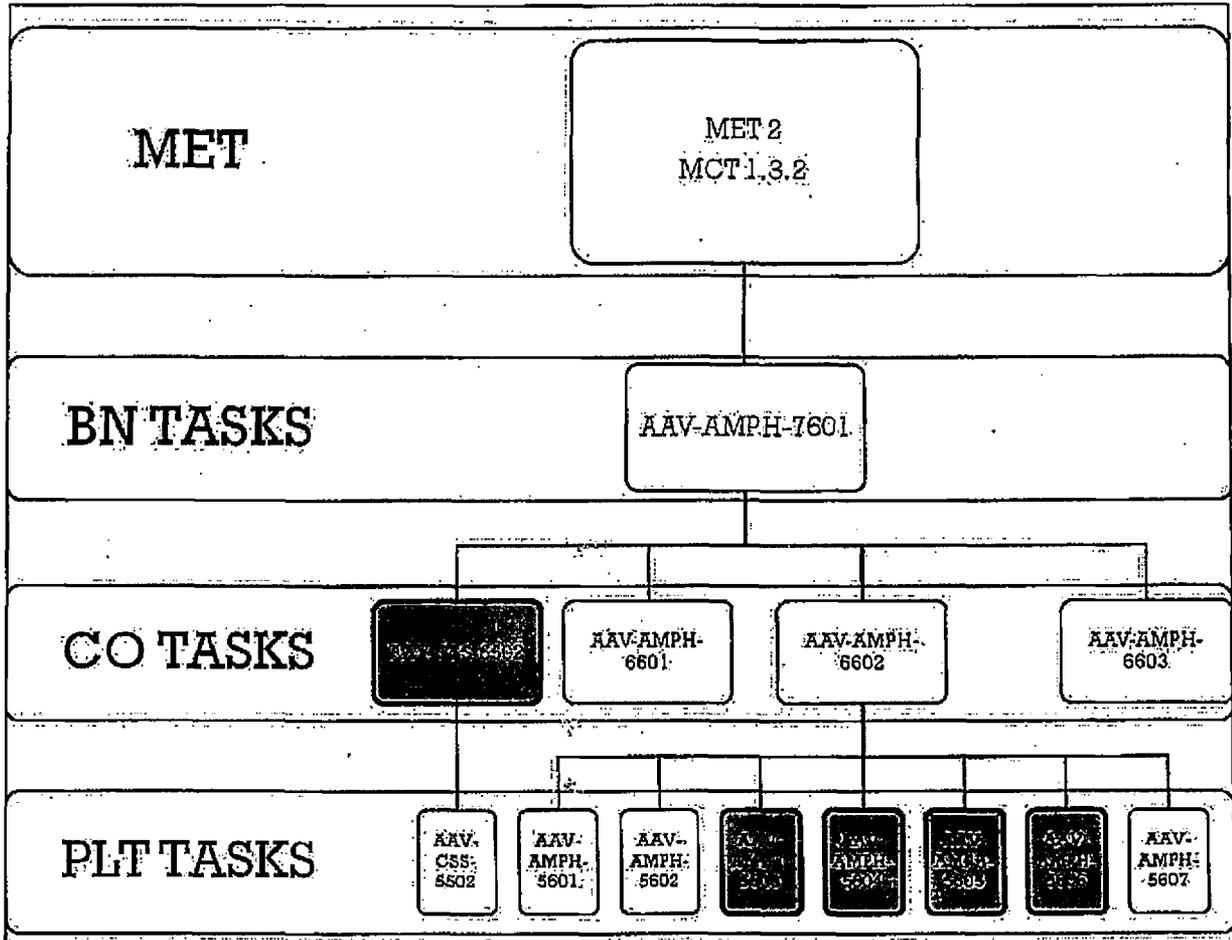
APPENDIX G

METL EVENT DIAGRAM

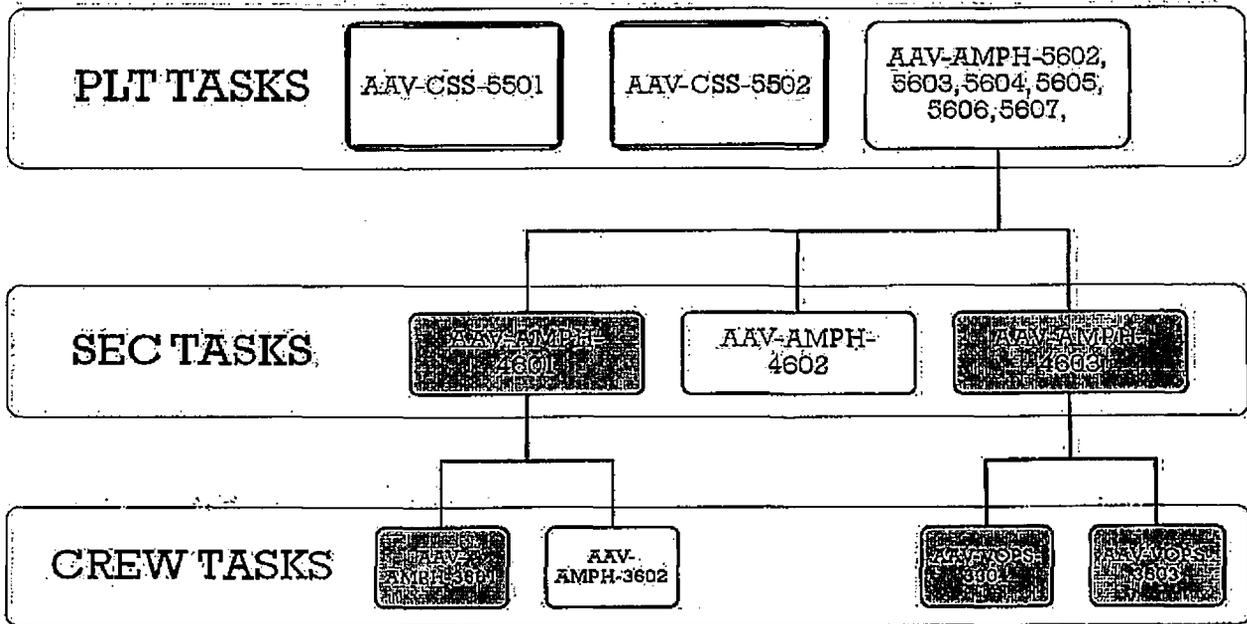
MET 1 PROVIDE TASK ORGANIZED FORCES MCT 1.1.2



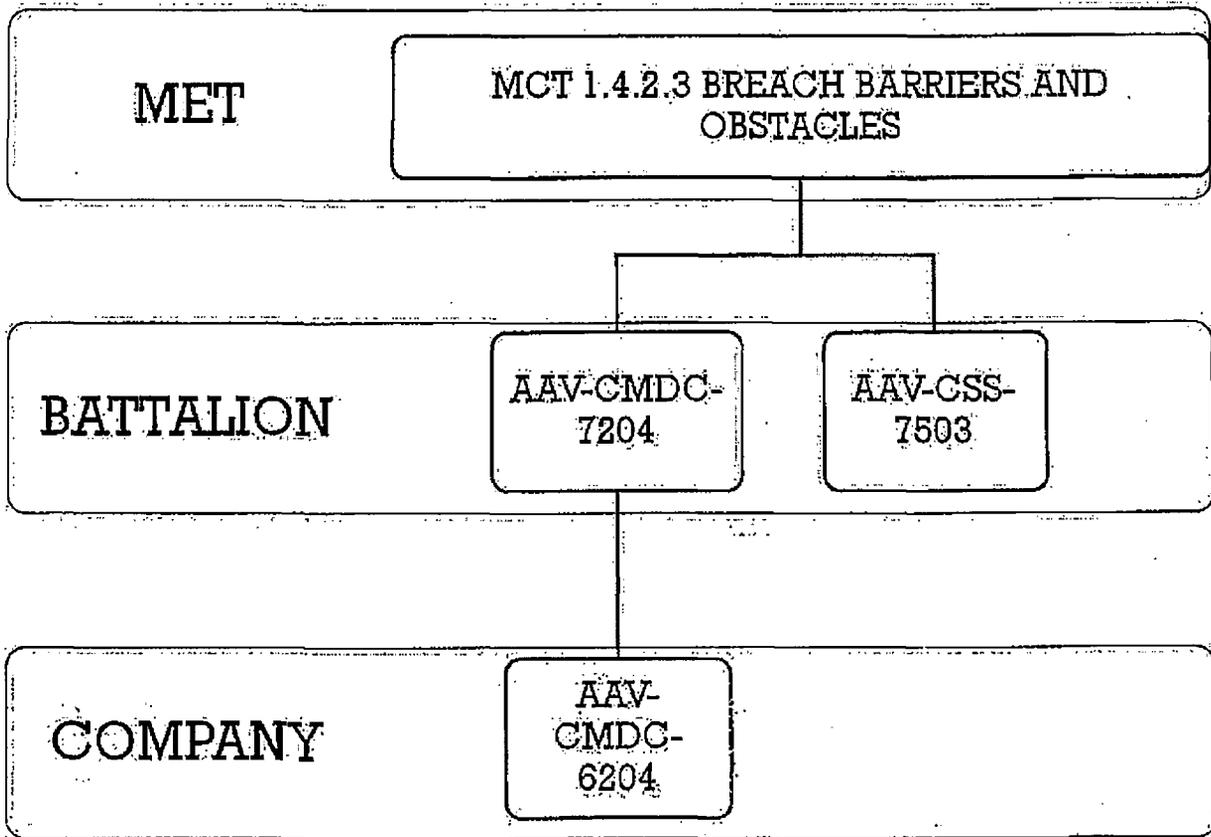
MET 2 CONDUCT AMPHIBIOUS OPERATIONS MCT 1.3.2



