

MCO 3501.23
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MARINE CORPS ORDER 3501.23

From: Commandant of the Marine Corps
To: Distribution List

Subj: M1A1 TANK TRAINING AND READINESS MANUAL (SHORT TITLE:
TANK T&R MANUAL)

Ref: (a) MCO 3501.1B
(b) MCO P3500.14E
(c) MCO 3501.14

Encl: (1) Training Events for Tank Units

1. Purpose. To promulgate policies, procedures, and standards for the training of M1A1 Tank units.

2. Information. References (a) and (b) establish MCCRES and T&R for implementation within the Marine Corps. Reference (c) is Volume X, Part A, MCCRES Standards for M1A1 tank units. The enclosure, supported by the policies and procedures set forth in the references, provides the training syllabus for training tank units to perform combat operations. It should be used in conjunction with MCCRES Volume X, Part A, and the Individual Training Standards (ITS) Order for OccFld 18, M1A1 Tank.

3. Action. Commanders will:

a. Use the training events contained in the enclosure as guidelines for establishing training goals and training programs, and to prepare for formal readiness evaluations conducted using reference (c), as directed by higher headquarters.

b. Maintain and use current Combat Readiness Percentages (CRPs) for all tank crews, platoons and companies within the battalion as well as the CRP for the tank battalion as a whole. These CRPs are readiness indicators only. They should be used to focus the training effort and to assist commanders in the decision making process regarding resource allocation.

c. Make every effort to conduct training when the unit is participating in its appropriate role as part of a Marine Air Ground Task Force (MAGTF) with adequate maneuver space. For tank battalions, twelve square kilometers are considered adequate

maneuver space. For tank companies, four square kilometers are considered adequate. For tank platoons, two square kilometers are considered adequate. This method will strengthen integration efforts and give a more complete evaluation of realistic combat readiness.

4. Reserve Applicability. This Order is applicable to the Marine Corps Reserve.

B. B. KNUTSON, JR.
By direction

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INTRODUCTION

The Training and Readiness Manual training divides training for tank crewmen into five levels. 100 Level training is that training conducted at the MOS producing school, in this case Fort Knox, Kentucky. 100 Level training is dictated by the Individual Training Standards (ITS) Order and leads to the assignment of the 1812 MOS for enlisted tank crewmen, or the 1802 MOS for tank officers. Because 100 Level training is driven by the ITS Order, and is the training constructed by the formal school, this manual does not contain an appreciable amount of information about it.

This manual concentrates on 200 Level and higher training, and is divided into seven sections: Section 1A contains the tank crew (200 Level) training events, Section 1B contains the tank platoon (300 Level) training events, Section 1C contains the tank company (400 Level) training events, Section 1D contains the tank battalion (500 Level) training events, Section 1E contains the ammunition requirements, Section 1F contains training intervals, and Section 1G contains event chaining/updates.

These training events provide the tank battalion commander a tool with which to focus his training effort and to maintain an objective combat readiness rating of the crews, platoons, companies, and battalion. Unlike MCCRES, which requires a comprehensive evaluation to determine combat readiness for only a "snap shot" period of time, this manual provides a continuously updated combat readiness percentage based on the successful completion of training events.

Each training event is constructed in the following format:

- Goal. The goal is a statement of action required. It describes what must be accomplished.

- Requirement. The requirement is a description of the conditions under which the goal must be accomplished and the standard to which it must be accomplished.

- Prerequisites. The prerequisites are those training events from the T&R manual that must be accomplished before the event in question.

- External Syllabus Support. The external syllabus support element describes the resources required to perform the event.

ENCLOSURE (1)

- Included ITS/MPS's. The included ITS/MPS's element contains those tasks/mission performance standards from the ITS and MCCRES Orders that are inherently a part of the event.

- Simulation. The simulation element contains information relating to the applicability of simulation to the event, i.e. can the event be conducted using simulation and, if so, what is the CRP?

Section 1G, event chaining/updates, provides the commander a list of events that may be updated by successful completion of another, more advanced event. The events listed will be updated for units/elements that successfully complete them as part of the event being trained. For example, if the battalion is defending, three companies may receive credit for the company defend event while the fourth company may receive credit for the company reserve event. The company(s) that perform the defense mission to standard as part of the battalion defense receive credit for the company defense. The company(s) that perform the reserve mission to standard as part of the battalion defense receive credit for the company reserve event.

Training events are evaluated using the "90 percent rule". This rule allows evaluators to score a "YES" when, based on his observation, the unit attempted and successfully met the standards's criteria at least 90 percent of the time. See the current edition of MCO 3501.1.____

This manual should be used in conjunction with the ITS Order and the MCCRES Volume.

100. PROGRAMS OF INSTRUCTION

101. TANK CREWMAN TRAINING (MOS: 1812)

WEEKS	COURSE/PHASE	ACTIVITY
12	Entry Level Training (100 Level) (Alternative Training Available for Reserves)	Ft. Knox, KY
8	Crew Training (200 Level)	Ft. Knox, KY
TBD	Platoon Training (300 Level)	Ft. Knox, KY
TBD	Company Training (400 Level)	FMF Tank BN
TBD	Battalion Training (500 Level)	FMF Tank BN

102. TANK OFFICER TRAINING (MOS: 1802)

WEEKS	COURSE/PHASE	ACTIVITY
16	Entry Level Training (100 Level) (Alternative Training Available for Reserves)	Ft. Knox, KY
16	Crew Training (200 Level) note 1	Ft. Knox, KY
16	Platoon Training (300 Level) note 1	Ft. Knox, KY
20	Company Training (400 Level)	Ft. Knox, KY
TBD	Battalion Training (500 Level)	FMF Tank BN

Note 1: 100, 200, and 300 Level training for officers is covered during the same 16 week course, The Armor Officer Basic Course

103. ACADEMIC TRAINING/COURSES OF INSTRUCTION LOCATION

Basic Armor Vehicle Crewman Course	Ft. Knox, KY
Armor Officer Basic Course	Ft. Knox, KY
Basic NCO Course	Ft. Knox, KY
Senior Armor Leader Course	Ft. Knox, KY
Master Gunner Course	Ft. Knox, KY
Armor Officer Advanced Course	Ft. Knox, KY
MCI Courses	MCI, Wash. DC

104. TRAINING LEVELS

1. Entry Level Training (100 level).

a. Enlisted Training. Individual Training. This training will be accomplished during MOS qualification conducted by the MARCORDET at Ft. Knox, KY or by an approved alternate method for selected reservists. Training will be conducted per the current edition of the Individual Training Standards Order and will focus on initial loader/driver training and lead to the 1812 MOS.

b. Officer Training. Individual Training. This training will be accomplished during MOS qualification conducted by the MARCORDET at Ft. Knox, KY or by an approved alternate method for selected reservists. Training will be conducted per the current edition of the Individual Training Standards Order and will focus on initial crewman/platoon commander training and lead to the 1802 MOS.

ENCLOSURE (1)

2. Crew Training (200 level). Individual/Crew Training. This training will be conducted at appropriate level resident and non-resident courses, and the FMF tank battalions. Training will be conducted per the current edition of the Individual Training Standards Order and will build upon the MOS qualification training (100 Level) conducted by the MARCORDET, Ft. Knox, KY. This training will focus on crew skills subsequent to those taught during 100 Level Training.

Category	Events	CRP
Individual		
MOS Qualification	1	5.00% each crewman
TCGST	1	5.00% each crewman
Crew		
Tank Gunnery Tables	8	25.00%
Tank Tactical Tables	3	30.00%
COFT Advanced Matrix	5	5.00%
Total	18	100.00% (see Note 2)

Note 2: The base crew CRP is derived from the individual qualification of each of the crewmembers. MOS qualification is equal to 5% for each crewman and completion of the TCGST is equal to 5% for each crewman. Therefore, 40% of the crew CRP is dependant on MOS qualification and completion of the TCGST. Individual crewmen may only be included in one crew.

Example

The loader is an 1812 and has passed the TCGST so his qualification is 5.00% + 5.00% = 10.00%

The driver is an 1812 but he has not passed the TCGST so his qualification is 5.00% + 0.00% = 5.00%

The gunner is an 1812 and has passed the TCGST so his qualification is 5.00% + 5.00% = 10.00%

The tank commander is an 1812 and has passed the TCGST so his qualification is 5.00% + 5.00% = 10.00%

- The base crew CRP = 10.00% (loader)
- 5.00% (driver)
- 10.00% (gunner)
- + 10.00% (tank commander)
- 35.00%

- The crew CRP is the sum of the base crew CRP and the event CRP attained by completion of the remainder of the 200 Level events.

3. Section/Platoon Training (300 level). Unit Training. This training will be conducted at appropriate level resident and non-resident courses, and by the FMF tank battalions. Training will build upon 100 and 200 level training conducted at Ft Knox, KY and the FMF tank battalions. This training will focus on platoon capabilities.

Catagory	Events	CRP
Section Tactical Tables	3	6.00%
Platoon		
Tactical Tables	3	6.00%
Other Tactical Operations	9	7.00%
Offensive Operations	5	13.00%
Defensive Operations	4	8.00%
Tank Gunnery Tables	2	10.00%
Total	26	50.00% (Note 3)

Note 3: The "base" 50% is derived from the CRP of the tank crews. Add the CRP of the four tank crews together and divide by 4 to get the average CRP for the crews then multiply the average CRP by 50% to get the base CRP for the platoon.

Example

1st tank/1st platoon CRP =	91.50%
2nd tank/1st platoon CRP =	85.50%
3rd tank/1st platoon CRP =	92.00%
4th tank/1st platoon CRP =	84.00%
Total	= 353.00 divided by 4 = 88.50%

- The average crew CRP in 1st platoon is 88.50%.
- $88.50\% \times 50\% = 44.25\%$
- The base CRP for 1st platoon is 44.25%
- The platoon CRP is the sum of the base CRP and the event CRP attained by completion of the 300 Level events.

4. Company Training (400 level). Unit Training. This training will be conducted at appropriate level resident and non-resident courses, and by the FMF tank battalions. Training will build upon the 300 level training conducted at Ft. Knox, KY and at the tank battalions. This training will focus on company capabilities.

Catagory	Events	CRP
Company		

ENCLOSURE (1)

Other Tactical Operations	9	9.00%
Offensive Operations	7	20.00%
Defensive Operations	4	10.00%
Mobile Assault Course	1	10.00%
Amphibious Operations	1	1.00%
Total	22	50.00% (Note 4)

Note 4: The "base" 50% is derived from the CRP of the tank platoons. Add the CRP of the three tank platoons together and divide by 3 to get the average CRP for the platoons then multiply the average CRP by 50% to get the base CRP for the company.

Example

1st platoon/Company A CRP =	86.25%
2nd platoon/Company A CRP =	74.50%
3rd platoon/Company A CRP =	62.25%
Total	= 223.00 divided by 3 = 74.33%

- The average platoon CRP in Company A is 74.33%.
- $74.33\% \times 50\% = 37.17\%$
- The base CRP for Company A is 37.17%
- The company CRP is the sum of the base CRP and the event CRP attained by completion of the 400 Level events.

5. Battalion Training (500 Level). Unit Training. This training will be conducted at appropriate level resident and non-resident courses, and by the FMF tank battalions and will build upon 400 level training. This training will focus on battalion capabilities.

Catagory	Events	CRP
Battalion		
Other Tactical Operations	11	20.00%
Offensive Operations	4	15.00%
Defensive Operations	4	14.00%
Amphibious Operations	1	1.00%
Total	20	50.00% (Note 5)

Note 5: The "base" 50% is derived from the CRP of the tank companies. Add the CRP of the four tank companies together and divide by 4 to get the average CRP for the companies then multiply the average CRP by 50% to get the base CRP for the battalion.

Example

Company A CRP	=	63.00%
Company B CRP	=	67.50%
Company C CRP	=	83.50%
Company D CRP	=	62.25%
Total	=	275.75 divided by 4 = 68.94%

- The average company CRP is 68.94%.
- $68.94\% \times 50\% = 34.47\%$
- The base CRP for the battlaion is 34.47%
- The battalion CRP is the sum of the base CRP and the event CRP attained by completion of the 500 Level events.

105. READINESS CATAGORIES

59% and below	=	Not Combat Capable
60 - 69%	=	Combat Capable (low threat) See Note 6.
70 - 84%	=	Combat Ready (medium threat) See Note 7.
85 - 99%	=	Combat Qualified (high threat) See Note 8.
100%	=	Fully Combat Qualified

Note 6: "Low Threat" is defined as action against an enemy that does not employ significant numbers of anti-tank weapons, armored vehicles, artillery, or fixed/rotary wing aircraft.

Note 7: "Medium Threat" is defined as action against an enemy that employs significant numbers of hand held/shoulder fired antitank weapons, small numbers of wire/laser guided antitank weapons, small numbers of armored vehicles of limited capability, artillery, and fixed/rotary wing aircraft.

Note 8: "High Threat" is defined as action against an enemy that employs the full spectrum of antitank weapons, late model armored vehicles, artillery, and fixed/rotary wing aircraft; and is capable of conducting combined arms operations.

106. SIMULATION

Each Training Event contains information relating to the applicability of simulation. If simulator training applies to

ENCLOSURE (1)

the event, then the applicable simulator(s) is/are listed in the "Simulation" section and the CRP for simulation training is given. This simulation training can either be used in place of live training, at the reduced CRP indicated; or can be used as precursor training for the live event. In the case where simulation is used as a precursor for the live event, then the unit will receive credit for both the simulation CRP and the live event CRP if both are completed to standard.

SECTION 1A

TANK CREW

107. TRAINING EVENTS

Individual (Enl) - Formal School - 100 Level (IN-FS-110) CRP 5.0%

Goal. Complete the M1A1 Armor Crewman Course at Ft. Knox, KY and receive the 1812 MOS.

Requirement. Successfully complete the Program of Instruction and receive designation as an 1812.

Prerequisites. N/A.

External Syllabus Support. N/A.

Included ITS/MPS's. Designated by the Program of Instruction.

Simulation. No.

Individual (Off) - Formal School - 100 Level (IN-FS-111) CRP 5.0%

Goal. Complete the Armor Officer Basic Course at Ft. Knox, KY and receive the 1802 MOS.

Requirement. Successfully complete the Program of Instruction and receive designation as an 1802.

Prerequisites. N/A.

External Syllabus Support. N/A.

Included ITS/MPS's. Designated by the Program of Instruction.

Simulation. No.

Individual - Gunnery - 200 Level (IN-GN-215) CRP 5.0%

Goal. Pass the Tank Crew Gunnery Skills Test as prescribed by the current edition of the FM 17-12-1-2.

Requirement. Given an operational M1A1 tank, appropriate TM's, other crewmen, event specific equipment as specified in the current edition of the FM 17-12-1-2, and a place to operate the tank, successfully complete the TCGST.

ENCLOSURE (1)

Prerequisites. IN-FS-110 or IN-FS-111 as appropriate.

External Syllabus Support. As per the event specific requirements contained in the current edition of the FM 17-12-1-2.

Included ITS/MPS's. ITS 1812.1.8, 1812.1.19, 1812.1.21, 1812.2.2, 1812.2.16, 1812.3.2, 1812.3.3, 1812.3.5, 1812.3.11, 1812.3.14, 1812.3.15, 1812.3.16, 1812.3.21, 1812.3.23, 1812.4.2, 1812.4.11, 1812.4.25

Simulation. No.

Crew - Gunnery - 200 Level (CR-GN-220) CRP 1.00%

Goal. Pass Tank Gunnery Table I.

Requirement. Given an M1A1 tank and appropriate TM's complete Tank Gunnery Table I per the standards set forth in the current edition of the FM 17-12-1-2.

Prerequisites. IN-FS-110 or IN-FS-111 as appropriate.

External Syllabus Support. A training area large enough to accommodate one stationary M1A1 tank and full scale targets at realistic ranges or a scaled range with appropriate targets. The M55 laser, snake board, manipulation target, and Stout Board.

Included ITS/MPS's. ITS 1812.2.3, 1812.2.5, 1812.2.14, 1812.2.16, 1812.3.14, 1812.3.15, 1812.3.19, 1812.3.20, 1812.3.21, 1812.3.22, 1812.4.2, 1812.4.7, 1812.4.11

Simulation. Yes (COFT) 0.50%

Crew - Gunnery - 200 Level (CR-GN-221) CRP 1.00%

Goal. Pass Tank Gunnery Table II.

Requirement. Given an M1A1 tank and appropriate TM's, complete Tank Gunnery Table II per the standards set forth in the current edition of FM 17-12-1-2.

Prerequisites. IN-FS-110, IN-FS-111 as appropriate.

External Syllabus Support. A firing range that will accommodate one stationary M1A1 tank and 1/2 scale targets at ranges between 200-400 meters, or full scale targets at ranges out to 1,200m. A .50 caliber Telfare Device.

Included ITS/MPS's. ITS 1812.2.3, 1812.2.5, 1812.2.14, 1812.2.16, 1812.2.19, 1812.3.14, 1812.3.15, 1812.3.19, 1812.3.20, 1812.3.21, 1812.3.22, 1812.4.2, 1812.4.7, 1812.4.11, 1812.4.17, 1812.5.9

Simulation. Yes (COFT) 0.50%

Crew - Gunnery - 200 Level (CR-GN-222) CRP 2.00%

Goal. Pass Tank Gunnery Table III.

Requirement. Given an M1A1 tank and appropriate TM's, complete Tank Gunnery Table III per the standards set forth in the current edition of FM 17-12-1-2.

Prerequisites. IN-FS-110, IN-FS-111 as appropriate.

External Syllabus Support. A firing range large enough to accommodate one moving M1A1 tank and 1/2 scale or full scale targets at realistic ranges. The M179 Telfare Device. The range must be capable of handling up to .50 caliber machineguns.

Included ITS/MPS's. ITS 1812.2.3, 1812.2.5, 1812.2.14, 1812.2.16, 1812.2.19, 1812.3.14, 1812.3.15, 1812.3.19, 1812.3.20, 1812.3.21, 1812.3.22, 1812.4.2, 1812.4.7, 1812.4.11, 1812.4.17, 1812.5.9

Simulation. Yes (COFT) 1.00%

Crew - Gunnery - 200 Level (CR-GN-223) CRP 2.00%

Goal. Pass Tank Table IV.

Requirement. Given an M1A1 tank and appropriate TM's, complete Tank Table IV per the standards set forth in the current edition of FM 17-12-1-2.

Prerequisites. IN-GN-215.

External Syllabus Support. A firing range large enough to accomodate one moving M1A1 tank and full scale targets at ranges up to 1200m. The M179 Telfare Device. The range must be capable of handling up to .50 caliber machineguns.

Included ITS/MPS's. ITS 1812.2.3, 1812.2.5, 1812.2.14, 1812.2.16, 1812.2.19, 1812.3.14, 1812.3.15, 1812.3.19, 1812.3.20, 1812.3.21, 1812.3.22, 1812.4.2, 1812.4.7, 1812.4.11, 1812.4.17, 1812.5.9

Simulation. No.

Crew - Gunnery - 200 Level (CR-GN-224) CRP 2.00%

Goal. Pass Tank Gunnery Table V.

Requirement. Given an M1A1 tank and appropriate TM's, complete Tank Gunnery Table V per the standards set forth in the current edition of FM 17-12-1-2.

Prerequisites. CR-GN-223.

External Syllabus Support. A firing range large enough to accomodate two moving M1A1 tanks (one firing tank and a wingman) and full scale targets at ranges up to 1200m. The range must be capable of handling up to .50 caliber machineguns.

Included ITS/MPS's. ITS 1812.2.1, 1812.2.2, 1812.2.3, 1812.2.5, 1812.3.4, 1812.3.6, 1812.3.7, 1812.3.9, 1812.3.10, 1812.3.12, 1812.3.17, 1812.3.18, 1812.3.19, 1812.3.20, 1812.3.21, 1812.3.22, 1812.4.2, 1812.4.7, 1812.4.11, 1812.4.17, 1812.5.9

Simulation. Yes (COFT) 1.00%

Crew - Gunnery - 200 Level (CR-GN-225) CRP 3.00%

Goal. Pass Tank Gunnery Table VI.

Requirement. Given an M1A1 tank and appropriate TM's, complete Tank Gunnery Table VI per the standards set forth in the current edition of FM 17-12-1-2.

Prerequisites. CR-GN-223.

External Syllabus Support. A firing range large enough to accomodate two stationary M1A1 tanks (one firing tank and a wingman) and full scale targets at ranges up to 2000m. The range must be capable of handling up to 120mm main gun rounds.

Included ITS/MPS's. ITS 1812.2.2, 1812.2.3, 1812.2.5, 1812.2.13, 1812.3.4, 1812.3.5, 1812.3.6, 1812.3.8, 1812.3.11, 1812.3.12, 1812.3.14, 1812.3.15, 1812.3.16, 1812.3.17, 1812.3.19, 1812.3.20, 1812.3.21, 1812.3.22, 1812.3.23, 1812.3.24, 1812.3.25, 1812.4.2, 1812.4.7, 1812.4.11, 1812.4.17, 1812.5.9

Simulation. Yes (COFT) 1.50%

Crew - Gunnery - 200 Level (CR-GN-226) CRP 4.00%

Goal. Pass Tank Gunnery Table VII.

Requirement. Given an M1A1 tank and appropriate TM's, complete Tank Gunnery Table VI per the standards set forth in the current edition of FM 17-12-1-2.

Prerequisites. CR-GN-225.

External Syllabus Support. A firing range large enough to accomodate two moving M1A1 tanks (one firing tank and a wingman) and full scale targets at ranges up to 2000m. The range must be capable of handling up to 120mm main gun rounds.

Included ITS/MPS's. ITS 1812.2.1, 1812.2.2, 1812.2.3, 1812.2.5, 1812.2.13, 1812.2.14, 1812.2.15, 1812.2.16, 1812.2.17, 1812.2.18, 1812.2.19, 1812.3.1, 1812.3.2, 1812.3.3, 1812.3.4, 1812.3.5, 1812.3.6, 1812.3.7, 1812.3.8, 1812.3.9, 1812.3.10, 1812.3.11, 1812.3.12, 1812.3.13, 1812.3.14, 1812.3.15, 1812.3.16, 1812.3.17, 1812.3.18, 1812.3.19, 1812.3.20, 1812.3.21, 1812.3.22, 1812.3.23, 1812.3.24, 1812.3.25, 1812.4.2, 1812.4.7, 1812.4.11, 1812.4.17, 1812.5.9

Simulation. Yes (COFT) 2.00%

Crew - Gunnery - 200 Level (CR-GN-227) CRP 10.00%

Goal. Pass Tank Gunnery Table VIII.

ENCLOSURE (1)

Requirement. Given an M1A1 tank and appropriate TM's, complete Tank Gunnery Table VIII per the standards set forth in the current edition of FM 17-12-1-2.

Prerequisites. CR-GN-226.

External Syllabus Support. A firing range large enough to accomodate two moving M1A1 tanks (one firing tank and a wingman) and full scale targets at ranges up to 2000m. The range must be capable of handling up to 120mm main gun rounds.

Included ITS/MPS's. ITS 1812.2.1, 1812.2.2, 1812.2.3, 1812.2.5, 1812.2.13, 1812.2.14, 1812.2.15, 1812.2.16, 1812.2.17, 1812.2.18, 1812.2.19, 1812.3.1, 1812.3.2, 1812.3.3, 1812.3.4, 1812.3.5, 1812.3.6, 1812.3.7, 1812.3.8, 1812.3.9, 1812.3.10, 1812.3.11, 1812.3.12, 1812.3.13, 1812.3.14, 1812.3.15, 1812.3.16, 1812.3.17, 1812.3.18, 1812.3.19, 1812.3.20, 1812.3.21, 1812.3.22, 1812.3.23, 1812.3.24, 1812.3.25, 1812.4.2, 1812.4.7, 1812.4.11, 1812.4.17, 1812.5.9

Simulation. No.

Individual - Tactics - 200 Level (IN-TA-230) CRP 10.00%
Goal. Pass Tank Tactical Table A.

Requirement. Given an M1A1 tank and appropriate TM's, complete the prescribed tasks for the appropriate crew position from Tank Tactical Table A per the standards set forth in the FM 17-12-1-2 of 1988.

Prerequisites. IN-FS-110 or IN-FS-111 as appropriate.

External Syllabus Support. A maneuver area large enough to accomodate one moving M1A1 tank and task dependant equipment.

Included ITS/MPS's. ITS 1812.2.4, 1812.2.13, 1812.3.21, 1812.3.23, 1812.4.1, 1812.4.2, 1812.4.6, 1812.4.7, 1812.4.16, 1812.4.21, 1812.5.1, 1812.7.1, 1812.7.2, MPS 10C.2.3, 10C.5.1, 10C.5.2

Simulation. No.

Crew - Tactics - 200 Level (CR-TA-231) CRP 10.00%

Goal. Pass Tank Tactical Table B.

Requirement. Given an M1A1 tank and appropriate TM's, complete Tank Tactical Table B per the standards set forth in the FM 17-12-1-2 of 1988.

Prerequisites. Each crewmember must pass the appropriate position tasks from IN-TA-230.

External Syllabus Support. A maneuver area large enough to accomodate one moving M1A1 tank and task dependant equipment.

Included ITS/MPS's. ITS 1812.5.5, 1812.5.9, MPS 10C.5.1, 10C.5.2

Simulation. No.

Crew - Tactics - 200 Level (CR-TA-232)

CRP 10.00%

Goal. Pass Tank Tactical Table C.

Requirement. Given an M1A1 tank and appropriate TM's, complete Tank Tactical Table C per the standards set forth in the FM 17-12-1-2 of 1988.

Prerequisites. CR-TA-231.

External Syllabus Support. A maneuver area large enough to accomodate one moving M1A1 tank and task dependant equipment.

Included ITS/MPS's. ITS 1812.2.1, 1812.2.2, 1812.2.5, 1812.2.13, 1812.3.4, 1812.3.5, 1812.3.8, 1812.3.9, 1812.3.10, 1812.3.11, 1812.3.12, 1812.3.13, 1812.3.14, 1812.3.15, 1812.3.17, 1812.3.18, 1812.3.19, 1812.3.20, 1812.3.21, 1812.4.2, 1812.4.11, 1812.4.14, 1812.4.15

Simulation. No.

Crew - COFT - 200 Level (CR-CT-240)

CRP 1.00%

Goal. Pass COFT Advanced Matrix Group One Exercises.

Requirement. Given an M1A1 COFT and appropriate TM's, complete the COFT Advanced Matrix Group One Exercises per the unit COFT standards.

ENCLOSURE (1)

Prerequisites. IN-FS-110 or IN-FS-111 as appropriate. Pass COFT Regular Matrix Exercises.

External Syllabus Support. None.

Included ITS/MPS's. ITS 1812.2.5, 1812.3.2, 1812.3.3, 1812.3.9, 1812.3.10, 1812.3.12, 1812.3.14, 1812.3.15, 1812.3.19, 1812.3.20, 1812.3.21, 1812.3.22, 1812.4.2, 1812.4.7, 1812.4.11

Simulation. N/A

Crew - COFT - 200 Level (CR-CT-241) CRP 1.00%

Goal. Pass COFT Advanced Matrix Gate Exercises.

Requirement. Given an M1A1 COFT and appropriate TM's, complete the COFT Advanced Matrix Gate Exercises in per the unit COFT standards.

Prerequisites. CR-CT-240.

External Syllabus Support. None.

Included ITS/MPS's. ITS 1812.2.5, 1812.3.2, 1812.3.3, 1812.3.9, 1812.3.10, 1812.3.12, 1812.3.14, 1812.3.15, 1812.3.19, 1812.3.20, 1812.3.21, 1812.3.22, 1812.4.2, 1812.4.7, 1812.4.11

Simulation. N/A

Crew - COFT - 200 Level (CR-CT-242) CRP 1.00%

Goal. Pass COFT Advanced Matrix Group Two Exercises.

Requirement. Given an M1A1 COFT and appropriate TM's, complete the COFT Advanced Matrix Group Two Exercises per the unit COFT standards.

Prerequisites. CR-CT-241.

External Syllabus Support. None.

Included ITS/MPS's. ITS 1812.2.5, 1812.3.2, 1812.3.3, 1812.3.9, 1812.3.10, 1812.3.12, 1812.3.14, 1812.3.15, 1812.3.19, 1812.3.20, 1812.3.21, 1812.3.22, 1812.4.2, 1812.4.7, 1812.4.11

Simulation. N/A

Crew - COFT - 200 Level (CR-CT-243)

CRP 1.00%

Goal. Pass COFT Advanced Matrix Group Three Exercises.

Requirement. Given an M1A1 COFT and appropriate TM's, complete the COFT Advanced Matrix Group Three Exercises per the unit COFT standards.

Prerequisites. CR-CT-242.

External Syllabus Support. None.

Included ITS/MPS's. ITS 1812.2.5, 1812.3.2, 1812.3.3, 1812.3.9, 1812.3.10, 1812.3.12, 1812.3.14, 1812.3.15, 1812.3.19, 1812.3.20, 1812.3.21, 1812.3.22, 1812.4.2, 1812.4.7, 1812.4.11

Simulation. N/A

Crew - COFT - 200 Level (CR-CT-244)

CRP 1.00%

Goal. Pass COFT Advanced Matrix Group Four Exercises.

Requirement. Given an M1A1 COFT and appropriate TM's, complete the COFT Advanced Matrix Group Four Exercises per the unit COFT standards.

Prerequisites. CR-CT-243.

External Syllabus Support. None.

Included ITS/MPS's. ITS 1812.2.5, 1812.3.2, 1812.3.3, 1812.3.9, 1812.3.10, 1812.3.12, 1812.3.14, 1812.3.15, 1812.3.19, 1812.3.20, 1812.3.21, 1812.3.22, 1812.4.2, 1812.4.7, 1812.4.11

Simulation. N/A

ENCLOSURE (1)

SECTION 1B
TANK PLATOON

Section - Tactics - 300 Level (SC-TA-310) CRP 2.00%

Goal. Pass Tank Tactical Table D.

Requirement. Given an M1A1 tank section and appropriate TM's, complete Tank Tactical Table D per the standards set forth in the FM 17-12-1-2 of 1988.

Prerequisites. CR-TA-232.

External Syllabus Support. A maneuver area large enough to accomodate two moving M1A1 tanks and task dependant equipment.

Included ITS/MPS's. ITS 1812.2.4, 1812.2.5, 1812.2.13, 1812.4.1, 1812.4.3, 1812.4.4, 1812.4.6, MPS 10C.3.3

Simulation. Yes (sand table/terrain model) 1.00%

Section - Tactics - 300 Level (SC-TA-311) CRP 2.00%

Goal. Pass Tank Tactical Table E.

