

PROJECT MANAGER COMBAT AMMUNITION SYSTEMS

COL LEON L. ROGERS II FUTURE LAND FORCES 2024

5-6 November 2024

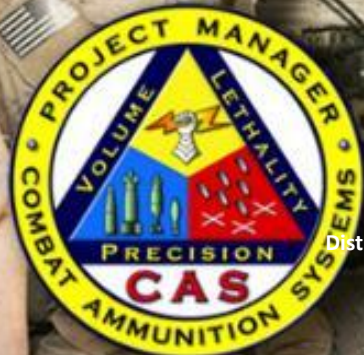
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11 October 2024. Other requests for this document shall be referred to PM Combat Ammunition Systems.

FORGING THE FUTURE OF INDIRECT FIRE



Agenda

- Organization and Priorities
- US 155mm artillery munition production acceleration
- Innovation at the Round
- Interoperability





Joint Program Executive Office Armaments & Ammunition



Project Manager
Combat Ammunition Systems



COL Leon Rogers



JPEO A&A
MG John Reim



DJPEO A&A
Dr. Theresa Smith, DML

Mission:
Develop, procure and field lethal armaments and ammunition providing Joint Warfighters and Allied Partners overmatch capabilities.



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Highly Qualified Expert
Mr. Greg Matson



Project Manager
Close Combat Systems



COL Vince Morris



Project Lead
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Project Manager
Maneuver Ammunition Systems



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Senior Munitions Advisor
CW5 Adam Green



Director of Integration



Mr. Eugene Conner

Single Manager for Conventional Ammunition

Distribution Statement A: Approved for Public Release; distribution is unlimited. PAO Log# 200-24



PM CAS Family of Products

ARTILLERY



155mm XM1155 ERAP



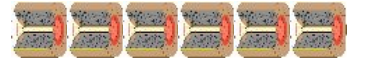
M82E3 Primer



LR-PGK M1171/M1172



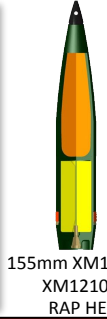
EPIAFS Modernization



Modular Charge Modernization (Zone-6,52-cal)



XM1208 XM1180 C-DAEM

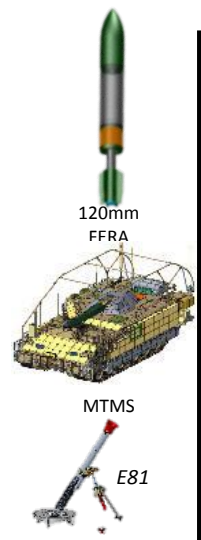


155mm XM1113, XM1210 RAP HE



Concept Development Production/Sustainment

MORTARS



120mm FFRA

MTMS

E81



M32A2 LHMBC (Nett Warrior)



XM395 APMI

81mm HE IM M821A4



Lightweight 60 & 81mm Mortar Systems



Mortar Stowage



M150 MFCS Dismounted



Commanders Interface, SINGARS Radio, Gunners/Drivers Display, MFCFS Software, Pointing Devices Software, M1064, M95/M96 Stryker MFCS Mounted, AMPV



M32/M32A1 LHMBC



M772



M224 60mm Mortar



M120/M121 120mm Mortar



M776 MT Fuze



MOFM M734A1/M783 Fuze



Smoke 60mm - M722A1, 81mm - M81, 120mm - M120



VL Illum 60mm - M721, 81mm - M81

M853A1 120mm - M930



High Explosive 60mm - M720A1, M888/M768/M1066, 81mm - M81, M93, M1066



IR Illum 60mm - M767, 81mm - M81

M816 120mm - M983



Training 60mm - M769, 81mm - M1066

M931

Concept Development Production/Sustainment

PM CAS Family of Products

ARTILLERY PRODUCTS



M777A2



M119A3



D30



M198

SURVEY PRODUCTS



IPADS



LADS



M777 Long Range Cannon



Mobile Howitzer

Multi-Domain Artillery Cannon System

MDACS

INTERNATIONAL PARTNERS



Australia



Canada



India



Iraq



Jordan



Kenya



Saudi Arabia



Ukraine



PM CAS Priorities

- Deliver Ammunition & Weapon Systems to meet or exceed Customer Required Delivery Dates for Mortars and Artillery
 - Support to Ukraine: munitions and towed howitzers
 - Increase production capacity for 155mm munitions
 - Continued emphasis on Safety and Quality
 - Produce and field Second Source Cannons
- Innovate at the Round: Deliver Long Range Mass and Precision Effects
 - Transition Long Range High Explosive Projectiles into production
 - Develop next-generation course correcting fuze
 - Transition Extended Range Artillery Projectiles into Programs of Record
 - Develop and integrate GPS Denied Technologies into Precision Suite of Munitions
 - Develop next generation propulsion systems interoperable with US and allied cannon systems
- Enable and Fulfill International Requirements to Strengthen Partnerships and Alliances
 - Interoperability demonstrations on foreign platforms (52 caliber)
 - Improve Interoperability / Interchangeability with Allied Partners
 - Foreign Military Sales / Direct Commercial Sales
 - Execute Co-development Project Agreements and support Cooperative Research and Development Agreements (CRADAs)





