Sustainable Contingency Base Camp Operations and Management: Observations in Afghanistan 2011

Garth Anderson, P.E.
Construction Engineering Research Laboratory

E2S2 Conference
New Orleans, LA
11 May 2011
**Sustainable Contingency Base Camp Operations and Management: Observations in Afghanistan 2011**

**1. REPORT DATE**  
11 MAY 2011

**2. REPORT TYPE**

**3. DATES COVERED**  
00-00-2011 to 00-00-2011

**4. TITLE AND SUBTITLE**

**5a. CONTRACT NUMBER**

**5b. GRANT NUMBER**

**5c. PROGRAM ELEMENT NUMBER**

**5d. PROJECT NUMBER**

**5e. TASK NUMBER**

**5f. WORK UNIT NUMBER**

**6. AUTHOR(S)**

**7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)**

Army Engineer Research and Development Center, Construction Engineering Research Laboratory, PO Box 9005, Champaign, IL, 61826-9005

**8. PERFORMING ORGANIZATION REPORT NUMBER**

**9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)**

**10. SPONSOR/MONITOR’S ACRONYM(S)**

**11. SPONSOR/MONITOR’S REPORT NUMBER(S)**

**12. DISTRIBUTION/AVAILABILITY STATEMENT**

Approved for public release; distribution unlimited

**13. SUPPLEMENTARY NOTES**

Presented at the NDIA Environment, Energy Security & Sustainability (E2S2) Symposium & Exhibition held 9-12 May 2011 in New Orleans, LA.

**14. ABSTRACT**

**15. SUBJECT TERMS**

**16. SECURITY CLASSIFICATION OF:**

- a. REPORT unclassified
- b. ABSTRACT unclassified
- c. THIS PAGE unclassified

**17. LIMITATION OF ABSTRACT**

Same as Report (SAR)

**18. NUMBER OF PAGES** 49

**19a. NAME OF RESPONSIBLE PERSON**
OUTLINE

- DEFINITION
- BASE CAMP DEFINITION & FUNCTIONS
- STAFFING – Examples in practice
- TRAINING
- POLICIES AND PRACTICES
- RECOMMENDATIONS
BASE CAMP DEFINITION

“A base camp is an evolving military facility that supports the military operations of a deployed unit and provides the necessary support and services for sustained operations. Base camps consist of intermediate staging bases and forward operations bases and support the tenants and equipment. While base camps are not permanent bases or installations, they develop many of the same functions and facilities the longer they exist. A base or base camp can contain one or more units from one or more Services. It has a defined perimeter and established access controls and takes advantage of natural and man-made features.”

TRADOC Base Camp Functional Area Analysis
That which we call a *BASE CAMP* by any other name would smell as bad.
## BASE CAMP CORE FUNCTIONS

- Command & control
- Life support
- Force protection
- Power projection
- Fires support
- Communications support
- RSOI support
- Maintenance & logistics support
- Transportation support
- Training support
- MWR
- Emergency Services
WHY SUSTAINABLE BASE CAMPS?

- Reduce resource consumption
  - Fewer vehicles and soldiers on the road
  - Lower cost
  - Reduce basecamp footprint
  - More resources = larger logistics tail that also must be supported
  - More supportable in austere locations

- Human health & environment
  - Enhance soldier quality of life
  - Less impact on local economy and culture
  - The right thing to do!
ACHIEVING SUSTAINABILITY

- Staffing and Management
  - Base camp staff manning and organization
  - Training

- Methods and Standards
  - Doctrine, policies and practices
  - Master planning
  - Construction techniques and standards
  - Quality of life standards

- Technology
  - Efficient power generation, distribution, usage
  - Water reuse
BASE CAMP STAFFING AND TRAINING
MANEUVER ENHANCEMENT BRIGADE – Good!

