

Training and Evaluation Outline Report

Status: Approved

20 May 2015

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Task Number: 05-PLT-5406

Task Title: Perform Structural Firefighting Operations

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Destruction Notice: None

Foreign Disclosure: FD1 - This training product has been reviewed by the training developers in coordination with the Fort Leonard Wood, MO MSCoE foreign disclosure officer. This training product can be used to instruct international military students from all approved countries without restrictions.

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	ATP 5-19 (Change 001 09/08/2014 78 Pages)	RISK MANAGEMENT http://armypubs.army.mil/doctrine/DR_pubs/dr_a/pdf/atp5_19.pdf	Yes	No
	NFPA STDS AND REGS	National Fire Protection Association Standards and Regulations	Yes	Yes
	TM 3-34.30	Firefighting	Yes	No

Conditions: The fire alarm communications center (FACC) is notified of a structural fire emergency. The pre-fire plans for the area of operations (AO), current grid maps of the AO and unit firefighting standing operating procedure (SOP) are available. All assigned personnel and equipment are available.

Note: The Commander must still determine at what level of training they would want the element to perform. Crawl, walk or run. This can only be determined after consideration as to the units training level.

The Commander prior to evaluating an element in the conduct of the task must determine if it will be conducted in a Live, Virtual, or Constructive environment, additionally it must also be determined which condition as described below that the element will conduct the task. The selection made for this task is at a trained level of proficiency. The commander must determine which of the environments below will best suit the unit and the proficiency level at which the unit is. When conducting crawl or walk level training units should not increase the intensity until the unit has achieved the standards and then unit trainers should include variables that increase proficiency in all conditions.

Note: The condition statement for this task is written assuming the highest training conditions reflected on the Task Proficiency matrix required for the evaluated unit to receive a "fully trained" (T) rating.

Note: Condition terms definitions:

Dynamic Operational Environment: Three or more operational and two or more mission variables change during the execution of the assessed task. Operational variables and threat Tactics, Techniques, and Procedures (TTPs) for assigned counter-tasks change in response to the execution of Blue Forces (BLUFOR) tasks.

Complex Operational Environment: Changes to four or more operational variables impact the chosen friendly COA/mission. Brigade and higher units require all eight operational variables of Political, Military, Economic, Social, Infrastructure, Information, Physical environment, and Time (PMESII-PT) to be replicated in varying degrees based on the task being trained.

Single threat: Regular, irregular, criminal or terrorist forces are present.

Hybrid threat: Diverse and dynamic combination of regular forces, irregular forces, and/or criminal elements all unified to achieve mutually benefiting effects.

This task should not be trained in MOPP 4.

Standards: The engineer fire and emergency services (F&ES) team performs structural firefighting operations in accordance with current national fire protection association (NFPA) standards and guidelines, rescuing all personnel in danger, protecting other structures and property, confining the fire to the smallest possible area and ultimately extinguishing the fire. The team accomplishes this task without causing injury or death to its assigned members and prevents further structures from burning.

Note: Leaders are defined as the Commander, Executive Officer, First Sergeant, Operations Sergeant, Platoon Leaders, Platoon Sergeants, Squad Leaders, and Team Leaders.

Live Fire Required: No

Objective Task Evaluation Criteria Matrix:

Plan and Prepare		Execute					Assess		
Operational Environment	Squad & Platoon	Training Environment (LV/C)	Training/Authorized % of Leaders Present at	% of Soldiers Present at	External Eval	% Performance Measures 'GO'	% Critical Performance Measures 'GO'	% Leader Performance Measures 'GO'	Task Assessment
Dynamic (Single Threat)	Night	IAW unit CATS statement.	>=85%	>=80%	Yes	>=91%	All	>=90%	T
			75-84%			80-90%		80-89%	T-
Static (Single Threat)	Day		65-74%	75-79%	No	65-79%	<All	<=79%	P
			60-64%	60-74%		51-64%			P-
			<=59%	<=59%		<=50%			U

Remarks: None

Notes: All required references and technical manuals will be provided by the local command.

Safety Risk: Extremely High

Task Statements

Cue: None

DANGER

Exercise extreme caution while combating structural fires. The firefighter may encounter booby traps, explosive hazards (EH), holes cut in the floor, and so forth that can hinder or prevent fire extinguishment. Place crew safety first and foremost. Failure to comply may result in death or permanent injury.

Leaders have an inherent responsibility to conduct Risk Management to ensure the safety of all Soldiers and promote mission accomplishment.

WARNING

Risk management is the Army's primary decision-making process to identify hazards, reduce risk, and prevent both accidental and tactical loss. All Soldiers have the responsibility to learn and understand the risks associated with this task.

CAUTION

Identifying hazards and controlling risks across the full spectrum of Army functions, operations and activities is the responsibility of all Soldiers.

