



United States Army Cyber Center of Excellence

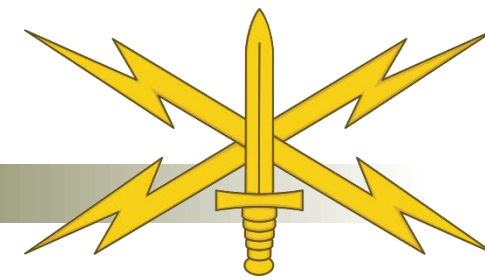
U.S. Army Cyber School Update

AFCEA TechNet
17 August 2021



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Agenda



- Mission/Vision
- Strategic Plan
- Cyber Corps At-a-Glance
- Acquiring Talent
- Throughput
- Transforming Electromagnetic Warfare Curriculum
- Cyber and Electromagnetic Warfare Training Strategy (CEWTS)
- Employ of the Corps



U.S. Army Cyber School

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Mission:

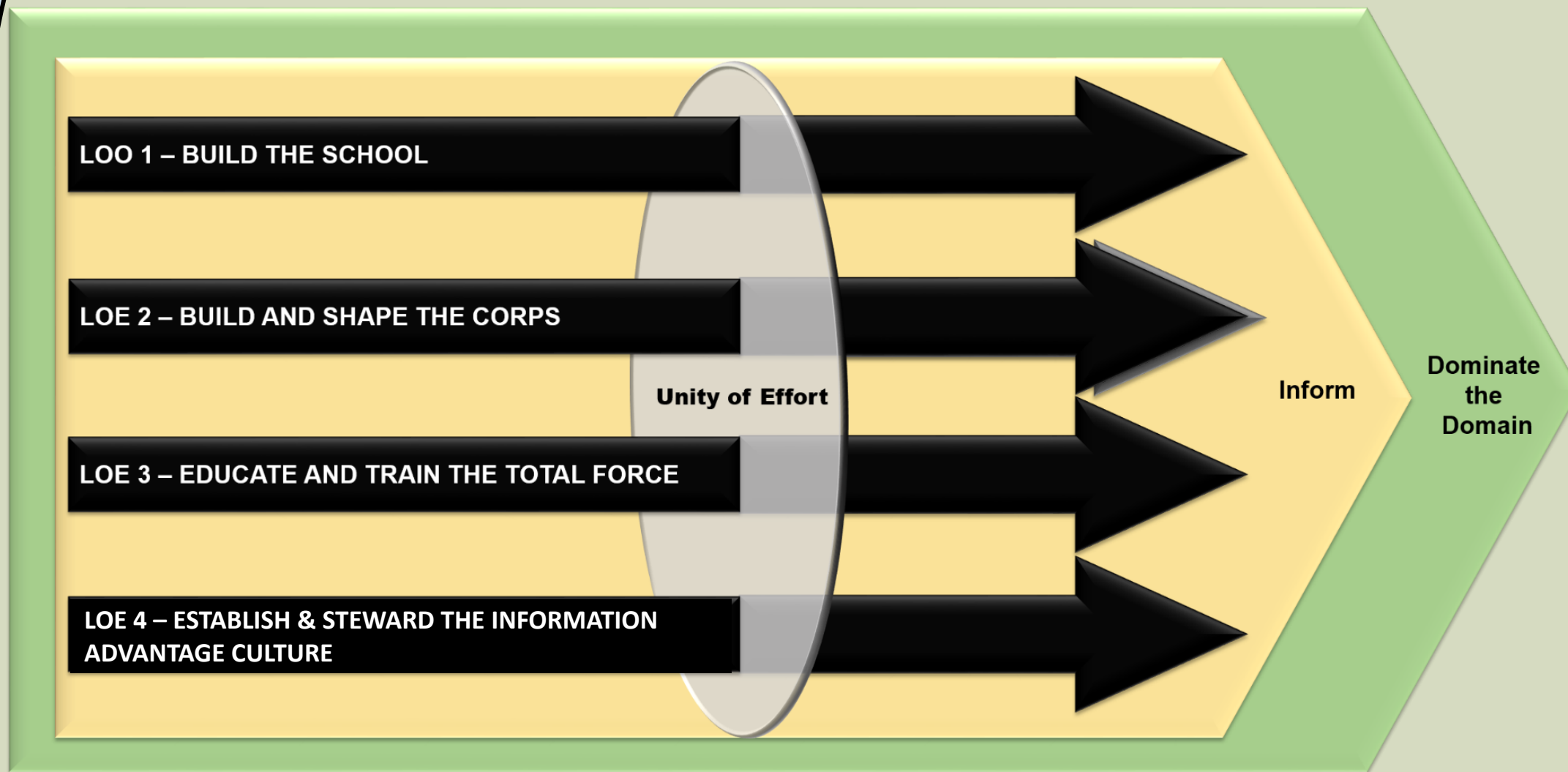
The Cyber School **acquires** America's most talented and innovative citizens and **develops** them into the world's most lethal, professional, ethical, and technically competent Cyber Warfare and Electronic Warfare workforces.

