

COMBAT ENGINEER PLATOON SERGEANT (WORKING)  
LEARNING OBJECTIVE/OUTCOME REPORT

DUTY: 1371-ADMN      DESC: Administration

TASK: 1371-ADMN-2001      DESC:

TLO: 1371-ADMN-2001

TLO TEXT: Given an engineer unit, training requirements and references, manage unit training to meet training requirements sustaining engineer operations in accordance with NAVMC 3500.12\_ Marine Corps Engineer and Utilities Training and Readiness Manual.

ELO: 1371-ADMN-2001a

ELO TEXT: Given a unit training plan, time restraints, commander's intent, a list of personnel and equipment, analyze the T&R manual to collect the required information to develop training schedules to meet the requirements of the training plan, the commander's intent, and NAVMC 3500.12\_ Marine Corps Engineer and Utilities Training and Readiness Manual.

ELO: 1371-ADMN-2001b

ELO TEXT: Given a unit training plan, time restraints, and commander's intent, identify the various types of training or programs that can be used to meet the requirements of the training plan per the commander's intent and in accordance with NAVMC 1553.1 Systems Approach to Training (SAT) User's Guidebook and NAVMC 3500.12\_ Marine Corps Engineer and Utilities Training and Readiness Manual.

ELO: 1371-ADMN-2001c

ELO TEXT: Given a unit training plan, time restraints, commander's intent, and a list of personnel and equipment, design training to meet the requirements of the training plan per the commander's intent and in accordance with NAVMC 1553.1 Systems Approach to Training (SAT) User's Guidebook and NAVMC 3500.12\_ Marine Corps Engineer and Utilities Training and Readiness Manual.

ELO: 1371-ADMN-2001d

ELO TEXT: Given a unit training plan, time restraints, commander's intent, and a list of personnel and equipment, conduct Operational Risk Assessment (ORA) to identify possible hazards and how to mitigate hazards for specified training in accordance with NAVMC 1553.1 Systems Approach to Training (SAT) User's Guidebook and MCO 3500.27 Operational Risk Management (ORM).

ELO: 1371-ADMN-2001e

ELO TEXT: Given a unit training plan, time restraints, commander's intent, develop training to meet the requirements of the training plan per the commander's intent and in accordance with NAVMC 1553.1 Systems Approach to Training (SAT) User's Guidebook and NAVMC 3500.12\_ Marine Corps Engineer and Utilities Training and Readiness Manual.

ELO: 1371-ADMN-2001f

ELO TEXT: Given a unit training plan, time restraints, commander's intent, a list of personnel and equipment, describe the implementation of training developed to the meet requirements of the training plan per the commander's intent and in accordance with NAVMC 1553.1 Systems Approach to Training (SAT) User's Guidebook and applicable range SOPs.

ELO: 1371-ADMN-2001g

ELO TEXT: Given a unit training plan, time restraints, and commander's intent, describe the procedures to evaluate training conducted to identify possible shortfalls or if the training met the requirements of the training plan and the commander's intent and in accordance with NAVMC 1553.1 Systems Approach to Training (SAT) User's Guidebook.



COMBAT ENGINEER PLATOON SERGEANT (WORKING)  
LEARNING OBJECTIVE/OUTCOME REPORT

TASK: 1371-ADMN-2002    DESC:

TLO: 1371-ADMN-2002

TLO TEXT: Given a mission, commander's intent, and references, deliver a military brief to provide an oral description of the current engineer situation, proposed execution, and logistical support capabilities and limitations.

ELO: 1371-ADMN-2002a

ELO TEXT: Given a mission, commander's intent, and reference, select the type of brief to pass the required information in accordance with the mission, commander's intent and MCWP 3-40.1 MAGTF Command and Control.

ELO: 1371-ADMN-2002b

ELO TEXT: Given a mission, commander's intent, and references, design the brief (research) to pass the required information in accordance with the mission, commander's intent and MCWP 3-40.1 MAGTF Command and Control.

ELO: 1371-ADMN-2002c

ELO TEXT: Given a mission, commander's intent, and references, develop the brief to pass the required information in accordance with the mission, commander's intent and MCWP 3-40.1 MAGTF Command and Control.

ELO: 1371-ADMN-2002d

ELO TEXT: Given a mission, commander's intent, and references, prepare supporting documents for the brief to pass the required information in accordance with the mission, commander's intent and MCWP 3-40.1 MAGTF Command and Control.

ELO: 1371-ADMN-2002e

ELO TEXT: Given a mission, commander's intent, and references, advise the commander of the engineer situation/mission by employing effective briefing techniques to pass the required information in accordance with the mission, commander's intent and MCWP 3-40.1 MAGTF Command and Control.



COMBAT ENGINEER PLATOON SERGEANT (WORKING)  
LEARNING OBJECTIVE/OUTCOME REPORT

DUTY: 1371-CMOB      DESC: Counter Mobility

TASK: 1371-CMOB-2002      DESC:

TLO: 1371-CMOB-2002

TLO TEXT: Given a tactical situation, intelligence reports, map, operations order, and references, prepare an obstacle plan to recommend obstacle types, placement, and resources required to fix, turn, block and disrupt enemy movement in accordance with MCWP 3-17.5 Combined Arms Obstacle Integration.

ELO: 1371-CMOB-2002a

ELO TEXT: Given a tactical situation, a map, a mission statement, commander's intent and references, conduct intelligence preparation of the battlefield in accordance with MCRP 2-3A Intelligence Preparation of the Battlefield/Battlespace and MCWP 3-17.5 Combined Arms Obstacle Intergration.

ELO: 1371-CMOB-2002b

ELO TEXT: Given a tactical situation, a map, a mission statement, commander's intent and references, identify requests for information (RFIs) for obstacle planning in accordance with MCWP 3-17.5 Combined Arms Obstacle Intergration.

