

Joint Program Executive Office Armaments & Ammunition

Presented to:
Munitions Executive Summit

Presented by:
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Joint Program Executive Officer
Armaments & Ammunition

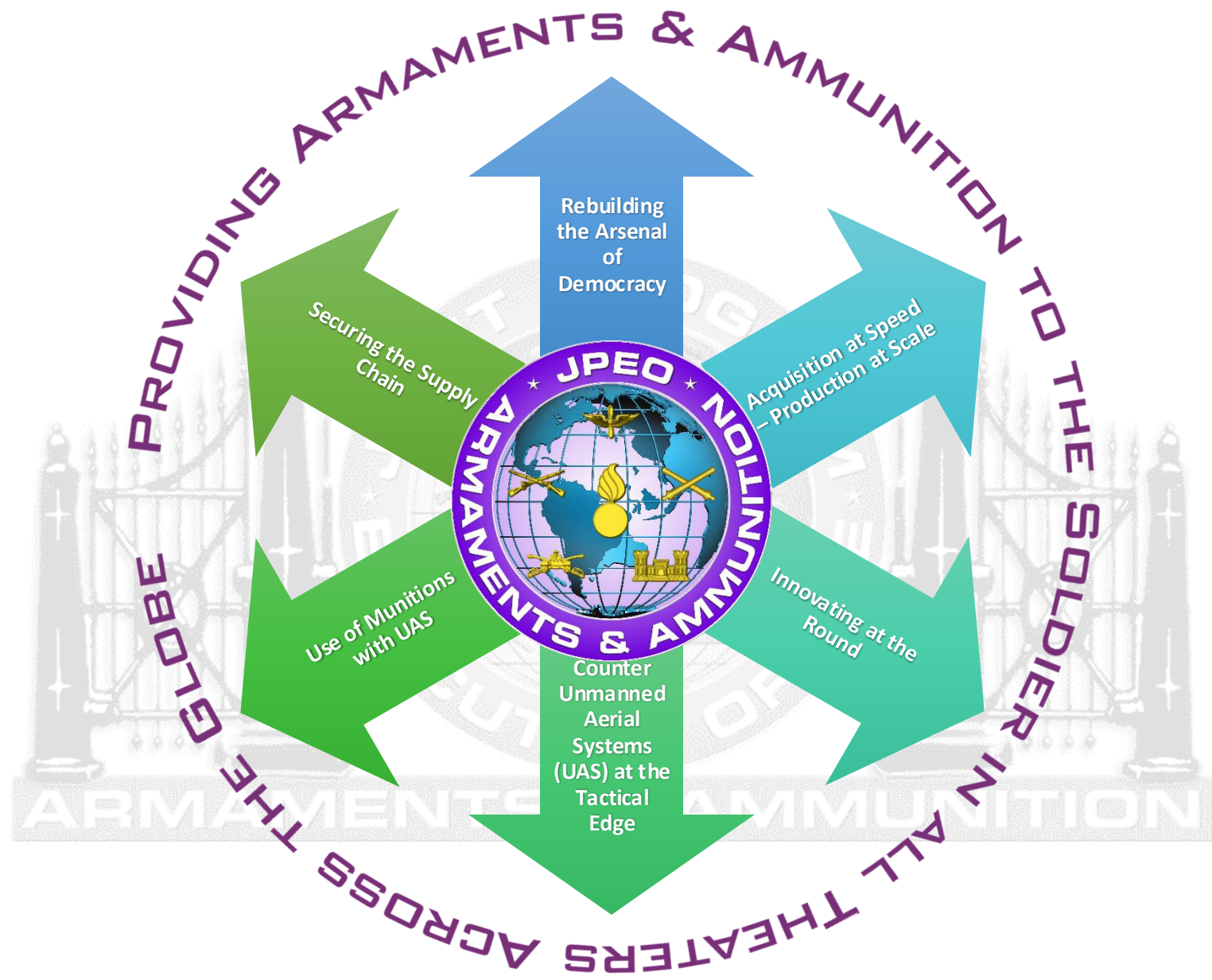
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JPEO A&A's Areas of Interest





Rebuilding the Arsenal of Democracy

Munitions Replenishment and Industrial Base Expansion Assistance

JOINT PROGRAM EXECUTIVE OFFICE ARMAMENTS & AMMUNITION

COMMITMENTS



CONTRACTING ACTIONS

Rapidly Producing and Procuring Systems using Undefinized Contract Actions (UCAs), Indefinite Delivery/Indefinite Quantities (IDIQ) contracts, and other tools.



