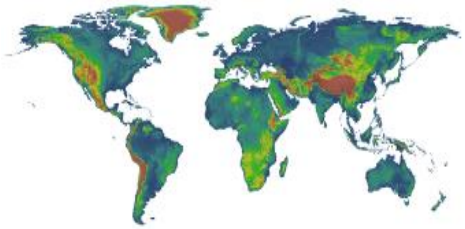
Long Range Precision Fires Cross-Functional Team

The Long Range Precision Fires Cross-Functional Team leads the Army's effort to modernize field artillery to ensure range dominance and lethality.

Strategic Fires



WHAT: A surface to surface strategic fires capability consisting of two complementary systems: a long range cannon system and a hypersonic missile that delivers a projectile at strategic ranges.

WHY: The Joint force needs surface to surface fires capable of firing at strategic ranges to defeat near-peer integrated air defense systems.

HOW: Demonstrations leveraging the work of the Science and Technology community.

Operational Fires: Precision Strike Missile

WHAT: The PrSM Missile is a significant upgrade to the aging ATACMS missile – increased range, pod capacity, lethality and survivability.

WHY: The PrSM Missile's planned range of 499km will ensure operational fires overmatch on a modern missile platform able to spiral-in future capabilities.

HOW: PrSM missile pods will contain two missiles that fit in existing launchers. Technology spirals will include loitering munitions capable of target discrimination and top-down attack. Initial capability delivered FY23.

Tactical Fires: Extended Range Cannon Artillery

WHAT: Upgraded 155mm self-propelled artillery system and munitions to provide increased ranges and survivability. ERCA capability includes cannon, propellant, and ammunition upgrades.

WHY: ERCA will ensure tactical fires overmatch in the future. The current Paladin Integrated Management (PIM) upgrade only addresses chassis survivability, reliability, and commonality issues.

HOW: ERCA upgrades cannon to 58 cal length tube with a re-designed breach and auto-loader. With new projectile (XM1113) and propellant, ERCA will feature improved range (30km to 70km), volume (up to 6-10 rounds per minute), and lethality. ERCA depends on successful completion of the PIM program. Initial capabilities delivered FY21 & FY23.