ELO: 1371-CMOB-2002c

ELO TEXT: Given a tactical situation, a map, a mission statement, commander's intent and references, determine the intent of reinforcing obstacles in support of the commander's intent in accordance with MCWP 3-17.5 Combined Arms Obstacle Intergration.

ELO: 1371-CMOB-2002d

ELO TEXT: Given a tactical situation, a map, a mission statement, commander's intent and references, determine the types of obstacles required to support of the commander's intent in accordance with MCWP 3-17.5 Combined Arms Obstacle Intergration.

ELO: 1371-CMOB-2002e

ELO TEXT: Given a tactical situation, a map, a mission statement, commander's intent and references, determine the placement of reinforcing obstacles required to support of the commander's intent in accordance with MCWP 3-17.5 Combined Arms Obstacle Intergration.

ELO: 1371-CMOB-2002f

ELO TEXT: Given a tactical situation, a map, a mission statement, commander's intent and references, identify logistics requirements required to support the obstacle plan in accordance with MCWP 3-17.5 Combined Arms Obstacle Intergration and other applicable references.

ELO: 1371-CMOB-2002g

ELO TEXT: Given a tactical situation, a map, a mission statement, commander's intent and references, complete a Modified Combined Obstacle Overlay (MCOO) depicting the obstacle plan in accordance with MCRP 2-3A Intelligence of the Battlefield/Battlespace and MCWP 3-17.5 Combined Arms Obstacle Intergration.



COMBAT ENGINEER PLATOON SERGEANT (WORKING)  
LEARNING OBJECTIVE/OUTCOME REPORT

DUTY: 1371-EOPS      DESC: Engineer Operations

TASK: 1371-EOPS-2005      DESC:

TLO: 1371-EOPS-2005

TLO TEXT: Provided specifications, writing/sketching materials, a calculator, and the reference, design concrete structures to specify type of materials to be used, proper spacing of all components, and quantity and type of material required for finished structures capable of supporting all loads considered per the specifications and in accordance with MCRP 3-17.7D Concrete & Masonry.

ELO: 1371-EOPS-2005a

ELO TEXT: Given a construction directive and reference, determine required forming material needed for a concrete structure to meet specifications of the construction directive and in accordance with MCRP 3-17.7D Concrete & Masonry.

ELO: 1371-EOPS-2005b

ELO TEXT: Given a construction directive and reference, determine required reinforcement material needed for a concrete structure to meet specifications of the construction directive and in accordance with MCRP 3-17.7D Concrete & Masonry.

ELO: 1371-EOPS-2005c

ELO TEXT: Given a construction directive and reference, determine required materials needed for a concrete block wall structure to meet specifications of the construction directive and in accordance with MCRP 3-17.7D Concrete & Masonry.

ELO: 1371-EOPS-2005d

ELO TEXT: Given a construction directive and reference, determine required slump needed for a concrete structure to meet specifications of the construction directive and in accordance with MCRP 3-17.7D Concrete & Masonry.

ELO: 1371-EOPS-2005e

ELO TEXT: Given a construction directive and reference, determine required materials needed for a concrete structure to meet specifications of the construction directive and in accordance with MCRP 3-17.7D Concrete & Masonry.

TASK: 1371-EOPS-2011      DESC:

TLO: 1371-EOPS-2011

TLO TEXT: Provided a mission, construction drawings/blueprints, specifications, a calculator, writing materials, activity estimate sheets, and the reference, establish project/operation schedules to detail all personnel, equipment, and materials necessary to accomplish the mission while establishing a defined duration for each subtask and the overall project/operation and graphically depict the schedule in accordance with MCRP 3-17.7F Construction Project Management.

ELO: 1371-EOPS-2011a

ELO TEXT: Given a construction directive, project specifications, and the references, create an activities list to support the project/operation in accordance with MCRP 3-17.7F Construction Project Management.

ELO: 1371-EOPS-2011b

ELO TEXT: Given a construction directive, a complete activity list, and references, create an activity estimate sheet for each activity in accordance with MCRP 3-17.7F Construction Project Management.



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ELO: 1371-EOPS-2011c

ELO TEXT: Given a completed project schedule, notional TO/TE constraints, and references, perform resource leveling in accordance with MCRP 3-17.7F Construction Project Management.

TASK: 1371-EOPS-2012      DESC:

TLO: 1371-EOPS-2012

TLO TEXT: Provided a mission, commander's intent and resources, arrange external support for engineer projects/operations to provide all required support for a project or operation to meet the desired endstate.

ELO: 1371-EOPS-2012a

ELO TEXT: Provided an operations order, identify engineer units to provide all required support for a project or operation per the concept of operations, commander's intent and in accordance with MCWP 3-17 Engineering Operations and JP 3-34 Joint Engineer Operations.

ELO: 1371-EOPS-2012b

ELO TEXT: Provided an operations order, identify capabilities of engineer units to provide all required support for a project or operation per the concept of operations, commander's intent and in accordance with MCWP 3-17 Engineering Operations and JP 3-34 Joint Engineer Operations.

ELO: 1371-EOPS-2012c

ELO TEXT: Provided an operations order, identify missions of engineer units to provide all required support for a project or operation per the concept of operations, commander's intent and in accordance with MCWP 3-17 Engineering Operations and JP 3-34 Joint Engineer Operations.

ELO: 1371-EOPS-2012d

ELO TEXT: Provided an operations order, identify procedures required to coordinate with engineer units to provide all required support for a project or operation per the concept of operations and in accordance with MCWP 3-17 Engineering Operations and JP 3-34 Joint Engineer Operations.