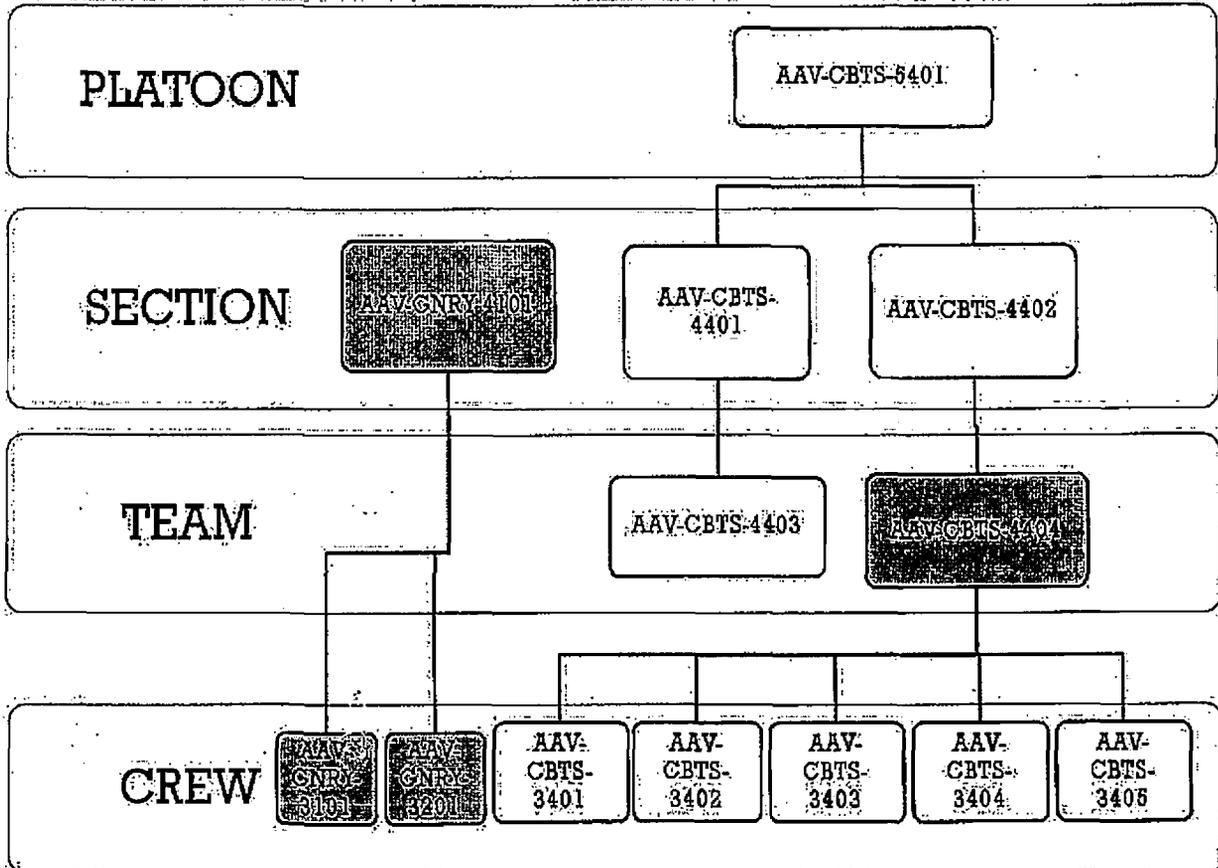
MET 2 CONDUCT AMPHIBIOUS OPERATIONS MCT 1.3.2



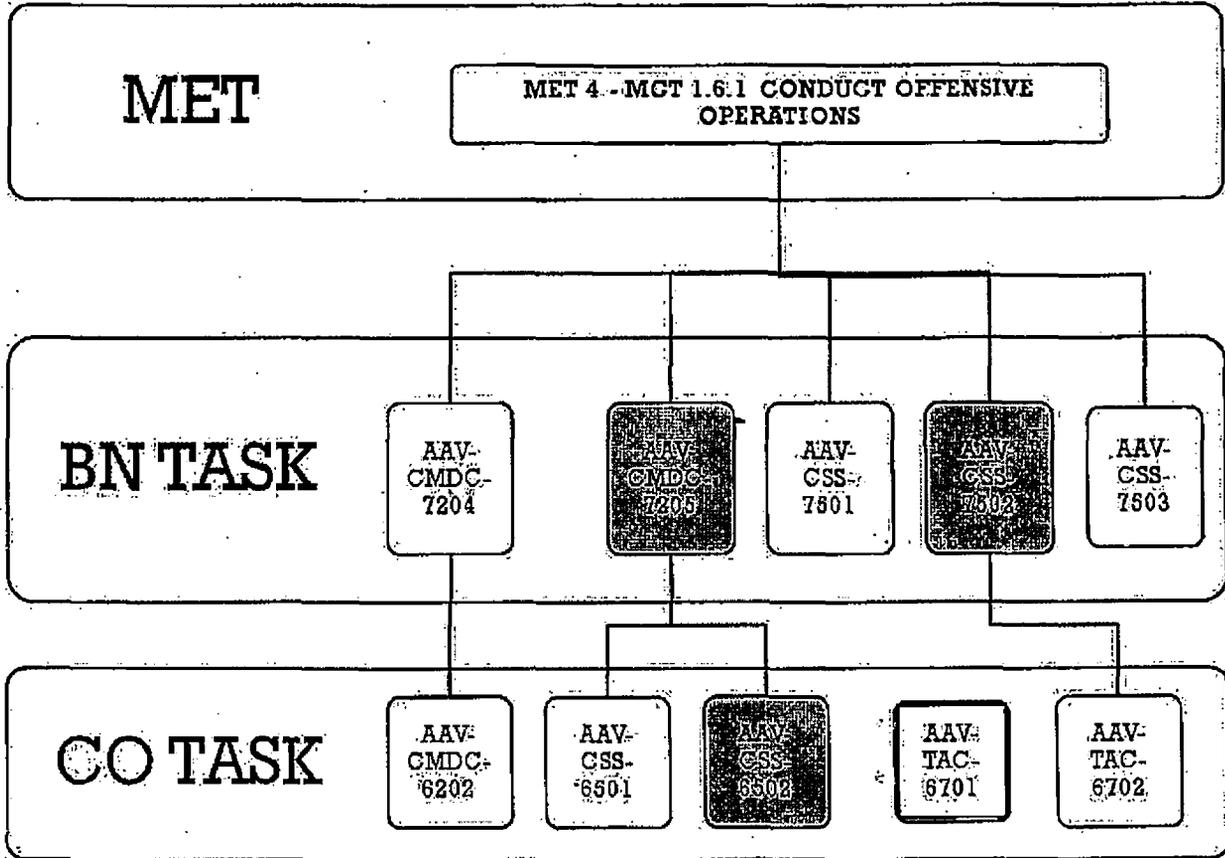