Performance Steps and Measures

NOTE: Assess task proficiency using the task evaluation criteria matrix.

NOTE: Asterisks (*) indicate leader steps; plus signs (+) indicate critical steps.

STEP/MEASURE	GO	NO-GO	N/A
+ 1. The fire alarm communications center (FACC) operator gathers as much detail as possible concerning the structural fire, to include location, number of structures and whether or not the structures are occupied.			
+* 2. The senior fire officer (SFO) performs an initial size-up of the situation from pre-fire plans and details provided in the alarm dispatch.			
+* 3. The SFO supervises the engineer F&ES team preparations for structural firefighting operations.			
+ a. Ensures F&ES team personnel don personal protective equipment (PPE) before boarding the fire truck.			
+ b. Supervises buddy checks of personnel and PPE.			
+ c. Confirms accountability of all personnel on the truck.			
+* 4. The SFO deploys the engineer F&ES team to the structural fire emergency site.			
a. Directs the driver to take the quickest route to the incident site.			
b. Positions the vehicle in the most advantageous position for fighting the fire, or as directed.			
+* 5. The SFO takes charge of the scene upon arrival.			
+ a. Ensures engineer F&ES teams can safely perform and affect both a rescue and fire suppression effort without delay or impediment by bystanders.			
+ b. Transmits a condition or arrival report by radio to the FACC and implements the incident command system.			
+ c. Evaluates the emergency.			
(1) Sizes up the situation from visual indicators upon arrival at the scene.			
(2) Develops an operational plan by considering the following factors:			
(a) Rescue procedures and possible extrication of both victims and possibly rescuers in the structure.			
(b) Exposure protection to limit the fire or other emergency to the property or area of origin where the emergency began.			
(c) Confinement of the fire or emergency to the smallest possible area within the property of origin.			
(d) Extinguishment of the fire.			
(e) Overhaul activities to restore the incident scene to as nearly as normal a condition as possible before the incident.			
(f) Ventilation to control or modify the environment and spread of fire within a structure.			
(g) Salvage activities to minimize damage and potential loss to the structure and its contents.			
+ d. Establishes on-scene accountability system.			
(1) Monitors safety of crews and locations within the structure.			
(2) Calls for personnel accountability reports in accordance with unit SOP.			
+ 6. The SFO implements the operational decisions.			
a. Establishes goals and objectives.			
b. Assigns resources commensurate to the situation.			
+ c. Considers and requests any additional necessary resources, such as technical rescue teams or F&ES teams from other base camps or stations in the AO.			
+ d. Establishes a personnel rehabilitation station and self-contained breathing apparatus (SCBA) service point on-scene if it appears the incident will be protracted or has the potential to be a long-term activity.			
e. Continues to size up the situation throughout the duration of the incident and adjusts plans of action as necessary.			
+ 7. The engineer F&ES team uses established firefighting tactics and techniques to meet identified tactical benchmarks during the fire emergency.			
+ 8. The SFO terminates command once the incident is mitigated or the incident scene is at a point it can be turned over to the property owner or outside agencies.			
a. Announces termination of command over the radio for the FACC to log.			
+ b. Directs units released from the incident to refit on-scene and announce status when back in service.			
+ c. If turning the scene over to another agency or the structure owner, the SFO and the person assuming responsibility fill out and sign a chain of custody or property release form.			
+ d. If an investigation will occur, the lead investigator assumes responsibility for the property.			
+ e. Determines whether or not to release property in case a fire watch is necessary.			
+ 9. The engineer F&ES team conducts recovery operations.			
+ a. Conducts preventive maintenance checks and services (PMCS) on all equipment and PPE.			
b. Inventories and stores all assigned equipment and PPE in accordance with unit SOP.			
10. The engineer F&ES team conducts an after action review (AAR).			

+* 11. The SFO completes and submits reports in accordance with unit SOP or other guidance from higher HQ.

TASK PERFORMANCE / EVALUATION SUMMARY BLOCK

ITERATION	1	2	3	4	5	M	TOTAL
TOTAL PERFORMANCE MEASURES EVALUATED							
TOTAL PERFORMANCE MEASURES GO							
TRAINING STATUS GO/NO-GO							

ITERATION: 1 2 3 4 5 M

COMMANDER/LEADER ASSESSMENT: T P U

Mission(s) supported: None

MOPP 4: Never

MOPP 4 Statement: None

NVG: Never

NVG Statement: None

Prerequisite Collective Task(s):

Step Number	Task Number	Title	Proponent	Status
	05-PLT-5412	Perform Mission Command Over Firefighting Teams	05 - Engineers (Collective)	Approved

Supporting Collective Task(s):