Vision:

To become the **world's leading organization** in educating, training, and developing DoD's Cyber Warfare and Electronic Warfare forces of choice through focused and purposeful career paths and academic programs with four core strengths: **intellectual curiosity, operational competency, mental agility, and persistent collaboration.**



USACyS Priorities



END STATE

A fully matured school manned and equipped to accomplish its training and branch proponent missions

A unified team that delivers integrated DOTMLPF-P solutions to the operating force

An informed, cohesive Cyber Corps that speaks with one voice

Deliver A Skilled Workforce

Drive Integrated Capabilities

Transform the CCoE & Fort Gordon

Steward the Profession

Develop Leaders

Drive Change





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Cyber School Priorities



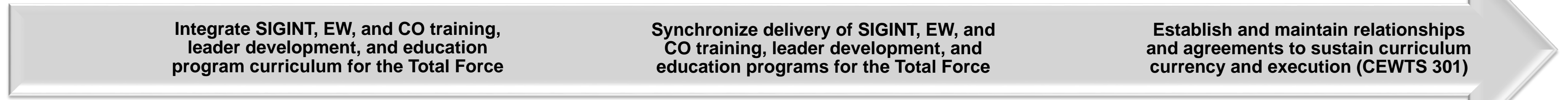
LOO 1 – BUILD THE SCHOOL



LOE 2 – BUILD AND SHAPE THE CORPS



LOE 3 – EDUCATE & TRAIN THE TOTAL FORCE



LOE 4 – ESTABLISH & STEWARD THE INFORMATION ADVANTAGE CULTURE





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Cyber Corps At-a-Glance



History *(abbreviated)*

- **Newest Branch in the Army**
- **Cyber Branch Established – 1 Sep 2014**
- **Direct Commissioning Authorized – 27 Oct 2018**
- **Electromagnetic Warfare Integrated into the Branch – 1 Oct 2018**

Size of the Force *(in total authorizations – FY21)*

Active Component

Officers: **863**

Warrant Officers: **393**

Enlisted Soldiers: **1,872**

Army National Guard

Officers: **283**

Warrant Officers: **277**

Enlisted Soldiers: **835**

Army Reserve

Officers: **124**

Warrant Officers: **114**

Enlisted Soldiers: **237**



Total Force: 4,998 (Military)

