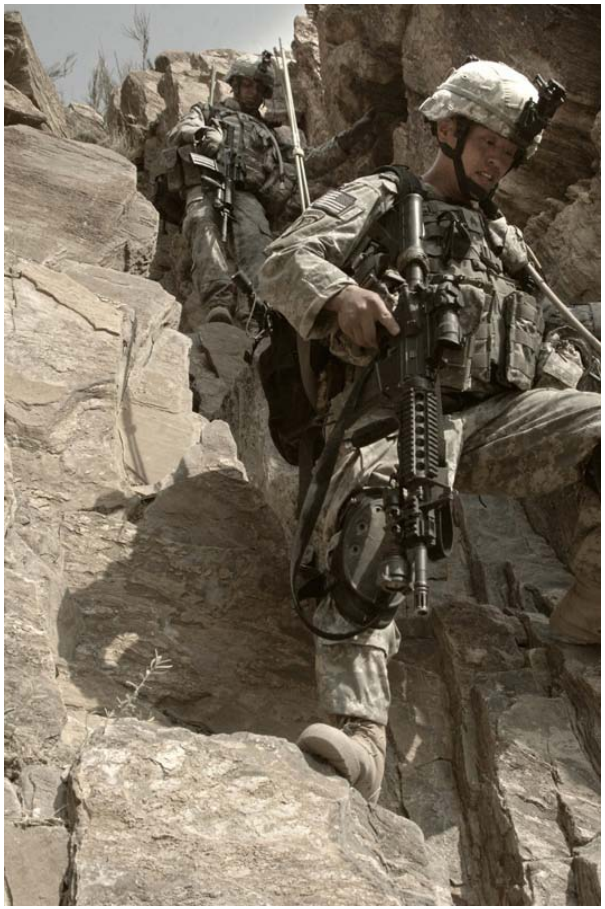
AMERICA'S ARMY: THE STRENGTH OF THE NATION™

UNITED STATES ARMY



Cannon Precision Fires

LTC Fischer

U.S.ARMY

SOLDIERS ★ FAMILIES ★ ARMY CIVILIANS

ARMY STRONG.℠

Five Requirements

4

Accurate Meteorological (MET) Information
(Profiler Meteorological System)

2

Accurate Firing Location
IPADS/GPS

1

Accurate Target Location and Size

Enhanced Q36 Radar

5

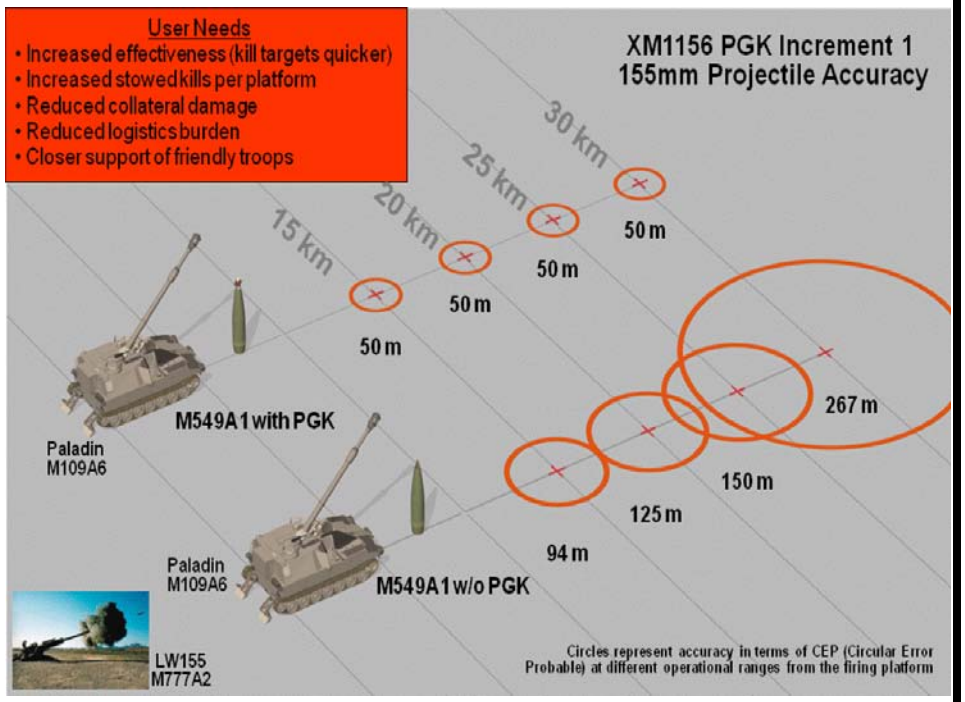
Accurate Computational Procedures
AFATDS

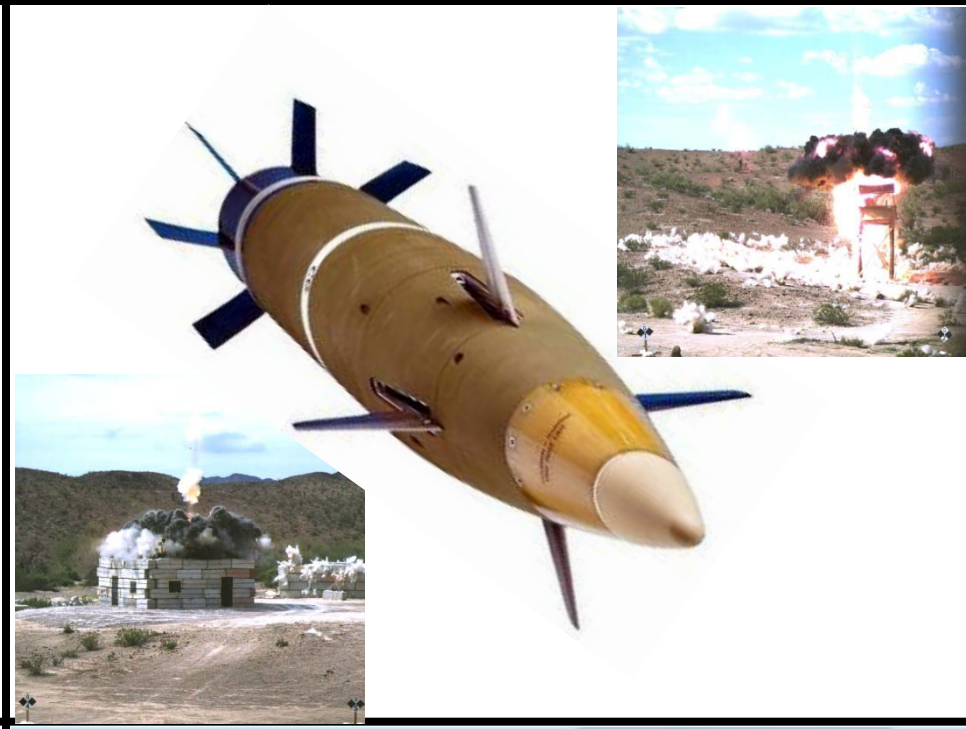
3

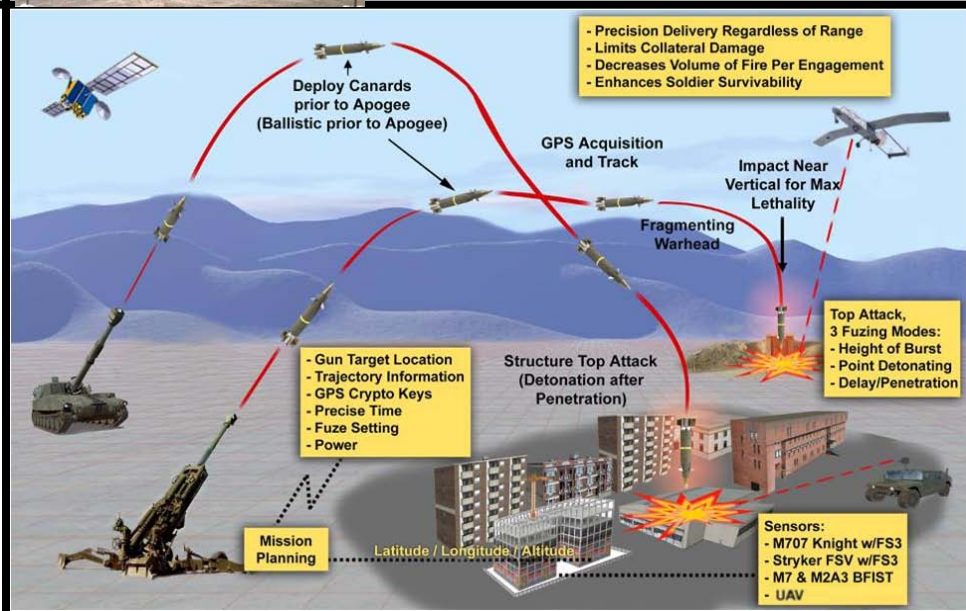
Accurate Weapon and Munition Information
Shell/Fuze, Powder Temperature

