



# EHAT Lesson 2.7: Mine Awareness



# Overview

2.7.1 Mine Awareness

2.7.2 Actions On



# Terminal Learning Objectives

At the end of this lesson, the participants will be able to describe the likely locations and indicators of minefields. The participants will be able to recall what measure can be taken to avoid minefields and demonstrate the actions taken when encountering a mined area.



## 2.7.1 Mine Awareness

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# Mine Awareness

## Mines Revision

What are the two main categories of land mines?

- *Anti-personnel and anti-vehicle/tank*

What are the four main types of anti-personnel mines?

- *Blast, Fragmentation, Bounding, Directional Fragmentation*

What are the two types of anti-vehicle mine?

- *Blast, Shape charge*



# Mine Awareness

## Likely Areas

- Border locations
- Former confrontation lines
- Strategic military sites
- Abandoned Buildings
- Former Military Positions
- Feeder Roads & Flanks of MSR's





# Mine Awareness

## Likely Areas – Borders



# Mine Awareness

## Likely Areas – Confrontation Lines





# Mine Awareness

## Likely Areas – Strategic Military Sites



# Mine Awareness

## Likely Areas – Abandoned Buildings





# Mine Awareness

## Likely Areas – Former Military Positions



# Mine Awareness

## Likely Areas – Feeder Roads and Tracks



# Mine Awareness

**Likely Areas – Hill Tops and High Ground**





# Mine Awareness

## Warning Signs

### Official Warning Signs

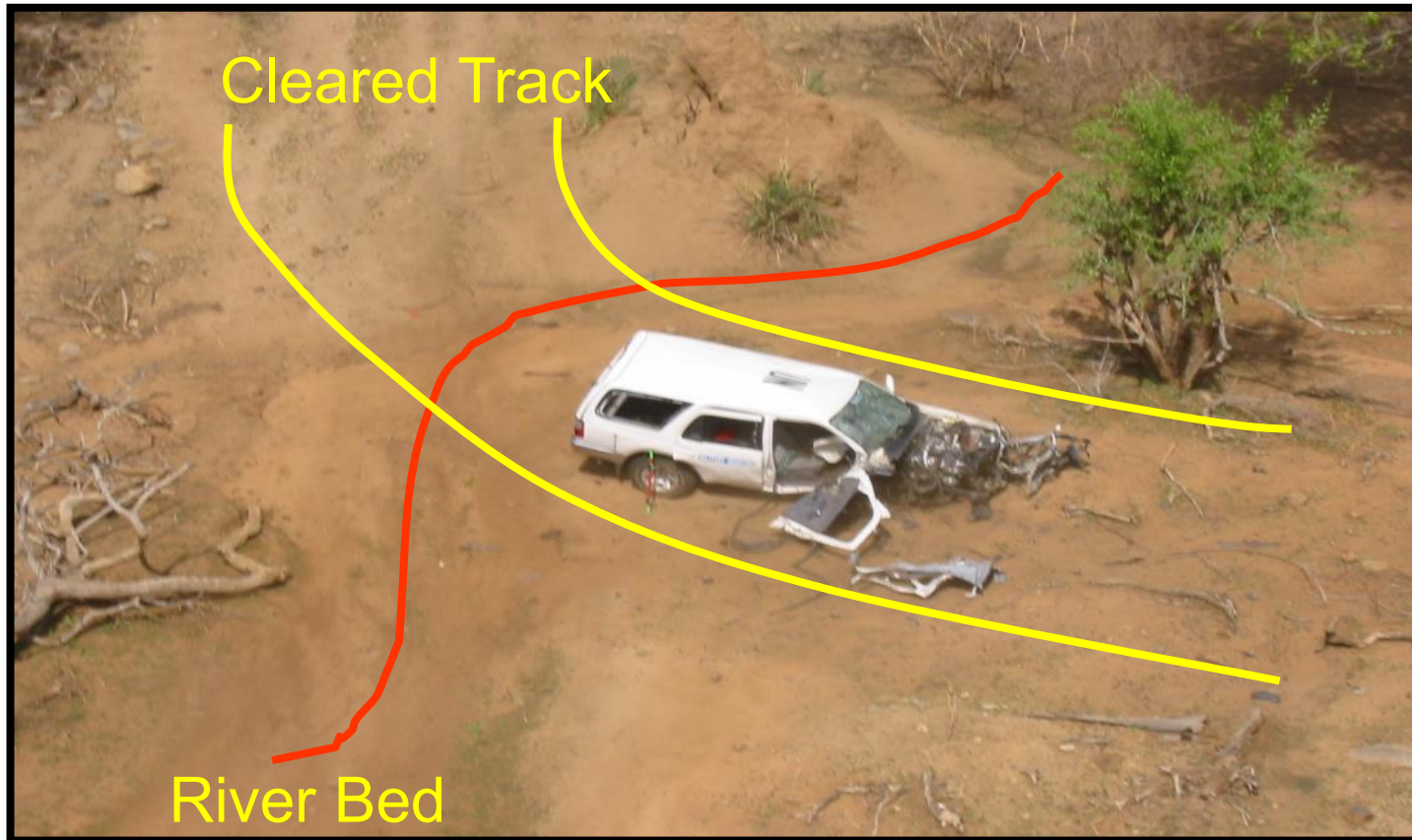


### Unofficial (Improvised) Warning Signs



# Mine Awareness

## Minefield Migration



# Mine Awareness

## Preventative Measures

- DO NOT leave hard-standings
- DO NOT park or drive on verges
- DO NOT drive on un-cleared routes
- DO NOT enter un-cleared buildings
- DO NOT pick up souvenirs
- DO NOT become a military tourist





