



# Mines other than anti-personnel mines (MOTAPM)

## Unfinished business



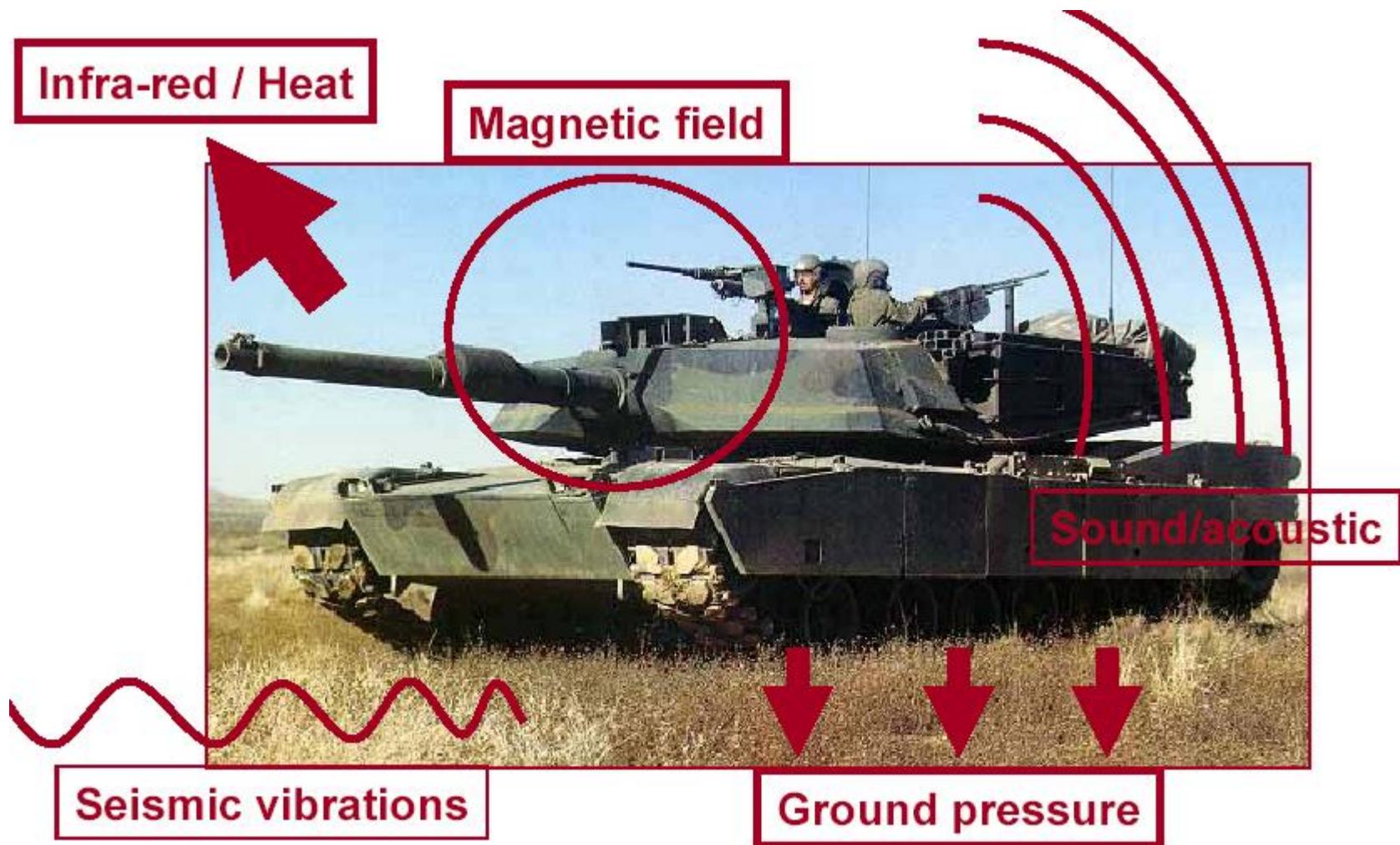
# Unfinished Business

- Regulation of use in CCW Amended Protocol II
- Continuing humanitarian and developmental impact.
- Complicates clearance challenges.
- Grave consequences in future conflict if regulation is not addressed.
- Value of accurate information on Mine-IED incidents.
- Possible courses of action on addressing the regulatory gap.