TASK: 1371-EOPS-2013      DESC:

TLO: 1371-EOPS-2013

TLO TEXT: Given the requirement to conduct live fire training, approved range, valid RSO card, Class V, target material, personal protective equipment (PPE), communications equipment, and references, conduct range operations to complete required training without injury to personnel and equipment in accordance with AR 385-63 Range Safety Operations.

ELO: 1371-EOPS-2013a

ELO TEXT: Given an area to conduct a proposed live fire range, materials and references, establish a range to conduct operations to complete required live fire training per applicable references and in accordance with AR 385-63 Range Safety Operations.

ELO: 1371-EOPS-2013b

ELO TEXT: Given a requirement to conduct a live fire range, a list of Class V material, target material, and references, develop a live fire/shot plan to complete required training per applicable references and in accordance with AR 385-63 Range Safety



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Operations.

ELO: 1371-EOPS-2013c

ELO TEXT: Given a requirement to conduct a live fire range, Class V material, target material, and references, identify the required support to conduct range operations to complete required training per applicable references and in accordance with AR 385-63 Range Safety Operations.

ELO: 1371-EOPS-2013d

ELO TEXT: Given a notional live fire range, RSO card, Class V, target material, personal protective equipment (PPE) and references, conduct range operations on an established range (notional) to complete required training per applicable references, NAVMC 3500.12\_ Engineer and Utilities Training & Readiness (T&R) Manual, and in accordance with AR 385-63 Range Safety Operations.

ELO: 1371-EOPS-2013e

ELO TEXT: Given the requirement and references, identify post operation requirements when range operations are completed per applicable references, range regulations, and in accordance with AR 385-63 Range Safety Operations.

COMBAT ENGINEER PLATOON SERGEANT (WORKING)  
LEARNING OBJECTIVE/OUTCOME REPORT

DUTY: 1371-HORZ      DESC: Horizontal Construction

TASK: 1371-HORZ-2005      DESC:

TLO: 1371-HORZ-2005

TLO TEXT: Provided construction drawings, blueprints, specifications, writing materials, a calculator, and the reference, determine required concrete mixture to achieve proper PSI per the specifications in accordance with MCRP 3-17.7D Concrete & Masonry.

ELO: 1371-HORZ-2005a

ELO TEXT: Given a construction directive and reference, design concrete mixtures capable of meeting the specifications of the construction directive in accordance with MCRP 3-17.7D Concrete & Masonry.

ELO: 1371-HORZ-2005b

ELO TEXT: Given a construction directive and reference, determine proportions of concrete to meet the specifications of the construction directive in accordance with MCRP 3-17.7D Concrete & Masonry.



COMBAT ENGINEER PLATOON SERGEANT (WORKING)  
LEARNING OBJECTIVE/OUTCOME REPORT

DUTY: 1371-MANT      DESC: Maintenance

TASK: 1371-MANT-2001      DESC:

TLO: 1371-MANT-2001

TLO TEXT: With access to Global Combat Support System-Marine Corps (GCSSMC), combat engineer equipment, chests, sets and kits, equipment records, maintenance forms and references, maintain the unit's engineer equipment, chests, sets and kits maintenance programs to ensure maintenance management functions, maintenance resources, production, and information conform to unit MMSOP requirements per the references.

ELO: 1371-MANT-2001a

ELO TEXT: Given the requirement, state the requirements of maintenance/maintenance management in accordance with Marine Corps orders, directives and other applicable references.

ELO: 1371-MANT-2001b

ELO TEXT: Given the requirement and references, identify the procedures to maintain engineer equipment publications in accordance with applicable references.

ELO: 1371-MANT-2001c

ELO TEXT: Given the requirement and references, state the requirements to inventory equipment, chests, sets and kits in accordance with applicable references.

ELO: 1371-MANT-2001d

ELO TEXT: Given the requirement, a notional Table of Equipment (T/E), a Consolidate Memorandum Receipt (CMR), and references, report discrepancies to Mechanized Allowance List (MAL) and CMR in accordance with applicable references.

ELO: 1371-MANT-2001e

ELO TEXT: Given the requirement, state the capabilities of Global Combat Support System-Marine Corps (GCSS-MC) in accordance with applicable references.

ELO: 1371-MANT-2001f

ELO TEXT: Given the requirement, a notional Table of Equipment (T/E), applicable forms or reports, and references, state the procedures to maintain equipment folders/forms/GCSS-MC in accordance with applicable references.

ELO: 1371-MANT-2001g

ELO TEXT: Given the requirement, identify the different service requests in GCSS-MC in accordance with applicable references.

ELO: 1371-MANT-2001h

ELO TEXT: Given the requirement, identify the types of GCSS-MC generated reports necessary for users in accordance with applicable references.

TASK: 1371-MANT-2002      DESC:

TLO: 1371-MANT-2002

TLO TEXT: With access to Global Combat Support System-Marine Corps (GCSS-MC), maintenance management reports, supporting documentation, combat engineer equipment, chests, sets and kits and references, monitor the maintenance management of the unit's combat engineer equipment, chests, sets and kits so accuracy of the combat engineer equipment, chests, sets and kits maintenance is validated and unit's readiness and equipment serviceability are enhanced.



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ELO: 1371-MANT-2002a

ELO TEXT: Given the requirement and references, generate an Maintenance Process Report (MPR) using GCSS-MC on unit/platoon equipment in accordance with applicable references.

ELO: 1371-MANT-2002b

ELO TEXT: Given the requirement and references, generate an Equipment Status Request(ESR)report using GCSS-MC on unit/platoon in accordance with applicable references.

ELO: 1371-MANT-2002c

ELO TEXT: Given the requirement and references, state requirements to reconcile with maintenance/supply using GCSS-MC reports in accordance with applicable references.

