Appendix E

UXO Safety Training Agenda

• Identify UXO Hazard
  – By Type and Subgroup
• Determine the Hazards
• Marking a UXO
• Evacuation for a UXO

UXO Safety

• NEVER approach a suspected UXO
• DO NOT use a radio within 100 meters of a UXO
• DO NOT attempt to remove any part of a UXO or items near a UXO
• NEVER disturb a UXO
• Avoid areas marked as containing UXO’s
• Clearly mark an area that contains UXO’s
MOST IMPORTANTLY: BE AWARE OF YOUR SURROUNDINGS AND WATCH WHAT YOU ARE DOING AND WHERE YOU ARE STEPPING.

Identify UXO by Type

- Dropped
- Projected
- Placed
- Thrown
Dropped Ordnance

Three types for Dropped Ordnance
– Bombs
– Dispensers containing Sub munitions
– Sub munitions

BOMBS

• Key ID features
• Large
• Cylindrical Shape
• Box, Conical or Retarding Fins
• Heavy Metal Construction
• Lifting Lugs
• Generally 2 Fuze Wells
Dispensers

- Dispensers, very similar to bombs, however they deliver a smaller payload
- Key ID Features
  - Large like Bombs
  - Light Metal Construction

Sub munitions

- Sometimes called Bomblets or Scatterable Munitions
- May be dispensed by Artillery or Aircraft
- Small
Dropped Ordnance Photos

Projected Ordnance

- Projectiles
- Mortars
- Rockets
- Guided Missiles
- Rifle Grenades
Projectiles

- Greater in Dia than .50 cal
- Steel Construction
- Cylindrical in Shape with Pointed Nose
- Stabilization: Fin or Spin
- Rotating Bands or Fins

Mortars

- Cylindrical in Shape
- Primarily Fin Stabilized
- Primer and propellant
- Gas check bands or Obturator ring
- Vent holes in Fin Assembly
Rockets

- Self Propelled
- Stabilized by Fins of Venturis canted to provide spin
- Rocket Motor
- Warhead section

Guided Missiles

- Allow control after launch
- May be as small as 1-2 feet or up to 30 feet in length
- Venturis
Rifle Grenades

- Projected from Rifle
- Usually Fin Stabilized
- Relatively small for Projected munitions

Projected Ordnance Photos
Thrown

- Small, held and thrown with one hand
- Provision for safety until thrown
- May contain means of stabilization, i.e. parachute or other orientation device

Thrown Ordnance Photos
Placed Ordnance

- Designed for Area Denial
- May be placed on the surface
- May be scattered
- Mines
  - AP (Anti-Personnel)
  - AT (Anti-Tank)

Anti Tank

- Anti Tank Mines
- Key ID Features
- Large In Size
- May Have A Tilt Rod/Pressure Plate
- Most Likely Contains A Booby Trap Device
Antipersonnel

- Anti Personnel Mines
- Key ID Features
- Small In Size
- Lightweight Construction i.e. Rubber, Plastic, Wood
- Normally Found Around AT Mines

Placed Ordnance Photos
Training Ordnance and Pyrotechnics

• Training Ordnance
  – Training ordnance most cases has the same appearance as ordnance simulated
  – Not inert
  – May contain up to 11 pounds of explosives
  – Do not handle
  – Many pieces of training ordnance are BIP only

Pyrotechnics

• Used primarily for training
• Very sensitive
• Release Hydrogen Gas very volatile
• Primarily Simulators
• Equivalent to ¼ stick of Dynamite
Safety Precautions/Hazards

• (1) Do not allow NONESSENTIAL personnel on the site.

• (2) Upon identification of the UXO, move to a safe distance (300 meters) and make certain that the correct evacuation measures are being enforced.

Safety/Hazards (cont)

• (3) **DO NOT TOUCH OR DISTURB THE UXO.** Disturbances, either mechanical or otherwise, may cause the UXO to detonate.

• (4) If the presence of liquid droplets, dead animals, dissolved paint, or peculiar odors is detected, the presence of chemical agents may be assumed. Put on your protective equipment immediately.

• (5) **DO NOT TOUCH LOOSE WIRES OR COMPONENTS OF THE UXO.**
Safety/Hazards (cont)

• (6) Do not attempt to remove parachutes from any UXO.
• (7) Leave recovery to Explosive Ordnance Disposal (EOD) personnel.
• (8) DO NOT smoke or allow others to light a flame around the UXO.

Safety/Hazards (cont)

• (9) Identify the UXO from a distance using binoculars.

• (10) Do not use radios in the immediate area. They can cause some UXO’s to detonate.
Marking Ordnance

- Extremely Important
- Clearly visible from all avenues of approach
- DOES NOT disturb the ordnance
- May be as simple as “Engineer tape” or actual UXO marker:

- Last action should be to mark the ordnance then leave the area

Reporting Ordnance

- Report the ordnance to your supervisor
- Report the incident to the local EOD unit
- Methods of Reporting
  - Tactical: 9 Line Format from SMCT
  - Training area: Notify Battalion TOC
  - In Theatre/On FOB: Notify Mayor’s Cell
9 Line UXO Reporting

- Line 1. Date-Time Group: DTG item impacted or was discovered.
- Line 2. Reporting Activity (unit identification code [UIC]) and location (grid coordinates of UXO).
- Line 3. Contact Method: Radio Frequency, call sign, point of contact (poc), and telephone number.
- Line 4. Type of Ordnance: Dropped, projected, placed, or thrown. If available, supply the subgroup. Give number of items, if more than one.
- Line 5. NBC Contamination. Be specific as possible.
- Line 6. Resources Threatened: Report any equipment, facilities, or other assets that are threatened.
- Line 8. Protective Measures: Describe any measures you have taken to protect personnel and equipment.
- Line 9. Recommended Priority: Recommend a priority for response by EOD technicians, immediate, indirect, Minor, No Threat

Training Area

- In the event a UXO is encountered in a training area, immediately report the incident to Battalion TOC.
- The information required will include:
  - Location of the suspected UXO
  - Shape of the UXO
  - Estimate the Dimensions of the UXO, critical measurement is the Diameter
  - POC on the ground, preferably the individual that has had eyes on the ordnance, method of contact
Evacuation Distances

- Minimum Evacuation Distance for a UXO is 300 Meters in Radius
- If ordnance is found near a material that could enhance an explosion the evacuation distance is 1000 Meters in Radius

706th Ord Co (EOD)

Reporting Procedures

24 Hour Response Line: 808-655-7112
Normal Business Hours: 808-655-5313
Identify By Type

Ordnance in the field
Summary

- Identify UXO Hazard
- Determine Hazards
- Marking the UXO
- Evacuation for UXO
- Familiarized with Ordnance Type

FOR MORE INFORMATION

- Check out www.train.army.mil
- Click On Library
- Select “Warrior Training Tasks”
- In Search Box Type “AWT”
- Select Skill Level 1
- Select Warrior Task 26- React to UXO Hazards (Task # 093-401-5040)
- Launch Lesson