MET 3 BREACH BARRIERS AND OBSTACLES MCT 1.4.2.3



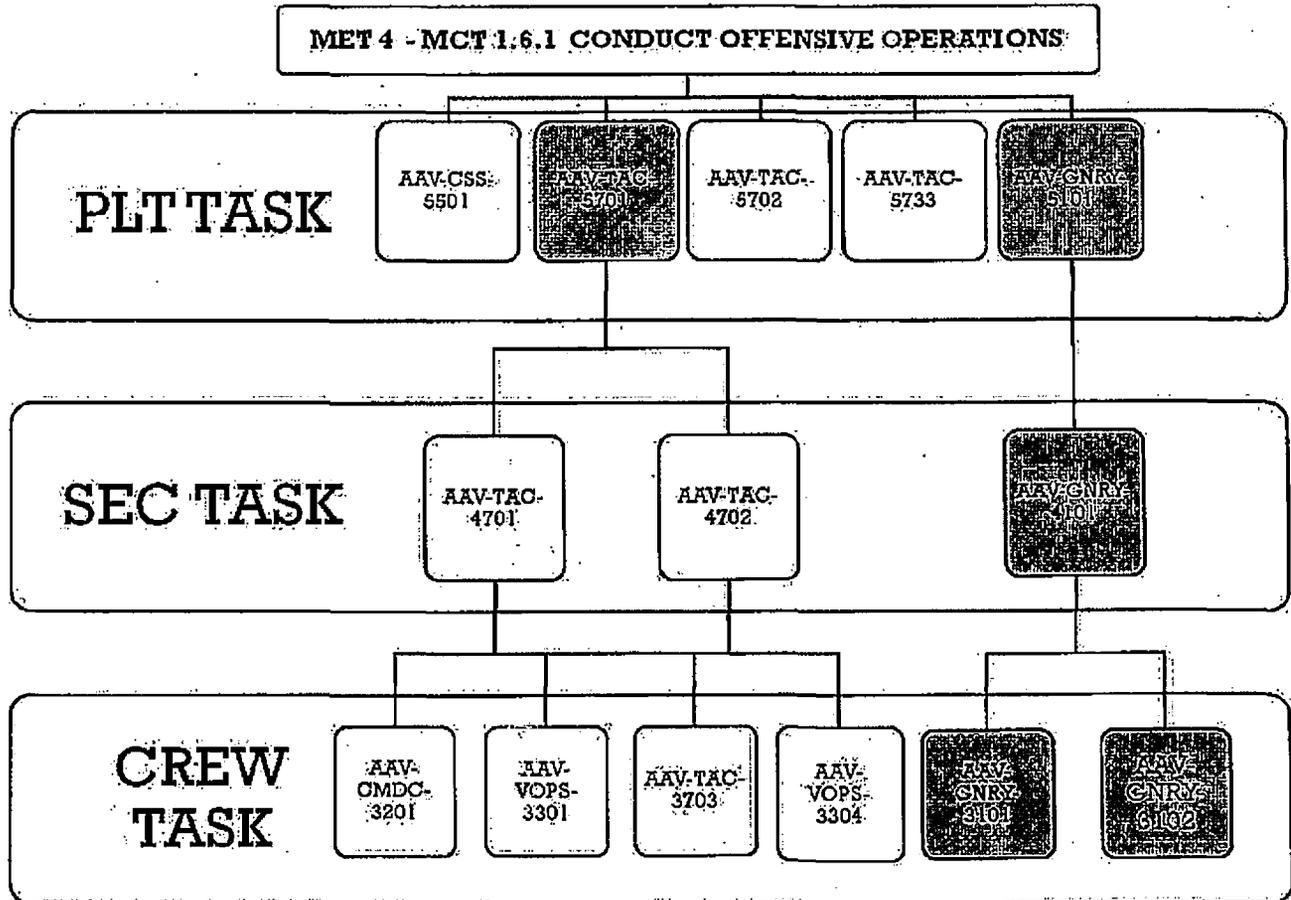