# Mine Awareness

## Preventative Measures – Do not leave hard standing



# Mine Awareness

**Preventative Measures – Do not park/drive on road verges**





# Mine Awareness

## Preventative Measures – Do not use uncleared routes



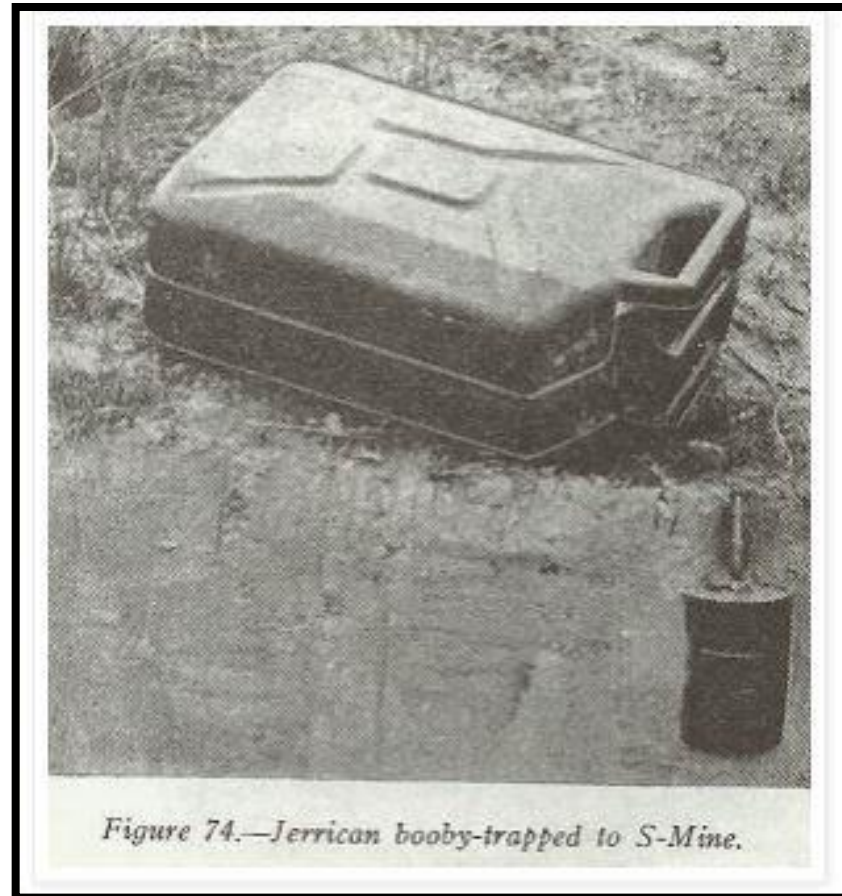
# Mine Awareness

**Preventative Measures – Do not enter uncleared buildings**



# Mine Awareness

**Preventative Measures – Do not touch random/attractive items**



# Mine Awareness

**Preventative Measures – Do not be a military tourist**





## 2.7.2 Actions On

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# Actions On

## M.I.N.E.D.

Remember **MINED**

**M** – Movement Stops

**I** – Inform Others

**N** – Note the Area

**E** – Evaluate your Course of Action

**D** – Do Not Move



# Actions On

## Conditions For Extraction

- Life Threatening Situation – under attack
- No help coming
- Need to treat a injured person



# Actions On

## Extraction Methods

- Use of metal/mine detectors