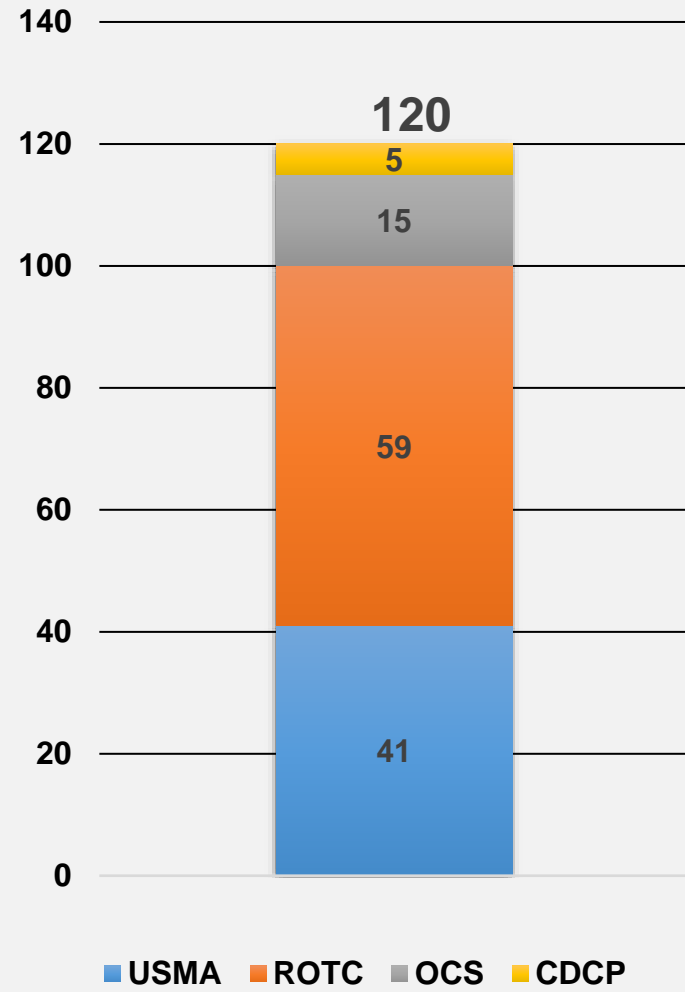


Acquiring Talent in FY21

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Officer



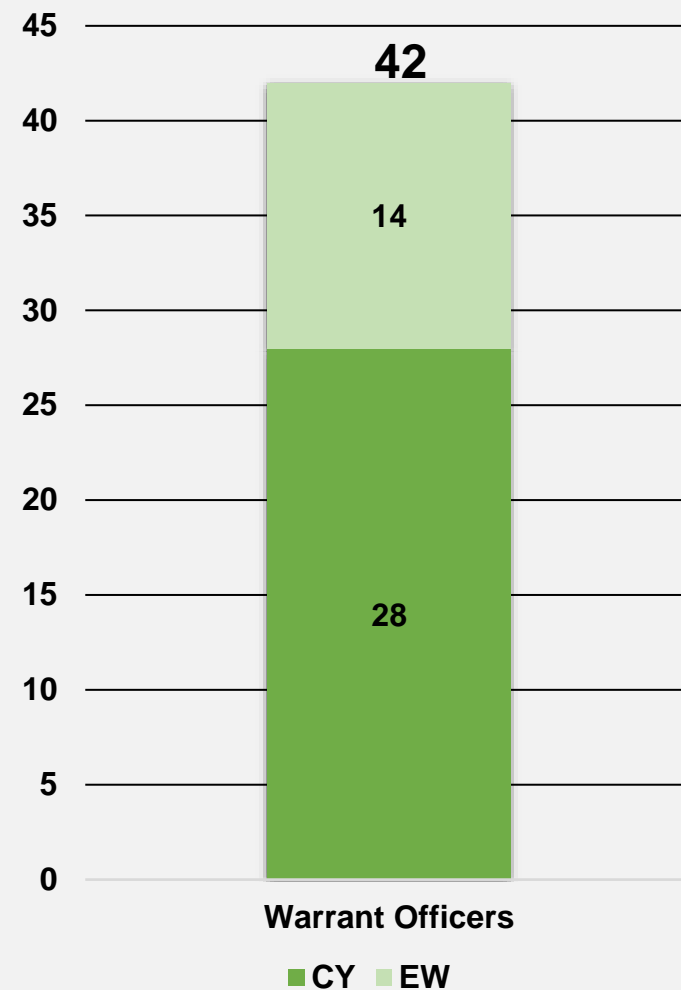
Highlights

- Cyber Assessment and Selection Program - 17A/B/D
- Cyber Direct Commissioning up to COL/O-6
- Cyber ROTC Scholarships

Highlights

- 23% have bachelor's degrees
- 37% score ≥ 93rd percentile of ASVAB
- JROTC initiatives with ASA M&RA and Univeristy of San Diego