COMBAT ENGINEER PLATOON SERGEANT (WORKING)  
LEARNING OBJECTIVE/OUTCOME REPORT

DUTY: 1371-MOBL      DESC: Mobility

TASK: 1371-MOBL-2006      DESC:

TLO: 1371-MOBL-2006

TLO TEXT: Provided a mission specifying a military load class requirement, completed engineer reconnaissance reports with hydrographic information, and references, determine raft size required for wet gap crossing to meet mission requirements based on available resources and to deliver the troops and equipment across the gap with a minimum number of trips in accordance with MCWP 3-17.8 Combined Arms Mobility Operations.

ELO: 1371-MOBL-2006a

ELO TEXT: Given a tactical scenario, reconnaissance information, commander's intent and references, identify the equipment needed for rafting operations in accordance with MCWP 3-17.8 Combined Arms Mobility Operations.

ELO: 1371-MOBL-2006b

ELO TEXT: Given a tactical scenario, a mission statement, commander's intent and references, select a raft configuration using the Improved Ribbon Bridge (IRB) that will satisfy the scenario's traffic in accordance with MCWP 3-17.8 Combined Arms Mobility Operations.

ELO: 1371-MOBL-2006c

ELO TEXT: Given a tactical scenario, a mission statement, commander's intent and references, plan the assembly of a Improved Ribbon Bridge (IRB) raft that will utilize the minimum number of assets, in the shortest amount of time, and to satisfy the scenario's traffic in accordance with MCWP 3-17.8 Combined Arms Mobility Operations, TM 11518A-OR Improved Ribbon Bridge (IRB) Operator's Manual, and TM 10020C-OI Bridge Erection Boat (MKIII) Operator's Manual.

ELO: 1371-MOBL-2006d

ELO TEXT: Given a tactical scenario, a mission statement, commander's intent and references, determine the rafting cycle needed to cross all personnel and equipment in the shortest amount of time to support the commander's intent and concept of operations in accordance with MCWP 3-17.8 Combined Arms Mobility Operations and TM 11518A-OR Improved Ribbon Bridge (IRB) Operator's Manual.

ELO: 1371-MOBL-2006e

ELO TEXT: Given a tactical scenario, a mission statement, commander's intent and references, identify all risks associated with rafting operations to cross all personnel and equipment to support the commander's intent and concept of operations in accordance with MCWP 3-17.8 Combined Arms Mobility Operations, MCO 3500.27\_ Operational Risk Management (ORM), and TM 11518A-OR Improved Ribbon Bridge (IRB) Operator's Manual.

TASK: 1371-MOBL-2007      DESC:

TLO: 1371-MOBL-2007

TLO TEXT: Provided a mission specifying a military load class requirement, a map, reconnaissance report(s), and references, determine tactical bridging assets required to span a gap; for a wet gap crossing, determine the length of bridge, number and type of IRB bays required, number of BEBs required, anchoring system to be employed, all logistical requirements, and calculate total time to construct the bridge in accordance with TM 11518A-OR Improved Ribbon Bridge (IRB) Operator's Manual; for a dry gap crossing, determine the MGB configuration, calculate pallets required, determine all logistical requirements, and



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calculate total time to construct the bridge in accordance with TM 5-5420-212-12  
Medium Girder Bridge (MGB).

ELO: 1371-MOBL-2007a

ELO TEXT: Given a tactical scenario, critical deminsions, a military load class (MLC) and references, select in writing a military standard bridge (MGB/IRB) configuraton to support the required military load class in accordance with applicable references.

ELO: 1371-MOBL-2007b

ELO TEXT: Given a tactical scenario, a Medium Girder Bridge (MGB) or Improved Ribbon Bridge (IRB) configuraton and references, determine the best crossing site based on reconnaissance information in accordance with applicable references.

ELO: 1371-MOBL-2007c

ELO TEXT: Given a tactical scenario, a Medium Girder Bridge (MGB) or Improved Ribbon Bridge (IRB) configuraton and references, determine length of bridge needed for mobility requirements and site in accordance with applicable references.

ELO: 1371-MOBL-2007d

ELO TEXT: Given a tactical scenario, a Medium Girder Bridge (MGB) configuraton, site reconnaissance reports, and reference, complete the MGB Pro Forma worksheet based on reconnaissance information in accordance with TM 5-5420-212-12 Medium Girder Bridge (MGB).

ELO: 1371-MOBL-2007e

ELO TEXT: Given a tactical scenario, a gap (wet) to be crossed by Improved Ribbon Bridge (IRB), site reconnaissance reports and references, determine bridging assets required based on calculations from reconnaissance information in accordance with TM 11518A-OR Improved Ribbon Bridge (IRB) Operator's Manual.

ELO: 1371-MOBL-2007f

ELO TEXT: Given a tactical scenario, a gap (wet or dry) to be crossed by MGB/IRB and references, determine resources/time required to support construction of military standard bridges in accordance with applicable references.

TASK: 1371-MOBL-2017     DESC:

TLO: 1371-MOBL-2017

TLO TEXT: Given a tactical situation, an operations order, a map, current obstacle intelligence, and references, plan breaching of a complex obstacle that will result in a sufficient number of cleared lanes for assured mobility per the commander's intent in accordance with MCWP 3-17.3 MAGTF Breaching Operations.

ELO: 1371-MOBL-2017a

ELO TEXT: Given a tactical breaching scenario, concept of operations, commander's intent, a map, and references, identify breaching fundamentals that conform to MAGTF breaching doctrine and support the concept of operations in accordance with MCWP 3-17.3 MAGTF Breaching Operations and MCWP 3-17.8 Combined Arms Mobility Operations.

ELO: 1371-MOBL-2017b

ELO TEXT: Given a tactical breaching scenario, concept of operations, commander's intent, a map, and references, identify probable enemy countermobility capabilities in accordance with MCWP 3-17.3 MAGTF Breaching Operations and other applicable references.