Requirement. Given an M1A1 tank section and appropriate TM's, complete Tank Tactical Table E per the standards set forth in the FM 17-12-1-2 of 1988.

Prerequisites. SC-TA-310.

External Syllabus Support. A maneuver area large enough to accomodate two moving M1A1 tanks and task dependant equipment.

Included ITS/MPS's. ITS 1812.2.4, 1812.2.5, 1812.2.13, 1812.4.1, 1812.4.2, 1812.4.3, 1812.4.4, 1812.4.5, 1812.4.6, 1812.4.7, 1812.4.11, 1812.4.16, MPS 10C.3.17, 10C.5.1, 10C.5.2

Simulation. Yes (sand table/terrain model) 1.00%

Section - Tactics - 300 Level (SC-TA-312) CRP 2.00%

Goal. Pass Tank Tactical Table F.

Requirement. Given an M1A1 tank section and appropriate TM's, complete Tank Tactical Table F per the standards set forth in the FM 17-12-1-2 of 1988.

Prerequisites. SC-TA-311.

External Syllabus Support. A maneuver area large enough to accomodate two moving M1A1 tanks and task dependant equipment.

Included ITS/MPS's. ITS 1812.2.1, 1812.2.2, 1812.2.4, 1812.2.5, 1812.2.13, 1812.3.9, 1812.3.10, 1812.3.12, 1812.3.13, 1812.3.14, 1812.3.15, 1812.3.19, 1812.3.20, 1812.3.21, 1812.3.22, 1812.4.2, 1812.4.3, 1812.4.4, 1812.4.5, 1812.4.6, 1812.4.7, 1812.4.16, 1812.4.18, MPS 10C.3.17, 10C.3.18, 10C.3.21, 10C.4.1

Simulation. Yes (sand table/terrain model) 1.00%

Platoon - Tactics - 300 Level (PL-TA-313) CRP 2.00%

Goal. Pass Tank Tactical Table G.

Requirement. Given an M1A1 tank platoon, appropriate TM's, and task dependant equipment, complete Tank Tactical Table F per the standards set forth in the FM 17-12-1-2 of 1988.

Prerequisites. SC-TA 310, SC-TA-311, SC-TA-312

External Syllabus Support. A maneuver area large enough to permit the coordinated, simultaneous maneuver of four M1A1 tanks plus task dependant equipment.

Included ITS/MPS's. ITS 1802.2.8, 1802.2.11, MPS 10C.3.2, 10C.3.3, 10C.3.4, 10C.3.6, 10C.3.7, 10C.3.11

Simulation. No.

Platoon - Tactics - 300 Level (PL-TA-314) CRP 2.00%

Goal. Pass Tank Tactical Table H.

Requirement. Given an M1A1 tank platoon, appropriate TM's, and task dependant equipment, complete Tank Tactical Table F per the standards set forth in the FM 17-12-1-2 of 1988.

Prerequisites. SC-TA 310, SC-TA-311, SC-TA-312, PL-TA-313

External Syllabus Support. A maneuver area large enough to permit the coordinated simultaneous maneuver of four M1A1 tanks plus task dependant equipment.

Included ITS/MPS's. ITS 1802.2.5, 1802.2.10 MPS 10C.3.17, 10C.3.18, 10C.5.1, 10C.5.2

Simulation. No.

Platoon - Tactics - 300 Level (PL-TA-315) CRP 2.00%

Goal. Pass Tank Tactical Table I.

Requirement. Given an M1A1 tank platoon, appropriate TM's, and task dependant equipment, complete Tank Tactical Table F per the standards set forth in the FM 17-12-1-2 of 1988.

Prerequisites. SC-TA 310, SC-TA-311, SC-TA-312, PL-TA-313, PL-TA-314

External Syllabus Support. A maneuver area large enough to permit the coordinated simultaneous maneuver of four M1A1 tanks plus task dependant equipment.

Included ITS/MPS's. ITS 1802.2.2, 1802.2.5, 1802.2.10 MPS 10C.3.17, 10C.3.18, 10C.3.24, 10C.3.27, 10C.5.1, 10C.5.2

Simulation. No.

Platoon - Other Tactical Ops - 300 Level (PL-OT-320) CRP 0.75%

Goal. Execute a staggered column formation.

Requirement. The platoon is required to move along a route where flexibility, overwatch by the trail section, and improved security are desired, and speed is not essential. The terrain will permit movement in a staggered column. Threat contact is not expected. The platoon must execute the staggered column quickly without stopping movement.

Prerequisites. SC-TA-310, SC-TA-311, SC-TA-312

ENCLOSURE (1)

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated maneuver of up to four M1A1 tanks.

Included ITS/MPS's. ITS 1802.2.8, 1802.2.11, MPS 10C.3.5, 10C.3.8, 10C.3.9, 10C.3.10

Simulation. No.

Platoon - Other Tactical Ops - 300 Level (PL-OT-321) CRP 0.75%

Goal. Execute an echelon formation.

Requirement. The platoon is stationary or moving and is required to move tactically cross-country while screening an exposed flank as part of a company. The platoon may also use the echelon formation to bypass Threat forces as part of a contact drill where firepower to the front and to one flank is desired. Terrain permits movement into an echelon formation. Threat contact is possible or expected. The platoon must execute the echelon quickly, without stopping movement.

Prerequisites. SC-TA-310, SC-TA-311, SC-TA-312

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated maneuver of up to four M1A1 tanks.

Included ITS/MPS's. ITS 1802.2.8, 1802.2.11, MPS 10C.3.5, 10C.3.8, 10C.3.9, 10C.3.10

Simulation. No.

Platoon - Other Tactical Ops - 300 Level (PL-OT-322) CRP 0.75%

Goal. Execute traveling.

Requirement. The platoon is operating where Threat contact is not likely and speed is essential; or the platoon is overwatched by another unit where Threat contact is possible and speed is essential. The platoon must move as a unit in the proper formation as fast as the factors of METT-TSL will allow.

Prerequisites. SC-TA-310, SC-TA-311, SC-TA-312

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated maneuver of up to four M1A1 tanks.

Included ITS/MPS's. ITS 1802.2.8, 1802.2.11, MPS 10C.3.5, 10C.3.8, 10C.3.9, 10C.3.10

Simulation. No.

Platoon - Other Tactical Ops - 300 Level (PL-OT-323) CRP 0.75%

Goal. Execute traveling overwatch.

Requirement. The platoon is operating in a tactical environment where Threat contact is possible. The platoon may or may not be overwatched by another platoon. The platoon must move as a unit with the lead section continuing to move while the trail section provides overwatch either while moving or from temporary halts.

Prerequisites. SC-TA-310, SC-TA-311, SC-TA-312.

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated maneuver of up to four M1A1 tanks.

Included ITS/MPS's. ITS 1812.2.9, 1812.4.6, 1812.4.9, 1812.4.13, 1812.4.16, 1812.4.18, 1812.4.19, 1812.4.20, 1812.4.21, 1812.4.25, MPS 10C.1.1, 10C.1.2, 10C.1.3, 10C.1.4, 10C.1.5, 10C.1.6, 10C.1.7, 10C.3.9, 10C.3.10, 10C.3.11, 10C.3.17, 10C.3.19, 10C.3.20, 10C.3.22, 10C.3.24, 10C.3.27, 10C.5.1, 10C.5.2

Simulation. No.

Platoon - Other Tactical Ops - 300 Level (PL-OT-324) CRP 1.25%

Goal. Conduct a tactical road march.

Requirement. The platoon has been given an operation order or fragmentary order, complete with graphics, to conduct a tactical road march as part of a company operation. Threat contact is not expected. The platoon executes the road march as ordered within the time requirements specified in the operation or fragmentary order.

ENCLOSURE (1)

Prerequisites. SC-TA-310, SC-TA-311, SC-TA-312, PL-TA-315

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated maneuver of up to four M1A1 tanks.

Included ITS/MPS's. ITS 1802.1.1, 1802.2.12, MPS 10C.1.7, 10C.2.1, 10C.3.12

Simulation. No.

Platoon - Other Tactical Ops - 300 Level (PL-OT-325) CRP 1.25%

Goal. Perform assembly area activities.

Requirement. The platoon receives orders to occupy an assembly area as part of an operation. A quartering party has already been sent to the assembly area site and guides are posted at the release point. The platoon has concluded its movement along the route specified in the order and has arrived at the release point. Threat contact is not expected. The platoon must enter the assembly area without stopping or blocking the route of march and perform all assembly area activities per instructions and in accordance with established work priorities.

Prerequisites. PL-OT-324

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated maneuver of up to four M1A1 tanks.

Included ITS/MPS's. ITS 1802.2.7, 1812.1.8, 1812.1.9, 1812.1.18, 1812.1.19, 1812.1.21, 1812.1.25, 1812.1.26, 1812.1.29, 1812.1.30, 1812.2.20, 1812.2.21, 1812.4.10, 1812.4.12, MPS 10C.1.2, 10C.1.3, 10C.2.1, 10C.2.2, 10C.6.1, 10C.6.3

Simulation. No.

Platoon - Other Tactical Ops - 300 Level (PL-OT-326) CRP 0.50%

Goal. Assist a passage of lines.

Requirement. The platoon is stationary in a hasty or deliberate battle position. The platoon has received an operation order or fragmentary order to assist the passage of another unit through it's position. Threat contact is possible. The passing unit is either to the rear of the platoon and will pass forward or it is fighting a defensive battle forward of the platoon and will pass rearward and hand the battle over to the platoon. The platoon must assist the passing unit so that no personnel or equipment loses are inflicted due to fratricide and no security breaches occur.

Prerequisites. PL-OT-325, PL-DF-340

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated maneuver of up to four M1A1 tanks and the movement of a platoon sized passing force.

Included ITS/MPS's. MPS 10C.3.14, 10C.4.2

Simulation. No.

Platoon - Other Tactical Ops - 300 Level (PL-OT-327) CRP 0.50%

Goal. Conduct a passage of lines.

Requirement. The platoon has received an operation order or fragmentary order, complete with graphics, to conduct a forward or rearward passage of lines as part of a company operation. The platoon leader has been ordered to act as the liaison officer for the passing unit or has been thoroughly briefed by the company commander on the conduct of the passage. Threat contact during the passage is possible. If selected as the liaison officer, the platoon leader completes the coordination and is prepared to brief the company commander on the conduct of the passage. The passage must be conducted at the time specified in the order and it must result in the platoon's passage through the stationary unit with no compromise of security and no casualties caused by fratricide. Upon completion of the passage, the platoon must be ready to continue it's mission.

Prerequisites. PL-TA-315, PL-OT-324, PL-OT-325

ENCLOSURE (1)

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated maneuver of up to four M1A1 tanks and a platoon sized stationary force.

Included ITS/MPS's. MPS 10C.3.15

Simulation. No.

Platoon - Other Tactical Ops - 300 Level (PL-OT-328) CRP 0.50%

Goal. Assist a relief in place.

Requirement. The platoon is conducting offensive or defensive operations as part of a company. The company has been ordered to conduct a relief in place as either the relieving or relieved unit. The incoming and outgoing company commanders have coordinated for the relief. The platoon leader has received an operations order or fragmentary order to assist the relief in place by relieving or being relieved by his counterpart platoon from the other company. The relief may be conducted either to maximize security or to maximize speed of completion. Threat contact is possible during the relief. The relief must be completed by the time of "change of responsibility" specified in the order and it must not compromise the operation to Threat observers or intelligence collectors either visually or by radio traffic. Continuous observation of the platoon's sector of fire (defensive reliefs) must be achieved and there must be no friendly casualties as a result of fratricide.

Prerequisites. Offense; PL-TA-315, PL-OT-324, PL-OT-325, Defense; PL-TA-315, PL-DF-340

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated maneuver of up to four M1A1 tanks and a platoon sized stationary force.

Included ITS/MPS's. ITS 1802.2.3, MPS 10C.3.26

Simulation. No.

Platoon - Offense - 300 Level (PL-OF-330) CRP 1.00%

ENCLOSURE (1)

Goal. Perform reconnaissance by fire.

Requirement. The company is operating as part of a company attack where Threat contact is expected. The company commander gives the platoon permission to develop the situation through reconnaissance by fire to flush the enemy out of a suspected position. The Threat consists of no more than a tank/mechanized platoon in hasty defensive positions. This goal may be conducted as part of gunnery training.

Prerequisites. PL-TA-315, PL-OT-323

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated maneuver of up to four M1A1 tanks plus the integration of a stationary Threat armored/mechanized platoon. A live fire range capable of handling 120mm main gun rounds and .50 caliber machinegun rounds if conducted as part of gunnery training.

Included ITS/MPS's. MPS 10C.3.19

Simulation. No.

Platoon - Offense - 300 Level (PL-OF-331)

CRP 3.00%

Goal. Execute actions on contact.

Requirement. The platoon is conducting offensive operations, is moving, and encounters a moving or stationary Threat tank or motorized rifle platoon. The Threat force engages the platoon. The platoon returns fire and the platoon leader orders a contact drill within 15 seconds. No more than one tank is lost to hostile fire.

Prerequisites. PL-TA-315, PL-OT-323, PL-OF-330

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated maneuver of up to four M1A1 tanks plus the integration of a stationary Threat armored/mechanized platoon.

ENCLOSURE (1)

Included ITS/MPS's. ITS 1812.4.3, 1812.4.4, 1812.4.5, 1812.4.8, 1812.4.23, 1812.4.24, MPS 10C.1.1, 10C.1.4, 10C.1.5, 10C.1.6, 10C.1.7, 10C.3.1, 10C.3.2, 10C.3.3, 10C.3.4, 10C.3.5, 10C.3.6, 10C.3.7, 10C.3.8, 10C.3.9, 10C.3.10, 10C.3.11, 10C.3.12, 10C.3.13, 10C.3.14, 10C.3.15, 10C.3.16, 10C.3.18, 10C.3.21, 10C.3.23, 10C.3.25, 10C.3.26.

Simulation. No.

Platoon - Offense - 300 Level (PL-OF-332)

CRP 3.00%_

Goal. Perform fire and movement.

Requirement. The platoon is operating as part of a company attack. The platoon has made contact with a Threat platoon in hasty defensive positions and is executing actions on contact. The platoon (1) returned fire and alerted all subordinate TCs, (2) executed a platoon battle drill, and (3) informed the company commander with a contact report. The platoon completes actions on contact and develops the situation through fire and movement to fix or destroy the Threat. The platoon sustains losses of no more than one tank as a result of Threat action.

Prerequisites. PL-TA-315, PL-OT-323, PL-OF-331

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated maneuver of up to fourteen M1A1 tanks plus the integration of a stationary Threat armored/mechanized platoon.

Included ITS/MPS's. ITS 1812.4.3, 1812.4.4, 1812.4.5, 1812.4.8, 1812.4.23, 1812.4.24, MPS 10C.1.1, 10C.1.4, 10C.1.5, 10C.1.6, 10C.1.7, 10C.3.1, 10C.3.2, 10C.3.3, 10C.3.4, 10C.3.5, 10C.3.6, 10C.3.7, 10C.3.8, 10C.3.9, 10C.3.10, 10C.3.11, 10C.3.12, 10C.3.13, 10C.3.14, 10C.3.15, 10C.3.16, 10C.3.18, 10C.3.21, 10C.3.23, 10C.3.25, 10C.3.26.

Simulation. No.

Platoon - Offense - 300 Level (PL-OF-333)

CRP 2.00%

Goal. Perform attack by fire.

Requirement. The platoon is operating as part of a company attack or counterattack which has made contact with a Threat force no larger than a platoon and completed actions on contact or stopped the enemy advance. Based on METT-TSL, a platoon assault of the Threat is not desired, and the company commander orders the platoon to attack by fire only, with or without other platoons or companies conducting an assault. The platoon may be the element that made initial contact with the Threat and is already set in an overwatch position or may be a follow-on platoon ordered forward to support the attack by fire mission. The attack by fire may be conducted during a company directed obstacle breach where the platoon has been designated as the support force.

Prerequisites. PL-TA-315, PL-OT-323

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated maneuver of up to fourteen M1A1 tanks plus the integration of a stationary Threat armored/mechanized platoon.

Included ITS/MPS's. MPS 10C.3.20

Simulation. No.

Platoon - Offense - 300 Level (PL-OF-334) CRP 4.00%

Goal. Assault an enemy position.

ENCLOSURE (1)

Requirement. The platoon is operating as part of a company attack or counterattack which has made contact with a Threat platoon in hasty defensive positions and has completed actions on contact. The company commander orders the platoon to assault the Threat position as part of a company hasty or deliberate attack. A base of fire element is positioned to support the assault. The platoon may have made initial contact with the Threat and already be in it's last covered and concealed position, or it may be a follow-on platoon ordered forward to assault the position. The platoon must move into a line formation and sweep the enemy position with fire as it moves rapidly and violently across the intervening ground to physically move onto the enemy position. The enemy must either be destroyed or forced to withdraw from the position. The platoon should lose no more than one tank to enemy fire. The assault may be conducted in concert with a company obstacle breach where the platoon has been designated as the assault force.

Prerequisites. PL-TA-315, PL-OT-323, PL-OF-331, PL-OF-332

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated maneuver of up to fourteen M1A1 tanks plus the integration of a stationary Threat armored/mechanized platoon.

Included ITS/MPS's. ITS 1812.4.8, MPS 10C.1.4, 10C.3.21, 10C.6.1, 10C.6.2

Simulation. No.

Platoon - Defense - 300 Level (PL-DF-340)

CRP 2.00%

Goal. Occupy a battle position.

Requirement. The platoon is operating as part of a company defensive operation and has been given an operation order to move to and occupy a battle position. The terrain can vary from rolling hills to parched, flat desert, but must have definable avenues of approach and permit a concentration of fires; soil must be trafficable. Engineer assets are available. Sufficient time is available to conduct a deliberate occupation. The commander specifies the time and location for coordination between platoons. Threat contact is not likely prior to the NLT time specified in the operation order. The platoon must move to its assigned battle position, complete the deliberate occupation, and report "established" at or before the "defend NLT" time given in the operation order. The platoon must coordinate with adjacent platoons, resolving conflicts and affecting changes to the platoon's plan resulting from these conflicts. Changes, if any to the platoon's plan must be disseminated.

Prerequisites. PL-TA-315, PL-OT-324

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated maneuver of up to four M1A1 tanks and Engineers with digging equipment.

Included ITS/MPS's. ITS 1802.1.1, 1802.2.6, 1812.4.23, 1812.4.25, 1812.7.3, 1812.7.4, MPS 10C.1.6, 10C.1.7, 10C.2.1, 10C.2.2, 10C.3.22 10C.4.3, 10C.4.4

Simulation. No.

Platoon - Defense - 300 Level (PL-DF-341)

CRP 1.00%

Goal. Displace to a subsequent battle position.

ENCLOSURE (1)

Requirement. The platoon has occupied a battle position as part of a company defense, and the operation order identifies a subsequent battle position for the platoon to displace to. The platoon may or may not have reconnoitered or prepared the subsequent battle position. A Threat force has advanced to the company's "break point" or the company commander orders the platoon to displace. There may or may not be wounded personnel and disabled equipment that must be taken care of. The platoon's move may or may not be overwatched by another unit. The platoon must execute the displacement, occupy the subsequent battle position, and be prepared to fight or to provide covering fire for the remainder of the company. All wounded personnel must be transported to the subsequent battle position. All disabled equipment must be recovered or destroyed. No losses should be incurred as a result of the displacement.

Prerequisites. PL-TA-315, PL-DF-340

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated maneuver of up to four M1A1 tanks and Engineers with digging equipment.

Included ITS/MPS's. ITS 1802.1.1, MPS 10C.1.7, 10C.3.23

Simulation. No.

Platoon - Defense - 300 Level (PL-DF-342) CRP 4.00%

Goal. Execute a platoon defensive mission.

Requirement. The platoon has completed its occupation of a battle position or has been assigned a sector of fire as part of a company defense. The platoon leader receives a spot report from the company commander, an adjacent platoon, one of the platoon's members, or its OP alerting him to, or personally observes, an advancing Threat tank or mechanized rifle company. The platoon must execute its defensive mission and halt or destroy the Threat force or begin displacement to a subsequent battle position before being overrun or bypassed by the Threat force in its sector of fire. The platoon loses no more than one tank as a result of hostile fire.

Prerequisites. PL-DF-340, PL-DF-341

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated maneuver of up to four M1A1 tanks and Engineers with digging equipment.

Included ITS/MPS's. MPS 10C.3.25

Simulation. No.

Platoon - Defense - 300 Level (PL-DF-343) CRP 1.00%

Goal. React to a dismounted attack.

Requirement. The platoon is operating as part of a company and is occupying an assembly area, conducting resupply, or defending a battle position where local security has been established. Threat contact is "not likely" or "possible" when the platoon is attacked by a dismounted Threat force of platoon size. The platoon must disengage from, repulse, or destroy the Threat and be prepared to continue the unit's mission. The platoon should lose no more than one tank or tank crew as a result of the attack.

Prerequisites. PL-DF-340, PL-DF-341, PL-DF-342

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated maneuver of up to four M1A1 tanks and a platoon sized dismounted enemy force.

Included ITS/MPS's. ITS 1812.4.3, 1812.4.4, 1812.4.5, 1812.4.8, 1812.4.23, 1812.4.24, 1812.7.3, MPS 10C.1.1, 10C.1.4, 10C.1.5, 10C.1.6, 10C.1.7, 10C.2.1, 10C.2.2, 10C.3.1, 10C.3.2, 10C.3.3, 10C.3.4, 10C.3.5, 10C.3.6, 10C.3.7, 10C.3.8, 10C.3.9, 10C.3.10, 10C.3.11, 10C.3.12, 10C.3.13, 10C.3.14, 10C.3.15, 10C.3.16, 10C.3.18, 10C.3.21, 10C.3.23, 10C.3.25, 10C.3.26, 10C.4.2, 10C.4.3, 10C.4.4, 10C.5.1, 10C.6.1, 10C.6.3.

Simulation. No.

Platoon - Gunnery - 300 Level (PL-GN-350) CRP 3.00%

Goal. Pass Tank Gunnery Table XI.

ENCLOSURE (1)

Requirement. Given an M1A1 tank platoon and appropriate TM's, complete Tank Gunnery Table XI per the standards set forth in the current edition of FM 17-12-1-2.

Prerequisites. Each crew must pass CR-GN-227

External Syllabus Support. A firing range large enough to accomodate four moving M1A1 tanks and full scale targets at ranges up to 1200m. The range must be capable of handling up to .50 caliber machineguns. Four M179 Telfare Devices.

Included ITS/MPS's. ITS 1802.2.1, 1802.2.9, 1802.2.10, 1802.2.11, 1812.4.18, 1812.5.8, MPS 10C.1.1, 10C.3.16, 10C.4.1, 10C.7.1, 10C.7.2, 10C.7.3, 10C.7.4

Simulation. No.

Platoon - Gunnery - 300 Level (PL-GN-351)

CRP 7.00%

Goal. Pass Tank Gunnery Table XII.

Requirement. Given an M1A1 tank platoon and appropriate TM's, complete Tank Gunnery Table XII per the standards set forth in the current edition of FM 17-12-1-2.

Prerequisites. PL-GN-350.

External Syllabus Support. A firing range large enough to accomodate four moving M1A1 tanks and full scale targets at ranges up to 2400m. The range must be capable of handling up to 120mm main gun ammunition. A maneuver area at least 5 square kilometers adjacent to the range is necessary for full completion of the maneuver tasks accociated with this Table.

Included ITS/MPS's. ITS 1802.1.1, 1802.1.2, 1802.2.1, 1802.2.2, 1802.2.5, 1802.2.6, 1802.2.7, 1802.2.8, 1802.2.10, 1802.2.11, 1802.2.12, 1812.2.4, 1812.2.5, MPS 10C.3.1, 10C.3.12, 10C.3.22, 10C.3.21, 10C.3.24, 10C.3.25

Simulation. No.

SECTION 1C
TANK COMPANY

Company - Other Tactical Ops - 400 Level (CO-OT-420) CRP 1.00%

Goal. Perform tactical road march.

Requirement. The company receives an operation/warning/fragmentary order, complete with graphics, to conduct a tactical road march as part of a battalion operation. The company must conduct the road march, following the prescribed route, without deviation within the time requirements specified in the order. The main body is not surprised by any ground force. All vehicles that breakdown are repaired, recovered, or reported to the battalion. Losses at the conclusion of the road march do not exceed 10%.

Prerequisites. PL-OT-324

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated movement of at least fourteen M1A1 tanks plus the integration of up to 4 AAVs with embarked infantry.

Included ITS/MPS's. ITS 1802.1.1, 1802.2.12, 1802.2.24, 1802.2.26, MPS 10B.1.1, 10B.3.1, 10B.3.3, 10B.7.1

Simulation. No.

Company - Other Tactical Ops - 400 Level (CO-OT-421) CRP 1.00%

Goal. Occupy assembly area.

Requirement. The company has been given the order to move and occupy an assembly area in preparation for combat operations. The enemy has the capability to attack with indirect fire, CAS, and small platoon-size ground elements. The company quartering party must complete area preparations and guide the company main body into position NLT the time specified in the order. The company main body must not be surprised by the enemy. The company completes preparation as specified in the order NLT the time specified.

Prerequisites. PL-OT-325

ENCLOSURE (1)

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated movement of at least fourteen M1A1 tanks plus the integration of up to 4 AAVs with embarked infantry.

Included ITS/MPS's. ITS 1802.1.1, 1802.2.12, 1802.2.24, 1802.2.26, MPS 10B.1.1, 10B.3.1, 10B.3.3, 10B.3.4, 10B.7.1, 10B.7.2, 10B.7.3

Simulation. No.

Company - Other Tactical Ops - 400 Level (CO-OT-422) CRP 0.75%

Goal. Assist a passage of lines.

Requirement. The company is defending and is required to assist a passage of lines. The enemy can attack with direct fire, CAS, artillery, or company-sized mounted or dismounted forces. The company must support the passing unit in completing the passage of lines within the time specified in the order. The company provides security to ensure neither unit is surprised by the enemy. The passing unit must sustain no casualties as a result of friendly fire.

Prerequisites. PL-OT-326, PL-OT-327, CO-OT-421

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated movement of up to fourteen M1A1 tanks plus the integration of up to 4 AAVs with embarked infantry, and a stationary, tank company sized force.

Included ITS/MPS's. ITS 1802.1.1, 1802.1.2, 1802.1.3, 1802.2.14, MPS 10B.3.6, 10B.3.18

Simulation. No.

Company - Other Tactical Ops - 400 Level (CO-OT-423) CRP 1.00%

Goal. Perform passage of lines.

Requirement. The company is required to perform a passage of lines. The battalion operation order has specified a time when the passage is to be completed. The company must move all personnel and equipment through the stationary unit NLT the time specified in the order. Neither the passing unit nor the stationary unit are surprised by the enemy, nor do they sustain casualties as a result of friendly fire/obstacles. Losses do not exceed 20% on a forward passage or 10% on a rearward passage.

Prerequisites. Forward passage: PL-OT-327, CO-OT-420, Rearward passage: PL-OT-327, CO-OT-420, CO-OF-438

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated movement of up to fourteen M1A1 tanks plus the integration of up to 4 AAVs with embarked infantry, and a stationary, tank company sized force.

Included ITS/MPS's. ITS 1802.1.1, 1802.1.2, 1802.1.3, 1802.2.13, 1802.2.14, MPS 10B.1.1, 10B.3.2, 10B.3.5, 10B.3.8

Simulation. No.

Company - Other Tactical Ops - 400 Level (CO-OT-424) CRP 0.75%

Goal. Perform relief in place.

Requirement. The company has been ordered to relieve another unit in place or is relieved by another unit. The enemy can attack with up to a company-sized element supported by indirect fire and CAS. The relief must be conducted without enemy detection or loss of personnel or equipment. The company completes the relief NLT the time specified in the order. The company must sustain no casualties as a result of friendly fire. If the enemy attacks, the company must repel the attack with no more than 10% casualties.

Prerequisites. PL-OT-328, CO-OT-420, CO-OT-421

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated movement of up to fourteen M1A1 tanks plus the

ENCLOSURE (1)

integration of up to 4 AAVs with embarked infantry, and a stationary, tank company sized force.

Included ITS/MPS's. ITS 1802.1.1, 1802.1.2, 1802.2.13, 1802.2.22, 1802.2.28, MPS 10B.1.1, 10B.2.1, 10B.3.2, 10B.3.8, 10B.3.10, 10B.3.13, 10B.3.25, 10B.4.1, 10B.4.2

Simulation. No.

Company - Other Tactical Ops - 400 Level (CO-OT-425) CRP 1.00%

Goal. Perform hasty river/gap crossing.

Requirement. The company receives a battalion operation/fragmentary order directing a water crossing. The crossing site is designated by battalion headquarters. The company is not in contact. Initial reconnaissance reports indicate that the crossing area is occasionally patrolled by enemy squad-sized elements and can be breached with available assets. An AVLB is available. Preplanning is conducted so that fire support and crossing means are available upon arrival at the crossing site. All company elements must cross within the time specified in the order. Unit security must be maintained by organic support elements. The company losses during the operation do not exceed 20%. Momentum is maintained. The AVLB is recovered and secured before the enemy can destroy it.

Prerequisites. PL-OT-324, CO-OT-420

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated movement of up to fourteen M1A1 tanks plus the integration of up to 4 AAVs with embarked infantry, and an actual or simulated gap to be crossed.

Included ITS/MPS's. ITS 1802.1.1, 1812.8.2, 1812.8.3, 1812.8.4, 1812.8.5, 1812.8.6, 1812.8.7, 1812.8.8, 1812.8.12, MPS 10B.3.2, 10B.3.4, 10B.3.15

Simulation. No.

Company - Other Tactical Ops - 400 Level (CO-OT-426) CRP 2.00%

Goal. Perform reserve operations.

Requirement. The company is a higher headquarters reserve. In offensive operations, it is trailing forward companies with a priority of commitment in two company zones. In defensive operations, it is given an assembly area or route(s) and the task of preparing to perform three of the following missions; counterattack, reinforce, counterattack by fire, perform rear area security. Priorities are given for planning. The company has four hours to plan. All specified and implied planning, preparation, and coordination must be completed for all assigned tasks by the time specified in the order. For offensive reserve missions the company must initiate movement (lead platoon reports SP) within 5 minutes of receiving the order to execute. For defensive reserve missions the company must be in position to conduct it's task within 15 minutes (plus road march time) after receiving the order to execute.

Prerequisites. PL-TA-315

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated movement of up to fourteen M1A1 tanks plus the integration of up to 4 AAVs with embarked infantry.