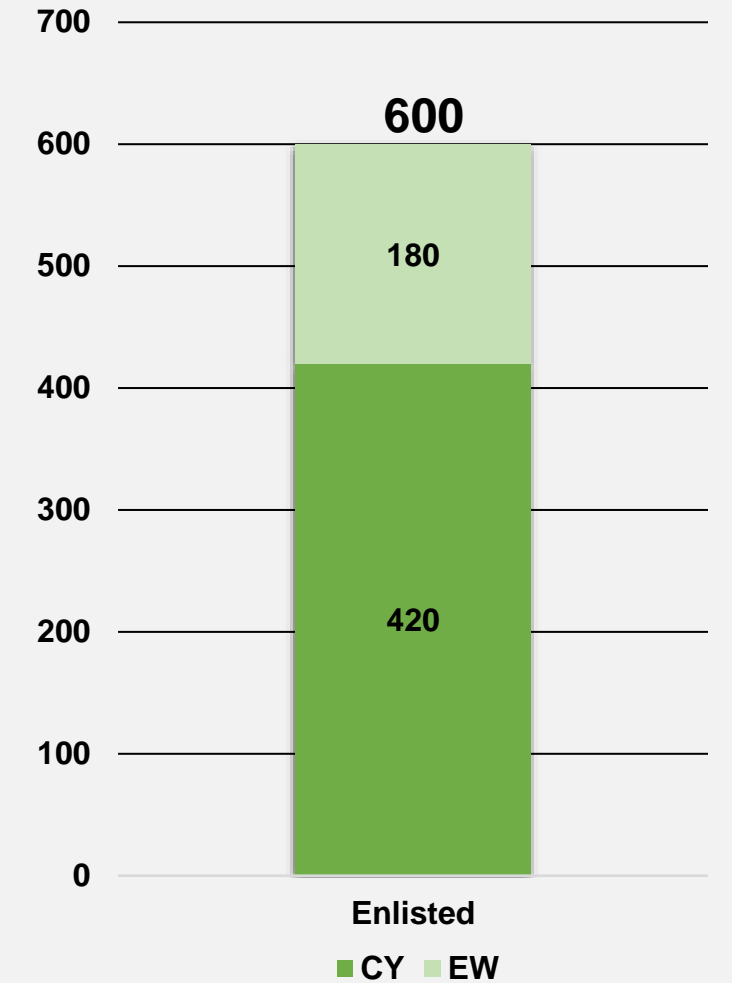
Warrant Officer



Highlights

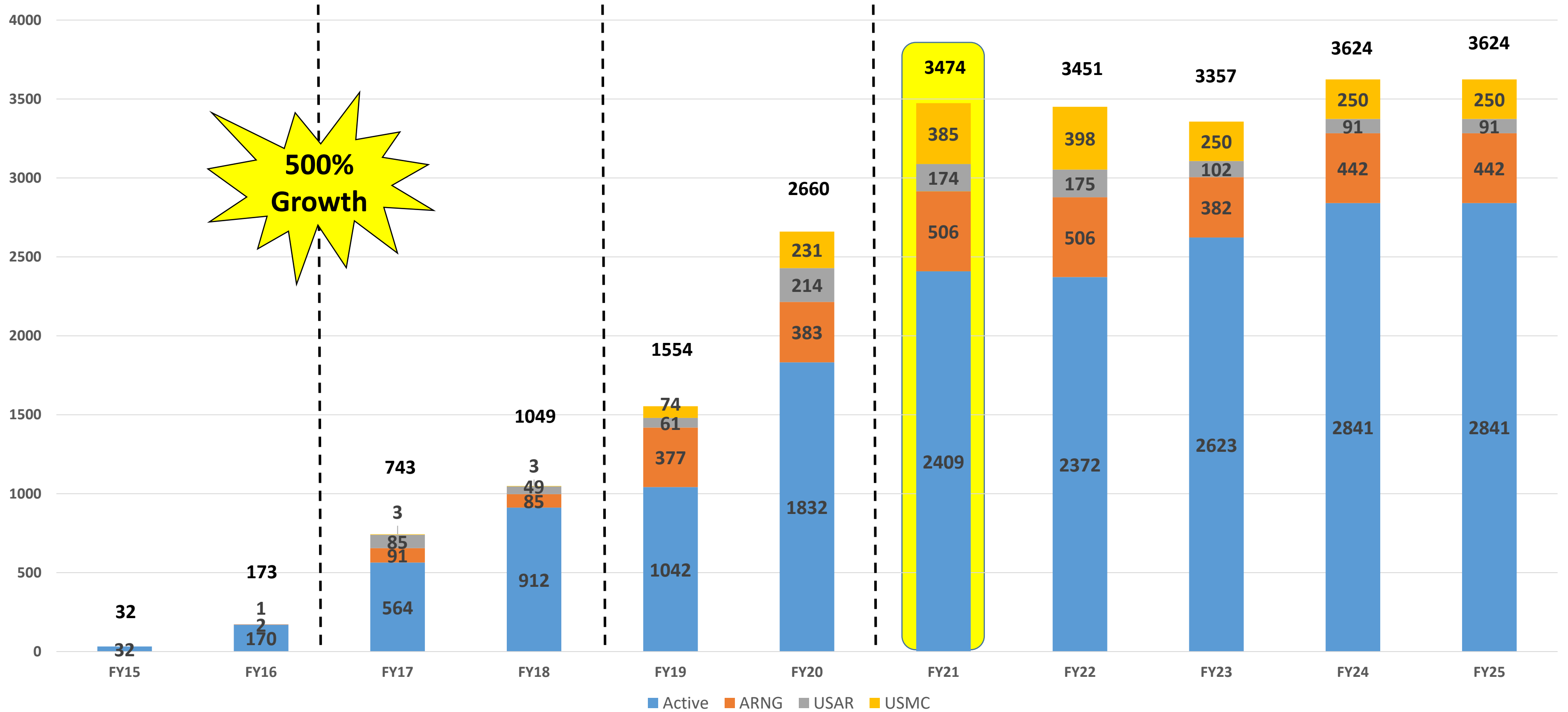
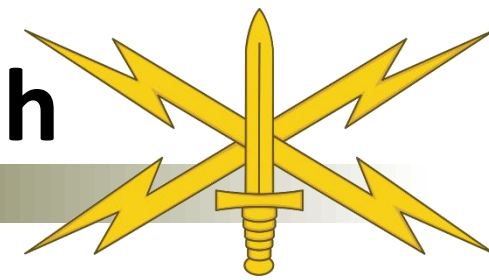
- Aggressive inter-service recruiting
- Capabilities Development Technician
 - Street-to-seat accessions for 170D

Enlisted





Proponent and School Foundation Built → Unprecedented growth



500% Growth

Doubling Student Load to Meet the Demands of the Operational Force



Rapidly Building the EW Workforce of the Future



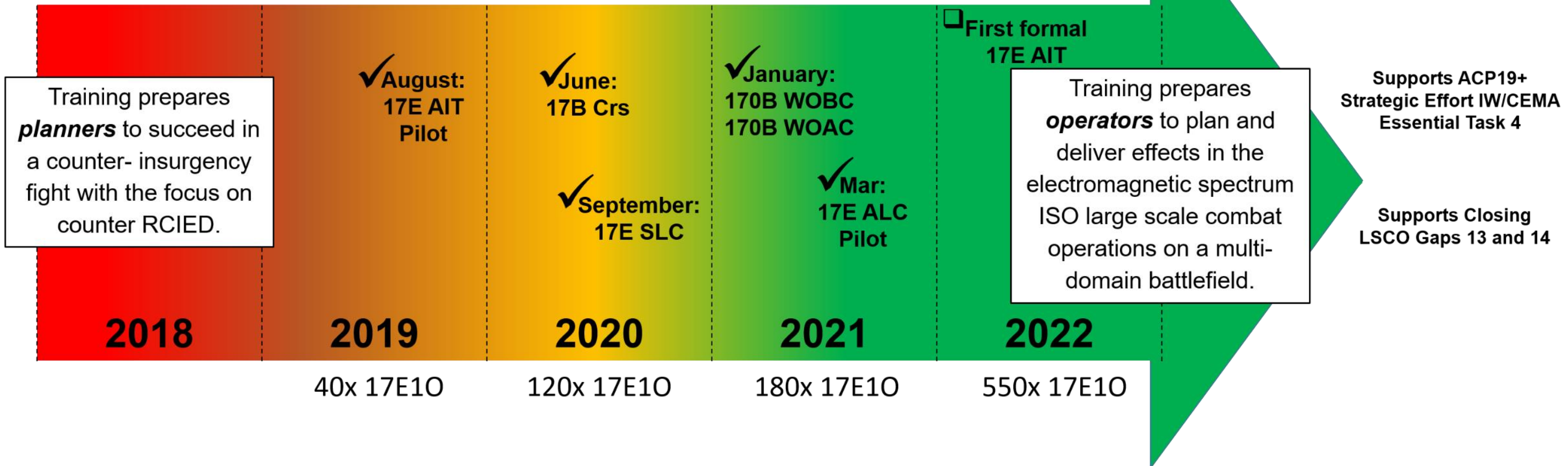
EW Training at Fort Sill, OK

EW Training is not just transitioning to Fort Gordon, it is being transformed to meet the needs of LSGCO on the future MD battlefield.