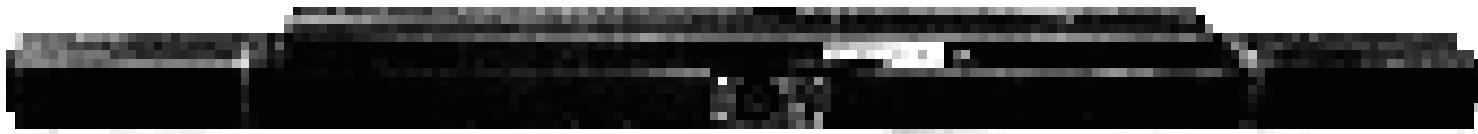
# Functions of Anti Vehicle Mine

- Weapon – Disable destroy tanks, other armoured vehicles, other vehicles.
- Obstacle - Combinations of MOTAPM in minefields provide a quick active obstacle
- Force deployment and exposure of En mine clearance assets

# Target Emissions



# Anti-tank Mine Types



# AT Mine Types

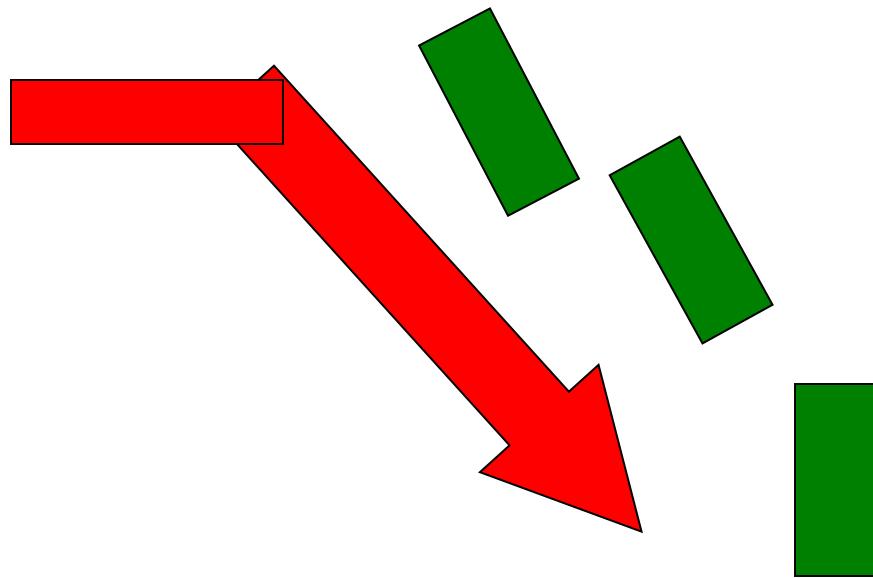


# Off-Route Shaped Charge Mines

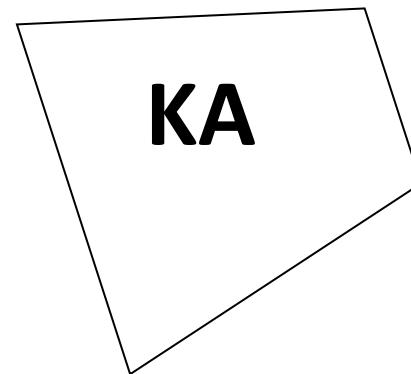




# Turning Obstacle

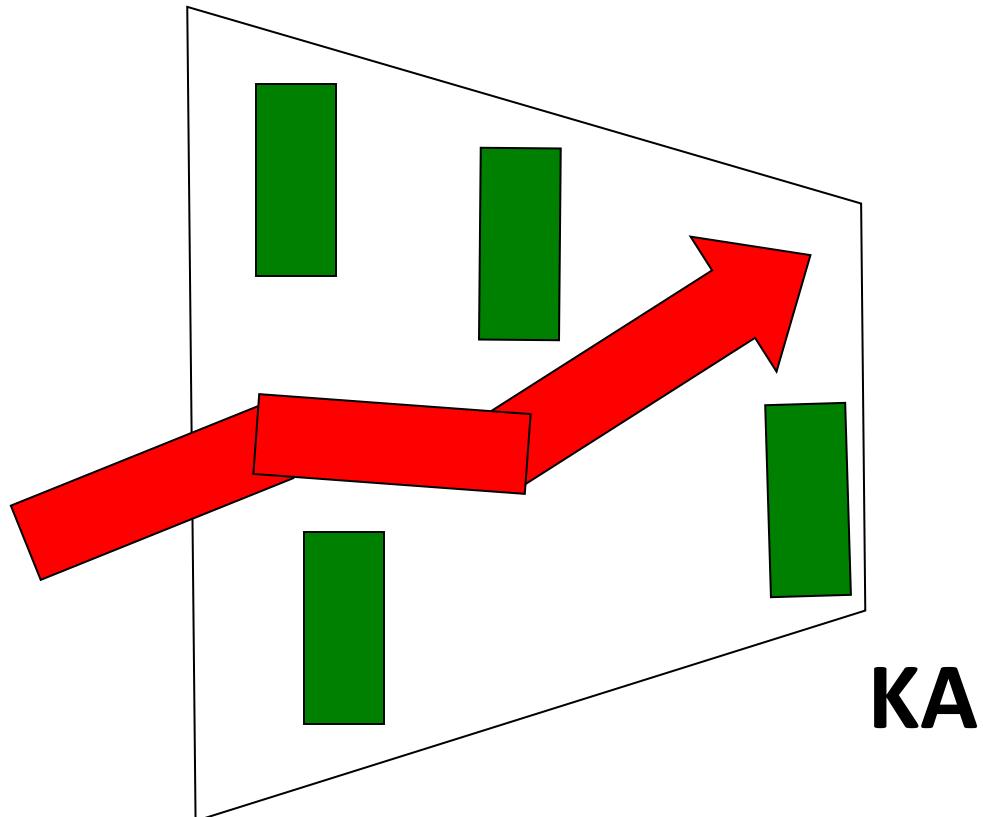


Turn



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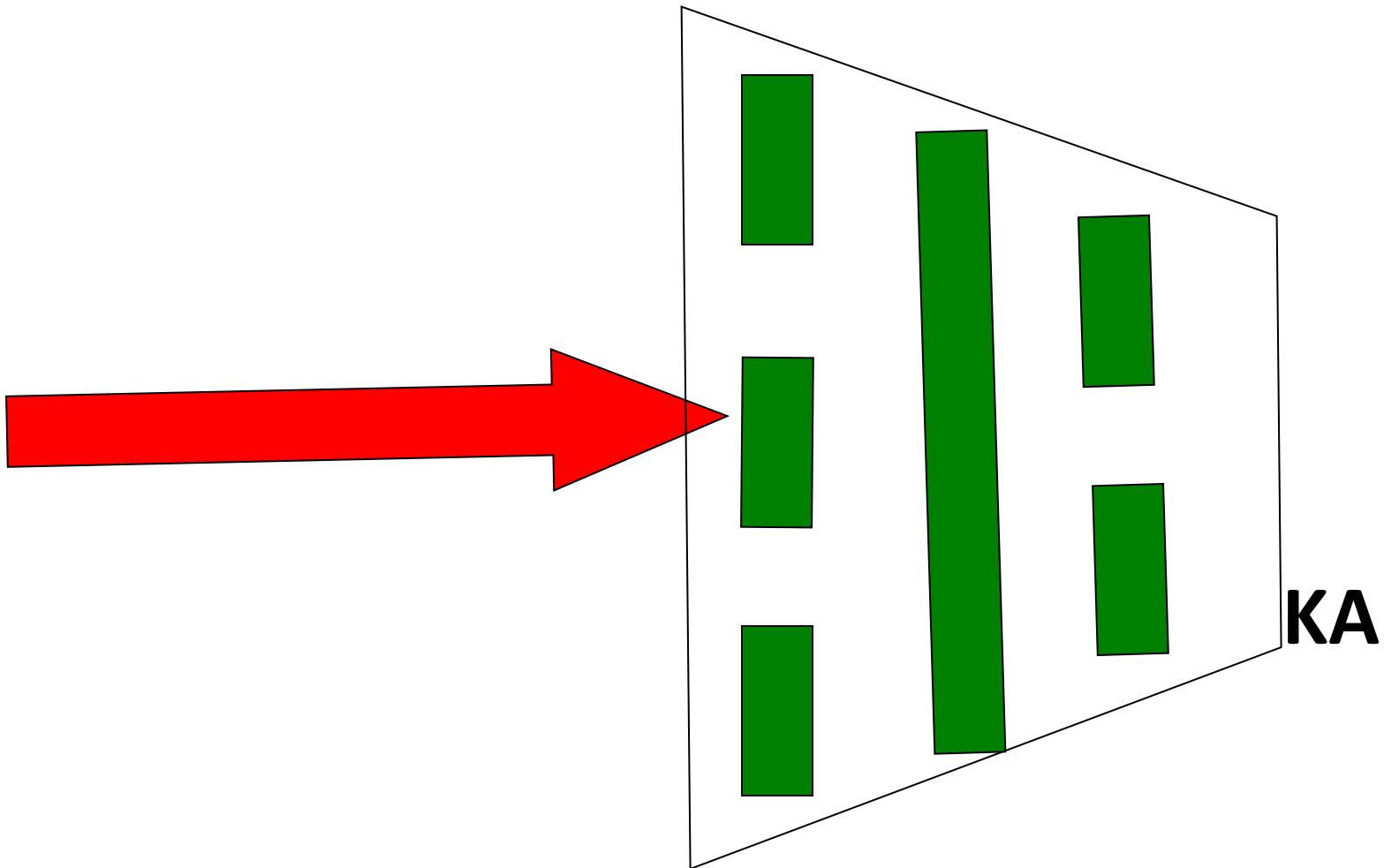
# Fixing Obstacle