155mm HE Projectile Ramp-Up Monthly Production Capacity

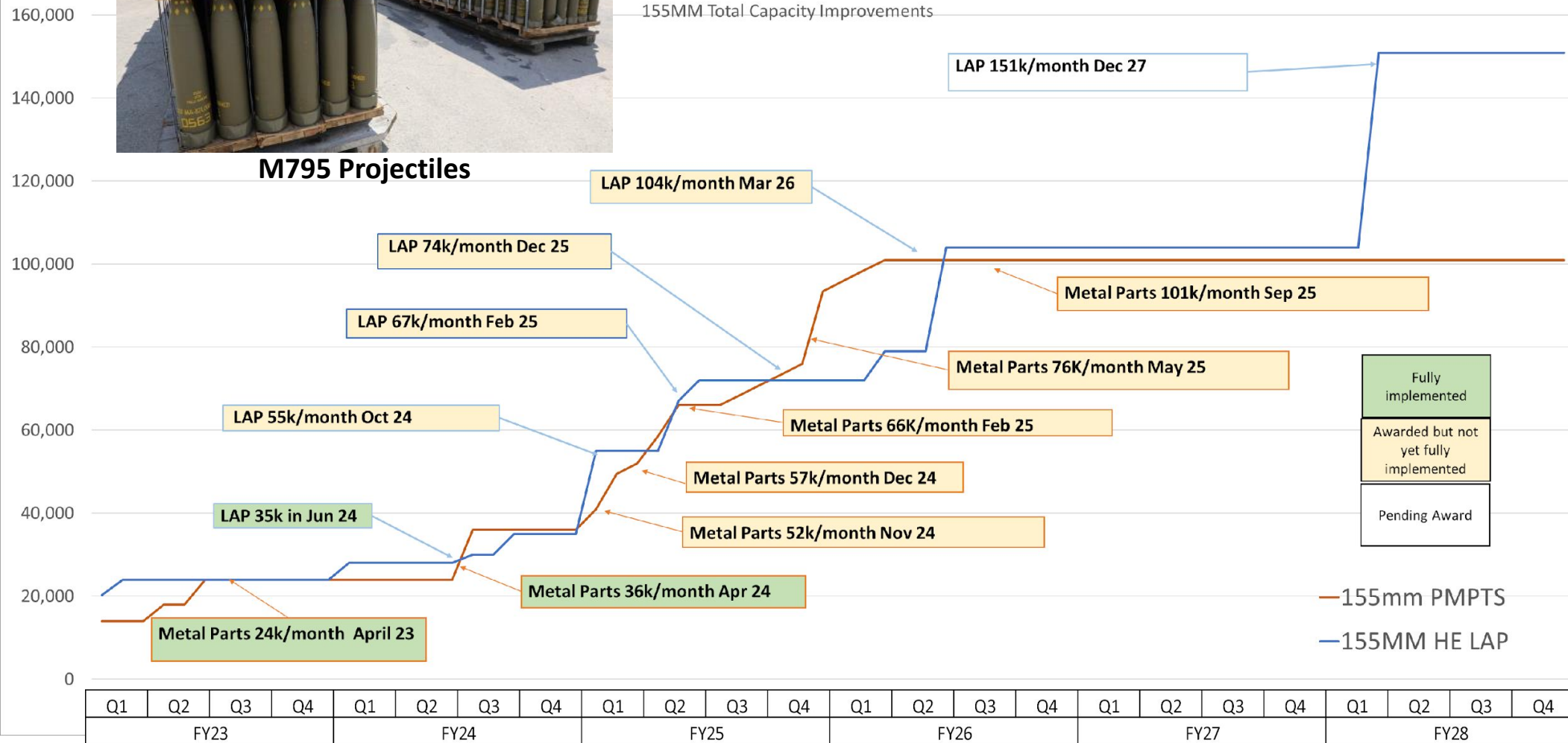


SEP 2024



M795 Projectiles

155MM Total Capacity Improvements



US Fiscal Year 1 Oct – 30 Sep

NOTE: PMPTS = Projectile Metal Parts, LAP = Load Assemble and Pack (completed projectile accepted by the Army)