EW Training at Fort Gordon, GA

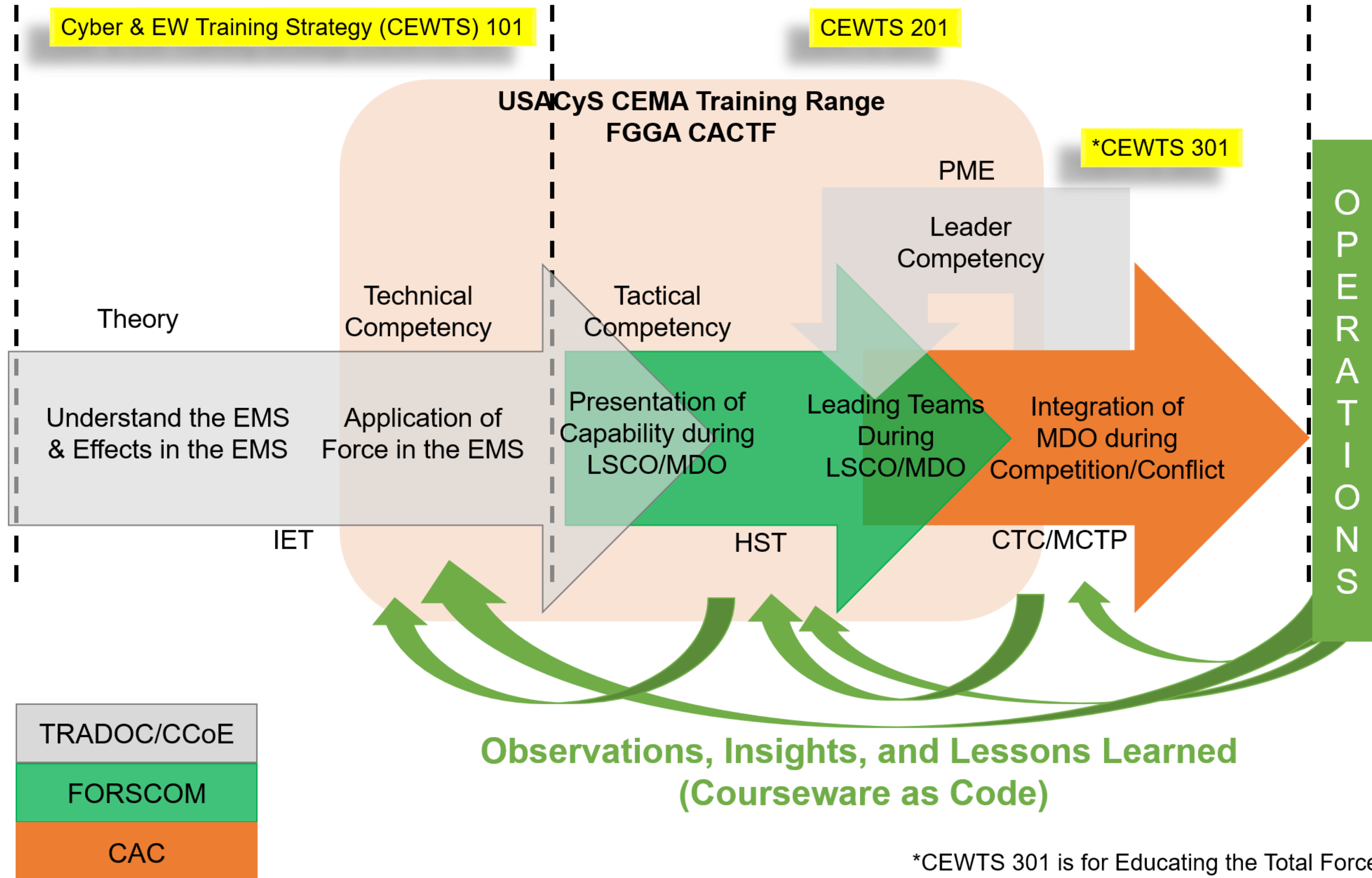
Training Transformation Dates





EW Workforce Training: Institution to Home Station

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TRADOC/CCoE
FORSCOM
CAC

*CEWTS 301 is for Educating the Total Force



USACyS Cyber & EW Training (Current & Proposed Locations)



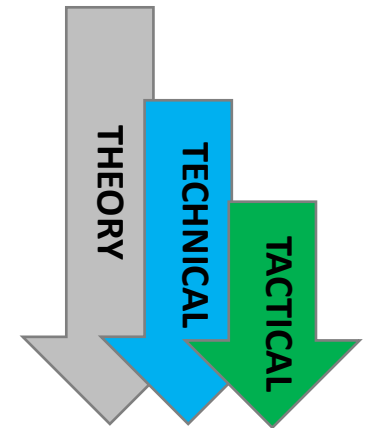
Adding Tactical Cyber Tasks to 17C10 AIT FTX