ELO: 1371-MOBL-2017c



LEARNING OBJECTIVE/OUTCOME REPORT

ELO TEXT: Given a tactical breaching scenario, concept of operations, commander's intent and references, select explosive breaching assets which can be used to execute breaching operations in accordance with the commander's intent, the concept of operations, MCWP 3-17.3 MAGTF Breaching Operations and MCWP 3-17.8 Combined Arms Mobility Operations.

ELO: 1371-MOBL-2017d

ELO TEXT: Given a tactical breaching scenario, concept of operations, commander's intent and references, select non-explosive breaching assets which can be used to execute breaching operations in accordance with the commander's intent, the concept of operations, MCWP 3-17.3 MAGTF Breaching Operations and MCWP 3-17.8 Combined Arms Mobility Operations.

ELO: 1371-MOBL-2017e

ELO TEXT: Given a tactical breaching scenario, concept of operations and references, list support requirements necessary to execute breaching operations in accordance with the concept of operations, MCWP 3-17.3 MAGTF Breaching Operations and MCWP 3-17.8 Combined Arms Mobility Operations.

ELO: 1371-MOBL-2017f

ELO TEXT: Given a tactical breaching scenario, concept of operations, commander's intent, a map, a sand table and references, plan a breaching mission (engineer specific tasks) in accordance with the commander's intent, the concept of operations, MCWP 3-17.3 MAGTF Breaching Operations and MCWP 3-17.8 Combined Arms Mobility Operations.

TASK: 1371-MOBL-2021     DESC:

TLO: 1371-MOBL-2021

TLO TEXT: Given a tactical situation, a route/area to be cleared, clearance equipment, a map, and an operation order, lead Route and Area Clearance Operations to locate, identify, mark, and/or reduce all explosive/non-explosive obstacles on the designate route/area.

ELO: 1371-MOBL-2021a

ELO TEXT: Given the requirement, define the tenets of the IED-D framework in accordance with MCIP 3-17.01 Combine Arms Improvised Explosive Device Defeat Operations.

ELO: 1371-MOBL-2021b

ELO TEXT: Given the requirement, identify the phases of route clearance in accordance with MCIP 3-17.01 Combine Arms Improvised Explosive Device Defeat Operations.

ELO: 1371-MOBL-2021c

ELO TEXT: Given the requirement, identify the route clearance team roles and responsibilities in accordance with MCIP 3-17.01 Combine Arms Improvised Explosive Device Defeat Operations and MCRP 3-17.2D Explosive Hazard Operations.

ELO: 1371-MOBL-2021d

ELO TEXT: Given the requirement, a route/area clearance scenario, map, and references, determine the task organization to conduct route and area clearance per the scenario in accordance with MCIP 3-17.01 Combine Arms Improvised Explosive Device Defeat Operations and MCRP 3-17.2D Explosive Hazard Operations.

ELO: 1371-MOBL-2021e

ELO TEXT: Given the requirement, a route/area clearance scenario, map, and references, determine specific equipment required for the task organized teams to conduct



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route and area clearance per the scenario in accordance with MCIP 3-17.01 Combine Arms Improvised Explosive Device Defeat Operations and MCRP 3-17.2D Explosive Hazard Operations.

ELO: 1371-MOBL-2021f

ELO TEXT: Given the requirement, a route/area clearance scenario, intelligence information, map, and references, determine probable locations of explosive/non-explosive obstacles per latest intelligence information for the conduct route and area clearance per the scenario in accordance with MCIP 3-17.01 Combine Arms Improvised Explosive Device Defeat Operations and MCRP 3-17.2D Explosive Hazard Operations.

ELO: 1371-MOBL-2021g

ELO TEXT: Given the requirement, a route/area clearance scenario, concept of operations, commander's intent, map and references, develop a route clearance patrol order to conduct route sweep operations to ensure sufficient mobility to support the concept of operations and commander's intent in accordance with MCIP 3-17.01 Combine Arms Improvised Explosive Device Defeat Operations and MCRP 3-17.2D Explosive Hazard Operations.

ELO: 1371-MOBL-2021h

ELO TEXT: Given the requirement, a route/area clearance scenario, concept of operations, commander's intent, map and references, brief the route/area clearance to be conducted to locate, mark or reduce all hazards within the route/area per the leader's decision considerations, commander's intent, and the concept of operations in accordance with MCIP 3-17.01 Combine Arms Improvised Explosive Device Defeat Operations and MCRP 3-17.2D Explosive Hazard Operations.

TASK: 1371-MOBL-2022     DESC:

TLO: 1371-MOBL-2022

TLO TEXT: Given an operating environment, suspected explosive hazards, combat engineer equipment, field protective equipment and publications/ORDATA II, identify Explosive Hazards (EH) by category, country of origin, type of function, safeties and conditions.

ELO: 1371-MOBL-2022a

ELO TEXT: Given the requirement and references, define the terminology/symbols of explosive hazards in accordance with applicable references.

ELO: 1371-MOBL-2022b

ELO TEXT: Given the requirement and references, identify markers and indicators of explosive hazards in accordance with applicable references.

ELO: 1371-MOBL-2022c

ELO TEXT: Given the requirement and references, identify the characteristics of IEDs in accordance with MCWP 3-17.2 MAGTF Explosive Ordnance Disposal and other applicable references.

ELO: 1371-MOBL-2022d

ELO TEXT: With aid of references, shown types of boobytraps, identify the characteristics and components of boobytraps in accordance with applicable references.

ELO: 1371-MOBL-2022e

ELO TEXT: With aid of references, shown types of thrown munitions, identify the characteristics and components of thrown munitions in accordance with applicable references.



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ELO: 1371-MOBL-2022f

ELO TEXT: With aid of references, shown types of projected munitions, identify the characteristics and components of projected munitions in accordance with applicable references.