- TF Rushmore (196th MEB) managed Kabul Base Cluster (7 camps)
- Large, multi-functional staff
- Separate LTC-led mayor cell for each larger camp
- Robust DPW supported entire KBC
MANEUVER ENHANCEMENT BRIGADE

HHC
56/10/110//176

CMD GRP
3/0/4//7

HQ CO
1/0/17//18

UMT
1/0/1//2

BCJA
2/0/1//3

PAO
0/0/2//2

SURGEON
2/0/1//3

MED TM
1/0/3//4

S-1
2/1/9//12

S-2
3/1/8//12

S-3
3/0/4//7

S-4
2/3/7//12

S-5
3/1/1//5

S-6
2/1/7//10

S-9
1/0/1//2

ENG
3/0/9//12

MP
5/1/9//15

CBRNE
4/0/7//11

FCSE
3/1/4//8

LNO
4/0/3//7

AREA OPNS
9/0/12//21

AIRSPACE MGMT
2/1/5//8
REGIONAL SUPPORT GROUP

Good!

- 645\textsuperscript{th} RSG staffed US portion of Kandahar AF
- Colonel-led, provided appropriate rank to work with NATO staff
- Augmented DPW staff – good skill set
- Attached contracting cell
BRIGADE COMBAT TEAM
Good effort, Wrong unit

- TF Archer (38th IBCT) managed Bagram AF, population > 30,000. *Did an excellent job playing the hand dealt.*
- TF also responsible for ISAF missions
- BDE SPT BN CDR dual-hatted. Most time spent on major responsibilities, little time to oversee ISAF mission support companies
- Augmented DPW, civilian master planner
- Large enduring base needs dedicated base camp manning
SMALL BASE CAMP STAFFING

- FOB Lindsay, population = 1,200, staffed by HQ Troop of Cavalry Squadron
- Mayor staff = 2 X CPT, 1 X MSG, 1 X SFC, 2 X SGT. Excellent leadership!
- AF EPBS master planner
- LOGCAP element on base for water, power, DFAC, facility maint. AMC from KAF provided oversight.
- Other support from nearby Kandahar AF
TRAINING (or lack thereof)

- Pre-deployment training
  - Few units received formal training on base camp and DPW operations
  - No training packages or venues available for training
  - If unit designated mid-tour to manage base camp, no resources available for OJT: SME contacts, standard processes, etc

- Contracting
  - Individuals received some COR training but may not have had expertise to oversee contracts
  - 8 hours on line does not a COR make!
TRAINING: Getting better

- 75th Battle Command Training DIV making effort to integrate base camp operations into pre-deployment command post exercises
- RSGs developing training to support METL of base camp management
- Unit initiative to seek non-conventional training sources
  - Contacting installation DPWs and Garrison Commands to learn processes
  - Seeking SMEs for pre-deployment training
METHODS:
PLANNING, DOCTRINE AND STANDARDS
MASTER PLANNING: GOOD!

BIG Improvement in Master Planning

► Air Force Expeditionary PRIME BEEF Squadrons producing “Ultra-Light” master plans
► Contains only information critical to commander and mayor staff
► Updated regularly – no more 200 page masterpieces collecting dust!
### Core Requirements/Capacities