Included ITS/MPS's. ITS 1802.1.1, 1802.2.7, 1802.2.15, 1802.2.26, MPS 10B.1.1, 10B.3.1, 10B.3.2, 10B.3.9, 10B.3.13, 10B.3.26

Simulation. No.

Company - Other Tactical Ops - 400 Level (CO-OT-427) CRP 1.00%

Goal. Withdraw under enemy pressure.

Requirement. The enemy is engaging the company with direct fire. The battalion orders the company to withdraw, or the enemy forces the company from its position. Another element may be covering the withdrawl. The enemy is battalion(-) size. The company must move all personnel and equipment to the designated location NLT the time specified. The company sustains no more than 30% casualties. All supplies that cannot be evacuated must be destroyed. The company must break contact and not be over run or bypassed.

ENCLOSURE (1)

Prerequisites. PL-TA-315, PL-OF-332 PL-DF-340,
PL-DF-341, CO-OT-421, CO-OF-432

External Syllabus Support. A maneuver area large
enough to permit the simultaneous, coordinated
movement of up to fourteen M1A1 tanks plus the
integration of up to 4 AAVs with embarked infantry.

Included ITS/MPS's. ITS 1802.1.1, 1802.2.8,
1802.2.25, MPS 10B.3.2, 10B.3.23, 10B.3.24, 10B.4.2

Simulation. No.

Company - Other Tactical Ops - 400 Level (CO-OT-428) CRP 0.50%

Goal. Breakout from encirclement.

Requirement. The company is cut off from friendly
units and encircled. Other friendly elements with the
company (platoon and smaller), both attached and
supporting, are encircled. The enemy is probing the
company defense and has the capability to attack with
CAS, artillery, and direct fire weapons. The company
is providing its own security. The company must move
at least 75% of its strength, leaders, and primary
weapons systems out from the encircling force. The
breakout starts NLT the time specified and receives no
casualties due to friendly fire.

Prerequisites. PL-OF-332, PL-OF-333, PL-OF-334,
PL-DF-340, PL-DF-342, CO-OF-431, CO-OF-432, CO-DF-443

Included ITS/MPS's. ITS 1802.1.1, 1802.2.23,
MPS 10B.1.1, 10B.2.1, 10B.3.2, 10B.3.20, 10B.4.1,
10B.4.2

Simulation. No.

Company - Offense - 400 Level (CO-OF-430) CRP 3.00%

Goal. Conduct a movement to contact.

Requirement. The company is conducting offensive operations as the battalion's advance guard. Enemy reconnaissance elements are trying to locate the battalion's main body. Both the company and the enemy have indirect fire available. The company must destroy or repel all enemy reconnaissance elements or patrols of platoon size or smaller. The company must locate and maintain contact with the enemy forward security element. The company must sustain no more than 10% casualties.

Prerequisites. CO-OT-420, CO-OF-431, CO-OF-432, CO-OF-433, CO-OF-434

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated maneuver of fourteen M1A1 tanks and four AAVP7s plus an armor/mechanized company acting as the forward security element of a motorized rifle battalion.

Included ITS/MPS's. ITS 1802.1.1, 1802.1.2, 1802.2.1, 1802.2.2, 1802.2.5, 1802.2.8, 1802.2.10, 1802.2.13, 1802.2.14, 1802.2.17, 1802.2.19, 1802.2.20, 1802.2.21, MPS 10B.1.1, 10B.3.2, 10B.3.7, 10B.3.8, 10B.3.9, 10B.3.11, 10B.3.12, 10B.3.13

Simulation. No.

Company - Offense - 400 Level (CO-OF-431) CRP 3.00%_

Goal. Perform actions on contact.

Requirement. The company is operating as part of a battalion movement to contact and has been assigned as the security force (advance guard). The enemy can engage the company with indirect fire, air support, or company-sized or smaller ground forces. The company must identify the enemy unit or position before the enemy fires on the battalion main body and destroy, capture, or force to withdraw platoon-sized or smaller units or fix enemy forces larger than platoon size. Initial contact should be made by a platoon or less. The company must accurately and quickly report the situation to battalion. The company should sustain no more than 20% casualties.

Prerequisites. PL-OF-330, PL-OF-331, PL-OF-333, PL-OF-334, CO-OT-420

ENCLOSURE (1)

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated maneuver of at least fourteen M1A1 tanks plus the integration of a stationary Threat armored/mechanized platoon or company.

Included ITS/MPS's. ITS 1802.1.1, 1802.1.2, 1802.2.1, 1802.2.2, 1802.2.13, MPS 10B.1.1, 10B.3.8, 10B.4.1

Simulation. No.

Company - Offense - 400 Level (CO-OF-432) CRP 2.00%

Goal. Support by fire.

Requirement. The company is operating as part of a battalion and has been tasked to support by fire. The assault element is either in, or is expected to make contact and can request suppressive fire on the enemy. The company must suppress the enemy so that it is unable to maneuver. The assault element is able to conduct its assigned mission. The company causes no casualties to the supported unit. The company receives no more than 10% casualties.

Prerequisites. PL-OF-330, PL-OF-331, PL-OF-332, CO-OT-420

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated maneuver of at least fourteen M1A1 tanks plus the integration of a stationary Threat armored/mechanized platoon or company.

Included ITS/MPS's. ITS 1802.1.1, 1802.1.2, MPS 10B.3.2, 10B.3.9

Simulation. No.

Company - Offense - 400 Level (CO-OF-433) CRP 1.00%

Goal. Attack by fire.

Requirement. The company is operating as part of a battalion and is given a general position and ordered to attack an enemy position or moving enemy element. The company is given a sector of fire or other fire control measures. The company commander orders the company to attack the enemy by fire. The enemy is in hasty defensive positions or is moving. The company must detect and destroy 75% of the enemy element. Friendly casualties must not exceed 20%.

Prerequisites. PL-OF-330, PL-OF-331, PL-OF-332, CO-OT-420

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated maneuver of at least fourteen M1A1 tanks plus the integration of a stationary Threat armored/mechanized platoon or company.

Included ITS/MPS's. ITS 1802.1.1, 1802.1.2, 1802.2.21, 1802.2.24, MPS 10B.3.2, 10B.3.13, 10B.4.1

Simulation. No.

Company - Offense - 400 Level (CO-OF-434) CRP 4.00%

Goal. Assault an enemy position (mounted).

Requirement. The company is operating as part of the battalion and is ordered to assault an enemy position. Another company is supporting by fire, providing suppressive fires on the objective. The assaulting company may be task organized with a platoon of infantry mounted in assault amphibian vehicles. The enemy unit is occupying a battle position. The company is located in the attack position. Antitank fires are light and the enemy force is weak and can be suppressed. The company must assault the enemy position, resulting in the destruction, capture, or withdrawal of 100% of the enemy on the objective. The company must sustain no casualties as a result of friendly fire, and no more than 50% as a result of enemy fire.

Prerequisites. PL-OF-331, PL-OF-332, PL-OF-333, PL-OF-334, CO-OF-430, CO-OF-431

ENCLOSURE (1)

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated maneuver of at least fourteen M1A1 tanks plus the integration of up to 4 AAVs with embarked infantry, and a stationary Threat armored/mechanized platoon.

Included ITS/MPS's. ITS 1802.1.1, 1802.2.13, 1802.2.18, MPS 10B.3.2, 10B.3.8, 10B.3.12, 10B.4.1

Simulation. No.

Company - Offense - 400 Level (CO-OF-435) CRP 4.00%

Goal. Assault an enemy position (dismounted).

Requirement. The company is operating as part of the battalion and is ordered to assault an enemy position. Another company is supporting by fire, providing suppressive fires on the objective. The assaulting company is task organized with a platoon of infantry mounted in assault amphibian vehicles. The enemy unit is occupying a battle position. The company is located in the attack position. Antitank fires are moderate to heavy and the enemy force is platoon to platoon reinforced in size. The company must assault the enemy position, resulting in the destruction, capture, or withdrawal of 100% of the enemy on the objective. The company must sustain no casualties as a result of friendly fire, and no more than 50% as a result of enemy fire.

Prerequisites. PL-OF-330, PL-OF-331, PL-OF-332, PL-OF-333, PL-OF-334, CO-OF-430, CO-OF-431, CO-OF-432

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated maneuver of at least fourteen M1A1 tanks plus the integration of up to 4 AAVs with embarked/disembarked infantry, and a stationary Threat armored/mechanized platoon.

Included ITS/MPS's. ITS 1802.1.1, 1802.2.13, 1802.2.18, MPS 10B.3.2, 10B.3.8, 10B.3.11, 10B.4.1

Simulation. No.

Company - Offense - 400 Level (CO-OF-436) CRP 3.00%__

Goal. Breech an obstacle.

Requirement. The company is conducting a movement to contact and encounters a double-strand wire obstacle with a hasty antitank minefield. The minefield is 100m deep with mines 4m-6m apart in the strips. No antipersonnel mines are detected. If the mines are buried, evidence is clearly visible showing where the strips are located. Enemy direct-fire antitank and antipersonnel weapons are 1,500m away. Enemy indirect-fire is expected no earlier than two to three minutes from contact with the obstacle. The obstacle can not be bypassed. The company has no engineer assets available and is not part of a detailed battalion/task force breaching operation. Both enemy and friendly forces have indirect-fire available. The company must breach the obstacle and clear a lane 20 feet wide within 30 minutes. The lane(s) must be clearly marked with visual and thermal markers. The company must be through the breach within 45 minutes from the beginning of the breaching operation. The company must lose less than 50% of it's combat vehicles and infantry (if attached).

Prerequisites. PL-OF-331, PL-OF-332, PL-OF-333, PL-OF-334, CO-OF-430, CO-OF-431, CO-OF-432

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated maneuver of at least fourteen M1A1 tanks plus the integration of up to 4 AAVs with embarked/disembarked infantry, and a stationary Threat armored/mechanized platoon.

Included ITS/MPS's. ITS 1802.1.1, 1802.1.2, 1802.2.13, 1802.2.19, 1802.2.21, MPS 10B.3.2, 10B.3.8, 10B.4.1, 10B.5.1

Simulation. No.

Company - Defense - 400 Level (CO-DF-440)

CRP 2.00%

Goal. Perform screen operations.

ENCLOSURE (1)

Requirement. A screen line has been formed in front of a defending force and the company is part of the forward screen. The company has permission from the battalion commander to place OPs forward of the screen line. Enemy forward security elements are moving and attempting to gain intelligence about the friendly unit and impede its operation. Both the company and the enemy have indirect fire available. The company must maintain continuous surveillance of all high speed avenues of approach into the battalions sector. The company must destroy or repel all enemy reconnaissance elements or patrols of platoon size or smaller. The company must locate and maintain contact with the enemy forward security element. The company must sustain no more than 10% casualties.

Prerequisites. PL-OF-333, PL-DF-340, PL-DF-341, PL-DF-342, PL-DF-343

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated maneuver of at least fourteen M1A1 tanks plus the integration of up to 4 AAVs with embarked/disembarked infantry, and a mobile Threat armored/mechanized company acting as the reconnaissance element and the forward security element of a Motorized Rifle Battalion.

Included ITS/MPS's. ITS 1802.1.1, 1802.1.2, 1802.1.3, 1802.2.10, 1802.2.24, 1802.2.26, 1802.2.28, MPS 10B.1.1, 10B.3.1, 10B.3.2, 10B.3.3, 10B.3.8, 10B.3.13, 10B.3.14, 10B.3.16, 10B.4.2

Simulation. No.

Company - Defense - 400 Level (CO-DF-441)

CRP 2.00%

Goal. Perform guard operations.

Requirement. The company is conducting a guard operation for a stationary battalion. It is deployed forward of a designated phase line. A reconnaissance of the area between the battalion's main body and the company has been conducted. The company is in place. Enemy reconnaissance elements are trying to locate the battalion's main body. Both the enemy and the company have artillery support available. The company must protect the battalion main body from surprise and direct fire from the enemy. The company should cause premature deployment of the enemy into attack formation and attrit attacking enemy forces. The company must not withdraw to a subsequent battle position without permission of the battalion commander. The company must inflict 75% casualties on the enemy if directed to fight.

Prerequisites. PL-OF-333, PL-DF-340, PL-DF-341, PL-DF-342, PL-DF-343, CO-OF-432

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated maneuver of at least fourteen M1A1 tanks plus the integration of up to 4 AAVs with embarked/disembarked infantry, and a mobile Threat armored/mechanized company acting as the reconnaissance element and the forward security element of a Motorized Rifle Battalion.

Included ITS/MPS's. ITS 1802.1.1, 1802.1.2, 1802.1.3, 1802.2.13, 1802.2.14, 1802.2.16, 1802.2.25, 1802.2.28, MPS 10B.3.1, 10B.3.2, 10B.3.4, 10B.3.8, 10B.3.13, 10B.3.14, 10B.3.17, 10B.3.23, 10B.3.24, 10B.4.2

Simulation. No.

Company - Defense - 400 Level (CO-DF-442) CRP 3.00%

Goal. Delay.

ENCLOSURE (1)

Requirement. The company is operating as part of a battalion and has been directed to delay the enemy for a specified amount of time. The enemy can attack using air, artillery, and ground assault (mounted or dismounted). The company must delay the enemy in the designated area for the time period specified. The company must maintain contact with the enemy and not become decisively engaged. The company must not receive more than 30% casualties.

Prerequisites. PL-OF-332, PL-OF-333, PL-DF-341, PL-DF-342, PL-DF-343, CO-OT-421

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated maneuver of at least fourteen M1A1 tanks plus the integration of up to 4 AAVs with embarked/dismounted infantry, and a mobile Threat armored/mechanized company acting as the reconnaissance element and the forward security element of a Motorized Rifle Battalion.

Included ITS/MPS's. 1802.2.13, 1802.2.14, 1802.2.17, 1802.2.25, 1802.2.28, MPS 10B.1.1, 10B.3.2, 10B.3.4, 10B.3.5, 10B.3.8, 10B.3.13, 10B.3.14, 10B.3.22, 10B.3.23, 10B.3.24, 10B.4.2

Simulation. No.

Company - Defense - 400 Level (CO-DF-443) 3.00%

Goal. Defend.

Requirement. The company is operating as part of a battalion and has been ordered to defend. The company must complete all preparations directed by the battalion commander not later than the time specified in the order. The company main body must not be surprised by the enemy. The company must decisively engage the enemy. The company must destroy or block the enemy for the specified time and should canalize the enemy into the designated area. The company must prevent penetration of specified boundary or terrain. The company must sustain no more than 30% casualties and inflict no less than 50% casualties on the enemy.

Prerequisites. PL-OF-333, PL-DF-341, PL-DF-342, PL-DF-343, CO-OT-421, CO-OF-432, CO-OF-433

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated maneuver of at least fourteen M1A1 tanks plus the integration of up to 4 AAVs with embarked/disembarked infantry, and a mobile Threat armored/mechanized company acting as the reconnaissance element and the forward security element of a Motorized Rifle Battalion.

Included ITS/MPS's. ITS 1802.1.1, 1802.1.2, 1802.1.3, 1802.2.13, 1802.2.15, 1802.2.16, 1802.2.23, 1802.2.25, 1802.2.28, MPS 10B.1.1, 10B.2.1, 10B.3.1, 10B.3.2, 10B.3.4, 10B.3.8, 10B.3.13, 10B.3.14, 10B.3.18, 10B.3.23, 10B.3.24, 10B.4.2

Simulation. No.

Company - Gunnery - 400 Level (CO-GN-450) CRP 10.00%

Goal. Conduct a company mobile assault course.