Fix

**Block**

**Blocking  
Obstacle**



# Humanitarian concerns

Persistent fuzes

Mines laid outside perimeter marked areas

Sensitivity of fuze systems

- Pressure activated contact mines

- Trip wires, break wires, tilt rods

Detectability of mines

Remotely delivered mines

# Scope of Concern

Legacy of previous use

Use in current conflicts

Use in future conflicts, including conflict between major military powers

# IHL on AVMs

**General rules** of IHL apply to all weapons including mines.

## Specific rules

CCW Convention.

Protocol II on Landmines, Booby-traps and Other Devices as amended on 03 May 1996 (APII)

Anti-personnel landmine convention 1997 (Ottawa Convention)

# Developments in CCW framework

1995-6	1 Rev Con Amended Protocol II
2001	2 Rev Con – US-Denmark Protocol
2002-03	GGE Discussion mandate
2004-06	GGE Failed Negotiations
2006	3 Rev Con Political Declarations
2007-11	On agenda of MSP
2011	4 Rev Con mandates 3 Day expert meeting in 2012
2013-17	On agenda of MSP
2015, 2017	Informal expert meetings
2018	Mandate to conduct 'a consultation'

# Restrictions in 2006 Declaration

- Detectability of all mines outside perimeter marked areas
- All mines outside perimeter marked areas to be equipped with SD or SN mechanisms.
- Restrict transfers of all anti-vehicle mines
- Adopted by 27 states.

# State of Play 2018

- One state demanded removal of MOTAPM from agenda at 2017 MSP
- Chair mandated to conduct 'an informal consultation' on MOTAPM
- Meeting planned for June 2018.

# Factors impeding new IHL

## Sceptical states

maintain that existing IHL is adequate.

argue that there is insufficient evidence of humanitarian harm.

nervous that any process could lead to pressure for a total ban.

Other states nervous to make an effort that might not succeed.

States maintaining polarised positions from 2006

# Desired End State

Agreement on IHL measures to address remaining humanitarian concerns on MOTAPM / AVM

- Outcomes
  - Remain reliant on AP II
  - Adopt legally binding protocol on lines of 2006 declarations
  - Find another solution

# Need for more data

AVM or APM or Other Device

Mine type and fuze type

IEDs

AP or AV

Victim operated, command detonated, timed

Targets – military, civilian, infrastructure, economic etc.

All IEDs (conventional) covered in AP II

# Other MOTPAM / AVM Data

- Mines cleared
- Types of mines and fuze types
- Size of stockpiles
- Quantities of stockpiles destroyed
- Details of new production
- Details of Transfers





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na hÉireann  
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# Unfinished business