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Existing Capacity</th>
<th>Additional Capacity Required</th>
<th>Capacity Increase Planned</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Airfield Tarmac</strong></td>
<td>5,600 ft of hardstand buildings, 7680 ft of SWA hut</td>
<td>2840 ft of SWA hut</td>
<td>Project 14 will meet req</td>
<td></td>
</tr>
<tr>
<td><strong>Armed Protection</strong></td>
<td>Landing/parking 1 Chinooc rotary aircraft</td>
<td>Landing/parking 2 Chinooc rotary aircraft</td>
<td>Project 15 will meet req</td>
<td></td>
</tr>
<tr>
<td><strong>Fire Protection</strong></td>
<td>Missiles wall perimeter, HESCO where explosion has occurred, guard towers, A-9 Facility, ECE, GSTS</td>
<td>Upgrades to missile wall adjacent to A9 facility, upgrade to all guard towers, sniper fence</td>
<td>Project 16 and 17 will meet req</td>
<td></td>
</tr>
<tr>
<td><strong>Health &amp; Safety</strong></td>
<td>None</td>
<td>To be determined</td>
<td>Project 18 will meet req</td>
<td></td>
</tr>
<tr>
<td><strong>Medical</strong></td>
<td>Existing Aid Station</td>
<td>Proposed enlarged new clinic to be co-located with Fire Station</td>
<td>Project 19 will meet req</td>
<td></td>
</tr>
<tr>
<td><strong>Housing</strong></td>
<td>Full Legroom 300</td>
<td>None</td>
<td>Project 20 will meet req</td>
<td></td>
</tr>
<tr>
<td><strong>Infrastructure</strong></td>
<td>Teak and hardwood flooring @ current pac of RTO</td>
<td>Teak and hardwood flooring @ current pac of RTO</td>
<td>Project 21 will meet req</td>
<td></td>
</tr>
<tr>
<td><strong>Infrastructure</strong></td>
<td>Individual rooms in admin bldgs.</td>
<td>Textile Sensitive Communication and Information Facility (TSCIF) and overall comm.</td>
<td>Project 22 will meet req</td>
<td></td>
</tr>
<tr>
<td><strong>Infrastructure</strong></td>
<td>25 meter range</td>
<td>None</td>
<td>Project 23 will meet req</td>
<td></td>
</tr>
<tr>
<td><strong>Infrastructure</strong></td>
<td>None</td>
<td>None</td>
<td>Project 24 will meet req</td>
<td></td>
</tr>
<tr>
<td><strong>Infrastructure</strong></td>
<td>Parking and service for approx. 200 vehicles</td>
<td>Repositioning of Site corner of FOB for motor pool and maintenance compound to park and maintain vehicles</td>
<td>Project 25 will meet req</td>
<td></td>
</tr>
<tr>
<td><strong>Infrastructure</strong></td>
<td>Primary roadways for travel around the perimeter of the base; surface drainage</td>
<td>Roads providing emergency access to central portions of the base, stormwater drainage channels</td>
<td>Project 26 will meet req</td>
<td></td>
</tr>
<tr>
<td><strong>Infrastructure</strong></td>
<td>Mixture of 50 ft. and 60 ft generators</td>
<td>Utility power for necessary grid for cool 150</td>
<td>Project 27 will meet req</td>
<td></td>
</tr>
<tr>
<td><strong>Infrastructure</strong></td>
<td>Bunk Pit</td>
<td>Information to set and dispose of solid and hazardous waste, hot flat storage facility</td>
<td>Project 28 will meet req</td>
<td></td>
</tr>
<tr>
<td><strong>Infrastructure</strong></td>
<td>CONEX, Class I, Class IV</td>
<td>USA accommodation facility dedicated storage and distribution facility with administrative processing space</td>
<td>Project 29 and 30 will meet req</td>
<td></td>
</tr>
<tr>
<td><strong>Infrastructure</strong></td>
<td>Currently trued off base</td>
<td>Sewage collection system to consolidate collection points</td>
<td>Project 31 will meet req</td>
<td></td>
</tr>
<tr>
<td><strong>Infrastructure</strong></td>
<td>Existing well producing in surplus yield relative to current Tac</td>
<td>3rd well</td>
<td>Project 32 will meet req</td>
<td></td>
</tr>
<tr>
<td><strong>LUA Support</strong></td>
<td>Bear 500x SAC</td>
<td>gas hardcase SAC</td>
<td>Project 33 will meet req</td>
<td></td>
</tr>
<tr>
<td><strong>LUA Support</strong></td>
<td>WMNR, Laundry facility, Gym, barber, add.155 Facilities</td>
<td>Additional Laundry facility, expansion of WMNR and Gym, PK, and hardwood 155 facilities</td>
<td>Project 34 and other future projects will meet req</td>
<td></td>
</tr>
</tbody>
</table>

### Roles & Responsibilities
- **RQ1:** Develop consensus among base occupants on requirements and development needs, provide development requirements to 777.
- **RQ2:** Obtain JFUB approval and plan and design projects. Provide construction management for RCC built projects.
- **RQ3:** Determine project execution priorities and methods (tarp labor versus RCC)
- **RQ4:** RCA: Receive and validate (CO) and coordinate endurance needs at base.
- **RQ5:** Responder/ 15th & 16th WC, Base labor for project construction.
- **RQ6:** Oversee selection of contractors to complete RCC projects.