Requirement. The company is conducting offensive operations and becomes engaged by an MRP(+) in hasty defensive positions. The enemy has ATGMs, artillery, and CAS available. The company has artillery, CAS, and CIFS available. The company must destroy or force the withdrawal of 100% of the enemy fighting vehicles and 75% of the enemy infantry while seizing and securing the enemy position.

Prerequisites. CO-OF-430, CO-OF-431, CO-OF-432, CO-OF-433, CO-OF-434, CO-OF-435

External Syllabus Support. A live fire range large enough to permit the simultaneous, coordinated fire and maneuver of at least fourteen M1A1 tanks plus the integration of up to 4 AAVs with embarked/disembarked infantry, and a stationary Threat armored/mechanized platoon target array.

Included ITS/MPS's. ITS 1802.1.1, 1802.1.2, 1802.2.1, 1802.2.5, 1802.2.10, 1802.2.13, 1802.2.19, 1802.2.21, MPS 10B.1.1, 10B.3.1, 10B.3.2, 10B.3.7, 10B.3.8, 10B.3.9, 10B.3.10, 10B.3.11, 10B.3.12, 10B.4.1, 10B.6.1, 10B.6.2

Simulation. No.

ENCLOSURE (1)

Company - Amphibious Ops - 400 Level (CO-AM-460)

CRP 1.00%

Goal. Conduct amphibious operations.

Requirement. The company is attached to an infantry battalion of the Ground Combat Element (GCE) of a Marine Air Ground Task Force (MAGTF) that has been alerted to a political situation that requires an amphibious operation. The initiating directive has been received. A Carrier Battle Group (CVBG) is supporting the operation. Threat forces have direct and indirect fire weapons, rotary and fixed-wing aircraft, and Electronic Warfare (EW) capability. It is anticipated that operations ashore will be of limited duration. The initial planning conference has been completed and the Commander, Landing Force (CLF) has issued the MAGTF planning directive. The battalion has received the GCE/MAGTF concept of operations and has developed a plan of attack which has been approved. Sufficient landing craft are available. CATF has issued the order to land the landing force. Assault amphibious vehicle, landing craft, and helicopter operational readiness rates are equal to the numbers anticipated in the final version of the MAGTF landing plan developed after the final rehearsal. During the planning phase, the company commander must analyze the GCE/battalion mission and coordinate tank employment. The company commander must ensure that the landing plan supports accomplishment of his mission. The landing plan must provide for delivery of the company, in the desired formation, with the necessary equipment, over the selected beaches, at the time prescribed by the battalion commander. Flexibility must be maintained through selective scheduling and subsequent cross decking (if required), of personnel and equipment so that critical elements are brought ashore as required. During the initial stages of the assault, some degree of decentralized control is necessary. Actions by subordinate leaders must be aggressive and bold. Tactical control measures should be used to allow the company commander and his subordinate leaders to regain control as quickly as possible. The company must adjust indirect fires planned in support of the assault to coincide with movement on the ground. The company must establish a supply point quickly so that materials delivered ashore are available for emergency resupply.

ENCLOSURE (1)

Prerequisites. PL-OF-334, CO-OF-430, CO-OF-433

External Syllabus Support. Amphibious shipping, enough LCACs/LCUs to transport 14 M1A1 tanks from the shipping to the beach and a beach/maneuver area suitable for amphibious landings and the simultaneous maneuver of up to 14 M1A1 tanks.

Included ITS/MPS's. ITS 1802.2.18, 1802.3.1, 1802.3.2, 1802.6.1, 1802.6.2, 1802.6.6, MPS 10B.1.1, 10B.3.2, 10B.3.12, 10B.4.1, 10B.5.1, 10B.7.1, 10B.7.2, 10B.9.1, 10B.9.2, 10B.9.3

Simulation. No.

SECTION 1D
TANK BATTALION

Battalion - Other Tactical Ops - 500 Level (BN-OT-520) CRP 2.00%

Goal. Occupy an assembly area.

Requirement. The battalion is ordered to move to a rear assembly area and prepare for future operations. The situation makes an enemy breakthrough or airborne assault possible but not likely. Enemy air and level II ground attacks are likely. The enemy performs squad and platoon level probes. The battalion is given a general area and allowed to select the exact location of the assembly area. Resupply and maintenance support are available. The battalion must occupy the assembly area at the time specified. During the assembly area operation 95% of fighting, CS, and CSS systems are brought to an operationally ready status. OPSEC must be maintained and enemy actions do not stop the battalion's preparations for more than one hour per day. Within 24 hours the battalion replenishes all basic and combat loads, takes necessary actions to replenish PLLs, and is as prepared for future operations as is directed in the operation order. The battalion must leave the assembly area at the time prescribed in the order.

Prerequisites. CO-OT-420, CO-OT-421

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated roadmarch of at least forty-four M1A1 tanks plus the stationary set up of the battalion logistics trains.

Included ITS/MPS's. ITS 1802.1.1, 1802.1.2, 1802.4.5, 1802.4.6, MPS 10A.1.1, 10A.1.2, 10A.1.3, 10A.1.4, 10A.1.6, 10A.3.1, 10A.3.2, 10A.7.1, 10A.7.2, 10A.7.3, 10A.7.4, 10A.7.5

Simulation. No.

Battalion - Other Tactical Ops - 500 Level (BN-OT-521) CRP 1.00%

Goal. Cover passage of lines.

ENCLOSURE (1)

Requirement. The battalion defends in sector or in a BP behind forward withdrawing elements, or is in contact with enemy elements. A forward covering or withdrawing force passes through the battalion sector, or the battalion is ordered to assist and provide covering fires for a forward attacking battalion's withdrawl. METT-TSL factors do not permit the maneuvering force the freedom to move around the battalion. The battalion must cover the withdrawl of the forward unit and accept the battle handoff IAW the higher headquarters order. The battalion must engage all enemy elements within sight that can place fires on the withdrawing unit during the passage. The enemy must not detect preparation activities for the passage. There can be no friendly casualties as a result of friendly direct nor indirect fires.

Prerequisites. CO-OT-422

External Syllabus Support. A maneuver area large enough to permit at least forty-four M1A1 tanks to set into defensive positions and the integration of a mechanized company(+)/battalion(-) to conduct the passage, plus a company sized mechanized/armored enemy force.

Included ITS/MPS's. ITS 1802.2.14, 1802.4.2, MPS 10A.1.1, 10A.1.2, 10A.1.3, 10A.1.4, 10A.1.6, 10A.3.8, 10A.3.10, 10A.4.1, 10A.4.2

Simulation. No.

Battalion - Other Tactical Ops - 500 Level (BN-OT-522) CRP 2.00%

Goal. Perform passage of lines.

Requirement. While performing tactical operations, the battalion is required to perform a passage of lines. The enemy is defending with an MRC(+) for a forward passage or is attacking with an MRB(+) for a rearward passage. The battalion must execute the passage IAW the higher headquarters order and not disrupt the stationary unit's mission. The battalion main body must not be surprised by the enemy. The battalion must not suffer more than 20% casualties during a rearward passage and 10% during a forward passage. The battalion must not suffer any casualties as a result of friendly fire. After the passage is complete, the battalion must be able to perform its mission for a forward passage. After the passage is complete, the stationary unit must be able to perform its defensive mission during a rearward passage.

Prerequisites. CO-OT-423

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated maneuver of at least forty-four M1A1 tanks plus a stationary mechanized company(+)/battalion(-), and the integration of a company sized mechanized/armored enemy force.

Included ITS/MPS's. ITS 1802.2.8, 1802.2.14, MPS 10A.1.1, 10A.1.2, 10A.1.3, 10A.1.4, 10A.1.5, 10A.3.3, 10A.4.1, 10A.4.2

Simulation. No.

Battalion - Other Tactical Ops - 500 Level (BN-OT-523) CRP 2.00%

Goal. Perform linkup.

ENCLOSURE (1)

Requirement. The battalion is given an offensive operation order that requires a linkup with another battalion. The headquarters directing the linkup establishes boundaries, RFLs, zones of attack or axis of advance, general linkup point, chain of command upon linkup, and other control/coordination measures. The enemy is an MRC in a defensive position. The battalion must perform the linkup at the time and place specified in the higher headquarters order. There must be no losses due to friendly fire. The chain of command must be established during the linkup. The battalion main body must not be surprised by the enemy.

Prerequisites. CO-OT-420, CO-OT-424

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated maneuver of at least forty-four M1A1 tanks plus a stationary mechanized company(+)/battalion(-), and the integration of a stationary company sized mechanized/armored enemy force.

Included ITS/MPS's. ITS 1802.1.1, 1802.2.24, 1802.2.26, 1802.4.1, 1802.4.5, 1802.4.6, MPS 10A.1.1, 10A.1.2, 10A.1.3, 10A.1.4, 10A.1.5, 10A.3.1, 10A.3.2, 10A.3.4, 10A.3.15

Simulation. No.

Battalion - Other Tactical Ops - 500 Level (BN-OT-524) CRP 2.00%

Goal. Perform relief in place.

Requirement. The battalion is directed to perform a relief in place for another battalion. It is to occupy the same sector. The relief is to be completed at night before daybreak. A directed time of passage of command is specified. The enemy is in MRC strength in hasty defensive positions or is an MRB(+) if attacking. The relief must be complete IAW the higher headquarters order. The relieving force is prepared to defend and the relieved force is out of the sector at the specified time. The battalion must not be surprised by the enemy. The battalion must not suffer more than 10% casualties. There are no casualties as a result of friendly fire.

Prerequisites. CO-OT-424

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated maneuver of at least forty-four M1A1 tanks plus a stationary mechanized company(+)/battalion(-), and the integration of a stationary company sized mechanized/armored enemy force.

Included ITS/MPS's. ITS 1802.1.1, 1802.1.3, 1802.2.22, 1802.4.2, 1802.4.3, 1802.4.5, 1802.4.6, MPS 10A.1.1, 10A.1.2, 10A.1.3, 10A.1.4, 10A.1.5, 10A.1.6, 10A.2.1, 10A.2.2, 10A.3.1, 10A.3.4, 10A.3.14, 10A.4.1, 10A.4.2

Simulation. No.

Battalion - Other Tactical Ops - 500 Level (BN-OT-525) CRP 2.00%

Goal. Perform hasty river/gap crossing.

Requirement. The battllion is conducting offensive operations and must cross a river/gap. The river/gap is bridgeable by an AVLB and the battalion has AVLBs available. The enemy consists of a security force of MRP(+) size. A bridge may be left guarded but intact and prepered for destruction. All combat, CS, command group, and combat train elements of the battalion must cross the river/gap within the time specified in the higher headquarters operation order. The battalion must not lose more than 20% of it's vehicles/infantry during the crossing. The bridge must be secured before the enemy can destroy it.

Prerequisites. CO-OT-420, CO-OT-425

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated maneuver of at least forty-four M1A1 tanks and the integration of a stationary enemy platoon sized force. A river/gap to be crossed.

Included ITS/MPS's. ITS 1802.1.1, 1802.4.1, 1802.4.7, 1812.8.2, 1812.8.3, 1812.8.4, 1812.8.5, 1812.8.6, 1812.8.7, 1812.8.8, 1812.8.12, 1812.8.17, MPS 10A.1.1, 10A.1.2, 10A.1.3, 10A.1.4, 10A.1.5, 10A.3.4, 10A.3.5, 10A.3.8, 10A.4.1, 10A.4.2

ENCLOSURE (1)

Simulation. No.

Battalion - Other Tactical Ops - 500 Level (BN-OT-526) CRP 3.00%

Goal. Perform reserve operations.

Requirement. The battalion is a higher headquarters reserve. In offensive operations, it is trailing the forward battalions with a priority of commitment to two or more battalion zones. In defensive operations, it is given an assembly area and or route(s) and the task of preparing to perform three or more of the following missions: counterattack, reinforce, counterattack by fire, or perform rear area security. Priorities are given for planning. The battalion has 48 hours to plan. All specified and implied planning, preparation and coordination are completed for all assigned tasks by the time specified in the order. The battalion must initiate movement (lead company reports SP) within 15 minutes of receiving the fragmentary order to execute an offensive reserve mission. The battalion must be in position and prepared to conduct its reserve mission within 30 minutes (plus road march time) after receiving the fragmentary order to execute a defensive reserve mission.

Prerequisites. CO-OT-420, CO-OT-426, CO-OF-430, CO-OF-434, BN-OF-541, BN-OF-543

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated maneuver of at least forty-four M1A1 tanks plus a stationary/moving mechanized company(+)/battalion(-), and the integration of a stationary company sized mechanized/armored enemy force.

Included ITS/MPS's. ITS 1802.1.1, 1802.1.3, 1802.4.1, 1802.4.2, 1802.4.6, MPS 10A.1.1, 10A.1.2, 10A.1.3, 10A.1.4, 10A.1.5, 10A.1.6, 10A.3.1, 10A.3.4, 10A.3.7, 10A.3.8, 10A.3.9, 10A.3.16, 10A.4.1, 10A.4.2

Simulation. Yes (TEWT, CAST, TWSEAS) 1.50%

Battalion - Other Tactical Ops - 500 Level (BN-OT-527) CRP 2.00%

Goal. Perform rear operations.

Requirement. The battalion is in a higher headquarters rear area (defense) or trailing forward battalions. It is given an assembly area or route(s) and tasks to be prepared to provide security, to provide a reaction force for units in the area, or to secure the higher headquarters MSR. Where the battalion provides a reaction force, units can hold off the enemy attack until the arrival of the battalion, if the battalion initiates movement within 15 minutes of being alerted. The threats are: (a) Level III Threats are those that require the command decision to commit a force level combined arms tactical combat force to defeat them; (b) Level II Threats are those that are beyond CSSE/headquarters unit self-defense capabilities but can be defeated by response forces, normally MPs with supporting fires; (c) Level I Threats are those that can be defeated by CSSE/headquarters unit self-defense measures. The battalion must prevent the operations of any unit being secured by the battalion from being disrupted. The battalion must defeat any enemy force before units being secured by the battalion are overrun. No friendly convoys can be damaged/destroyed, nor can they be delayed for more than 60 minutes.

Prerequisites. CO-OT-426, CO-OF-430, CO-OF-431

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated maneuver of at least forty-four M1A1 tanks plus a stationary/moving mechanized company(+)/battalion(-), and the integration of a stationary company sized mechanized/armored enemy force.

Included ITS/MPS's. ITS 1802.1.1, 1802.2.15, 1802.2.21, 1802.4.1, 1802.4.2, 1802.4.6, MPS 10A.1.1, 10A.1.2, 10A.1.3, 10A.1.4, 10A.1.5, 10A.1.6, 10A.3.1, 10A.3.4, 10A.3.8, 10A.3.17, 10A.4.1, 10A.4.2

Simulation. No.

Battalion - Other Tactical Ops - 500 Level (BN-OT-528) CRP 1.50%

Goal. Withdraw not under enemy pressure.

ENCLOSURE (1)

Requirement. The battalion is in a defensive position but is not in contact with the enemy. The battalion is ordered to withdraw. Another unit is in position to cover the withdrawal (assisted) or the battalion is ordered to occupy new defensive positions to the rear as a new mission without a covering force (unassisted). The battalion is required to be in position or to have completed a passage of lines as directed in the operation order. The enemy has been conducting offensive operations against the battalion and has now withdrawn, leaving security elements in the area. The battalion must complete the passage of lines or occupy its new positions by the time prescribed in the higher headquarters order. The enemy must not discover the battalion's new position in time to prevent the battalion from moving or completing the passage of lines. The battalion must not sustain more than 5% casualties.

