



# US Army Materiel Command (AMC) Office of the Chief Technology Officer (CTO)



## CTO Overview



UNCLASSIFIED



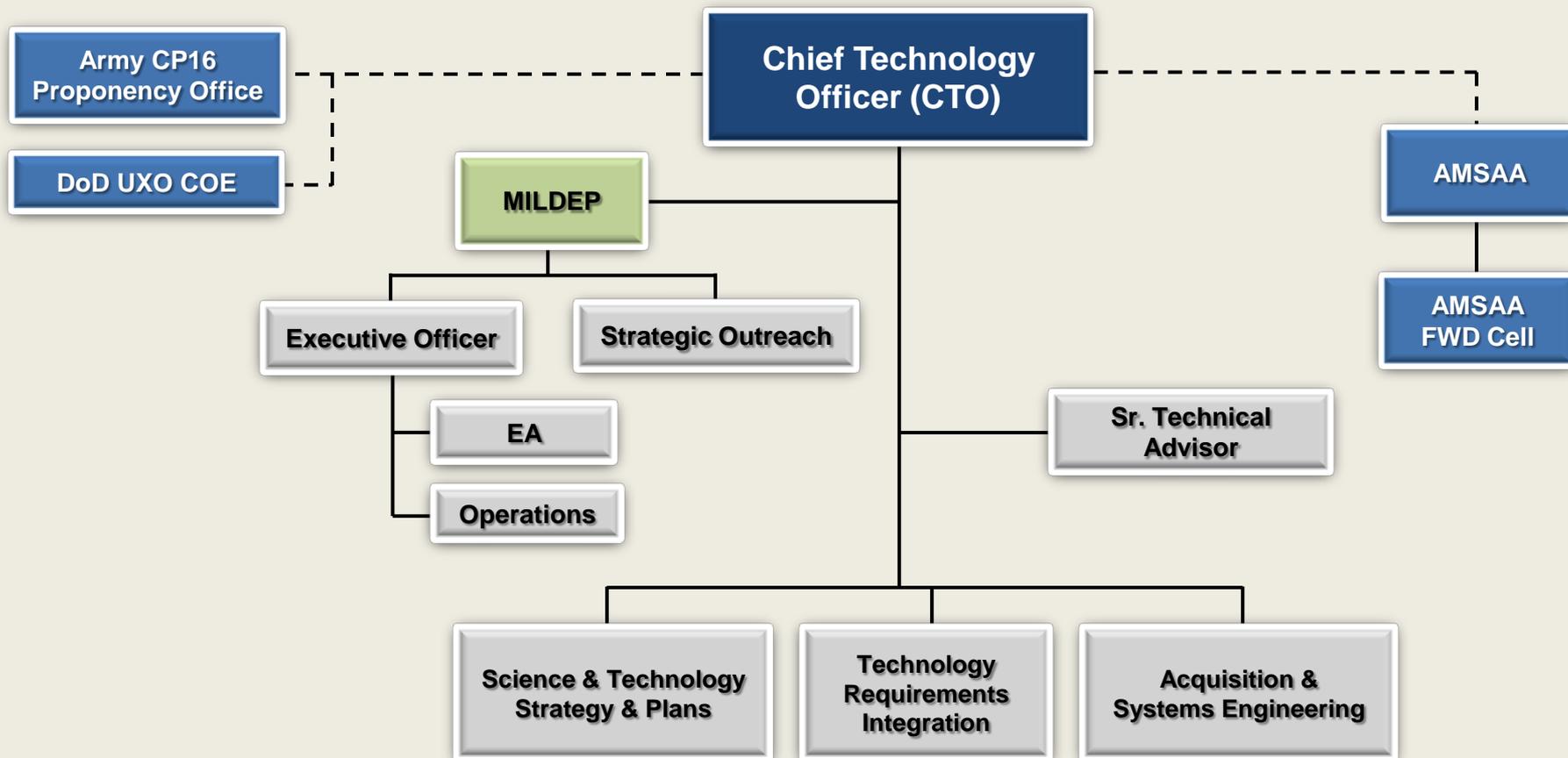


# CTO Organizational Structure



## MISSION STATEMENT

***AMC's technical authority and executive agent for internal and external coordination (OSD, HQDA, ASA(ALT), TRADOC) - responsible for managing research, development, and acquisition processes, S&T strategy, and associated resources within the command; coordinates the identification, synchronization and transition of technology & engineering solutions across the life-cycle.***





# CTO Focus Areas

## Technology Requirements Integration

*...Requirements assessment and investment synchronization*



## Science & Technology Industry Engagements / Academia / HBCU

*...STEM outreach and engagement with Academia and industry*



**AMSAA**

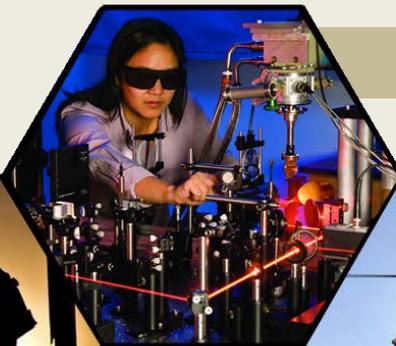


*...State-of-the-art analytical solutions for equipping and sustaining*

# CTO

## Science & Technology Strategy & Plans

*...Strategy development; future force planning; integration of plans, strategies & resources*



## Acquisition & Systems Engineering

*...Strategic Acquisition support*



CP<sub>16</sub>

## Army CP-16 Proponency Office

*...Enterprise career program management and human capital maturation*



## DoD UXOC CoE

*...Serves as DoD's technology clearinghouse for its explosives hazards detention and neutralization program*



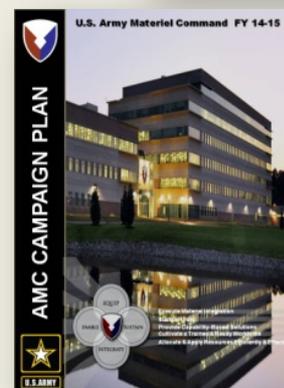


# Science & Technology Strategy & Plans



## CORE FUNCTIONS:

- Synchronizes RDT&E Strategy, Plans, Metrics, Long-Range Investment Requirements Assessment (LIRA), and the Equipping Program Evaluation Group (EE PEG).
- Serves as the RDT&E Resource Management (6.1-6.7 funds) for the CTO
- Manages RDT&E Studies and Modeling and Simulations (M&S)
- Provides RDT&E Lab Management and Infrastructure Oversight
- Manages Rapid Innovation Funds & Prioritization





# Technology Requirements Integration



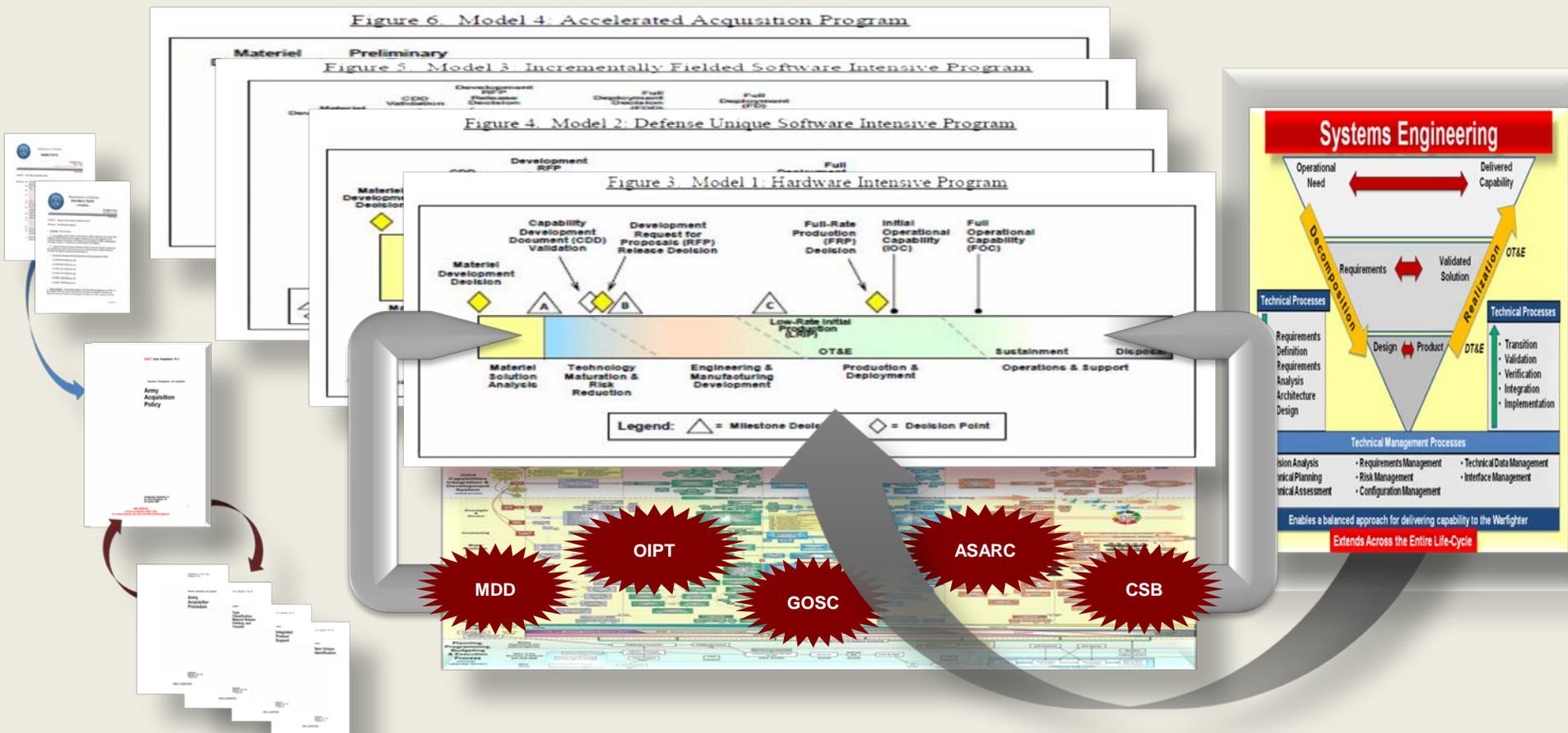
## CORE FUNCTIONS:

- **Manages the planning, coordination, synchronization, transition and integration of AMC's Research, Development and Engineering Products and Activities.**
- Provides Strategic Analysis to shape / inform the S&T investment strategy by monitoring, assessing & evaluating Warfighter needs against the AMC S&T Portfolio.
- Develops and publishes Annual Guidance to communicate priorities and synchronize AMC's RD&E Enterprise.
- Coordinates & executes RD&E Enterprise management venues and activities to assess Portfolio performance, priorities and facilitate technology transition.
- Coordinates the integration of AMC technologies in experimentation venues (eg: NIE/AWA, AEWE) in order to:
  - *Assess technologies in an operational environment*
  - *Facilitate technology transition*
  - *Shape the S&T investment strategy*





# Acquisition & Systems Engineering



## CORE FUNCTIONS:

- Facilitate acquisition & systems engineering processes within AMC
- Advise the CG, AMC on Army Acquisition processes
- Provide acquisition oversight, policy, planning, assessments, and direction for AMC
- Advise the CG, AMC on Army System Engineering
- Provide policy, strategy, plans, priorities, processes to synchronize systems engineering throughout AMC(LCMCs and R&D centers), & other Army and DoD organizations



# Strategic Outreach: Science & Technology Industry Engagements / Academia / HBCU



## CORE FUNCTIONS:

- Enhances the research and educational capabilities of such institutions in areas of importance to AMC, especially involving Science Technology Engineering and Mathematics (STEM)
- Encourages participation of institutions in the research, development, testing, and evaluation programs and activities of AMC
- Develops programs that increase the number of graduates from institutions engaged in disciplines/technologies important to AMC
- Develops pathways to enable graduates from institutions through existing programs or new ones
- Encourages research and educational collaborations between institutions and other areas of higher education, government defense organizations, and the defense industry
- Evaluates program metrics affecting institutions across the AMC Enterprise
- Advises and supports the CTO with Congressional and Industry matters; Serve as the CTO's focal point for statements and responses to industry and congressional inquiries

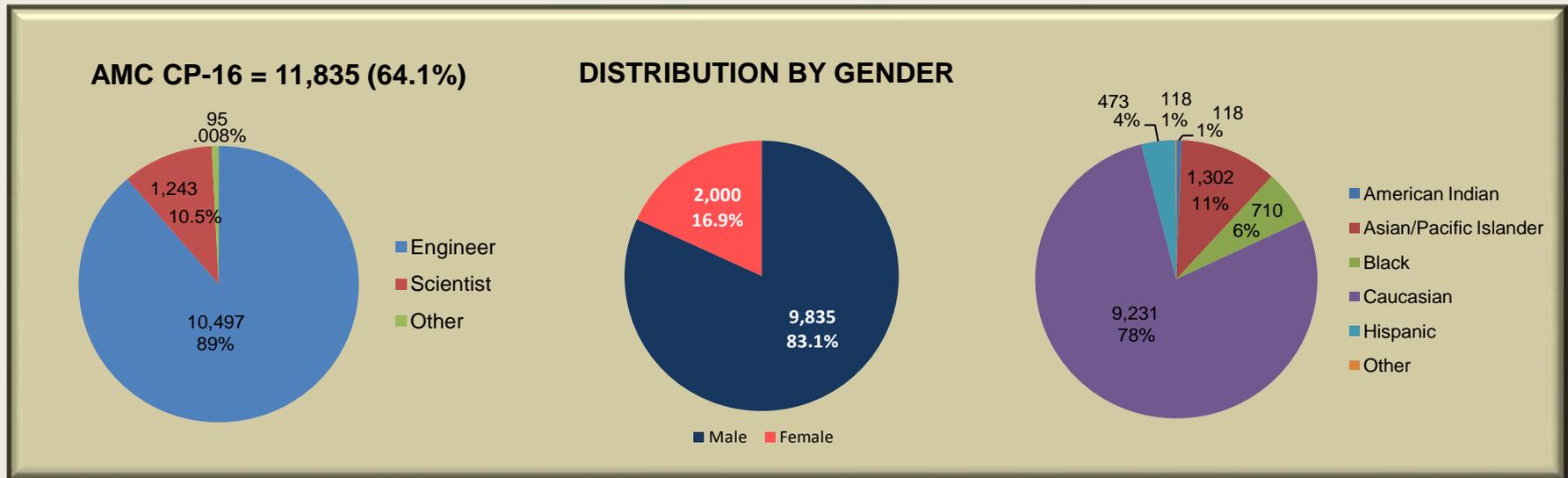




