

# Training and Evaluation Outline Report

**Status: Approved**

**12 Aug 2022**

**Effective Date: 12 Aug 2022**

**Task Number:** 17-CW-8025

**Task Title:** Dismount Long Range Advanced Scout Surveillance System on a Vehicle - Crew

**Distribution Restriction:** Approved for public release; distribution is unlimited.

**Destruction Notice:** None

**Foreign Disclosure: FD3** - This training product has been reviewed by the developers in coordination with the MCoE G2 foreign disclosure officer. This training product cannot be used to instruct international military students.

## Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary	Source Information
	ATP 3-20.98	Scout Platoon	Yes	Yes	
	TM 11-5855-310-12&P-1 (Change 002, August 15, 2013)	OPERATOR'S AND UNIT MAINTENANCE MANUAL (INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST) SURVEILLANCE SYSTEM, SCOUT, LONG RANGE AN/TAS-8(V)1 (NSN 5855-01-458-2229) AND AN/TAS-8A(V)1 (5855-01-534-3063) (EIC: N/A) <a href="https://www.logsa.army.mil">https://www.logsa.army.mil</a>	Yes	No	
	TM 11-5855-310-12&P-2 (Change 001, May 15, 2013)	OPERATOR'S AND UNIT MAINTENANCE MANUAL (INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST) SURVEILLANCE SYSTEM, SCOUT, LONG RANGE AN/TAS-8(V)2 (NSN: 5855-01-515-9547) AND AN/TAS-8A(V)2 (5855-01-534-3724) (EIC: N/A) <a href="https://www.logsa.army.mil">https://www.logsa.army.mil</a>	Yes	No	
	TM 9-2355-311-10-4-1	OPERATOR'S MANUAL, VOLUME 1 OF 4, COMMANDER'S VEHICLE (CV) M1130 (2355-01-481-8573) (EIC: AFK) STRYKER	Yes	No	
	TM 9-2355-311-10-5-1	OPERATOR'S MANUAL, VOLUME 1 OF 4, RECONNAISSANCE/SCOUT VEHICLE (RV) M1127 (2355-01-481-8572) (EIC: AFG) STRYKER	Yes	No	

**Conditions:** The crew is conducting operations in a live training environment as a part of a platoon or larger force. The crew is required to dismount the Long Range Advance Scout Surveillance System (LRAS3) from a vehicle. The crew is conducting operations at night in a dynamic operational environment against a single threat. All necessary personnel and equipment are available. The crew has communications with higher and adjacent elements. The crew has guidance on the rules of engagement (ROE).

**Dynamic Operational Environment:** Three or more operational and two or more mission variables change during the execution of the assessed task.

**Single Threat:** Regular, irregular, criminal, or terrorist forces. This task should not be trained in MOPP 4.

**Standards:** The crew dismounts the LRAS3 according to ATP 3-20.98 and technical manuals (TM). The crew mounts the command variant (CV) vehicle/reconnaissance vehicle (RV) davit, disconnects the mounted power and signal cables, prepares the mounted yoke and removes the LRAS3 from the CV/RV. Once the LRAS3 is removed, the crew stows the LRAS3 and davit. All safety precautions are observed to prevent personnel injury or damage to the vehicle or its equipment. The crew complies with the ROE.

The crew has 1 of 1 (75%) of the leaders and 80% of the Soldiers present at training against the crew's authorized strength. The crew attains 80% on performance measures, 100% on critical performance measures, and 85% on leader performance measures achieving a fully trained (T) rating.

**Note:** Crew leader is the vehicle commander (VC).

**Live Fire:** No

**Objective Task Evaluation Criteria Matrix:**

Plan and Prepare		Execute					Evaluate		
Operational Environment	Training Environment (L/V/C)	% Leaders present at training/authorized	% Present at training/authorized	External evaluation	Performance measures	Critical performance measures	Leader performance measures	Evaluator's observed task proficiency rating	Commander's assessment
SQD & PLT									
Dynamic (Single Threat)	Night	>=75%	>=80%	Yes	>=80% GO	All	>=85% GO	T	T
Static (Single Threat)	Day	60-74%	60-79%	No	65-79% GO	<All	75-84% GO	P	P
		<=59%	<=59%		<65% GO		<=74% GO	U	U

Remarks: .

Notes: .

Safety Risk: Low

**Task Statements**

**Cue:** The VC orders the crew to dismount the LRAS3 from the vehicle.

**DANGER**

None

**WARNING**

Do not lift any objects other than the LRAS3 or mounted yoke with the davit. Injury to personnel or damage to equipment or the command variant (CV) or the reconnaissance (RV) may result.

Two persons are required to lift the LRAS3 or the mounted yoke. They should be lifted as individual components.

**CAUTION**

None

## 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
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#### Plan

1. The crew gains and maintains situational understanding using available communications equipment, maps, intelligence summaries, situation reports, and other available intelligence sources.

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#### Prepare

\* 2. The VC and crew prepares to dismount the LRAS3, as follows:

a. VC ensures crew has appropriate technical manuals with updates posted, and all basic issue items.

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b. The crew ensures the vehicle wheels are chocked.

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#### Execute

+ 3. The crew dismounts the LRAS3, as follows:

a. Mount davit.

- (1) Power up cupola.
- (2) Traverse cupola to ensure that LRAS3 cupola mounting point is at 9 o'clock position.
- (3) Engage cupola lock.
- (4) Power down cupola.
- (5) Power down LRAS3.
- (6) Set ON/OFF switch on vehicle power conditioner (VPC) to OFF.

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b. Mount Single-piece davit.

- (1) Remove davit from stowed position and mount on roof of vehicle, as follows:
  - (a) Remove retaining pin that secures davit mount in stowed position.
  - (b) Lift davit mount to upright position and insert retaining pin into hole.
  - (c) Insert davit into davit mount, with pulley, over LRAS3.

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- (2) Crank winch handle counter-clockwise until davit cable is slack.
- (3) Remove lifting hook from stowed position on davit.
- (4) Crank winch handle clockwise to verify that winch brake is functioning correctly.
- (5) Crank winch handle counter-clockwise until davit cable is one foot above LRAS3.
- (6) Remove spreader bar from stowage and install on lifting hook.

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c. Mount dual-piece davit.

- (1) Remove mast assembly and boom assembly from stowage.
- (2) Install mast assembly in mast mounting bracket.
- (3) Install boom assembly in mast assembly. Rotate boom assembly over LRAS3.
- (4) Crank winch handle counter-clockwise until davit cable is slack.
- (5) Remove lifting hook from stowed position on mast assembly.
- (6) Crank winch handle clockwise to verify that winch brake is functioning correctly.
- (7) Crank winch handle counter-clockwise until lifting hook is one foot from the top of the LRAS3.
- (8) Remove spreader bar from stowage and install on lifting hook.

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(9) Open ramp.

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d. Disconnect the power cable and signal cable.

- (1) Disconnect power cable from J1 connector on LRAS3.
- (2) Install dust cover on J1 connector on LRAS3.
- (3) Disconnect signal cable from J2 connector on LRAS3.
- (4) Install dust cover on J2 connector on LRAS3.
- (5) Install lens cover on LRAS3.

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e. Prepare yoke for LRAS3 removal.

- (1) Unlock yoke in elevation position by pulling out and turning elevation travel lock ring.
- (2) Unlock elevation trunnion brake knob by turning it fully counter-clockwise.
- (3) Rotate LRAS3 in elevation until trunnion latches are in up position and LRAS3 is level.
- (4) Lock trunnion latches in elevation by turning elevation travel lock ring to release spring lock. Move LRAS3 slowly in elevation until spring lock engages.
- (5) Lock elevation trunnion brake knob by turning it fully clockwise.
- (6) Unlock yoke in azimuth by pulling out and turning azimuth travel lock ring.
- (7) Unlock azimuth break knob by turning it fully counter-clockwise.
- (8) Rotate yoke to ensure that azimuth brake knob is in the 9 o'clock position.
- (9) Release and rotate trunnion latches to open position.

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Task Performance Summary Block										
Training Unit			ITERATION							
			1		2		3		4	
Date of Training per Iteration:										
Day or Night Training:			Day / Night		Day / Night		Day / Night		Day / Night	
			#	%	#	%	#	%	#	%
Total Leaders Authorized		% Leaders Present								
Total Soldiers Authorized		% Soldiers Present								
Total Number of Performance Measures		% Performance Measures 'GO'								
Total Number of Critical Performance Measures		% Critical Performance Measures 'GO'								
Live Fire, Total Number of Critical Performance Measures		% Critical Performance Measures 'GO'								
Total Number of Leader Performance Measures		% Leader Performance Measures 'GO'								
MOPP LEVEL										
Evaluated Rating per Iteration T, P, U										

**Mission(s) supported:** None

**MOPP 4:** Never

**MOPP 4 Statement:** None

**NVG:** Never

**NVG Statement:** None

**Prerequisite Collective Task(s):** None

**Supporting Collective Task(s):**

Step Number	Task Number	Title	Proponent	Status
3.	17-CW-8020	Mount Long Range Advanced Scout Surveillance System on a Vehicle - Crew	17 - Armor (Collective)	Approved

**OPFOR Task(s):**

Task Number	Title	Status
71-CO-8505	OPFOR Execute Reconnaissance	Approved

**Supporting Individual Task(s):**

Step Number	Task Number	Title	Proponent	Status
	071-217-0025	Operate the Ramp from the Drivers Station on a Stryker Vehicle	071 - Infantry (Individual)	Approved
	071-217-0026	Operate the Ramp from the Troop Station on a Stryker Vehicle	071 - Infantry (Individual)	Approved
	091-91S-1058	Maintain the Cupola on the Stryker Vehicle	091 - Ordnance (Individual)	Approved
	171-134-0004	Operate the Long Range Advanced Scout Surveillance System (LRAS3)	171 - Armor (Individual)	Approved
	171-134-0007	Remove the Long Range Advanced Scout Surveillance System (LRAS3) from a High Mobility Multipurpose Wheeled Vehicle (HMMWV)	171 - Armor (Individual)	Approved
	171-157-0001	Install Long Range Advanced Scout Surveillance System (LRAS3) on a Reconnaissance Vehicle (RV)	171 - Armor (Individual)	Approved
	171-157-0002	Remove Long Range Advanced Scout Surveillance System (LRAS3) from Reconnaissance Vehicle (RV)	171 - Armor (Individual)	Approved

**Supporting Drill(s):** None

**Supported AUTL/UJTL Task(s):**

Task ID	Title
ART 5.1.2	Prepare for Tactical Operations

**TADSS**

TADSS ID	Title	Product Type	Quantity
71-02/15/1	Reconfigurable Vehicle Simulator (RVS) System Bay Assembly	DVC	1

**Equipment (LIN)**

LIN	Nomenclature	Qty
No equipment specified		

**Materiel 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 current Risk Management Doctrine. 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 current CBRN doctrine. .