ELO: 1371-MOBL-2022g

ELO TEXT: With aid of references, shown types of dropped munitions, identify the characteristics and components of dropped munitions in accordance with applicable references.

ELO: 1371-MOBL-2022h

ELO TEXT: With aid of references, shown types of placed munitions, identify the characteristics and components of placed munitions in accordance with applicable references.

ELO: 1371-MOBL-2022i

ELO TEXT: With aid of references, shown types of chemicals used in home made explosives (HME), identify chemicals and components of HME in accordance with applicable references.

TASK: 1371-MOBL-2023    DESC:

TLO: 1371-MOBL-2023

TLO TEXT: Given an operating environment, a positively identified explosive hazard, combat engineer equipment, Class V, personal protective equipment, commander's decision and references, reduce Explosive Hazards (EH) by calculating, placing and detonating an explosive charge that will result in the reduction of the explosive hazard and allow for assured mobility in accordance with MCIP 3-17.1 Improvised Explosive Device (IED) Defeat.

ELO: 1371-MOBL-2023a

ELO TEXT: Given the requirement, define the Leader's Decision Considerations matrix in accordance with MCIP 3-17.01 Combined Arms Improvised Explosive Device (IED) Defeat Operations.

ELO: 1371-MOBL-2023b

ELO TEXT: Provided an Improvised Explosive Device trail, suspected explosive hazards (EH) and without references, execute the 5 C's once contact is made with an explosive hazard in accordance with MCIP 3-17.01 Combined Arms Improvised Explosive Device (IED) Defeat Operations.

ELO: 1371-MOBL-2023c

ELO TEXT: Provided an Improvised Explosive Device trail, explosive hazards (EH), engineer equipment and materials and without references, employ protective measures for suspected EH in accordance with MCIP 3-17.01 Combined Arms Improvised Explosive Device (IED) Defeat Operations.

ELO: 1371-MOBL-2023d

ELO TEXT: Provided an Improvised Explosive Device trail, explosive hazards (EH), engineer equipment and materials and without references, employ mitigation measures for suspected EH in accordance with MCIP 3-17.01 Combined Arms Improvised Explosive Device (IED) Defeat Operations.

ELO: 1371-MOBL-2023e

ELO TEXT: Provided an Improvised Explosive Device trail, explosive hazards (EH), engineer equipment and materials and references, positively identify a suspected explosive



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hazard in accordance with MCIP 3-17.01 Combined Arms Improvised Explosive Device (IED) Defeat Operations, Country Handbook and ORDATA II publication/software.

ELO: 1371-MOBL-2023f

ELO TEXT: Provided an Improvised Explosive Device trail, explosive hazards (EH), engineer equipment and materials, and references, determine the required equipment for reduction of explosive hazards in accordance with MCIP 3-17.01 Combined Arms Improvised Explosive Device (IED) Defeat Operations.

ELO: 1371-MOBL-2023g

ELO TEXT: Provided an Improvised Explosive Device trail, explosive hazards (EH), engineer equipment and materials, and references, determine what Class V is needed for reduction of an explosive hazard in accordance with MCIP 3-17.01 Combined Arms Improvised Explosive Device (IED) Defeat Operations and applicable references.

ELO: 1371-MOBL-2023h

ELO TEXT: Provided an Improvised Explosive Device trail, explosive hazards (EH), engineer equipment and materials, Class V, and references, prepare a firing system for reduction charge in accordance with MCIP 3-17.01 Combined Arms Improvised Explosive Device (IED) Defeat Operations and applicable references.

ELO: 1371-MOBL-2023i

ELO TEXT: Provided an Improvised Explosive Device trail, explosive hazards (EH), engineer equipment and materials, Class V, and references, construct a charge in order to reduce an explosive hazard in accordance with MCIP 3-17.01 Combined Arms Improvised Explosive Device (IED) Defeat Operations and applicable references.

ELO: 1371-MOBL-2023j

ELO TEXT: Provided an Improvised Explosive Device trail, explosive hazards (EH), engineer equipment and materials, Class V, and references, follow the steps of preparing for detonation to reduce explosive hazard in accordance with MCIP 3-17.01 Combined Arms Improvised Explosive Device (IED) Defeat Operations and applicable references.

ELO: 1371-MOBL-2023k

ELO TEXT: Provided an Improvised Explosive Device trail, explosive hazards (EH), engineer equipment and materials, Class V, and references, place a charge that will result in reducing the explosive hazard in accordance with MCIP 3-17.01 Combined Arms Improvised Explosive Device (IED) Defeat Operations and applicable references.

ELO: 1371-MOBL-2023l

ELO TEXT: Provided an Improvised Explosive Device trail, explosive hazards (EH), engineer equipment and materials, Class V, and references, detonate the charge to achieve high order detonation to reduce explosive obstacle in accordance with MCIP 3-17.01 Combined Arms Improvised Explosive Device (IED) Defeat Operations and applicable references.

ELO: 1371-MOBL-2023m

ELO TEXT: Provided an Improvised Explosive Device trail, explosive hazards (EH), engineer equipment and materials, Class V, and references, perform immediate action for misfires of explosive charges to reduce explosive obstacle in accordance with MCIP 3-17.01 Combined Arms Improvised Explosive Device (IED) Defeat Operations and applicable references.

ELO: 1371-MOBL-2023n

ELO TEXT: Provided an Improvised Explosive Device trail, explosive hazards (EH), engineer



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equipment and materials, and references, confirm the results of the reduction of the explosive hazard in accordance with MCIP 3-17.01 Combined Arms Improvised Explosive Device (IED) Defeat Operations and applicable references.