# Army CP-16 Proponency Office



ARMY CP-16 ENG & SCI = 18,487



## CORE FUNCTIONS:

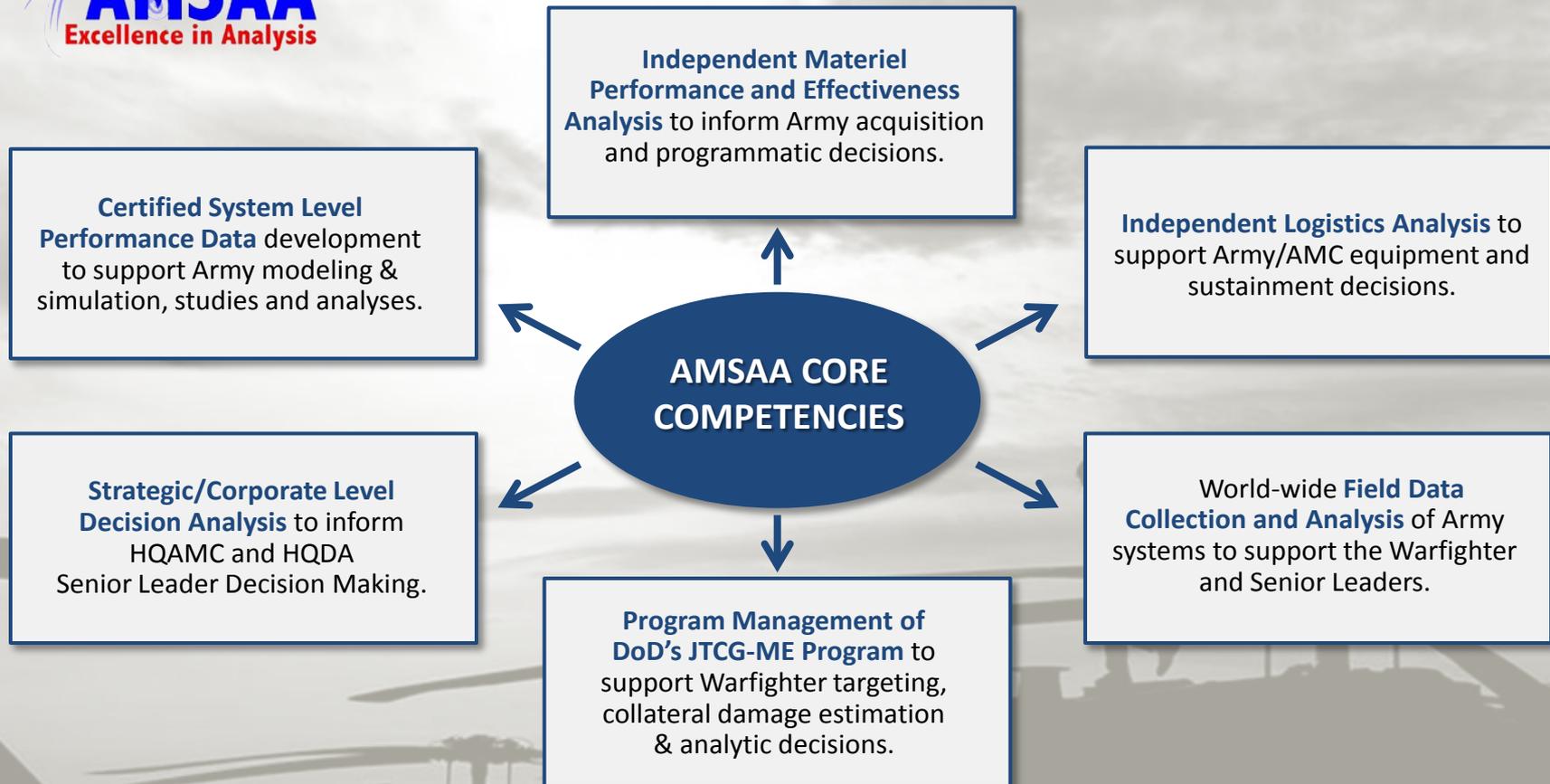
- Conduct Strategic Human Capital Assessments
- Manage Training, Development and Education Program
- Manage Intern Program
- Manage policies and procedures

cp  
16

<https://actnow.army.mil/wps/myportal/act/CareerResources/CareerPrograms/CP16>



# AMSAA's Core Competencies





# DoD Unexploded Ordnance Center of Excellence



## MISSION

Serve as DoD's technology "clearinghouse" for its explosives hazards detection and neutralization program in order to acquire technologies in a cost effective and efficient manner through joint collaboration and leveraging of investment dollars.

## PRINCIPAL MEMBERS

- Under Secretary of Defense for Acquisition, Technology and Logistics
- Chairman of the Joint Chiefs of Staff
- Assistant Secretary of Defense for Research and Engineering
- Director of Operational Test and Evaluation
- Assistant Secretary of Defense for Special Operations and Low Intensity Conflict
- Military Department Secretariats (Secretary of the Army – Executive Agent)