LLDR

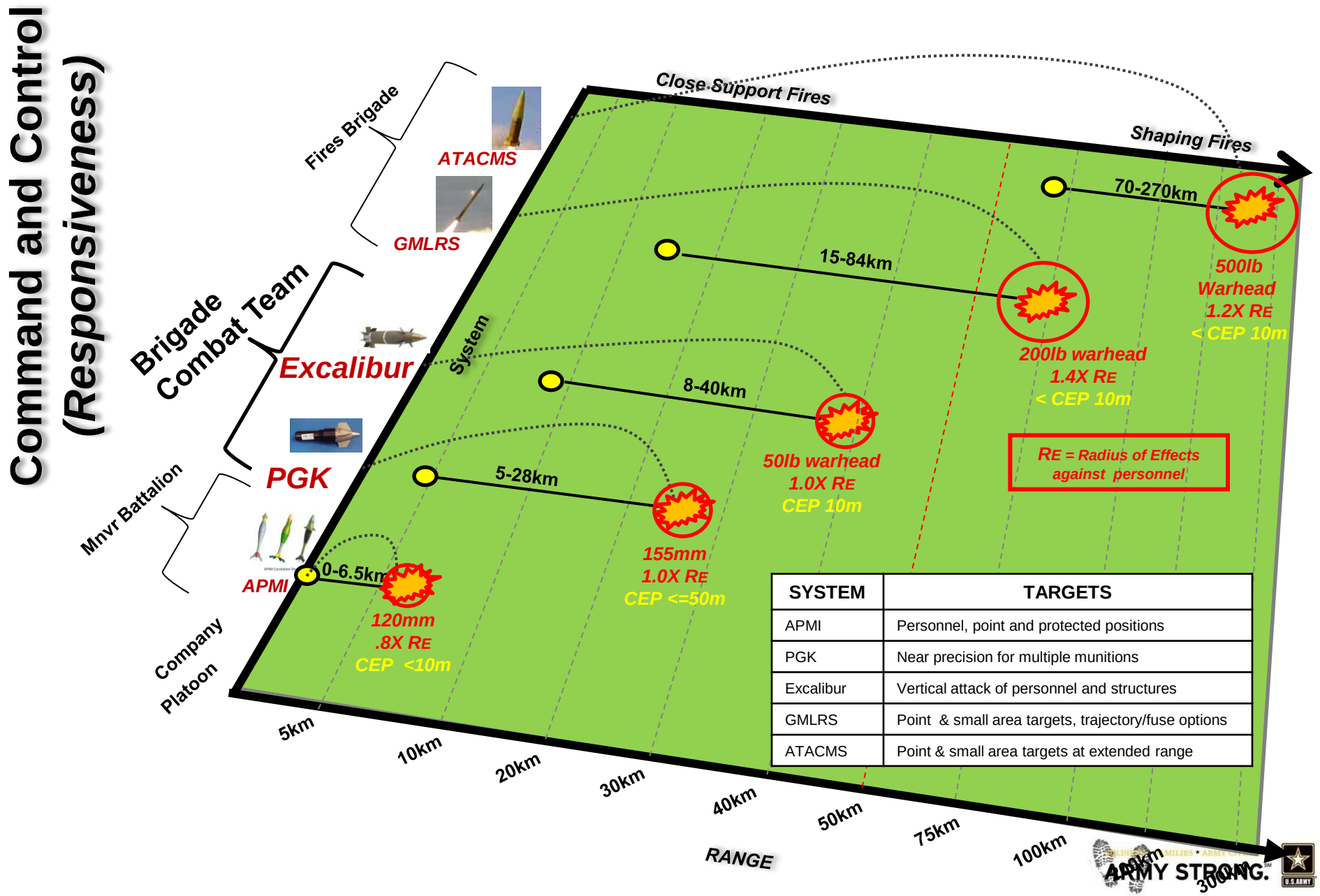
Precision Munitions







Indirect Fires Precision Portfolio



SYSTEM	TARGETS
APMI	Personnel, point and protected positions
PGK	Near precision for multiple munitions
Excalibur	Vertical attack of personnel and structures
GMLRS	Point & small area targets, trajectory/fuse options
ATACMS	Point & small area targets at extended range