Step Number	Task Number	Title	Proponent	Status
3.	71-CO-5100	Conduct Troop Leading Procedures for Companies	71 - Combined Arms (Collective)	Approved
11.	05-CO-0018	Conduct Report Procedures	05 - Engineers (Collective)	Approved

OPFOR Task(s):

Task Number	Title	Status
71-2-9002	OPFOR Ambush(Company and below)	Approved
71-CO-9004	OPFOR Reconnaissance Attack (Company and below)	Approved

Supporting Individual Task(s):

Step Number	Task Number	Title	Proponent	Status
	052-249-1102	Perform Fire Pump Operations	052 - Engineer (Individual)	Approved
	052-249-1103	Don Protective Clothing	052 - Engineer (Individual)	Approved
	052-249-1111	Load a Hose	052 - Engineer (Individual)	Approved
	052-249-1112	Conduct Hose Lays	052 - Engineer (Individual)	Approved
	052-249-1113	Advance a Hose Line	052 - Engineer (Individual)	Approved
	052-249-1114	Operate a Nozzle	052 - Engineer (Individual)	Approved
	052-249-1118	Conduct Ventilation Procedures	052 - Engineer (Individual)	Approved
	052-249-1121	Conduct Salvage Operations	052 - Engineer (Individual)	Approved
	052-249-1122	Conduct Overhaul Operations	052 - Engineer (Individual)	Approved
	052-249-1124	Calculate Pump Operating Pressure	052 - Engineer (Individual)	Approved
	052-249-1131	Perform Rescue Carries	052 - Engineer (Individual)	Approved
	052-249-1134	Maintain Ladders	052 - Engineer (Individual)	Approved
	052-249-1135	Service Fire Extinguishers	052 - Engineer (Individual)	Approved
	052-249-1136	Operate a Fire Extinguisher	052 - Engineer (Individual)	Approved
	052-249-1137	Operate a Self-Contained Breathing Apparatus	052 - Engineer (Individual)	Approved
	052-249-1149	React to Various Fire Behaviors	052 - Engineer (Individual)	Approved
	052-249-1150	Perform Preventive-Maintenance Checks and Services on Fire Hydrants	052 - Engineer (Individual)	Approved
	052-249-1153	Perform Sprinkler System Applications	052 - Engineer (Individual)	Approved
	052-249-1162	Perform Hose Load Finishes	052 - Engineer (Individual)	Approved
	052-249-1170	Employ Ladders on an Incident Scene	052 - Engineer (Individual)	Approved
	052-249-1174	Conduct Search and Rescue Operations in a Structure	052 - Engineer (Individual)	Approved
	052-249-1175	Conduct Search and Rescue Operations in a Multistory Structure	052 - Engineer (Individual)	Approved
	052-249-2101	Test a Fire Hose	052 - Engineer (Individual)	Approved
	052-249-2108	Respond to a Structural Fire	052 - Engineer (Individual)	Approved
	052-249-2113	Manage a Personnel Accountability System	052 - Engineer (Individual)	Approved
	052-249-2120	Determine the Construction Classification of a Structure	052 - Engineer (Individual)	Approved
	052-249-2121	Determine the Stability of a Damaged Structure	052 - Engineer (Individual)	Approved
	052-249-3101	Maintain Records and Reports	052 - Engineer (Individual)	Approved
	052-249-3103	Prepare a Building Prefire Plan	052 - Engineer (Individual)	Approved
	052-249-3104	Supervise a Structural Firefighting Operation	052 - Engineer (Individual)	Approved
	052-249-4112	Perform Incident Command of a Structural Fire Scene	052 - Engineer (Individual)	Approved
c.	052-249-2121	Determine the Stability of a Damaged Structure	052 - Engineer (Individual)	Approved
c.	052-249-2120	Determine the Construction Classification of a Structure	052 - Engineer (Individual)	Approved

Supporting Drill(s): None

Supported AUTL/UJTL Task(s):

Task ID	Title
ART 6.6.1.7.1	Provide General Firefighting

TADSS

TADSS ID	Title	Product Type	Quantity
05-GFT-0504	Convoy Security (MP Platoon)	GFT	1

Equipment (LIN)

LIN	Nomenclature	Qty
HA1004	Nozzle Fire Hose	1
HA1095	Truck, Fire Fighting	1
X44701	Truck Fire Fight: Powered Pumper 750 to 1250 GPM	1

Material Items (NSN)

NSN	LIN	Title	Qty
No materiel items specified			

Environment: Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to the current Environmental Considerations manual and the current GTA Environmental-related Risk Assessment card. .

Safety: In a training environment, leaders must perform a risk assessment in accordance with ATP 5-19, Risk Management. Leaders will complete the current Deliberate Risk Assessment Worksheet in accordance with the TRADOC Safety Officer during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination. .