ELO: 1371-MOBL-2023o

ELO TEXT: Provided an Improvised Explosive Device trail, explosive hazards (EH), engineer equipment and materials, and references, retrieve remnants and components of destroyed munitions for intelligence gathering in accordance with MCIP 3-17.01 Combined Arms Improvised Explosive Device (IED) Defeat Operations and applicable references.

ELO: 1371-MOBL-2023p

ELO TEXT: Given the requirement, references and recorded data, report the required data of the explosive hazard (reduced or bypassed) in accordance with MCIP 3-17.01 Combined Arms Improvised Explosive Device (IED) Defeat Operations.

TASK: 1371-MOBL-2035    DESC:

TLO: 1371-MOBL-2035

TLO TEXT: Given an operating environment, suspected explosive hazards, a combat engineer robot, personal protective equipment and references, operate a robot to perform remote operations without injury to personnel or damage to equipment, per the operator's manual.

ELO: 1371-MOBL-2035a

ELO TEXT: Given the requirement and a route and area clearance robot, state in writing the characteristics of the robot in accordance with applicable technical manuals.

ELO: 1371-MOBL-2035b

ELO TEXT: Given a robot, a pre-operation checklist and references, conduct pre-operational checks and procedures in accordance with applicable technical manuals.

ELO: 1371-MOBL-2035c

ELO TEXT: Given a robot, an operating environment consisting of different types of terrain and obstacles, and references, determine a robot's best avenue of approach to a hazard in accordance with applicable technical manuals.

ELO: 1371-MOBL-2035d

ELO TEXT: Given a tactical scenario, robot, an operating environment consisting of different types of terrain and obstacles, and references, operate a robot in different environments and conditions in accordance with applicable technical manuals.

ELO: 1371-MOBL-2035e

ELO TEXT: Given a tactical scenario, robot, an operating environment consisting of different types of terrain and obstacles, and references, perform immediate/remedial actions in order to restore robot to operable conditions in accordance with applicable technical manuals.

ELO: 1371-MOBL-2035f

ELO TEXT: Given a tactical scenario, robot, an operating environment consisting of different types of terrain and obstacles, and references, conduct robotic reconnaissance on suspected objects in accordance with applicable technical manuals.

ELO: 1371-MOBL-2035g

ELO TEXT: Given a tactical scenario, robot, an operating environment consisting of different types of terrain and obstacles, and references, conduct the recovery of a robot to a safe area in accordance with applicable technical manuals.



LEARNING OBJECTIVE/OUTCOME REPORT

ELO: 1371-MOBL-2035h

ELO TEXT: Given a robot, cleaning material, post-operation checklist, and references, conduct post-operational checks and procedures in accordance with applicable technical manuals.

COMBAT ENGINEER PLATOON SERGEANT (WORKING)  
LEARNING OBJECTIVE/OUTCOME REPORT

DUTY: 1371-PLAN      DESC: Planning

TASK: 1371-PLAN-2001      DESC:

TLO: 1371-PLAN-2001

TLO TEXT: As a member of an operations planning team in a operating environment, given a higher headquarter's order, commander's guidance, and the reference, participate in the Marine Corps Planning Process (MCP) to produce plans and orders products which support the accomplishments of the mission and commander's intent in accordance with MCWP 5-1 Marine Corps Planning Process.

ELO: 1371-PLAN-2001a

ELO TEXT: Given an operating environment, higher headquarters order, commander's guidance and the reference, while implementing the orders process, conduct problem framing to identify all engineer requirements while participating in the Marine Corps Planning Process (MCP) and in accordance with MCWP 5-1 Marine Corps Planning Process.

ELO: 1371-PLAN-2001b

ELO TEXT: Given an operating environment, higher headquarters order, commander's guidance and the reference, while implementing the orders process, assist in the development of courses of action (COA) while participating in the Marine Corps Planning Process (MCP) and in accordance with MCWP 5-1 Marine Corps Planning Process.

ELO: 1371-PLAN-2001c

ELO TEXT: Given an operating environment, higher headquarters order, commander's guidance and the reference, assist in course of action comparison while participating in the Marine Corps Planning Process (MCP) and in accordance with MCWP 5-1 Marine Corps Planning Process.

ELO: 1371-PLAN-2001d

ELO TEXT: Given an operating environment, higher headquarters order, commander's guidance and the reference, develop required products while participating in the Marine Corps Planning Process (MCP) in accordance with MCWP 5-1 Marine Corps Planning Process.

ELO: 1371-PLAN-2001e

ELO TEXT: Given an operating environment, higher headquarters order, commander's guidance and the reference, while implementing the orders process, assist in transitioning while participating in the Marine Corps Planning Process (MCP) in accordance with MCWP 5-1 Marine Corps Planning Process.

TASK: 1371-PLAN-2002      DESC:

TLO: 1371-PLAN-2002

TLO TEXT: Given a tactical situation, a map, an operations order, size and type of unit, and references, plan a base camp to meet or exceed the unit requirements and the commander's intent, while accounting for future expansion, in accordance with MCRP 3-17.7N Base Camps.

ELO: 1371-PLAN-2002a

ELO TEXT: Given a tactical situation, a map, an operation order, commander's intent, a unit to support, as a member of a team with references, determine force protection requirements for forward operating base (FOB, COP, FARP) per the concept of operations, the commander's intent and in accordance with applicable references.



LEARNING OBJECTIVE/OUTCOME REPORT

ELO: 1371-PLAN-2002b

ELO TEXT: Given a tactical situation, a map, an operation order, commander's intent, a unit to support, as a member of a team with references, determine survivability requirements for forward operating base (FOB, COP, FARP) per the concept of operations, the commander's intent and in accordance with applicable references.

ELO: 1371-PLAN-2002c

ELO TEXT: Given a tactical situation, a map, an operation order, commander's intent, a unit to support, as a member of a team with references, determine bulk liquid (fuel and water) requirements for forward operating base (FOB, COP, FARP) per the concept of operations, the commander's intent and in accordance with applicable references.