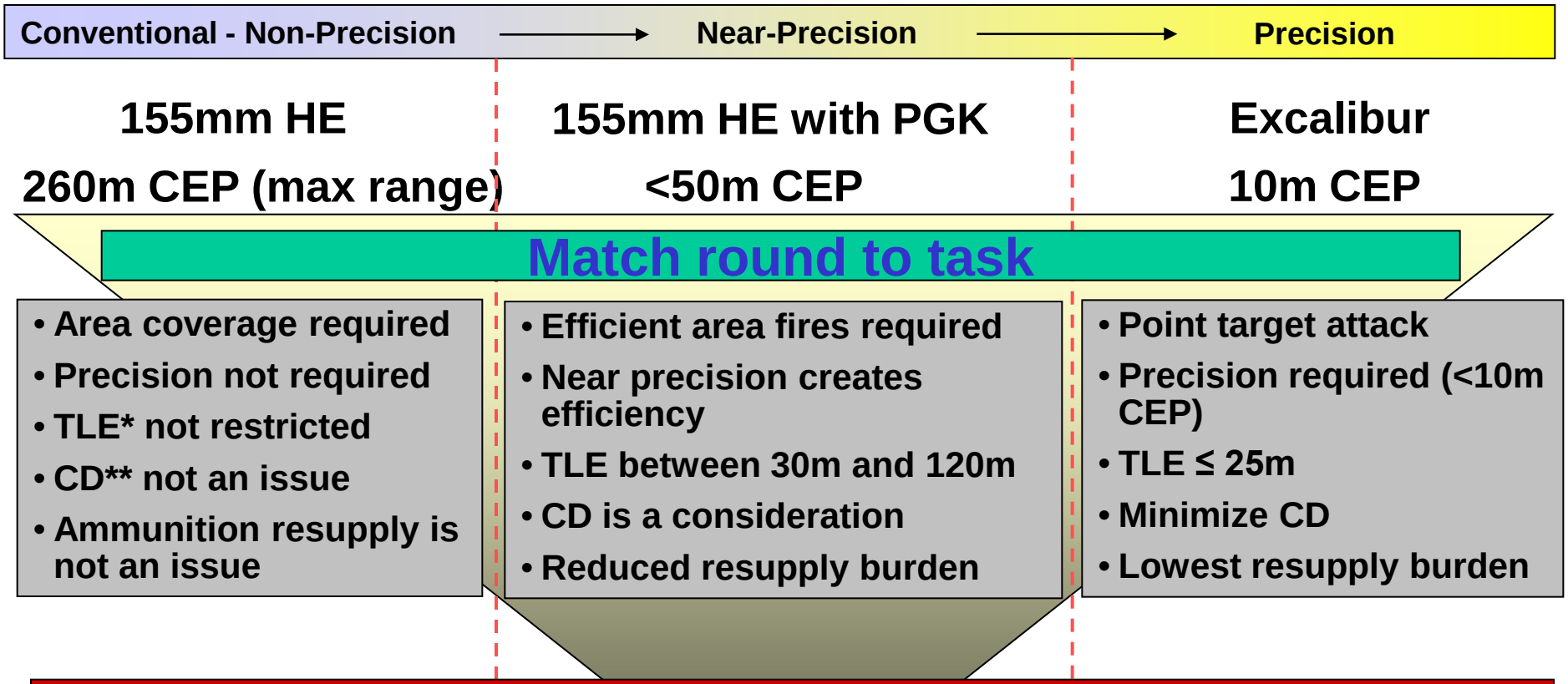
Mix of Capabilities

- Housing density can vary widely over small distances between terrain elements
- Selecting munitions with increasing levels of precision may be most cost-effective

"An organic precision indirect fire munition will allow commanders to engage targets in environments that ordinarily require putting Soldiers and non-combatants in harms way or cause unnecessary collateral damage"

Balancing Precision Fires

The tactical commander will have many fires capabilities available in the future. These are divided into general area fires, efficient area fires (near precision) and precision fires. The targeting conditions necessary to utilize these capabilities will aid the commander to optimize these fires assets.



Scaleable precision provides more effective and efficient fires

* Target Location Error (TLE)
** Collateral Damage (CD)

Conclusion

- **Precision-guided munitions increase desired effects with more effective fires, while mitigating unnecessary collateral damage and reducing overall logistic footprint**

- **Artillery units must have the ability and capability to mass precision fires on a single target and attack multiple targets simultaneously throughout the battle space**

- **Key question from Precision Fires Portfolio Review: How much Precision is needed?**