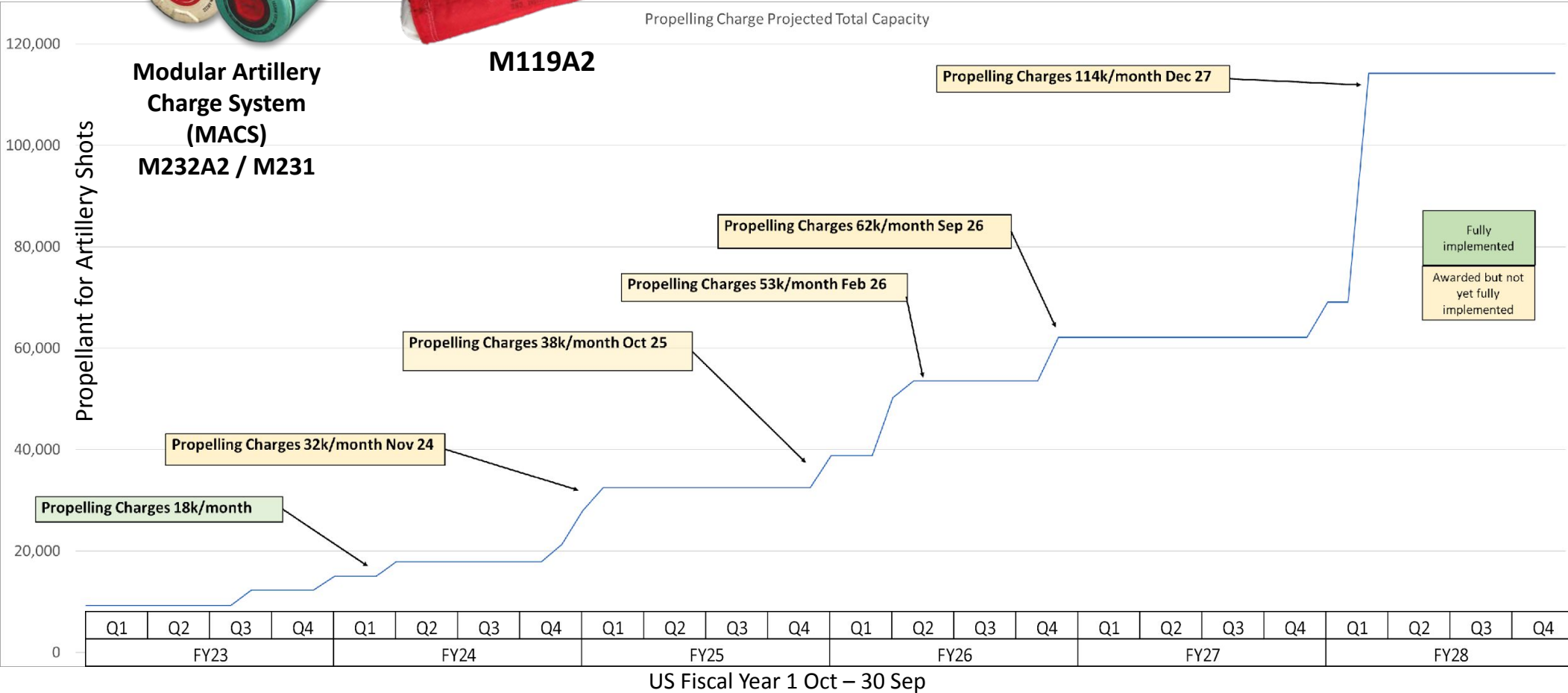


155mm Propelling Charge Projected Capacity

SEP 2024



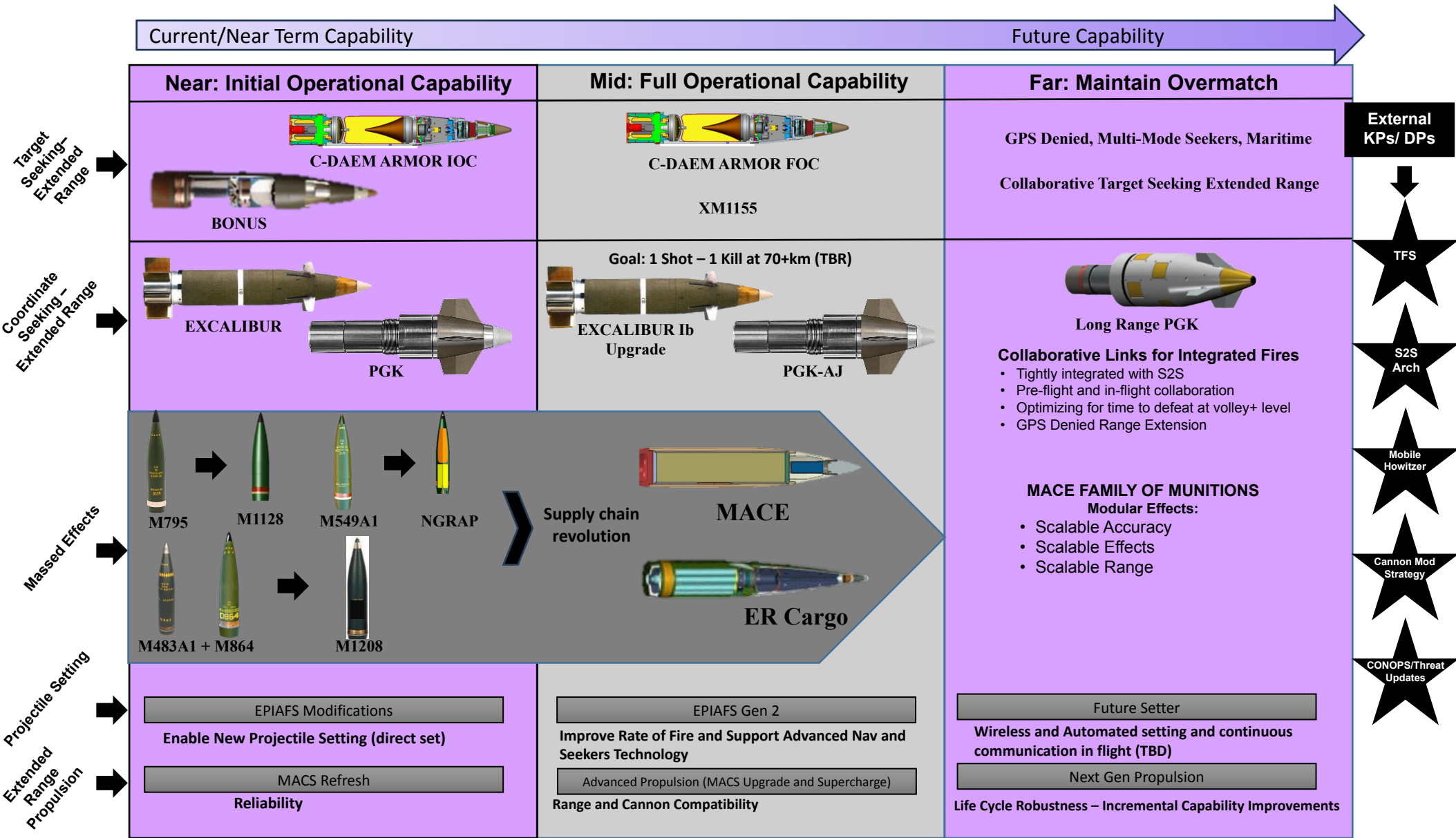
Propelling Charge Projected Total Capacity



NOTE: Propelling Charges normalized (1 M119A2 or 4 MACS per shot)