Prerequisites. CO-OT-427, CO-OF-432, CO-OF-433

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated maneuver of at least forty-four M1A1 tanks plus a stationary mechanized company(+)/battalion(-), and the integration of three squad sized enemy security forces.

Included ITS/MPS's. ITS 1802.1.1, 1802.1.3, 1802.2.25, 1802.2.28, 1802.4.2, 1802.4.5, MPS 10A.1.1, 10A.1.2, 10A.1.3, 10A.1.4, 10A.1.5, 10A.3.4, 10A.3.11, 10A.4.1, 10A.4.2

Simulation. No.

Battalion - Other Tactical Ops - 500 Level (BN-OT-529) CRP 2.00%

Goal. Withdraw under enemy pressure.

Requirement. The battalion is in either a deliberate or hasty defense and is in contact with the enemy. The enemy is attacking with an MRR(+). The battalion is authorized to withdraw. Another unit is positioned to cover the withdrawal (assisted) or the battalion is ordered to occupy new defensive positions in depth as a new mission without a covering force (unassisted) or the battalion is authorized to perform a sector defense in depth. The battalion commander's concept is to shift the defense rearward. The battalion must perform the withdrawal and reach its designated position NLT the time specified in the higher headquarters order. The battalion must not allow penetration nor bypass by enemy units larger than MRP/TP. The battalion must not sustain more than 30% casualties. After completion of the withdrawal, the battalion must be ready to assume its new mission.

Prerequisites. CO-OT-427, CO-OF-432, CO-OF-433, BN-OT-528

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated maneuver of at least forty-four M1A1 tanks plus a stationary mechanized company(+)/battalion(-), and the integration of a battalion(+) sized enemy mechanized/armored forces.

Included ITS/MPS's. ITS 1802.1.1, 1802.2.16, 1802.2.17, 1802.2.20, 1802.4.2, MPS 10A.1.1, 10A.1.2, 10A.1.3, 10A.1.4, 10A.1.6, 10A.3.4, 10A.3.8, 10A.3.9, 10A.3.10, 10A.3.12, 10A.4.1, 10A.4.2, 10A.5.1, 10A.5.2, 10A.6.1, 10A.6.2

Simulation. No.

Battalion - Other Tactical Ops - 500 Level (BN-OT-530) CRP 0.50%

Goal. Breakout from encirclement.

ENCLOSURE (1)

Requirement. The battalion performs an offensive, defensive, or retrograde operation. During the operation, the battalion becomes encircled (enemy elements to the front, flanks, and rear). The enemy may be in a hasty defensive posture or it may be using forces to fix the battalion. The battalion is ordered to rejoin friendly elements. The enemy is an MRB(+) sized unit. Gaps between enemy elements do exist. The battalion must break through or disengage from the enemy and rejoin friendly forces IAW directions from higher headquarters. The battalion must return with 75% of it's assigned, attached, and OPCON forces. All encircled friendly elements, regardless of the command relationship, should be brought under battalion control.

Prerequisites. CO-OF-431, CO-OF-432, CO-OF-433, CO-DF-443

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated maneuver of at least forty-four M1A1 tanks plus a stationary enemy mechanized company(+)/battalion(-).

Included ITS/MPS's. ITS 1802.1.1, 1802.2.23, 1802.4.1, MPS 10A.1.1, 10A.1.2, 10A.1.3, 10A.1.4, 10A.1.6, 10A.3.4, 10A.3.7, 10A.3.8, 10A.3.18, 10A.3.19, 10A.3.21, 10A.4.1, 10A.4.2, 10A.5.2, 10A.6.2

Simulation. No.

Battalion - Offense - 500 Level (BN-OF-540) CRP 4.00%

Goal. Fight a meeting engagement.

Requirement. The battalion is performing a tactical movement and encounters an enemy force that is not completely deployed for battle or that the advance guard cannot overcome. It may be an MRC(+) in a security defensive position, an MRC(+), or an MRR in march formation, which is organized and reacts (an immediate attack from the march). The battalion must respond to the encounter. A moving MRC(+) is destroyed (50%) or forced to withdraw. A defending MRC(+) in hasty positions must be destroyed (50%) or forced to withdraw. The battalion continues its mission.

Prerequisites. CO-OT-420, CO-OF-430, CO-OF-431, CO-OF-432, CO-OF-433

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated maneuver of at least three subordinate maneuver elements/companies plus the integration of a moving or stationary Threat armored/mechanized company(+).

Included ITS/MPS's. ITS 1802.4.1, 1802.4.5, MPS 10A.1.1, 10A.1.2, 10A.1.3, 10A.1.4, 10A.2.2, 10A.3.4, 10A.3.6, 10A.3.20, 10A.4.1, 10A.4.2

Simulation. Yes (TEWT, CAST, TWSEAS) 2.00%

Battalion - Offense - 500 Level (BN-OF-541) CRP 4.00%

Goal. Assault.

Requirement. The battalion encounters an enemy MRC(+) in a hasty defensive position (only a limited number of surface laid mines, no prepared vehicle fighting positions, only hasty individual positions for the infantry and lack of tie-in with adjacent companies) or a moving MRB(+). The higher headquarters commander's concept or orders do not allow bypass. The attack must begin in time to meet the higher headquarters commander's intent. The battalion must render the enemy force combat ineffective. The battalion must not lose more than 50% of its combat vehicles or infantry.

Prerequisites. CO-OF-430, CO-OF-431, CO-OF-432, CP-OF-433, CO-OF-434, CO-OF-435

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated maneuver of at least forty-four M1A1 tanks plus the integration of a moving or stationary Threat armored/mechanized battalion(+).

Included ITS/MPS's. ITS 1802.4.1, 1802.4.5, MPS 10A.1.1, 10A.1.2, 10A.1.3, 10A.1.4, 10A.2.2, 10A.3.4, 10A.3.7, 10A.3.8, 10A.3.20, 10A.4.1, 10A.4.2

Simulation. Yes (TEWT, CAST, TWSEAS) 2.00%

Battalion - Offense - 500 Level (BN-OF-542) CRP 4.00%

ENCLOSURE (1)

Goal. Breach defended obstacles.

Requirement. The battalion has been ordered to breach a defended obstacle system to initiate the higher headquarters penetration of an enemy defensive position. The area of the breach is covered by an MRC. Supporting attacks fix, but do not suppress, adjacent MRCs. The terrain does not permit bypass or wide envelopment. The obstacle system has wire obstacles, antitank and antipersonnel mines, and an antitank ditch. The battalion has priority of fires and may have a company of combat engineers attached. The battalion must initiate the breach within 45 minutes. The battalion must sustain no more than 30% casualties or combat vehicle losses. The battalion moves the following battalions through the obstacle system without losses due to friendly fire or obstacles, NLT the time specified in the higher headquarters order. The battalion sustains no losses as a result of friendly fire.

Prerequisites. CO-OF-430, CO-OF-431, CO-OF-432, CO-OF-433, CO-OF-434, CO-OF-435, CO-OF-436

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated maneuver of at least forty-four M1A1 tanks and attached engineer equipment plus the integration of a moving or stationary Threat armored/mechanized company(+).

Included ITS/MPS's. ITS 1802.4.1, MPS 10A.1.1, 10A.1.2, 10A.1.3, 10A.1.4, 10A.1.5, 10A.1.6, 10A.2.2, 10A.3.4, 10A.3.8, 10A.3.20, 10A.3.24, 10A.4.1, 10A.4.2

Simulation. No.

Battalion - Offense - 500 Level (BN-OF-543)

CRP 3.00%

Goal. Attack/Counter attack by fire.

Requirement. The battalion is ordered to move to a battle position and perform an attack by fire as a supporting or fixing attack OR counterattack by fire. It is assigned either a battle position and sector of fire/engagement area or an axis of advance and objective but the intent is not to close with and overrun the enemy position. The enemy may be stationary or moving. A stationary enemy can be either an MRC(+) or an MRB(+). A moving enemy can be either an MRB(+) or an MRR in march or prebattle formation with little forward reconnaissance due to losses incurred in the penetration. The intent for the battalion is either to destroy, suppress, fix, or deceive the enemy. If the intent is to destroy the enemy, the battalion must inflict at least 75% casualties. If the intent is to suppress/fix the enemy then the battalion must prevent the enemy from withdrawing, repositioning, or engaging other friendly forces. The battalion must consolidate and reorganize into at least three companies after the action and be prepared to continue with another mission.

Prerequisites. CO-OF-430, CO-OF-431, CO-OF-432, CO-OF-433

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated maneuver of at least forty-four M1A1 tanks plus the integration of a moving or stationary Threat armored/mechanized battalion(+).

Included ITS/MPS's. ITS 1802.4.1, 1802.4.2, MPS 10A.1.1, 10A.1.2, 10A.1.3, 10A.1.4, 10A.2.2, 10A.3.4, 10A.3.8, 10A.4.1, 10A.4.2, 10A.7.1

Simulation. No.

Battalion - Defense - 500 Level (BN-DF-550)

CRP 3.00%

Goal. Perform screen.

ENCLOSURE (1)

Requirement. The battalion has received an operation order to screen in front of or on the flanks of a larger friendly unit. The unit may be moving or stationary. The enemy is attempting to gain intelligence about the friendly unit and disrupt its operations. The battalion must detect all enemy platoon-sized or larger units in its assigned area and warn the higher headquarters before the enemy can attack or before the friendly force enters within effective range (3-5km) of enemy direct fire weapons in defensive positions. The battalion must strip enemy reconnaissance elements or force their withdrawal before they can provide information to their higher headquarters. The battalion uses indirect fire to defeat the enemy and uses direct fire only in self defense. The battalion sustains no more than 10% casualties or combat vehicle losses.

Prerequisites. CO-OF-432, CO-DF-440, CO-DF-441, BN-OT-529

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated maneuver of at least forty-four M1A1 tanks plus the integration of a moving or stationary Threat armored/mechanized battalion(+).

Included ITS/MPS's. ITS 1802.4.2, MPS 10A.1.1, 10A.1.2, 10A.1.3, 10A.1.4, 10A.1.5, 10A.2.1, 10A.2.2, 10A.3.4, 10A.3.8, 10A.3.11, 10A.3.12, 10A.3.22, 10A.4.1, 10A.4.2

Simulation. Yes (TEWT, CAST, TWSEAS) 1.50%

Battalion - Defense - 500 Level (BN-DF-551) CRP 3.00%

Goal. Perform guard.

Requirement. The battalion is conducting a guard operation for a stationary regiment or division. The battalion is deployed forward of a designated phase line. A reconnaissance of the area between the main body and the battalion has been conducted. The battalion is in place. Enemy reconnaissance elements are trying to locate the main body. Both the battalion and the enemy have artillery support available. The battalion must protect the main body from surprise and direct fire from the enemy. The battalion must cause premature deployment and attrit attacking enemy forces. The battalion must not displace to subsequent battle positions without permission from the main body commander. The battalion must inflict 75% casualties on the enemy if directed to fight.

Prerequisites. CO-DF-440, CO-DF-441, BN-OF-543

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated maneuver of at least forty-four M1A1 tanks plus the integration of a moving Threat armored/mechanized battalion(+).

Included ITS/MPS's. ITS 1802.4.2, MPS 10A.1.1, 10A.1.2, 10A.1.3, 10A.1.4, 10A.1.5, 10A.1.6, 10A.2.1, 10A.2.2, 10A.3.4, 10A.3.8, 10A.3.11, 10A.3.12, 10A.3.23, 10A.4.1, 10A.4.2

Simulation. Yes (TEWT, CAST, TWSEAS) 1.50%

Battalion - Defense - 500 Level (BN-DF-552) CRP 4.00%

Goal. Delay.

Requirement. The battalion is given the mission to delay in sector. The commander's intent is to obtain a maximum delay of the enemy while maintaining freedom of maneuver. The battalion must delay and destroy the enemy as specified in the higher headquarters operation order. The battalion must retain its freedom to maneuver; it must not become decisively engaged. The battalion must maintain contact with the enemy. The battalion must not be bypassed nor penetrated by more than a platoon sized element. The battalion must sustain losses of no more than 30% of its personnel or combat vehicles.

ENCLOSURE (1)

Prerequisites. CO-OF-431, CO-OF-432, CO-OF-433, CO-DF-440, CO-DF-441, CO-DF-442, CO-DF-443, BN-OF-543

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated maneuver of at least forty-four M1A1 tanks plus the integration of a moving Threat armored/mechanized battalion(+).

Included ITS/MPS's. ITS 1802.1.1, 1802.1.2, 1802.1.3, 1802.4.2, MPS 10A.1.1, 10A.1.2, 10A.1.3, 10A.1.4, 10A.1.5, 10A.1.6, 10A.2.1, 10A.2.2, 10A.3.4, 10A.3.8, 10A.3.11, 10A.3.12, 10A.3.13, 10A.4.1, 10A.4.2

Simulation. Yes (TEWT, CAST, TWSEAS) 2.00%

Battalion - Defense - 500 Level (BN-DF-553) CRP 4.00%

Goal. Defend.

Requirement. The battalion defends in the forward part of the MBA. A covering force forward of the battalion gives the battalion early warning. The covering force withdraws. The enemy performs reconnaissance, breaching and infiltration in preparation for the attack. The enemy attacks with an MRB(+). The battalion must be prepared to defend NLT the time prescribed in the higher headquarters operation order. The battalion performs the defense IAW the higher commander's intent for coordination with adjacent battalions. There is no penetration of the battalion's rear boundary by an MRC(+) or larger. The battalion must defeat the MRB(+) (50% or more vehicles destroyed or captured, 50% casualties) forward of the battalion's rear boundary. The battalion must sustain no more than 30% casualties.

Prerequisites. CO-OF-432, CO-DF-441, CO-DF-442, CO-DF-443, BN-OF-543

External Syllabus Support. A maneuver area large enough to permit the simultaneous, coordinated maneuver of at least forty-four M1A1 tanks plus the integration of a moving Threat armored/mechanized battalion(+).

Included ITS/MPS's. ITS 1802.1.1, 1802.1.2, 1802.2.3, 1802.4.2, MPS 10A.1.1, 10A.1.2, 10A.1.3, 10A.1.4, 10A.1.5, 10A.1.6, 10A.2.1, 10A.2.2, 10A.3.4, 10A.3.9, 10A.3.10, 10A.3.12, 10A.4.1, 10A.4.2, 10A.5.1, 10A.5.2

Simulation. Yes (TEWT, CAST, TWSEAS) 2.00%

Battalion - Amphibious Ops - 500 Level (BN-AM-560) CRP 1.00%

Goal. Conduct amphibious operations.

