Guns, Missiles, and Munitions

Colonel Mike Beasock
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OPERATIONAL ENVIRONMENT

What are our major concerns of the future battlefield?

OPERATIONAL REQUIREMENTS

Warfighting is about:

- **Joint and Combined arms capabilities**

- **Complimentary gun, missiles, and munitions capabilities**

Central issues:

- **What is the right mix given the operational environment?**

- **Where do we invest our limited resources?**

?

Missiles and Munitions…….…..…or ………….Gun Platforms?

THE ARGUMENT FOR CLOSE COMBAT MISSILES AND MUNITIONS

- *Reality of close combat challenges our desire for stand-off engagements.*

- *We must have the capability to dominate in the close fight.*

- *Current close combat systems do not provide decisive capabilities.*

- *Close fight missiles and munitions:*

    - *Aging stockpiles*

    - *Limited success in modernizing / spiral development*

    - *Are key enablers*
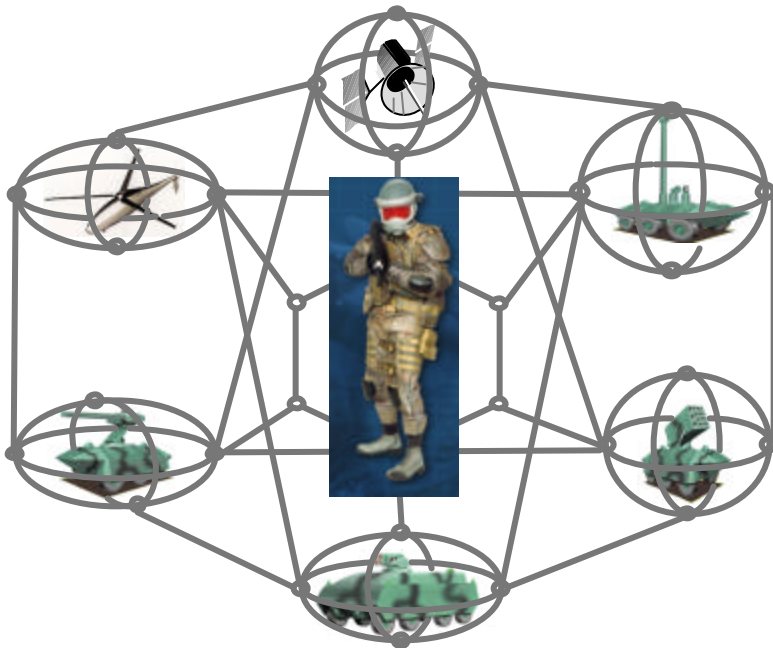
Advantages of Missiles and Munitions

- ✓ Light weight lethality

- ✓ Range of effects and employment options

- ✓ Can provide overwhelming lethality where most needed

- ✓ Can defeat the toughest targets… scaleable

- ✓ Can provide LOS and BLOS overmatch

- ✓ Can effectively defeat counter-measures

- ✓ Networked and autonomous lethality

- ✓ Relatively low cost

- ✓ Can enhance platform lethality… secondary armament

CLOSE COMBAT, MAN-PORTABLE LETHALITY

Before

After

Javelin vs T-72

April 2001
Redstone Arsenal, AL

CLOSE COMBAT MISSILES AND MUNITIONS

- ***Missiles:***
  - **Optimized for stand-off against armor**
  - **Non-optimized for bunkers, fortifications, and buildings**

- ***Munitions:***
  - **Optimized for close-in targets**
  - **Lack stand-off from small arms fire**
  - **Limited in range**

M141 BDM

M72 LAW

M136 AT 4

Marine using Javelin against a building in Iraq 23 Mar 03.

M141 BDM → 150M

M72 LAW → 200M

M136 AT4 → 300M

SMAW → 300M

SMAW

M3 Carl Gustav
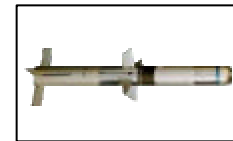
M3 Carl Gustav → 200M-1500m

Javelin → 2000M

TOW Bunker Buster → 3750M
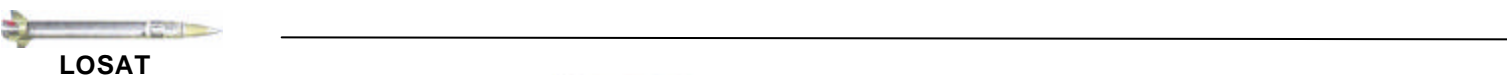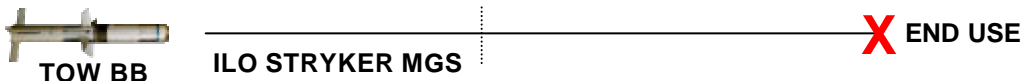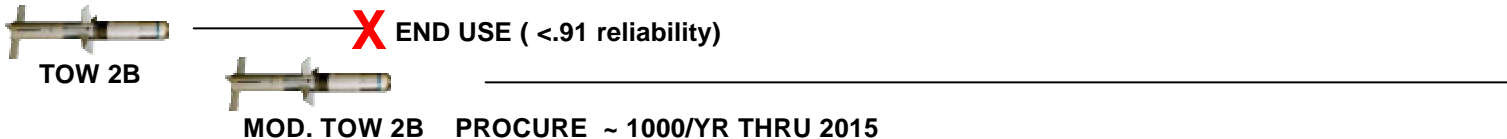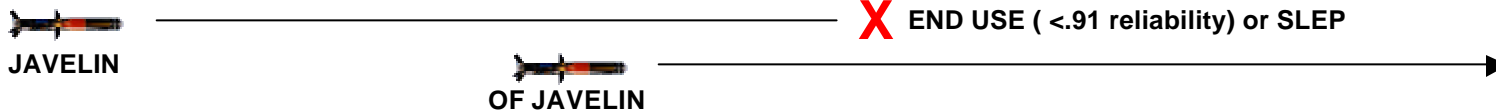

Javelin

TOW BB

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END OF PRESENTATION

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MISSILE SYSTEM STRATEGY

	NEAR-TERM	MID-TERM	FAR-TERM
	02 03 04 05 06 07 08 09 10 11 12	13 14 15 16 17 18 19 20	21 22 23 24 25

JAVELIN — X END USE (<.91 reliability) or SLEP

OF JAVELIN

TOW 2A — X END USE (<.91 reliability)

TOW 2B — X END USE (<.91 reliability)

MOD. TOW 2B   PROCURE ~ 1000/YR THRU 2015

TOW BB   ILO STRYKER MGS — X END USE

ITAS

ITAS P3I – BATTERY POWER & COMMON PROCESSOR

LOSAT

CKEM

COMMON MISSILE

DISMOUNTED INF WPNS SQD
ARMED ROBOTIC VEHICLES
INFANTRY CARRIER VEHICLE
MOUNTED COMBAT SYSTEM

?

OBJECTIVE FORCE JAVELIN

MITAS / JAVELIN APPLIQUE