Innovate at the Round

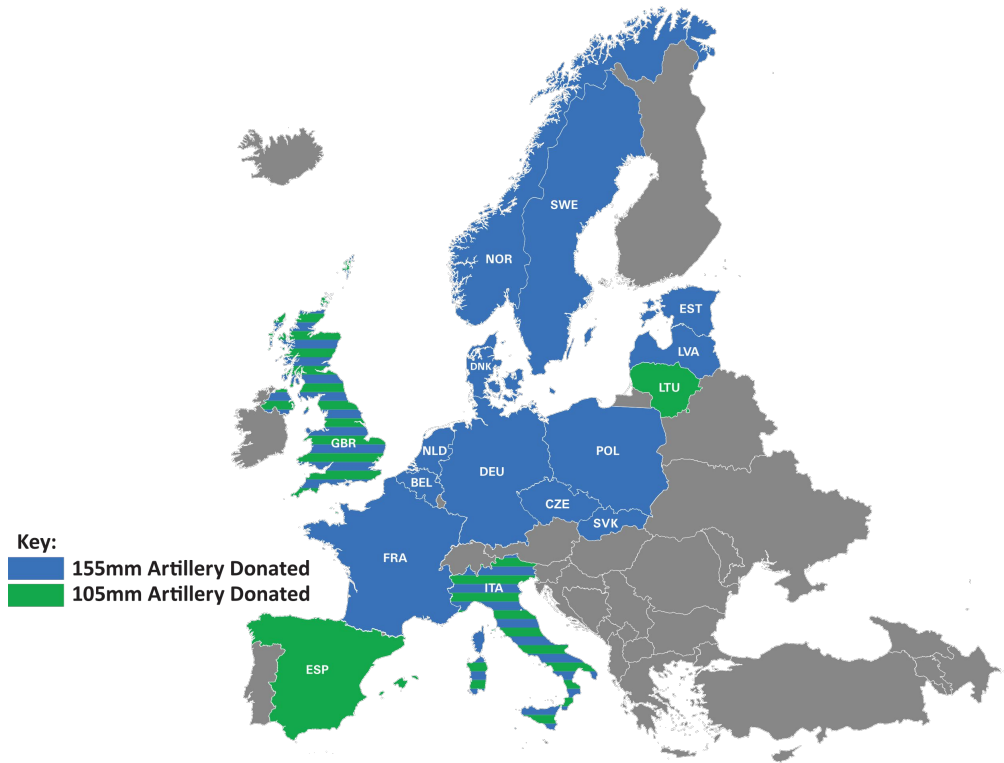


All 155mm Innovation will be compatible with legacy and future 155mm Platforms (M777A2, M109A6/7, DIV SPEAR, and Mobile Tactical Cannon)



Strengthening Our Alliances

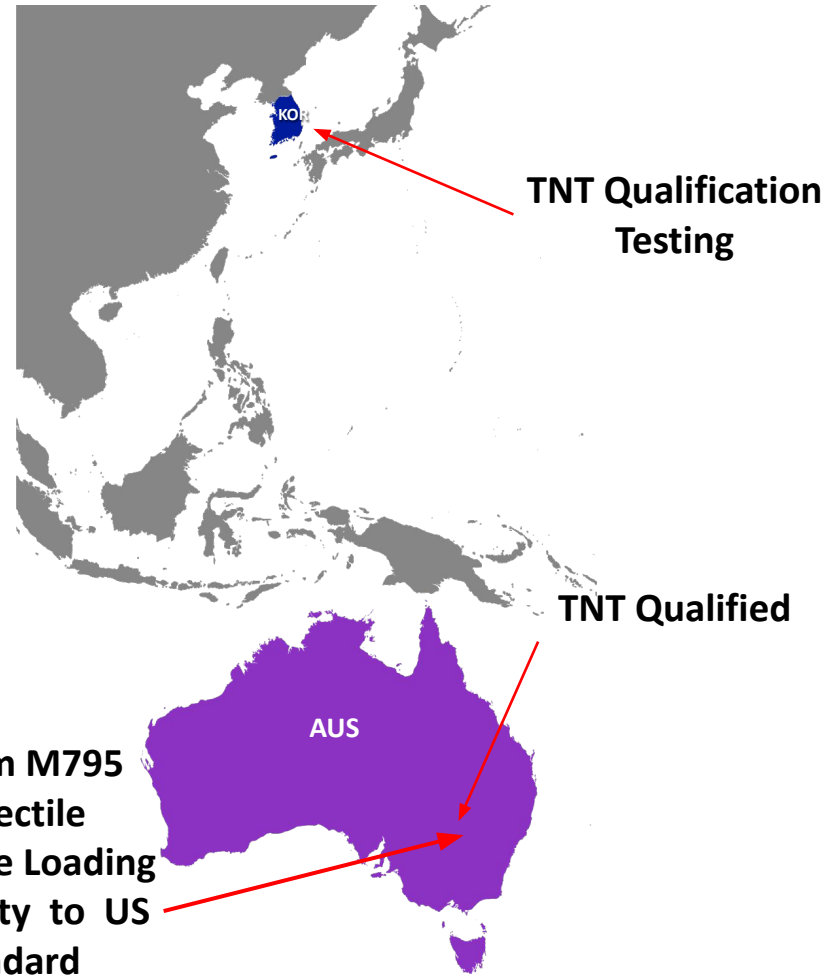
EUCOM



Key:
■ 155mm Artillery Donated
■ 105mm Artillery Donated

Allied Nation weapon system donations to Ukraine that are currently firing US munitions, enabled by US Army technical analysis and delivery of Firing Tables.

INDOPACOM



TNT Qualification Testing

TNT Qualified

155mm M795 Projectile Explosive Loading Capability to US standard

These efforts will increase the visibility of US munition solutions in these regions and contribute to interoperability efforts.



Summary



- US Army is rapidly increasing production capacity of 155mm munitions
- Innovation at the Round
- Interoperability is a Team Effort!