First Ever 17E10 AIT

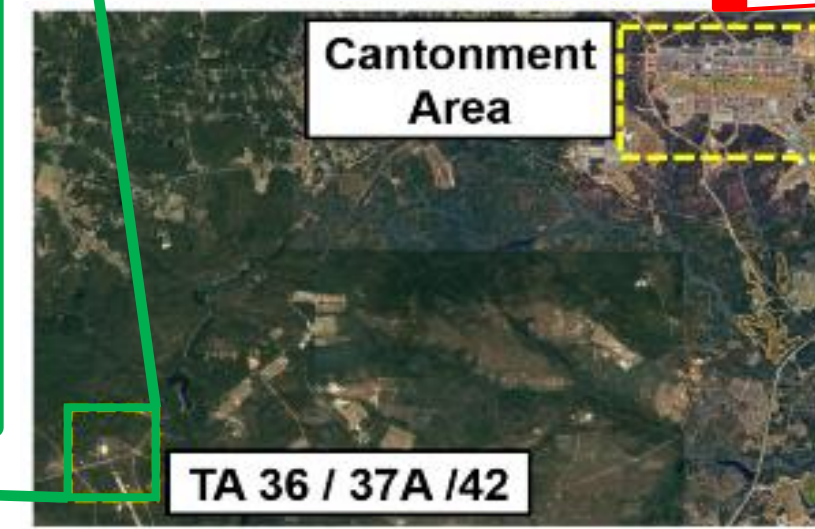
- Two (2) initial classes began FY19
- Increased to six (6) classes in FY20
- Will average 500-800 personnel each year
- Increased training from 9 weeks to >28 weeks

Proposed: TA 36 / 37A / 42

Hours	Delivery
363	Instruction and Discussion
103	Practical Exercise
40	Software Defined Radio Lab
180	Basic Electronics Lab
88	EWPMPT Lab
97	Radio Controlled IED Lab
150	CEMA Range



Current



TA36/42

**SSG Anthony Davis
CEMA Training
Range Complex**

- All sites can be controlled by Main Town or Independently
- Functional Radio Station (1W)
- Network Integration from cantonment via Cyber School Training Network (CSTN)
- Incorporate multiple building materials (glass, wood, steel, rebar, shielded, concrete etc.)
- Functional transmitters on buildings- allows CADRE to change environment as needed
- Tunneling Network
- Near Peer GPS replication
- Integrated ICS/ SCADA
- Cellular Communications (2G, 3G, 4G, 5G)
- Wi-Fi & Bluetooth enabled infrastructure

Residential Town 2 Site 4

Small Town Site 3

Residential Town 1 Site 2

Main Town Site 1

**SSG Jesse Williams
EW Range Operations and
STX Facility**

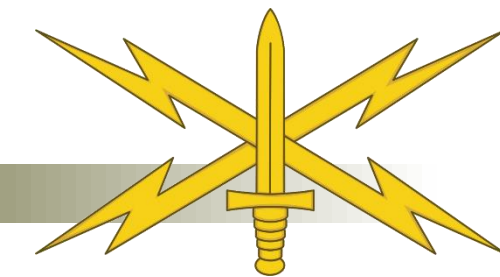
- Tactical Vehicle Parking
- Range Operations
- Range Lab and AAR Facility
- Male/ Female Bivouac
- Aerated Latrines
- Covered Mess and Training Shelters
- EW Maintenance
- Fixed Site EW Training
- Bleacher Enclosures
- Bus-Drop Off and turn around
- GOV/ POV Parking