### Minimum Military Requirements
- **Infrastructure/facilities** will typically be austere, functional, and practical; and simple, solid, and safe: the most basic solution that fulfills the need over the anticipated period of use.
- **Intended** to be the most efficient use of limited resources: time, money, people, material; and the mission objectives.
- **Established** by US and NATO orders: PBRD, ORPLAN, NATO, ESMC.
- **MMR planning/design factors:** 1. Availability of materials/real estate; 2. Construction capabilities; 3. Ability to use an existing versus a new asset; 4. Mission duration and function; 5. Geography/topography; and/or relevant civil development objectives.

### FOB Details
- **Province:** Afghanistan
- **Region:** RC
- **October 20:** PAX
- **Land Boundary Area:** 700 acres
- **LUA Status:** Approved, expansion pending
- **Prevaling Wind:** NW
- **LOGCAP Band:** 4
- **Mine Clearance:** All areas within perimeter cleared

### History
- **Operational:** Originally developed to support.
- **In late 2001:** the base was expanded under the BOS-I to its current boundaries, to accommodate an anticipated troop level increase. The US assumed BOS-I in early 2002, and began programing a variety of improvements.
- **BOS transferred to BOS-II in the summer of 2002:** and efforts began to organize and consolidate the projects initiated by the BOS.
- **A second expansion of the FOB is expected to be approved in early 2003. Master planning efforts for this area are just starting to commence.**

### Current Status
- **U.S. upgrading facilities to support PAX increase.**
- **Construction:** to accommodate mission emphasis on battlefield support.
- **A portion of the south central part of the base supports enduring efforts with US personnel.**

### Mission
- **Supports:** in hub for U.S. forces supporting and convoying to adjacent COPs.
- **Serves in support for:**

### Principal Tenants
- **U.S. Forces**
- **NATO Forces**
- **U.S. Forces**
- **NATO Forces**
- **U.S. Forces**
- **NATO Forces**

### Current PAX
- **Unit:** O/H
- **Date:** 15 Jan
**Development Constraints and Initiatives**

- Accommodate pax increase up to troops within limited FOB area constrained by adjacent residential development.
- Support FOB mission focus on battlefield support, including distribution of materiel and equipment for troops deploying to adjacent COP's/checkpoints.
- Consolidate compatible land uses in appropriate locations.
- Integrate proposed expansion to maximize FOB capacity and functionality.
- Enhance AT/FP elements to accommodate proposed FOB expansion, given the proximity to [Site Imagery / December].

---

**Key Development Projects**

<table>
<thead>
<tr>
<th>Proj #</th>
<th>LUC #</th>
<th>Title/EPN</th>
<th>Description</th>
<th>Construction Method</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>7</td>
<td>Lagrange 3G/SSN-2</td>
<td>Absorbance and construction of Lagrange 3G to replace existing in-situ tents</td>
<td>TDH</td>
<td>Awaiting FHL</td>
</tr>
<tr>
<td>2</td>
<td>7</td>
<td>Lagrange MU3/31</td>
<td>Absorbance and construction of Lagrange MU3 to replace existing in-situ tents</td>
<td>TDH</td>
<td>Awaiting FHL</td>
</tr>
<tr>
<td>3</td>
<td>7</td>
<td>Hardstand Station D/FAC 9 assigned</td>
<td>Construction of D/FAC facilities to support new FOB personnel</td>
<td>TDH</td>
<td>Awaiting FHL</td>
</tr>
<tr>
<td>4</td>
<td>7</td>
<td>Roads and Drainage/DIF C/D/3/11-313</td>
<td>Drainage assessment, grading, and design for new drainage system</td>
<td>TDH</td>
<td>Awaiting FHL</td>
</tr>
<tr>
<td>5</td>
<td>7</td>
<td>Motor Pool and Maintenance Complex/DIF C/D/3/11-3143</td>
<td>Site grading, paving, and pavement repair for new motor pool and maintenance area</td>
<td>TDH</td>
<td>Awaiting FHL</td>
</tr>
<tr>
<td>6</td>
<td>7</td>
<td>TSOF/118/118-1404</td>
<td>Construction of a TSOF communication hub</td>
<td>TDH</td>
<td>Awaiting FHL</td>
</tr>
<tr>
<td>7</td>
<td>7</td>
<td>DIF C/D/3/11-3150</td>
<td>Construction of additional parking and pedestrian walkways</td>
<td>TDH</td>
<td>Awaiting FHL</td>
</tr>
<tr>
<td>8</td>
<td>7</td>
<td>Well #2/DIF C/D/3/11-3150</td>
<td>Construction of a new water well to provide existing water supply to the FOB</td>
<td>TDH</td>
<td>Awaiting FHL</td>
</tr>
<tr>
<td>9</td>
<td>7</td>
<td>Class 4, MHT, Container Yard/11-31477</td>
<td>Site development and construction of new container yard, including repairs to the existing yard</td>
<td>TDH</td>
<td>Design Review</td>
</tr>
<tr>
<td>10</td>
<td>7</td>
<td>USA Facility/11-31504</td>
<td>Construction of USA facility to support 11 BCP activities in and around FOB site</td>
<td>TDH</td>
<td>Design Review</td>
</tr>
<tr>
<td>11</td>
<td>7</td>
<td>USA Facility/11-31505</td>
<td>Construction of USA facility to support 11 BCP activities in and around FOB site</td>
<td>TDH</td>
<td>Design Review</td>
</tr>
<tr>
<td>12</td>
<td>7</td>
<td>Base Expansion/DIF C/D/3/11-3150</td>
<td>Proposed new FOB equipment and 150 yd for new and existing projects</td>
<td>TDH</td>
<td>Design Review</td>
</tr>
<tr>
<td>13</td>
<td>7</td>
<td>Material Transfer Yard</td>
<td>Site development and construction of new materials storage facility and equipment for expansion area</td>
<td>TDH</td>
<td>Design Review</td>
</tr>
<tr>
<td>14</td>
<td>7</td>
<td>Company/Battalion</td>
<td>Site development and construction of new company and battalion facility and equipment for expansion area</td>
<td>TDH</td>
<td>Design Review</td>
</tr>
<tr>
<td>15</td>
<td>7</td>
<td>New M3/11-3134</td>
<td>New M3.2 expansion and site development for new M3.2 facility</td>
<td>TDH</td>
<td>Design Review</td>
</tr>
<tr>
<td>16</td>
<td>7</td>
<td>Solar System/11-3150</td>
<td>Site development and construction of new solar system facility and equipment for expansion area</td>
<td>TDH</td>
<td>Design Review</td>
</tr>
<tr>
<td>17</td>
<td>7</td>
<td>Guard Tower/11-3150</td>
<td>Site development and construction of new guard tower facility and equipment for expansion area</td>
<td>TDH</td>
<td>Design Review</td>
</tr>
<tr>
<td>18</td>
<td>7</td>
<td>Fire Station/11-3150</td>
<td>Site development and construction of new fire station facility and equipment for expansion area</td>
<td>TDH</td>
<td>Design Review</td>
</tr>
<tr>
<td>19</td>
<td>7</td>
<td>Aid Station/11-3150</td>
<td>Site development and construction of new aid station facility and equipment for expansion area</td>
<td>TDH</td>
<td>Design Review</td>
</tr>
</tbody>
</table>
MASTER PLANNING SUCCESS: Camp Leatherneck

- Started from scratch – not a captured facility
- Planned as an enduring facility from the beginning
  - No space restrictions
  - Permanent facilities from the start
  - Basic infrastructure in place before buildings
  - Wide utility corridors planned along roads
- Solid waste incinerator nearing completion
- Graywater separation
MASTER PLANNING SUCCESS:
Camp Leatherneck
CONTINUITY OF OPERATIONS

• Base camp units rotate in total every 9-12 months with 1 week between incoming and outgoing

• Large loss of continuity in process, contract oversight, policy, requirements

✓ Some units trying staggered rotations to increase overlap and situational awareness
LOCAL CONSTRUCTION STANDARDS
A Smart Approach

- FOB Salerno constructing standard buildings using local materials, labor and techniques
- Multiple uses – offices, billets, clinics
CONSTRUCTION FEATURES

- Standard building footprint and exterior envelope
- Interiors can be adapted for any purpose with non-load bearing walls or partitions
- Thick walls increase R-value and force protection
- Electrical wiring uses surface mounted conduit
  - Facilitates quality assurance inspection
  - Can be easily retrofitted to local standards after base turnover
- Simple “Chigo” split HVAC units, locally purchased
LOCAL MATERIALS AND CONSTRUCTION TECHNIQUES