ELO: 1371-PLAN-2002d

ELO TEXT: Given a tactical situation, a map, an operation order, commander's intent, a unit to support, as a member of a team with references, determine sustainment requirements for forward operating base (FOB, COP, FARP) to support occupying unit per the concept of operations, the commander's intent and in accordance with applicable references.

ELO: 1371-PLAN-2002e

ELO TEXT: Given a tactical situation, a map, an operation order, commander's intent, a unit to support, as a member of a team with references, determine resource requirements for forward operating base (FOB, COP, FARP) to support occupying unit per the concept of operations, the commander's intent and in accordance with applicable references.

ELO: 1371-PLAN-2002f

ELO TEXT: Given a tactical situation, a map, an operation order, commander's intent, a unit to support, as a member of a team with references, design a expeditionary camp layout for forward operating base (FOB, COP, FARP) to support occupying unit per the concept of operations, resources and equipment available, commander's intent, and in accordance with applicable references.

ELO: 1371-PLAN-2002g

ELO TEXT: Given a mission to design a military road and references, compute Average Daily Traffic (ADT) in accordance with MCRP 3-17.7A Planning and Design of Roads, Airfields, and Heliports in Theater of Operations-Road Design.

ELO: 1371-PLAN-2002h

ELO TEXT: Given a mission to design a military road and references, calculate Design Hourly Volume (DHV) in accordance with MCRP 3-17.7A Planning and Design of Roads, Airfields, and Heliports in Theater of Operations-Road Design.

ELO: 1371-PLAN-2002i

ELO TEXT: Given a mission to design a military road and references, establish geometric controls in accordance with MCRP 3-17.7A Planning and Design of Roads, Airfields, and Heliports in Theater of Operations-Road Design.

ELO: 1371-PLAN-2002j

ELO TEXT: Given a mission to design a military road and references, determine structural design in accordance with MCRP 3-17.7A Planning and Design of Roads, Airfields, and Heliports in Theater of Operations-Road Design.

ELO: 1371-PLAN-2002k

ELO TEXT: Given a mission to design a military road and references, develop a maintenance plan in accordance with MCRP 3-17.7A Planning and Design of Roads, Airfields,



Date: 20150604

COMBAT ENGINEER PLATOON SERGEANT (WORKING)  
LEARNING OBJECTIVE/OUTCOME REPORT

and Heliports in Theater of Operations-Road Design.



COMBAT ENGINEER PLATOON SERGEANT (WORKING)  
LEARNING OBJECTIVE/OUTCOME REPORT

DUTY: 1371-SURV      DESC: Survivability

TASK: 1371-SURV-2002      DESC:

TLO: 1371-SURV-2002

TLO TEXT: Given a tactical situation, a map, an operations order, the supported unit's T/O and T/E, and references, prepare a survivability plan that details the scope of engineer effort required to provide a level of force protection commensurate with enemy threat capabilities and the commander's intent and MCWP 3-17 Engineer Operations.

ELO: 1371-SURV-2002a

ELO TEXT: Given a tactical scenario, mission statement, commander's intent, a map and references, analyze METT-T from a survivability standpoint consistent with the commander's intent per the applicable references.

ELO: 1371-SURV-2002b

ELO TEXT: Given a tactical situation, a map, an operations order, the supported unit's T/O and T/E, and references, prepare a survivability plan that details the scope of engineer effort required to provide a level of force protection commensurate with enemy threat capabilities and the commander's intent per applicable references.

ELO: 1371-SURV-2002c

ELO TEXT: Given a tactical scenario, mission statement, commander's intent, a map and references, recommend the location of a survivability site to maximize the protective effects of terrain, consistent with the commander's intent per applicable references.

ELO: 1371-SURV-2002d

ELO TEXT: Given a tactical scenario, mission statement, commander's intent, a map and references, develop a concept of survivability operations consistent with the commander's intent per applicable references.

ELO: 1371-SURV-2002e

ELO TEXT: Given a tactical scenario, mission statement, commander's intent, a map and references, determine logistical requirements to support the survivability concept of operations per applicable references.

ELO: 1371-SURV-2002f

ELO TEXT: Given a tactical scenario, mission statement, commander's intent, a map and references, prepare a survivability appendix to the operation order consistent with the commander's intent per applicable references.



COMBAT ENGINEER PLATOON SERGEANT (WORKING)  
LEARNING OBJECTIVE/OUTCOME REPORT

DUTY: 1371-VERT      DESC: Vertical Construction

TASK: 1371-VERT-2001      DESC:

TLO: 1371-VERT-2001

TLO TEXT: Provided specifications, writing/sketching materials, a calculator, and references, plan wood frame structure to conform to the construction drawings, blueprints, or specifications; and that identifies the type of materials and proper spacing; and support all loads considered in accordance with MCRP 3-17.7C Carpentry.

ELO: 1371-VERT-2001a

ELO TEXT: Given construction drawings, blueprints or specifications, analyze the design drawings to determine critical dimensions and design specifications in accordance with MCRP 3-17.7C Carpentry.

ELO: 1371-VERT-2001b

ELO TEXT: Given construction drawings, blueprints or specifications, a calculator, and a blank materials take-off sheet, develop in writing the required amount of material needed for a temporary structure per the drawing specifications while keeping within established waste parameters in accordance with MCRP 3-17.7C Carpentry and other applicable references.

ELO: 1371-VERT-2001c

ELO TEXT: Given construction drawings, blueprints or specifications, a calculator, and a blank materials take-off sheet, develop in writing a Bill of Materials (BOM) for a temporary structure based off the materials take-off sheet in accordance with MCRP 3-17.7C Carpentry and other applicable references.