

LibMAS 06.10

Annex B

Second Edition: January 2017

TRAINING SESSION PLAN (EXAMPLE)

Responsible National entity:

Libyan Mine Action Centre (LibMAC)
mandated by the Ministry of Defence (MOD)

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NOTE:

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1. Introduction

- a. This Annex provides an example of a session plan for formal basic demining training for future deminers.
- b. Mine Action Organisations should develop session plans (or similar) for formal mine action relating training in Libya.

Training: Formal basic demining training for future Deminers – 11-15 February 2008

Training objective: Operate and maintain current (A and B) metal detectors safely (see Annex A, 1.5)

Training session: Operate metal detector A safely

Date of session: 12 February 2008

Time for session: 8.00 – 12.00

Location: Class room and mine training field at mine action training centre

Number of trainees: 25

Time	Method for lesson	Content and Activity of lesson	Teaching points	Equipment/Support/references
8.00-9.00	Lecture, discussion and Q&A	Theoretical session on mechanics of the metal detectors.	1. Packaging of metal detectors for storage.	Equipment: 1. Metal detectors complete with batteries and test piece (if required). One detector per two trainees 2. Lane marking equipment. Pegs, tape and hammer 3. Metallic objects for trainees to locate 4. Marking materials for marking readings 5. Tape measure Support: Five Instructors. See test instruction for staff assistance during testing References: Current metal detector SOPs.
9.00-10.00	Practical demonstration in class room	First take apart both detectors, demonstrate mechanical functioning as well as parts and components. Second, ask trainees to reassemble both detectors.	2. Identify parts of metal detector. Includes the serial numbers. Cover the importance of keeping serial numbered parts together. Cover battery maintenance regime (rechargeable batteries) or replacement regime (disposable batteries).	
10.00-10.30	Coffee break		3. Set up for operation. Assembly with batteries. Cover use of the earpiece/headphones (when supplied). Demonstrate range of signals, when possible.	
10.30-12.00	Practical demonstration of metal detectors in mine training field	Demonstrate how to operate the detector in practice mine clearance lane.	4. Setting sensitivity, sound volume and testing of metal detectors against test piece. Preparation metal detector for operations following sequence in manufacturer's guide or detailed SOPs.	
	Practice with Metal detectors	Trainees clear lane with practice mines while	5. Cover frequency of testing required to ensure confidence in performance. Periodic recalibration and testing is required during a working day, and can be critical in areas with high temperature variation over the working period. The same is true when moving between varied soil conditions, either wet or dry, and over areas with variable electromagnetic disturbance. 6. Determining the rate of search-head advance; explain the area searched under the search-head and how the shape and depth of the area interrogated varies according to the target 7. Operation in clearance lane: a. Speed of search-head movement (especially when using	

		using the metal detector A.	<ul style="list-style-type: none"> a detector in "dynamic" mode. b. Height of search-head above ground c. Minimum distance between working metal detectors. (This distance will vary between detector models, and some models can switch frequency to avoid any interference.) d. Overlapping lane sides e. Moving forward in the lane (Rate of search-head advance.) f. Detection positions, standing, squatting or kneeling. 8. Pinpointing and marking indications Remind trainees of safety requirements (training objective 1.1.2)	
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	Title	Doc. Number
Documents	1. Metal detector operations and service manual and/or relevant section of SOPs. (metal detector manuals are guidelines and should be adapted and expanded as required.) 2. Operations SOPs.	1. metal detector manual 2. SOP
Audio Visual materials	Power Point presentation on mechanics to support theoretical session on mechanics of the metal detector and its principle of operation (static/dynamic/switch-able); search-head configuration (loop/double-D); and the area interrogated under the ground surface related to the targets being sought (dictates search-head advance).	1. PowerPoint presentation 2. Videos
Other materials needed	Flipchart and crayons	1. charts 2. diagrams
Remarks	Correct use of the metal detectors is to be monitored during the practical exercises conducted during the training	
Observations		