- Easier to go “Afghan First”
- Reduces transportation costs
  - Bricks & tiles produced nearby
  - Concrete placed on site
- Larger construction labor pool – no need for skills in US construction techniques
- Materials are more appropriate for climate
- Structures are culturally suitable for turnover of base
Finished structures
Concrete column prep

Installing roof beams
Interior view

Roof/ceiling construction

Ceiling tiles
Steel tile channels
Exterior masonry
Interior finishes

Interior electrical
CONSTRUCTION PRACTICES: Good

Innovative techniques

► Reuse of shipping containers
► K-Span
► Frame Master
CONSTRUCTION PRACTICES: Needs improvement

- MILCON process and timeline do not overlay well in a contingency environment
  - 2-4 years from requirement definition to groundbreaking
  - Several rotations of base camp staffs may not have awareness of project in pipeline
  - MILCON timelines lag far behind bona-fide requirement changes

- Not enough standardization of facilities - tenant units want “custom” buildings
CONSTRUCTION PRACTICES: Needs Improvement

- We continue to apply US standards even for Afghan occupied facilities
  - Makes finding licensed contractors difficult
  - Locals cannot maintain US spec equipment
- From scope of work for Afghan Uniformed Police Station:
  - Specs in English units
  - Electrical specs are NEC 2008 and US 120V/60 hz
  - Fire code is NFPA 2009, including smoke detectors
WATER DEMAND: The Smart

- Graywater capture at some bases
- Reuse for construction and dust control
- Reduces water demand
- Reduces load on WWTP
WATER DEMAND: Needs Improvement

- Mandatory use of ROWPU when standard water treatment works
- **ROWPU**
  - Expensive
  - Costly to operate
  - Increases water demand by 20-30%
WATER DEMAND: Needs Improvement

- Bottled water remains the primary source of drinking water
- Larger bases capable of producing bulk potable water
- Must overcome bias toward the bottle
WASTE WATER: The Good

- Package plants are effective in areas with limited space
- Standard treatment train: aeration-clarifier-sludge digester-chlorination
- Each unit processes up to 30Kgal/day
WASTE WATER: Needs Improvement

- Many septic fields are ineffective due to limited space and low soil percolation
- Lagoons are typically undersized
- Several bases pump blackwater into trucks for off-base disposal
SOLID WASTE: The Good

- Most bases made effort to recycle
- Burn pits were adequately managed at larger bases
- Waste streams segregated
- Incinerators coming on line
SOLID WASTE: The Good

- Attention -

All Military Lithium Batteries Must Be Disposed At Unit Level

- Attention -

Alkaline Batteries Only!

All Other Batteries Need To Be Delivered To Hazmat Yard

Used Batteries Only
SOLID WASTE: Needs Improvement

- Urban base camps had few alternatives to haul and dump
- Recycling of plastic not cost effective at smaller bases – no market near
NON-TACTICAL (ADMIN) VEHICLES

Where did they all come from?

- Use of SUVs, ATVs on base is out of control – regular traffic jams
- Majority of trips were for convenience
- US population at KAF
  - People 20,000
  - Admin vehicles 6,000

✓ Bagram did have bus service
**RECOMMENDATIONS**

- Large, enduring bases should have permanent base camp staff. IMCOM led?
- Continue to staff large expeditionary bases with either an MEB or RSG
- Develop pre-deployment training packages
  - Exercise mayor staff during command post exercises
  - DPW course for contingency camps – not the same as CONUS DPW
  - Contingency contracting training, also include technical training for specific contract
RECOMMENDATIONS

- Use appropriate water treatment methods based on mission and conditions at specific base camp
- Reserve bottled water for only mission personnel at bases that produce bulk potable water
- Apply graywater separation and reuse systems at more bases.
- If space and soil conditions limit the use of lagoons and septic fields, plan to use WW package plants
- Look at Net Zero Water concepts.
RECOMMENDATIONS

- Units should consider a staggered Transfer of Authority.
- Continue the use of the new “ultra-light” master plan in theater.
- Mandate the use of local construction techniques and materials where feasible.
- Limit using US specs for Afghan owned/operated facilities.
- Limit the use of administrative vehicles.
COL Garth Anderson, P.E.
Garth.Anderson@us.army.mil
217-419-9091