EMERGING FIRES GROWTH

Industry Day

US Army Fires Center of Excellence & Fort Sill
14 DEC 17
Operational Environment

Multi Domain Battle

https://www.youtube.com/watch?v=z6gWtH7b6KE
Current Events

Virtual Terror and Space-Based Warfare – Huffington Post

Iran to Continue Its Missile Program Despite International Pressure - Sputnik News

US 'closely tracking' as Chinese navy in the Baltics for war games with Russia

Large-scale Russian military exercises in Belarus feared to be set-up for Putin’s next conquest – CNBC

N. Korean state media releases video depicting missile attack on Guam – NKorea News.Org

Autonomous drones are being called the biggest thing in military technology since the nuclear bomb – 60 Minutes

China displays electronic warfare equipment at Army Day parade – Xinhua

Iraqi forces start operation to retake Tal Afar from ISIS – CBS News
Fires Response

**Fires Capability Gaps:**
- US Fires forces have insufficient number of systems and munitions
- US Fires forces’ core competencies (technical proficiency, survivability, movement) have atrophied
- US forces have significant capability gaps (e.g., short range air defense, long range surface-to-surface, degraded electronic operations, Directed Energy)

**Changes in the Character of War**
- Contested domains from air/maritime deployment to cyber & space
- Enemy designed to keep US out (A2/AD)
- No longer assume air superiority
- Massed precision long-range fires with area effects
- Increased lethality
- WMD proliferation
- Violent, brutal, ambiguous adversaries (hybrid warfare)
- Sensor-rich environment & social media
- Dense urban areas with large populations
- Intense information wars
- Less time to deploy and act (compressed decision cycles)
- Smaller more costly force structure
- Near-Peer vice Counter-insurgency
**FCoE Budget Operating Environment**

**Budget Trend:** Upward  
**Requirement Trend:** Upward

**FY18:**

- BCA is still the law of the land!
- Currently, under a Continuing Resolution (CR); unknown when an appropriation will be enacted.
- President’s Budget asked for an increase of $7B above FY17 levels. There is a range of funding levels being considered by Congress.
- Authorization Bill approves significant program growth.
- Timing of Plus-up of funding unknown.
- FY18 likely to continue to be characterized by uncertainty.

![Budget Trend Graph]

- **FY13:** $121.6  
- **FY14:** $103.7  
- **FY15:** $100.4  
- **FY16:** $112.5  
- **FY17:** $106.1  
- **FY18:** $115.4

**FY Start $** and **Program Growth/YE $**

**Req:** $165  
**$50M Gap**
See Ourselves - Capacity

- Ability to see ourselves.
  - What we can support now?
  - What are our constraints?
    - Barracks
    - Classrooms
    - TADSS
    - Transportation
    - DFAC Capacity
    - Instructors (military fill rates)

- What are our near-term requirements?
- Long Term Requirements?
- Where do we invest (infrastructure, Instructors, Enterprise Support)?
- What is industry’s ability to support?
BCT Growth

**Resource Gaps**

- **TBUP (5970)**
  - TBUP: 434th FA Brigade is down one starship (5 BCT Batteries) due to TBUP renovations with one more to renovate. All renovations will be done by FY 2021 pending any delays.
  - Capacity: The Brigade has 20 battery sets to support basic training (BCT).
- **TBUP (Bldg. 6007)**
- **95th AG Barracks Construction**
  - Capacity: 19,000
- **CAP: 19,000**
- **5th BCT BN TDA Finalized**

**Projected TRAP**

- **CAP: 23,000**
- **Stand up 5th BCT BN 1st QTR**

**Assumed Growth**

- **CAP: 24,000**
- **TBUP: 434th FA Brigade’s renovations projected to be completed with all 5 starships.**
  - Capacity: 25 BCT Batteries
  - The current 95th barracks (RLBs) will be demolished as they have already exceeded their life expectancy.

**ARPRINT**

**Approved TRAP**

**FY18 | FY19 | FY20 | FY21 | FY22 | FY23 | FY24**

**Capacity Increase (4 BCT Batteries) is completion of 95th AG barracks**

**5th BCT BN DP 3rd QTR**
Potential Fires Growth

Potential Field Artillery Trainee Load

Potential Air Defense Artillery Trainee Load
Fort Sill & FCoE Planning Efforts

- Prepare for potential growth in Fires operational force

- Prepare for potential growth of Fires operational force units on Fort Sill

- Prepare for potential growth in student load at FCoE

- Coordinate with Enterprise partners to support projected growth
  - Logistics Readiness Center (LRC)
  - Mission Installation Contracting Command (MICC)
  - Installation (Garrison)
  - NEC, MEDCOM, FMX

- Identify and prepare for potential large contract efforts
Contract Planning Assumptions:

- Will not get the necessary military personnel to train the load. Potential for greater than 200+ contract instructors (13 and 14 series MOS’s); training support personnel, etc.
  - Enduring requirements

- Short period of time from receipt of funding to execution of contract requirements.

- Existing contract requirements will potentially increase in scale.

- Instructor contract requirements exceed the local market; CONUS wide recruiting effort.

- Will need to upgrade/convert some existing facilities using SRM dollars.
Potential increases in training and training support requirements:

Basic Combat Training (BCT):
- Ammunition Haulers
- Training Techs
- Administrative

Advanced Individual Training (AIT), Professional Military Education and functional courses:
- 13 Series
- 14 Series
- JTACs
- Electronic Warfare
- Simulations/TADSS Operators
- IT and Knowledge Management personnel
- Training Developers
- Program/Project Managers
Potential Logistical Support requirements will increase for:

**Basic Combat Training (BCT):**
- Ammunition Supply Point (ASP)
- Clothing Initial Issue Point (CIIP)
- Troop Transportation (Bus Drivers)
- Food Service (dining facilities)
- Laundry

**Advanced Individual Training (AIT):**
- Ammunition Supply Point (ASP)
- Troop Transportation (bus drivers)
- Food Service (dining facilities)
- Laundry
Infrastructure & Services Potential Growth

- Facility Renovations
  - No new construction is envisioned.
  - Require renovation of current facilities in the lines of mechanical, electrical, plumbing, carpentry, roofs, painting, flooring, finishes. Not all inclusive.
  - Growth will require us to convert facilities from current use to needed requirement especially in the line of barracks, classrooms, and administrative facilities.
  - Requirements will have shortened completion dates.
  - Some contracts will require design effort and will be a design-build contract.

- Services
  - Potential increased services in the lines of washer/dryer maintenance. Not all inclusive.
Emerging Requirements

- Force Modernization
  - Senior 13 and 14 Series Military Analysts
  - Capability, Requirements, and Material Development Expertise (Cross Functional Teams)
  - Immerging Fires Technology Expertise
  - Program/Project Managers

- Army Multi-Domain Targeting Center
  - Targeting Analysts
  - Senior 13 and 14 Series SMEs
  - Intel Analysts
  - Capability Development Expertise
  - JTACs
  - Training Development
  - Program/Project Managers
Industry Human Capital Challenges:

- Security clearances & Post Access (No criminal records)
- Bus Drivers (CDL)
- IT Support (Security Plus)
- Qualified Instructors (H identifier)
  - Instructor Certifications
  - 13 and 14 Series Technical Expertise
  - JTACs and Electronic Warfare Specialists
- Qualified Senior Military Analysts
- Relocation to Local Area
- Meeting Large Numbers