

Missiles and Rockets Overview

NDIA Armaments Technology
Fire Power Forum

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Recipients of the 2008 William J. Perry Award

Distribution A: Approved for Public Release



Topics



- Precision Fires products and performance
- Rocket and missile industrial base
- Contemplated capabilities
- GMLRS with Self Destruct Fuze



PFRMS Systems at War





 All systems are supporting the Global War on Terrorism

- Currently supporting Operation Iraqi Freedom and Operation Enduring Freedom
- Performance is above Army Standards
- Launchers returning in excellent condition requiring only routine & minimal maintenance

M270A1 98% Readiness Rate

HIMARS

99% Readiness Rate

GMLRS Unitary 747 Rockets Fired 98% Reliability

ATACMS
537 Missiles Fired
98% Reliability









Play Video 2







GMLRS with Bulova Self Destruct Fuze



Q: SDF needed by the user?

A: Requirement remains valid

√ TCM-RAM

√ TCM-Cannon

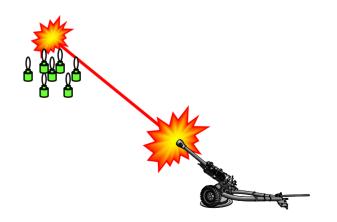


GMLRS

- Less than 1% hazardous duds
 <u>Assumptions:</u>
- No degradation of primary mode (95% reliability)
- SD mode operates as well as in artillery (95% reliability)

XM864

- 97% Primary Mode Reliability
- 95% Self Destruct Mode Reliability
- 99.85% Overall Fuze Reliability



Any Warfighter - Anywhere - All The Time



SDF Update:

GMLRS DPICM w/SDF Reduced UXO

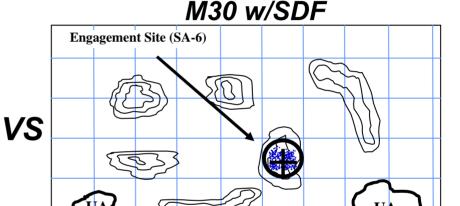




Comparison Of M26 And GMLRS M30 DPICM w/SDF Engaging SAM Missile Site

Engagement Site (SA-6) UA 284,000 m²

- 75 Rockets Required To Destroy Target
- 644 Grenades Per Rocket
- At 5% Dud Rate, Over 2400 Unexploded Grenades Throughout Engagement Site
- Grenades Spread Over 12 Grid Squares



- 15 Rockets Required To Destroy Target
- 404 Grenades Per Rocket
- At <1% Dud Rate, Less than 60 Unexploded Grenades Remain At Engagement Site
- All Grenades Contained Within 1 Grid Square

82.000 m²



MLRS Worldwide







MLRS Worldwide



MOU Partners





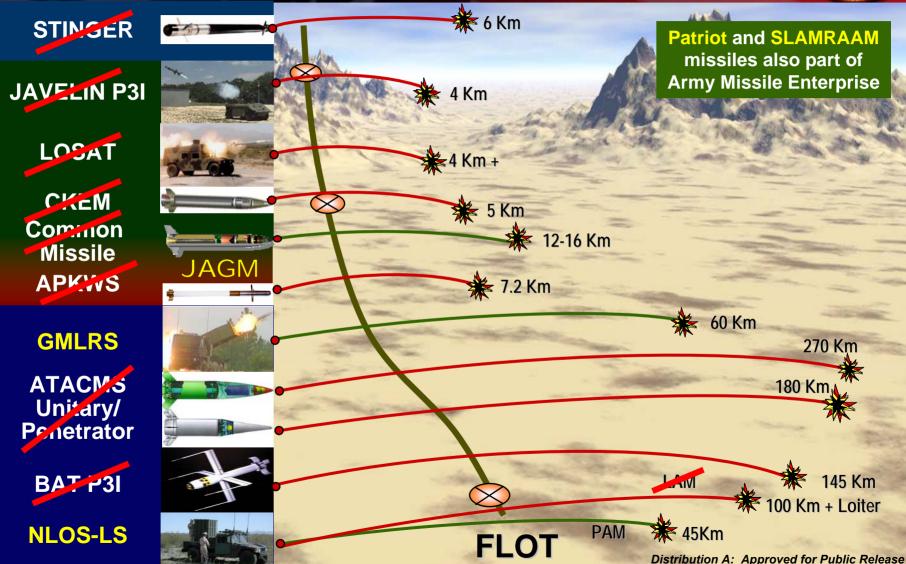
Any Warfighter - Anywhere - All The Time



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Terminated Army Missile Programs





THE SPECTRUM OF THREATS REQUIRES A MIX OF MISSILE SYSTEM CAPABILITIES



Contemplated Capabilities



- Precision, precision, precision
- Elimination of UXOs
- Selectable warheads
- In-flight redirect
- Programmable trajectory
- Reduced signature
- Demil



Suggestions



- PM / TCM relationship and requirements
- Get plugged into G-3 Ammo
- ASA(ALT)
- OSD
- Media tell your story



...we never forget our real customer....