INDUSTRIAL BASE EXPANSION

Increasing Critical Capability Manufacturing Capacity

Defense Production Act (DPA) Title III **\$373M** Supplemental and Replenishment Funding **\$4.8B**

\$30M Missiles and Munitions
\$343M Strategic and Critical Materials

- \$512M GD-OTS (NEPA) (155mm Shell Bodies)
- \$576M Mesquite, TX (155mm Shell Bodies)
- \$110M GD Camden, AR (155mm + MACS LAP)
- \$100M Timken/Metallics, Canton, OH (HF-1 Steel)
- \$50M Conco, Louisville, KY (Propellant Containers)
- \$77M L3 Harris, Cincinnati, OH (155mm Fuzes)
- \$172M Lake City, MO (Sm. Caliber Modernization)
- \$46M Amitec, Coachella, CA (Propellant)
- \$801M Holston AAP, TN (Explosives)
- \$295M Radford AAP, VA (Propellants)
- \$151M Germany (Nitroguanidine)
- \$178M Iowa AAP, IA (155mm LAP)
- \$36M Parsons, KS (155mm LAP)
- \$565M GD Valleyfield, Canada (Propellants)
- \$88M IMT Defence, Westerville, OH (155mm Metal Parts)
- \$24M Nammo, Perry, FL (Propelling Chgs & M1128 Expan.)
- \$250M DZI, Texarkana, TX (Propellants)
- \$14M GCOEX, Minden, LA (Black Powder)
- \$19M Watervliet Arsenal, NY (M77)
- \$650M Graham, KY (TNT)
- \$150M LOC, TBD (Nitroguanidine Facility)

As of 28 February 2025

Munitions Replenishment and Industrial Base Expansion Assistance

JOINT PROGRAM EXECUTIVE OFFICE ARMAMENTS & AMMUNITION

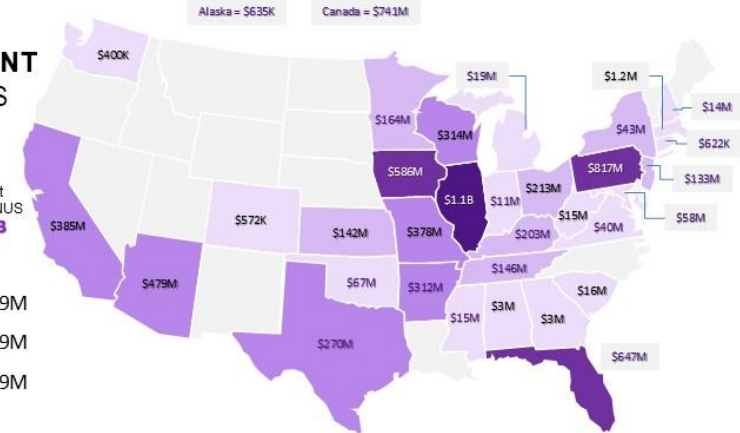
INDUSTRIAL BASE IMPACTS

SAI + REPLACEMENT OBLIGATIONS

\$7.3B

Total SAI + Replacement Obligations including OCONUS producers equals **\$10.2B**