MET 3 BREACH BARRIERS AND OBSTACLES MCT 1.4.2.3



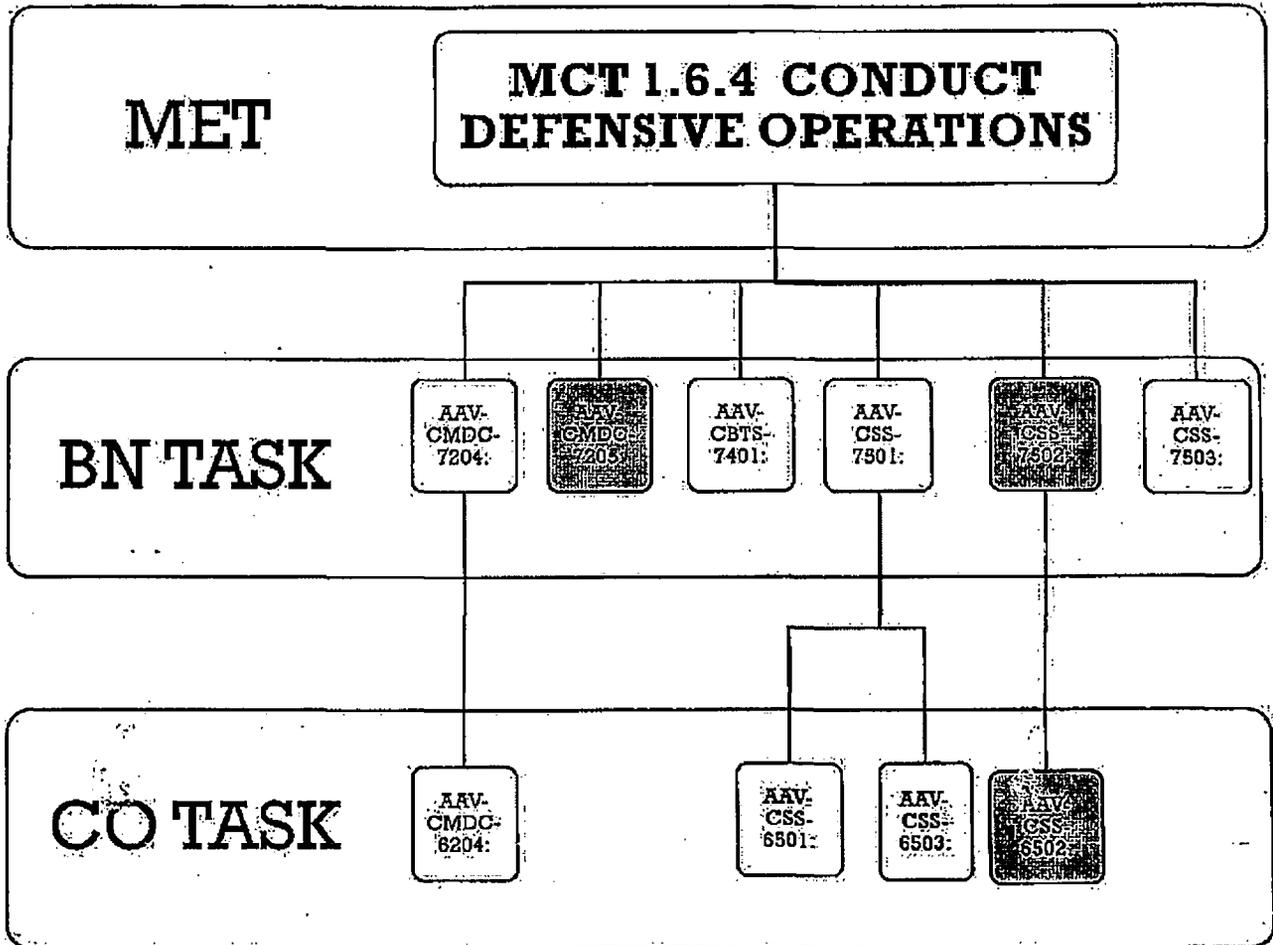
MET 4 CONDUCT OFFENSIVE OPERATION MCT 1.6.1



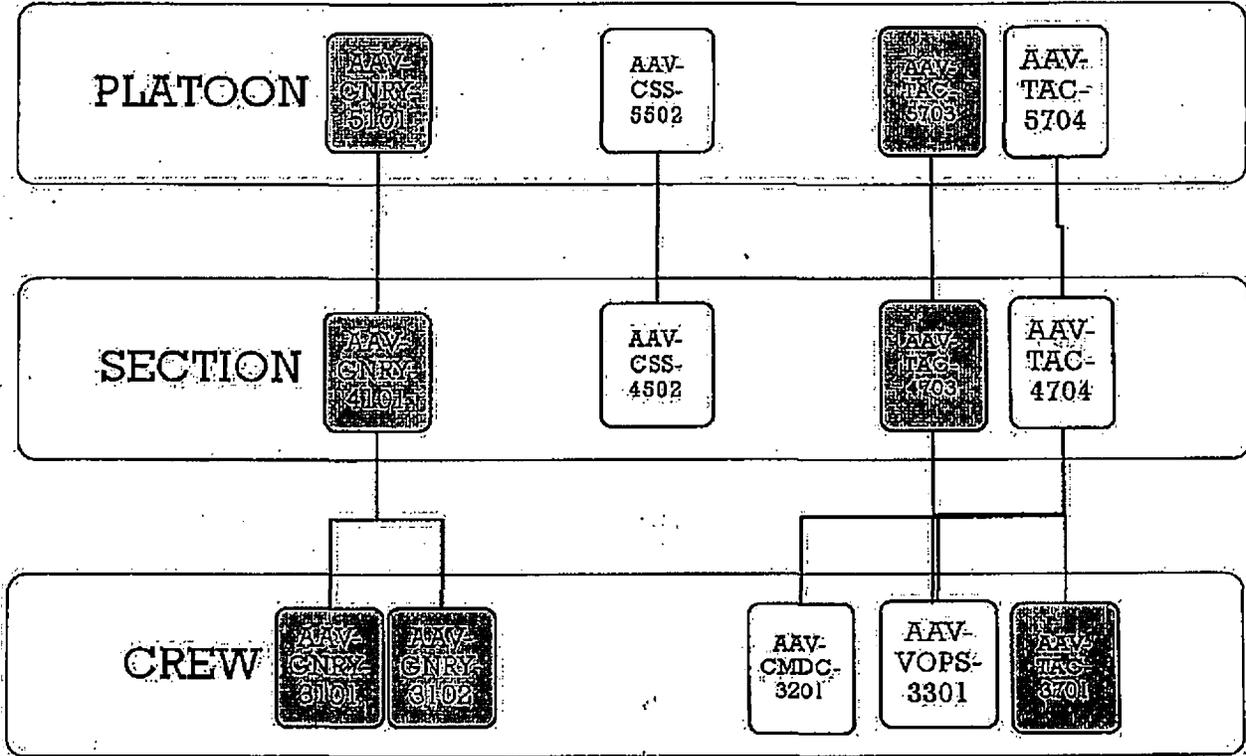
MET 4 CONDUCT OFFENSIVE OPERATION MCT 1.6.1



MET 5 CONDUCT DEFENSIVE OPERATION MCT 1.6.4



MET 5 CONDUCT DEFFENSIVE OPERATION MCT 1.6.4



MET 6 ESTABLISH MEANS FOR COMMAND AND CONTROL MCT 5.3.2