Requirement. The battalion is attached to an infantry regiment of the Ground Combat Element (GCE) of a Marine Air Ground Task Force (MAGTF) that has been alerted to a political situation that requires an amphibious operation. The initiating directive has been received. A Carrier Battle Group (CVBG) is supporting the operation. Threat forces have direct and indirect fire weapons, rotary and fixed-wing aircraft, and Electronic Warfare (EW) capability. It is anticipated that operations ashore will be of limited duration. The initial planning conference has been completed and the Commander, Landing Force (CLF) has issued the MAGTF planning directive. The battalion has received the GCE/MAGTF concept of operations and has developed a plan of attack which has been approved. Sufficient landing craft are available. CATF has issued the order to land the landing force. Assault amphibious vehicle, landing craft, and helicopter operational readiness rates are equal to the numbers anticipated in the final version of the MAGTF landing plan developed after the final rehearsal. During the planning phase, the battalion commander and the staff must analyze the GCE/regimental mission and coordinate tank employment. The battalion commander must ensure that the landing plan supports accomplishment of his mission. The landing plan must provide for delivery of the assaulting elements, in the desired formation, with the necessary equipment, over the selected beaches, at the time prescribed by the commander. Flexibility must be maintained through selective scheduling and subsequent cross decking (if required), of on-call waves so that critical combat support elements are brought ashore as required. During the initial stages of the assault, some degree of decentralized control is necessary. Actions by subordinate leaders must be aggressive and bold. Tactical control measures should be used to allow the battalion commander and his subordinate leaders to regain control as quickly as possible. The battalion must adjust indirect fires planned in support of the assault to coincide with movement on the ground. As material is delivered ashore, means must be established to make emergency resupply immediately available to front line units. This capability must be sustained throughout the buildup of combat power.

Prerequisites. CO-AM-460

ENCLOSURE (1)

External Syllabus Support. Amphibious shipping, enough LCACs/LCUs to transport at least forty-four M1A1 tanks from the shipping to the beach and a beach/maneuver area suitable for amphibious landings and the simultaneous maneuver of at least forty-four M1A1 tanks.

Included ITS/MPS's. ITS 1802.4.1, 1802.6.1, 1802.6.2, 1802.6.3, MPS 10A.1.1, 10A.1.2, 10A.1.3, 10A.1.4, 10A.1.5, 10A.3.7, 10A.4.1, 10A.4.2, 10A.5.2, 10A.6.1, 10A.9.1, 10A.9.2, 10A.9.3, 10A.9.4, 10A.9.5

Simulation. Yes (TEWT, CAST, TWSEAS) 0.50%

SECTION 1E
AMMUNITION REQUIREMENTS

108. AMMUNITION REQUIREMENTS

DODIC/ Nomenclature	200 Level Events (requirements are per crew)		
	Iterations Per year	Per Iteration	Annual Requirement
A560 CTG. Caliber .50 (dummy)	2	50	50
A135 CTG. 7.62mm (dummy)	2	100	100
TASC CTG. (dummy) for 120mm Main Gun	2	1	1
A063 5.56mm	2	148	296
A585 CTG Caliber .50 API-T (for Telfare)	2	130	260
A576 CTG. Caliber .50 M2 linked 4 ball 1 tracer	2	1000	2000
A 131 CTG. 7.63mm linked 4 ball 1 tracer	2	1200	2400
C784 CTG. 120mm HEAT-TPT	2	46	92
C785 CTG. 120mm TPCSDS-T	2	46	92
C871 81mm Illum	2	10	20
G815 Grenade, red phosphorous	2	1	2
K002 Activator, AT Practice	1	10	10
K230 Mine, AT Practice	1	10	10
G816 Signal Illumination Ground Green Star Cluster M158	1	1	1

ENCLOSURE (1)

300 Level Events (requirements are per crew)			
DODIC/ Nomenclature	Iterations Per year	Per Iteration	Annual Requirement
A585 CTG Caliber .50 API-T (for Telfare)	1	175	175
A576 CTG. Caliber .50 M2 linked 4 ball 1 tracer	1	86	86
A 131 CTG. 7.63mm linked 4 ball 1 tracer	1	825	825
C784 CTG. 120mm HEAT-TPT	1	15	15
C785 CTG. 120mm TPCSDS-T	1	0	0
C871 81mm Illum	1	17	17
G815 L8SMK GRDS	1	2	2
G815 Grenade, red phosphorous	1	1	1
K002 Activator, AT Practice	1	10	10
K230 Mine, AT Practice	1	10	10
G816 Signal Illumination Ground Green Star Cluster M158	1	1	1

400 Level Events (requirements are per crew)			
DODIC/ Nomenclature	Iterations Per year	Per Iteration	Annual Requirement
A576 CTG. Caliber .50 M2 linked 4 ball 1 tracer	1	86	86
A 131 CTG. 7.63mm linked 4 ball 1 tracer	1	200	200
C784 CTG. 120mm HEAT-TPT	1	7	7
C785 CTG. 120mm TPCSDS-T	1	7	7
G815 L8SMK GRDS	1	2	2

ENCLOSURE (1)

DODIC/ Nomenclature	Iterations Per year	Per Iteration	Annual Requirement
G815 Grenade, red phosphorous	1	1	1
K002 Activator, AT Practice	1	10	10
K230 Mine, AT Practice	1	10	10
G816 Signal Illumination Ground Green Star Cluster M158	1	1	1

500 Level Events (requirements are per crew)			
DODIC/ Nomenclature	Iterations Per year	Per Iteration	Annual Requirement
N/A	N/A	N/A	N/A

Note. The ammunition requirements contained in this manual are derived from the Individual Training Standards Order and are not additional ammunition requirements. The ammunition listed here will train the ITS's concurrently with the Training Events.

SECTION 1F
TRAINING INTERVALS

109. TRAINING INTERVALS

Level	Event Number	Training Interval (in months)	
200	IN-GN-215	6	
	CR-GN-220	6	
	CR-GN-221	6	
	CR-GN-222	6	
	CR-GN-223	6	
	CR-GN-224	6	
	CR-GN-225	6	
	CR-GN-226	6	
	CR-GN-227	6	
	IN-TA-230	6	
	CR-TA-231	6	
	CR-TA-232	6	
	CR-CT-240	12	
	CR-CT-241	12	
	CR-CT-242	12	
	CR-CT-243	12	
	CR-CT-244	12	
	300	SC-TA-310	6
		SC-TA-311	6
		SC-TA-312	6
PL-TA-313		6	
PL-TA-314		6	
PL-TA-315		6	
PL-OT-320		3	
PL-OT-321		3	
PL-OT-322		3	
PL-OT-323		3	
PL-OT-324		3	
PL-OT-325		3	
PL-OT-326		3	
PL-OT-327		3	
PL-OT-328		3	
PL-OF-330		6	
PL-OF-331		6	
PL-OF-332		6	
PL-OF-333		6	
PL-OF-334		6	
PL-DF-340		6	
PL-DF-341	6		
PL-DF-342	6		
PL-DF-343	6		
PL-GN-350	12		
PL-GN-351	12		

ENCLOSURE (1)

Level	Event Number	Training Interval (in months)	
400	CO-OT-420	3	
	CO-OT-421	3	
	CO-OT-422	12	
	CO-OT-423	12	
	CO-OT-424	12	
	CO-OT-425	6	
	CO-OT-426	6	
	CO-OT-427	12	
	CO-OT-428	12	
	CO-OF-430	6	
	CO-OF-431	6	
	CO-OF-432	6	
	CO-OF-433	6	
	CO-OF-434	6	
	CO-OF-435	6	
	CO-OF-436	6	
	CO-DF-440	12	
	CO-DF-441	12	
	CO-DF-442	6	
	CO-DF-443	6	
	CO-GN-450	12	
	CO-AM-460	12	
	500	BN-OT-520	6
		BN-OT-521	12
		BN-OT-522	12
		BN-OT-523	12
		BN-OT-524	12
		BN-OT-525	6
		BN-OT-526	6
		BN-OT-527	6
		BN-OT-528	12
		BN-OT-529	12
		BN-OT-530	12
BN-OF-540		6	
BN-OF-541		6	
BN-OF-542		6	
BN-OF-543		6	
BN-DF-550		12	
BN-DF-551		12	
BN-DF-552		6	
BN-DF-553		6	
BN-AM-560		18	

SECTION 1G
CHAINING/EVENT UPDATES

110. EVENT UPDATE/CHAINING

Event	Events updated
IN-GN-215	NA
CR-GN-220	NA
CR-GN-221	NA
CR-GN-222	NA
CR-GN-223	NA
CR-GN-224	NA
CR-GN-225	NA
CR-GN-226	NA
CR-GN-227	NA
IN-TA-230	NA
CR-TA-231	NA
CR-TA-232	NA
CR-CT-240	NA
CR-CT-241	NA
CR-CT-242	NA
CR-CT-243	NA
CR-CT-244	NA
SC-TA-310	NA
SC-TA-311	NA
SC-TA-312	CR-TA-232
PL-TA-313	SC-TA-310
PL-TA-314	SC-TA-311
PL-TA-315	SC-TA-312, CR-TA-232
PL-OT-320	IN-TA-230, CR-TA-231, CR-TA-232
PL-OT-321	IN-TA-230, CR-TA-231, CR-TA-232
PL-OT-322	IN-TA-230, CR-TA-231, CR-TA-232
PL-OT-323	IN-TA-230, CR-TA-231, CR-TA-232, PL-OT-322
PL-OT-324	IN-TA-230, CR-TA-231, CR-TA-232
PL-OT-325	NA
PL-OT-326	NA
PL-OT-327	NA
PL-OT-328	NA
PL-OF-330	NA
PL-OF-331	SC-TA-311, SC-TA-312
PL-OF-332	SC-TA-311, SC-TA-312, PL-TA-313, PL-TA-314, PL-TA-315
PL-OF-333	NA
PL-OF-334	SC-TA-310, SC-TA-311, SC-TA-312, PL-TA-313, PL-TA-314, PL-TA-315
PL-DF-340	IN-TA-230
PL-DF-341	PL-TA-313
PL-DF-342	PL-OF-333
PL-DF-343	NA

ENCLOSURE (1)

Event	Events updated
PL-GN-350	SC-TA-310, SC-TA-311, SC-TA-312, PL-TA-313, PL-TA-314, PL-TA-315, PL-OT-320, PL-OT-321, PL-OT-322, PL-OT-323, PL-OT-324, PL-OT-325, PL-OF-331, PL-OF-332, PL-OF-334, PL-DF-340, PL-DF-342, PL-DF-341, PL-DF-343
PL-GN-351	SC-TA-310, SC-TA-311, SC-TA-312, PL-TA-313, PL-TA-314, PL-TA-315, PL-OT-320, PL-OT-321, PL-OT-322, PL-OT-323, PL-OT-324, PL-OT-325, PL-OF-331, PL-OF-332, PL-OF-334, PL-DF-340, PL-DF-342, PL-DF-341, PL-DF-343, PL-GN-350
CO-OT-420	PL-OT-320, PL-OT-324
CO-OT-421	SC-TA-310, PL-TA-313, PL-OT-325
CO-OT-422	PL-OT-326
CO-OT-423	PL-OT-327
CO-OT-424	PL-OT-328
CO-OT-425	PL-OF-330, PL-OF-331, PL-OF-333
CO-OT-426	PL-OF-331, PL-OF-332, PL-OF-333, PL-OF-334, PL-DF-340, PL-DF-342
CO-OT-427	PL-DF-340, PL-DF-341, PL-DF-342
CO-OT-428	PL-OF-331, PL-OF-332, PL-OF-333, PL-OF-334
CO-OF-430	PL-OF-331, PL-OF-333, PL-OF-334
CO-OF-431	PL-OF-331, PL-OF-332, PL-OF-333, PL-OF-334
CO-OF-432	PL-OF-333
CO-OF-433	PL-OF-333,
CO-OF-434	PL-OF-333, PL-OF-334, CO-OF-431
CO-OF-435	PL-OF-333, PL-OF-334, CO-OF-432, CO-OF-433
CO-OF-436	PL-OF-330, PL-OF-331, PL-OF-332, PL-OF-333, PL-OF-334, CO-OF-430, CO-OF-431, CO-OF-432, CO-OF-433, CO-OF-434
CO-DF-440	PL-OF-330, PL-OF-333
CO-DF-441	PL-OF-330, PL-OF-333, PL-DF-340, PL-DF-341, CO-OF-431, CO-OF-432
CO-DF-442	PL-OF-330, PL-OF-331, PL-OF-333, PL-DF-340, PL-DF-341, PL-DF-342, PL-DF-343, CO-OF-431, CO-OF-432, CO-OF-443
CO-DF-443	PL-OF-330, PL-OF-331, PL-OF-332, PL-OF-333, PL-DF-340, PL-DF-341, PL-DF-342, PL-DF-343, CO-OF-431, CO-OF-432, CO-OF-433
CO-GN-450	PL-OT-324, PL-OT-325, PL-OF-330, PL-OF-331, PL-OF-332, PL-OF-333, PL-OF-334, CO-OT-420, CO-OT-421, CO-OF-430, CO-OF-431, CO-OF-432, CO-OF-433, CO-OF-434, CO-OF-435
CO-AM-460	NA

Event	Events updated
BN-OT-520	CO-OT-420, CO-OT-421
BN-OT-521	CO-OT-422, CO-OT-423, CO-OF-432, CO-OF-433, CO-DF-443
BN-OT-522	Forward; CO-OT-422, CO-OT-423, CO-OF-430, CO-OF-431, CO-OF-432, CO-OF-433, BN-OF-543, Rearward; CO-OT-422, CO-OT-423, CO-OT-427, CO-OF-432, CO-OF-433, CO-DF-443, BN-OF-543
BN-OT-523	CO-OT-420, CO-OT-421
BN-OT-524	CO-OT-420, CO-OT-421, CO-OT-424, BN-OT-520
BN-OT-525	CO-OT-420, CO-OT-425, CO-OF-430, CO-OF-431, CO-OF-432, CO-OF-433, BN-OF-543
BN-OT-526	Offense; CO-OF-431, CO-OF-432, CO-OF-433, CO-OF-434, CO-OF-435, BN-OF-541, BN-OF-543, Defense; CO-OT-424, CO-OF-431, CO-OF-432, CO-OF-433, CO-OF-434, CO-OF-435, BN-OF-543
BN-OT-527	CO-OT-420, CO-OF-430, CO-OF-431, CO-OF-432, CO-OF-433, CO-OF-434, CO-OF-435, CO-DF-443, BN-OT-520, BN-OF-540, BN-OF-541, BN-OF-543
BN-OT-528	CO-OT-420, CO-OT-422, CO-OT-423, BN-OT-520, BN-OT-522
BN-OT-529	CO-OT-422, CO-OT-423, CO-OT-427, CO-OF-432, CO-OF-433, CO-DF-442, CO-DF-443, BN-OT-522, BN-OT-528, BN-OF-543, BN-DF-552, BN-DF-553
BN-OT-530	CO-OT-422, CO-OT-423, CO-OT-427, CO-OT-428, CO-OF-432, CO-OF-433, BN-OF-541, BN-OF-543
BN-OF-540	CO-OF-430, CO-OF-431, CO-OF-432, CO-OF-433, CO-OF-434, CP-OF-435
BN-OF-541	CO-OF-430, CO-OF-431, CO-OF-432, CO-OF-433, CO-OF-434, CP-OF-435
BN-OF-542	CO-OF-430, CO-OF-431, CO-OF-432, CO-OF-433, CO-OF-434, CO-OF-435, CO-OF-436
BN-OF-543	CO-OF-430, CO-OF-431, CO-OF-432, CO-OF-433, CO-OF-434
BN-DF-550	CO-OF-430, CO-OF-432, CO-DF-440, CO-DF-442
BN-DF-551	CO-OF-430, CO-OF-432, CO-DF-440, CO-DF-441, CO-DF-442
BN-DF-552	CO-OF-430, CO-OF-431, CO-OF-432, CO-DF-440, CO-DF-441, CO-DF-442, CO-DF-443
BN-DF-553	CO-OF-430, CO-OF-431, CO-OF-432, CO-DF-440, CO-DF-441, CO-DF-442, CO-DF-443
BN-AM-560	CO-AM-460

ENCLOSURE (1)