- \$1.0B+
- \$500M-\$999M
- \$250M-\$499M
- \$100M-\$249M
- <\$99M

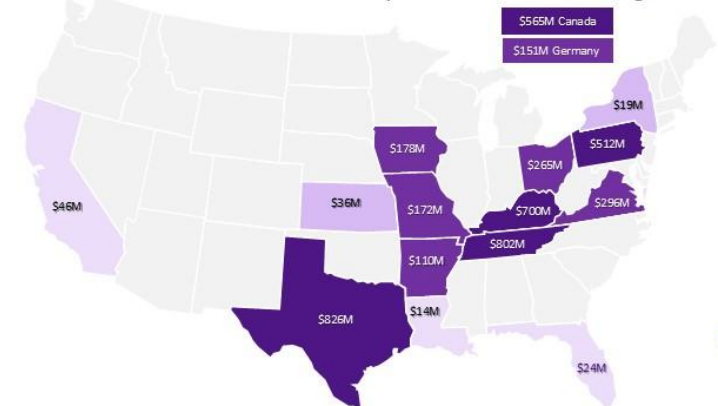


DIRECT INDUSTRIAL IMPACTS

Supplemental and Replenishment Funding

\$4.8B*

- \$500M+
- \$100M-\$499M
- \$50M-\$99M
- <\$49M

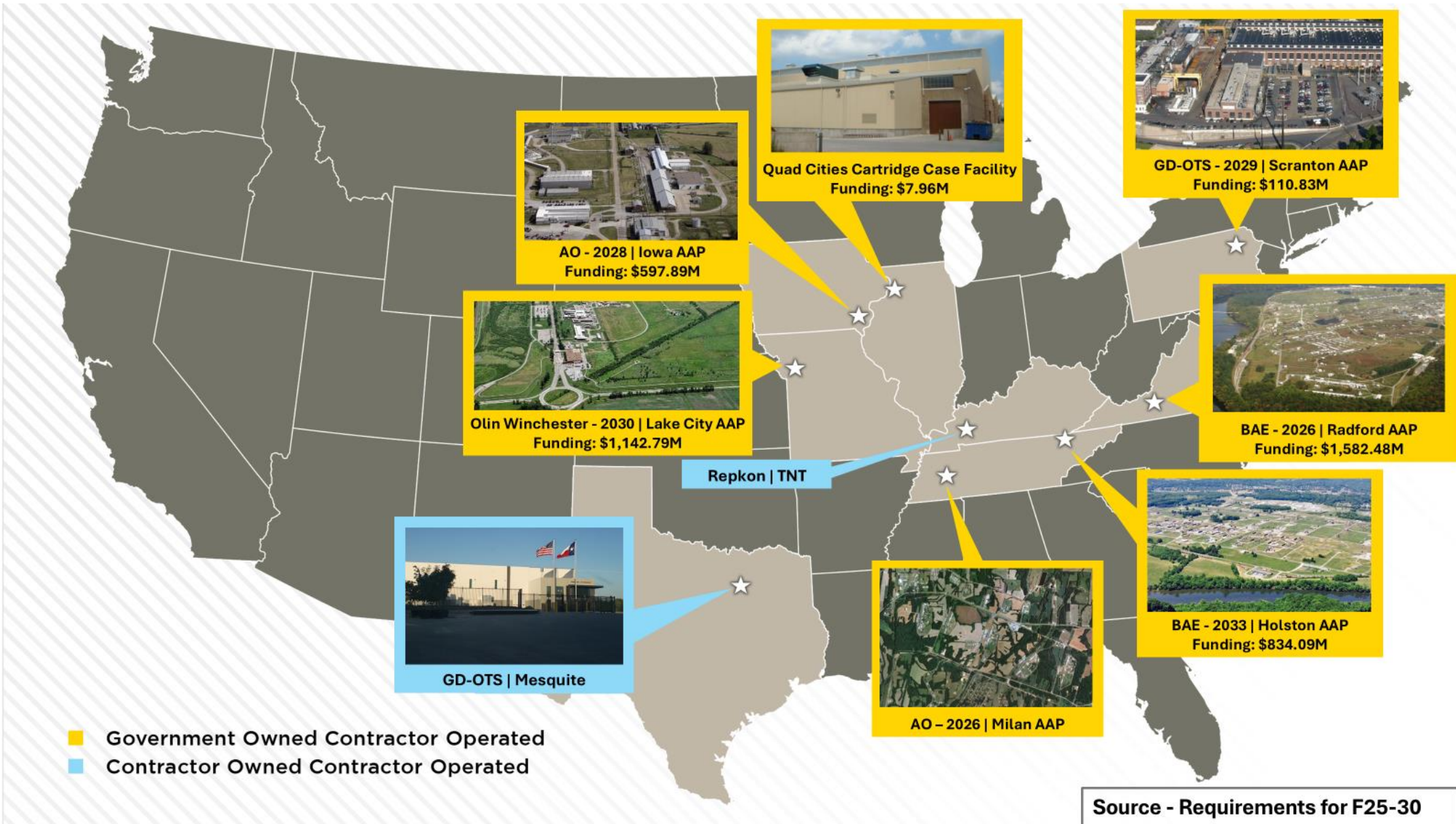


*\$150M CONUS NQ Facility (TBD)