- Prodding
- Re-tracing steps
- Re-tracing vehicle tracks





# Actions On

## Extraction Kits



## Extraction Kits





# Actions On

## Emergency Extraction – Prodding

**LOOK**



**FEEL**



**PROD**

# Actions On

## Emergency Extraction – Prodding



# LOOK

Without moving your feet  
**look** at the ground in front  
of you for any visible signs  
of mines, mine parts,  
ground sign or  
disturbance.

Do not attempt to turn round or check between your feet

If you can at this stage place on some eye protection



# Actions On

## Emergency Extraction – Prodding

**In front of you create a box using white markers big enough for you to step into**



**Do not attempt to penetrate the ground at this stage**



# Actions On

## Emergency Extraction – Prodding



# FEEL

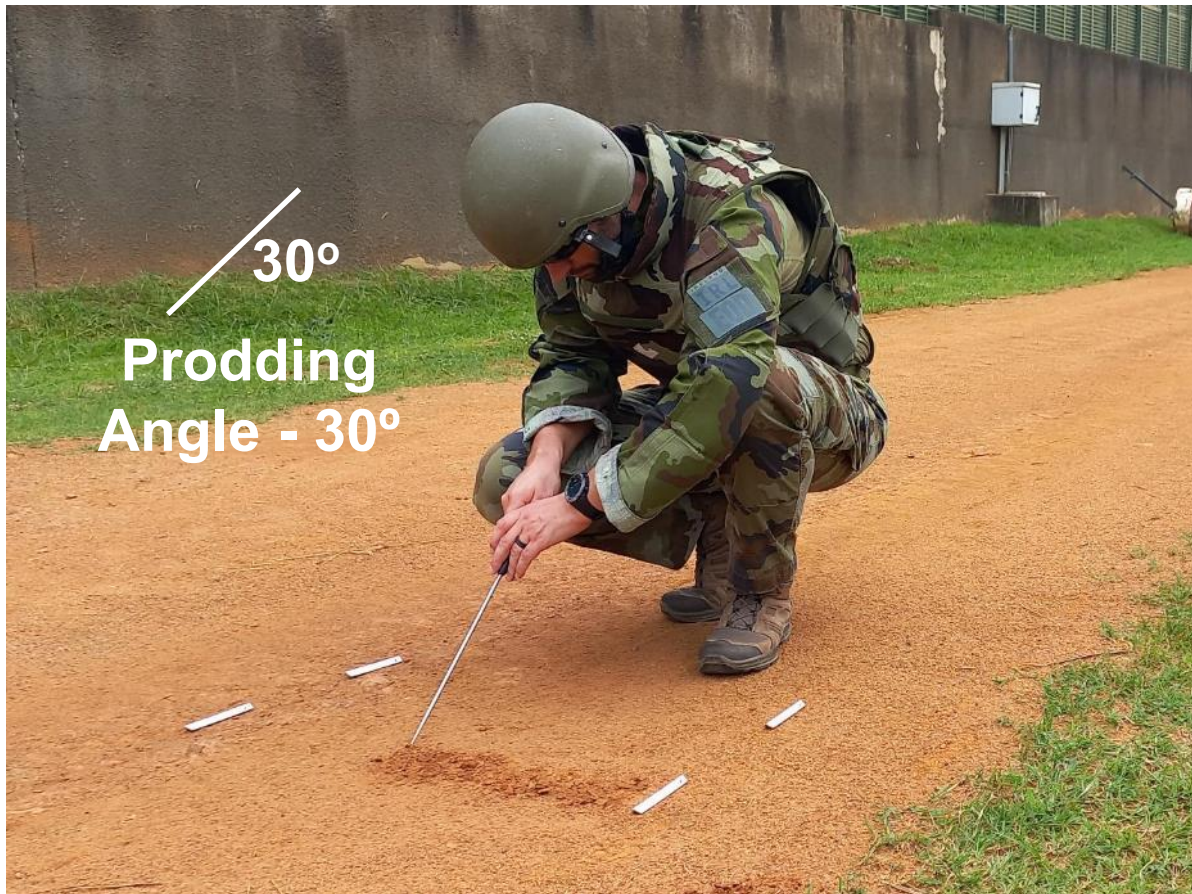
With your fingertips  
lightly **feel** within your  
boxed area for any  
protruding fuses or mine  
components