**TA 37A
FT Gordon
C130 Tactical
Air Strip
UAS/ CUAS**

Need EW Firing Range as Part of Future MDO Range



Persistent Cyber Training Environment

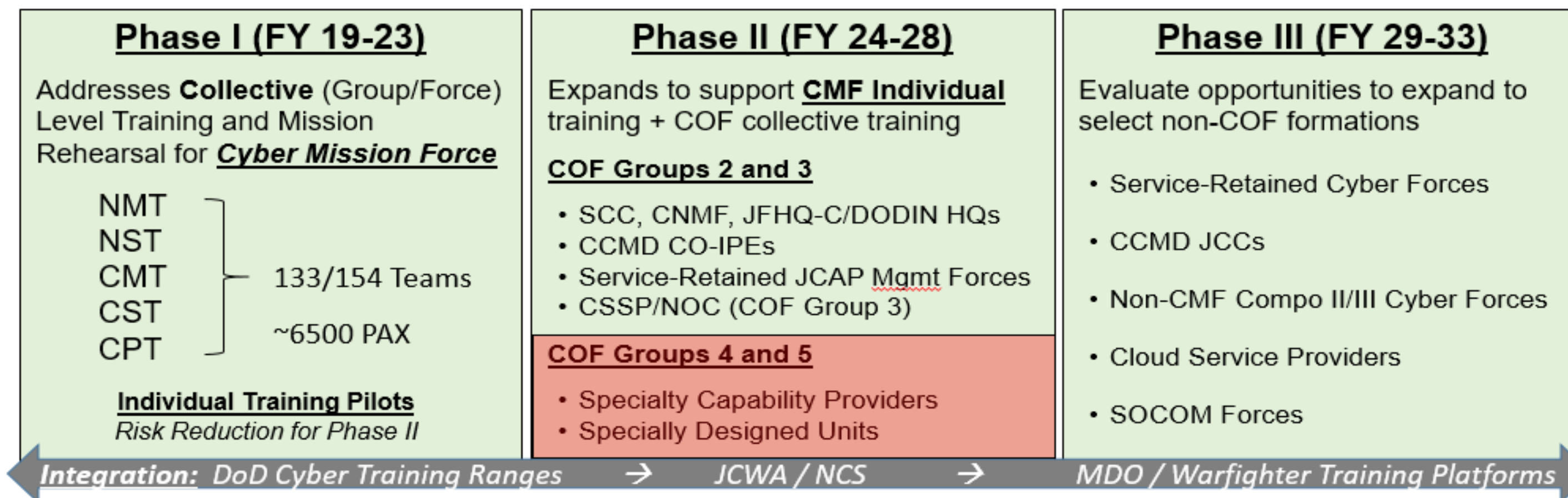


Key Context

- ❖ PCTE is a **Joint** Training Capability the Army is assigned to develop (Req. Owner: USCYBERCOM)
- ❖ OSD/Joint Staff Intent – At end state, PCTE will support the entire Cyberspace Workforce, individual through collective
- ❖ During Phase I (FY19-23), requirements and resourcing are focused on Cyber Mission Force Group (Team) and Force (Multi-team) level training
- ❖ Platform built to support Joint Collective training in cyberspace - validation exercises, mission rehearsals, experimentation and certification

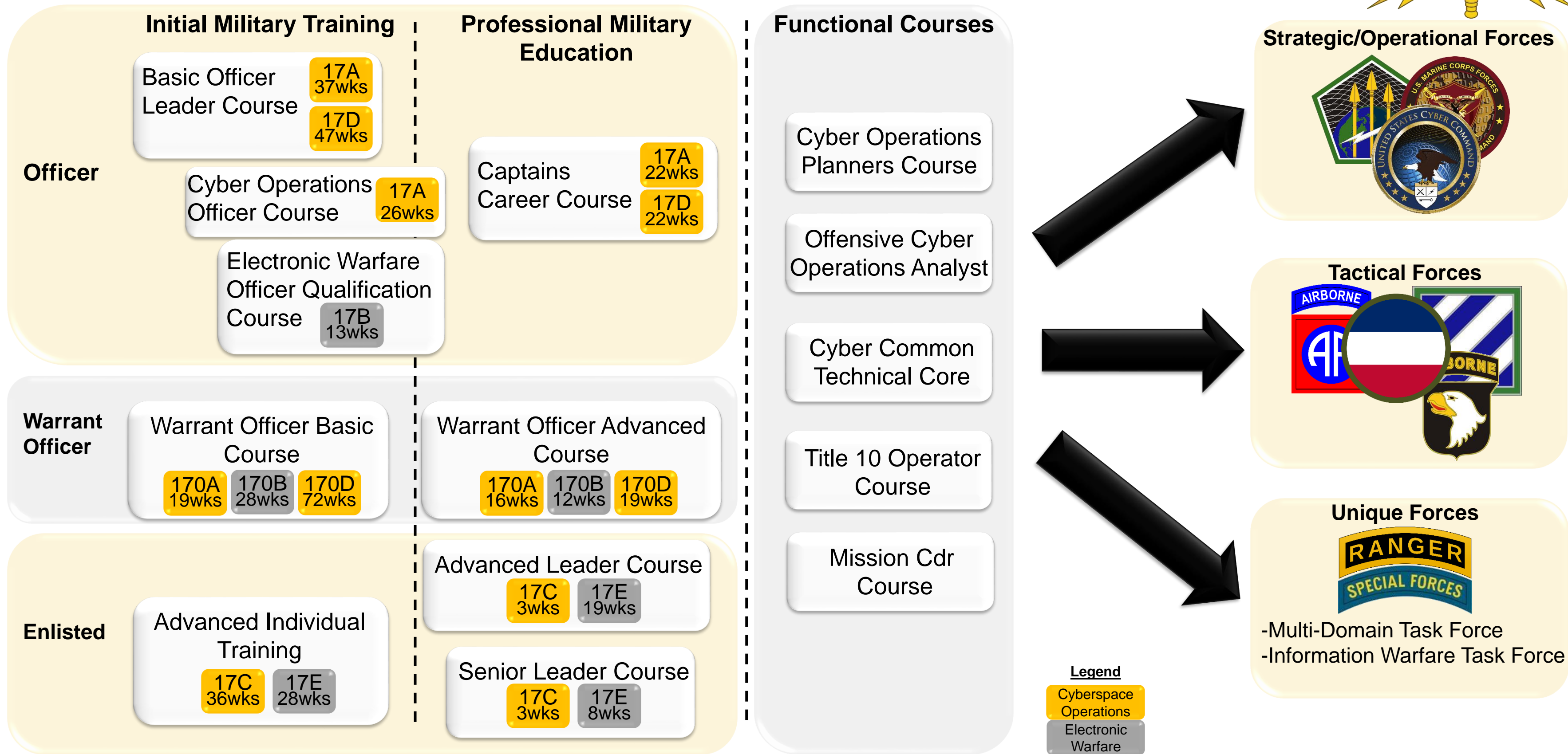
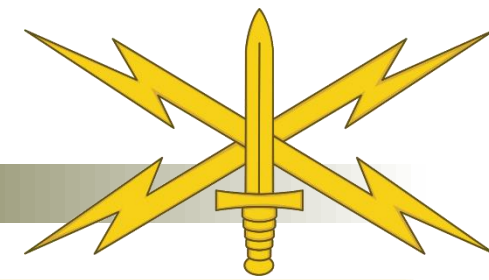
USACyS / EA, ACT in PCTE

- ❖ USACyS / EA, ACT Requirements not included in Phase I PCTE IT-Box (FY19-23)
- ❖ June, 2020: CG, ARCYBER Requests more individual training capabilities and content in PCTE → USCC appoints 2000-level training High-Performance Team (HPT)
- ❖ PCTE GOSC, Nov 2020: HPT presents Training Gaps: PCTE offers Minimal Learning Management, Curriculum Management, Student Management functionality
- ❖ USACyS pursuing curriculum development initiatives and pilots through ARCYBER.