As of 28 February 2025



Government Owned Contractor Operated (GOCO) Facilities

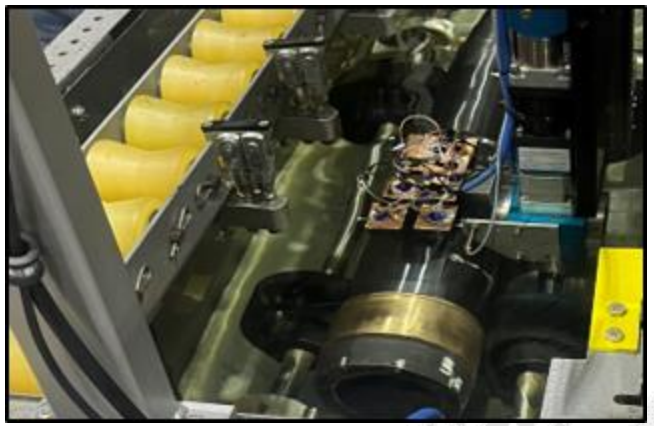


■ Government Owned Contractor Operated
■ Contractor Owned Contractor Operated

Source - Requirements for F25-30



Industrial Base Modernization Efforts



M1128 Shell undergoing Ultrasonic Test at SCCAAP



Refurbished Lathe at NEPA



NAC/SAC Reactivation at HSAAP



Band Weld Cell Installation at IMT



LAP Automated Receiving Inspection at Camden, AR



Bag Carrier and Conveyor for Propelling Charge LAP at Marion, IL



TNT Multi-pour loader for LAP at Parsons KS



Innovate at the Round

Counter UAS Capability with Proximity Fuzes

SGT Stout M-LIDS
AH-64E Mk19/CROWS

XM1198 HEDP XM1211 HEP XM1223 MMPA
M789 HEDP XM1225 APEX XM1228 BADGER
SMAC'D

Combines capability of High Explosive Proximity (HEP) and Point Detonating (PD) rounds to be 5x more effective against small unmanned aerial system (sUAS)

6.8mm Next Generation Squad Weapon & Ammo

XM7 XM250

5.56mm 6.8mm Tracer
6.8mm GP 6.8mm SP
6.8mm RRA

6.8mm CCMCK
6.8mm OWL

Addresses the gap in defeating emerging protected and unprotected threats and reduces the number of rounds required to achieve effects

Multi-caliber sUAS Lethality & Integration

Army J-sUAS Platforms

Fielded Payloads:
Family of Hand Grenades, M112 C4

Modified Fielded Payloads:
Family of SLM, Shaped Charges, Mini-Claymore, M250 CAVM, M224A1 Mortar

Purpose-Built Air Droppable Munitions

Multi-Caliber Air-droppable Lethal & Protective Payloads - Utilize fielded and modified fielded payloads to deliver sUAS effects and purpose-built munitions

155mm Artillery & Long Range Precision Fires

Paladin M777A2

Excalibur PGK M795 M483A1 + M864
C-DAEM Armor IOC

Excalibur Upgrade PGK-AJ M1128 M1208
C-DAEM Armor FOC

Long Range PGK Supply Chain Revolution MACE XM1155 ER Cargo
GPS Denied, Multi Mode Seeker

Innovation for munitions, advanced propellants, and fuze setters compatible with legacy and future platforms for extended range in GPS denied environments



Acquisition at Speed – Production at Scale



- Acquisition at Speed
 - Innovate at the Round – new 155mm cargo rounds that carry kinetic and non-kinetic payloads, programmable proximity solutions for medium cal ammo, etc
 - Supply chain and production capacity planning must parallel technology development – We must be able to quickly transition new capabilities into high-rate production
 - 2nd/3rd tier supplier visibility and engagement strategy
 - Award contracts and definitize UCAs in a timely manner
 - Develop novel fuzing and integration systems to integrate lethality on common UAS platforms
 - Leverage existing weapon systems for kinetic Counter UAS capability
 - Medium and small caliber kinetic
 - Non-kinetic possibilities
- Production at Scale
 - Robust supply chains including multiple sources with surge capacity
 - Design out fragile sources of supply
 - Shift to reliable domestic sources for precursors
 - Establish delivery order range pricing for rapid future execution