Do this systematically over the entire boxed area



# Actions On

## Emergency Extraction – Prodding



# PROD

**Prod** every 25mm across your box at a 30° angle to the horizontal. Do not stab the ground or use excessive force but prod slowly and firmly. Prod until you feel excessive resistance.

**Again do this systematically over the entire boxed area**

# Actions On

## Emergency Extraction – Prodding



**Once cleared step into the box**

**Further assess your situation**

**You may want to extend your box for placing other equipment**



# Actions On

## Emergency Extraction – Prodding



**Look for a suitable route for your extraction lane**

**A patrol or group of individuals may have to join lanes together**

**You may want to consider your entry route into the minefield**

# Actions On

## Emergency Extraction – Prodding



**LOOK**



**FEEL**



**PROD**

Continue to **LOOK – FEEL – PROD**, reducing your profile and extending the lane



# Actions On

## Emergency Extraction – Prodding



**LOOK**



**FEEL**



**PROD**

**If required increase the width of your lane to a suitable size for you and your kit**



# Actions On

## Emergency Extraction – Prodding



**LOOK → FEEL → PROD**

**Continue until you can get into the prone position**



# Actions On

## Emergency Extraction – Prodding



**LOOK → FEEL → PROD**

When able to do so prod at arms length keeping your spare hand protected and your legs crossed



# Actions On

## Emergency Extraction – Prodding



**MARK**



**AVOID**



**MOVE ON**

Place a **red** marker 300mm back from the suspect area and select an alternative route

On locating a suspect item or area do not further investigate or attempt to confirm, just mark, avoid and move on



# Actions On

## Emergency Extraction – Prodding



**MARK**  
↓  
**AVOID**  
↓  
**MOVE ON**

**Continue to clear a lane avoiding the suspect area ensuring your body stays inside the cleared lane**

# Actions On

## Emergency Casualty Drill

**Conduct practical rehearsal prior to deployment**

**Carry an extraction kit on your person and in your vehicle**

1. Casualty must remain as still as possible
2. Look, Feel, Prod up to, around & under the casualty
3. Give first aid
4. Assess - wait for help or extract





# Questions?