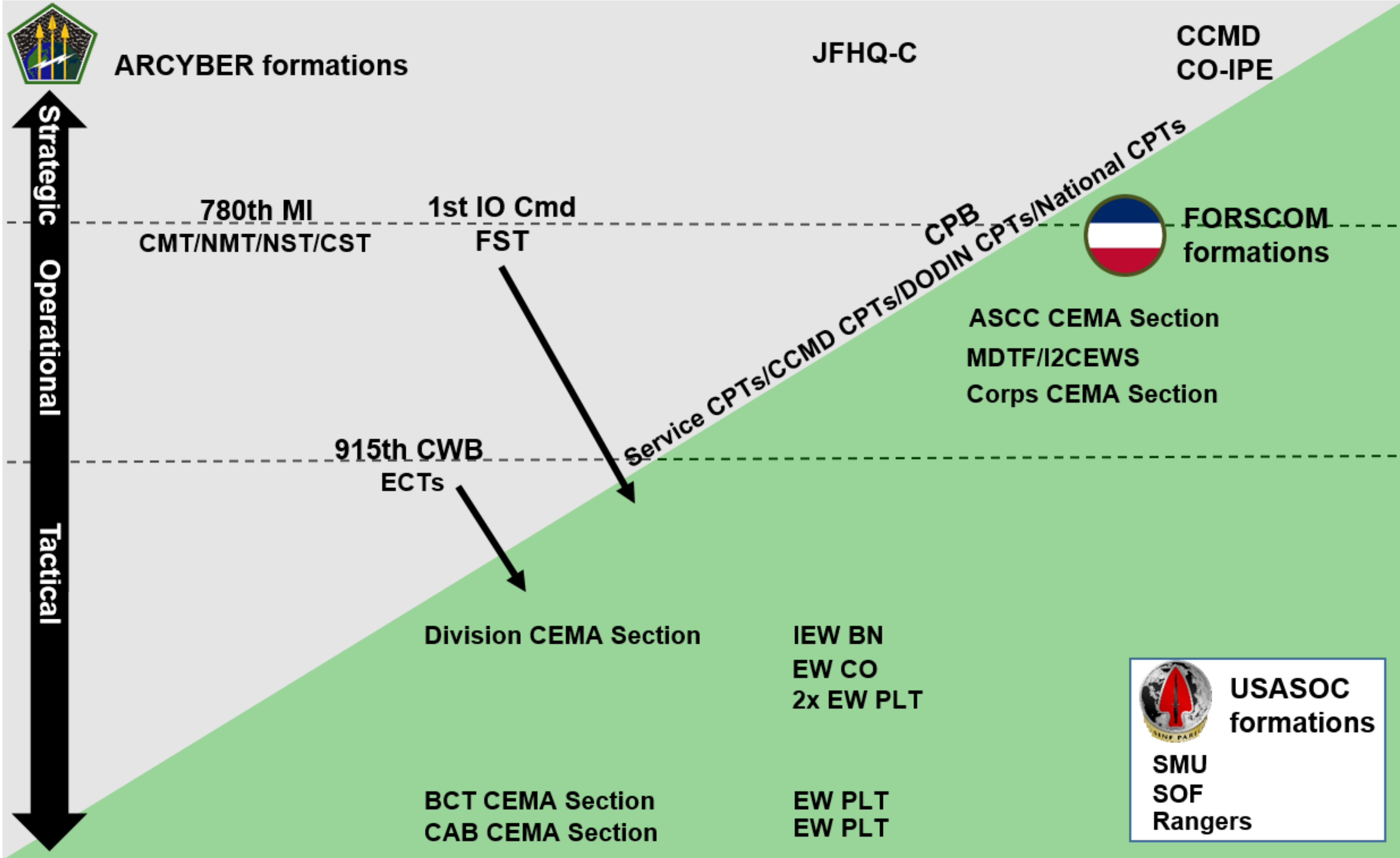
Forge and Project Power



Providing Trained & Ready Cyber Forces



Modernizing Cyber Corps Formations for MDO



Acronyms	
CO-IPE	Cyberspace Operations Integrated Planning Element
CPB	Cyber Protection Brigade
CPT	Cyber Protection Team
CMT	Combat Mission Team
CST	Cyber Support Team
CWB	Cyber Warfare Battalion
ECT	Expeditionary Cyber Team
FST	Field Support Team
I2CEWS	Intelligence, Information Operations, Cyber, Electronic Warfare, and Space
IEW	Intelligence and Electronic Warfare
IO	Information Operations
JFHQ-C	Joint Force Headquarters-Cyber
MDTF	Multi-Domain Task Force
NMT	National Mission Team
NST	National Support Team



Discussion / Q&A