## INTRODUCTION:
- Hand or rifle projected.
- Main charge includes HE, riot-control agents, smokes, and incendiary and pyrotechnic materials.
- Fuzing is varied and may be time-delay or impact fuzed.
- Are easily and frequently boobytrapped.
- Practice grenades are usually externally identical to the grenades they simulate.

## SAFETY:
- Do not drop or jar.
- Do not disturb, except remotely, until fuze condition can be determined.
- Do not handle unless safety pin and fly-off lever in place and secured.
- Wait at least 30 minutes before approaching a suspected dud-fired grenade, deterioration/dampness may prolong the burning time of the delay.
- Do not attempt to remove the fuze from a dud-fired grenade.
- Do not attempt to replace the safety pin in a dud-fired grenade.
- Manually handle an armed grenade as a last resort and after considering all methods of remote disposal.
- Wear protective equipment with known/suspected chemical grenades.
- Do not approach a smoking WP grenade unless absolutely necessary.
- Move an embedded grenade remotely, it may contain a piezoelectric fuzing system.
- Do not dispose by functioning normally, may be boobytrapped.
- Observe cover and safe distances before disposal. Fragments may be projected over a radius of 650 feet (198 meters).

## EOD CONSIDERATIONS

### ANTI-ARMOR/HEAT:
- Armed or damaged anti-armor/heat grenades should not be touched.
- Stab-sensitive detonator assembly contains a substantial booster charge.
- Ensure shaped charge cone is crushed during disposal.
- Ensure presence of fuze-cover securing stable prior to removing handle.

### FRAGMENTATION:
- Fly-off lever partially released – dangerous condition.
- Percussion cap not struck sufficiently hard.
- Pyrotechnic fuse not ignited or fails to burn completely to detonator.
- Fuze loosens or unscrews on contact – separating detonator and main charge.
- Fragmentation grenades may be single thickness of steel deeply serrated or double thickness with inner-notched fragmentation coil.

### IMPACT FRAGMENTATION:
- In addition to conventional design, have added all-ways acting fuze.
- Armed all-ways acting fuzes may be sensitive to movement.
- Mechanical fuze may be fully armed and functional even when delay detonator has failed.
GRENADERS

FOR OFFICIAL USE ONLY

RIFLE:
- Nose fuzes on fired unexploded rifle grenades are likely to be damaged.
- Observe shaped charge precautions until positive identification.
- Often difficult to identify warhead type, e.g., HEAT warheads may not have their normal characteristic profile.
- Fuze mechanisms vary widely and not readily identifiable unless marked.

CHEMICAL/SMOKE:
- Smoke grenades are usually made of thin sheet metal.
- Riot-control grenades have emission holes covered with tape, spherical plastic, or synthetic rubber case.
- Incendiary grenades are usually sheet metal.

SPIN-STABILIZED (CANISTER/CARTRIDGE TYPE LAUNCHED):
- During demolition, ensure unfired grenades are not launched.
- Partially impacted fuzes may make unexploded grenades sensitive to shock.
- Despite size, these can be lethal at significant distances.
- Observe shaped precautions unless positively identified.

References 60E-2-2-1; 60A-1-1-22
FOR OFFICIAL USE ONLY

CHINESE GRENADE, HAND, FRAG, TYPE 82-1

E-17-2-15
Ordnance used with:

BELGIAN GRENADE, HAND, FRAG, MODEL PRB NR 423

E-4-2-53
Ordnance used with:
FOR OFFICIAL USE ONLY

☐ CHINESE GRENADE, HAND, FRAG, TYPE 86P

☐ IRAQI GRENADE, HAND, FRAG, MODEL UNKNOWN

☒ E-17-2-14
Ordnance used with:

☒ E-57-5-2
Ordnance used with:
EGYPTIAN GRENADE, HAND, FRAG, NO. 2

E-34-2-3
Ordnance used with:

BULGARIAN GRENADES, HAND: FRAGMENTATION, RGO-78;
AND PRACTICE, RGO-78IM

E-16-2-2
Ordnance used with:
FOR OFFICIAL USE ONLY

- U.S.S.R. GRENADE, HAND, DEFENSIVE, RG-42
- E-35-2-12

Ordnance used with:

- U.S.S.R. GRENADE, HAND, DEFENSIVE, F-1
- E-35-2-12

Ordnance used with:

FOR OFFICIAL USE ONLY

E - 4
YUGOSLAV GRENADE, HAND, BLAST, M75

E-37-2-11
Ordnance used with:

YUGOSLAV GRENADE, HAND, FRAG, BRM 75

E-37-2-100
Ordnance used with:
FUZE: YO: STIKER RELEASE, UBRV-M75
FOR OFFICIAL USE ONLY

- U.S.S.R. GRENADE, HAND, DEFENSIVE, RGD-5
- E-35-2-12
  Ordnance used with:
  - EGYPTIAN GRENADE, HAND, FRAG, NO. 1
  - E-34-2-4
  Ordnance used with:

FOR OFFICIAL USE ONLY
U.S.S.R. GRENADES, HAND, HEAT, RKG-3, RKG-3M & RKG-3T

E-35-2-21
Ordnance used with:

CHINESE (PEOPLE'S REPUBLIC) GRENADE, 75-MM, HE-T, BOUNDING, ROCKET-PROPELLED, MODEL UNKNOWN, (TYPE 69)

E-17-5-4
Ordnance used with:
**FOR OFFICIAL USE ONLY**

- **U.S.S.R. GRENADE, HEAT, PG-2**
- **E-35-2-18**
  Ordnance used with:

- **IRAQI GRENADE, PROJECTED, 84-MM, SMOKE, MODEL UNKNOWN**
- **E-57-5-3**
  Ordnance used with:

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**FOR OFFICIAL USE ONLY**

E - 8
U.S.S.R. GRENADE, HEAT-T, ROCKET PROPELLED, MODEL PG-7G

E-35-2-13
Ordnance used with: