



Atterbury – Muscatatuck

<http://www.atterburymuscatatuck.in.ng.mil/Home.aspx>

Atterbury-Muscatatuck-Jefferson AO



Strategic Positioning

- **From Brigade to Division level**, the Atterbury-Muscatatuck Enterprise supports and hosts complex training scenarios, leveraging assets from programs of record and annualized exercises to **maximize training dollars**.
- **Technology based exercises are supported through JTEN 2.0 and JIOR**. Additionally, connectivity to **JMETC and SDREN** can be accomplished **through the JTEN 2.0 aggregate router**.
- **In conformity with Army Training Strategies 2015**, the enterprise platforms provide for ‘combined arms maneuver and wide area security capabilities in a comprehensive and realistic decisive action environment.’
- **Live-virtual-constructive scenarios** provide viable options **for integrated training** and drive ‘**train like we fight**’ authenticity.
- Atterbury-Muscatatuck provides **urban, rural, cyber, UAS, and air-to-ground capabilities**, interleaving military service/civilian/homeland defense exercises **for multi-echelon scenarios**.
- The **venues, EME, range portfolio, special use airspace, living infrastructure and subterranean systems** have been established through a **mission-centric, megalopolis-specific** strategic plan, **adaptable to customer needs**.

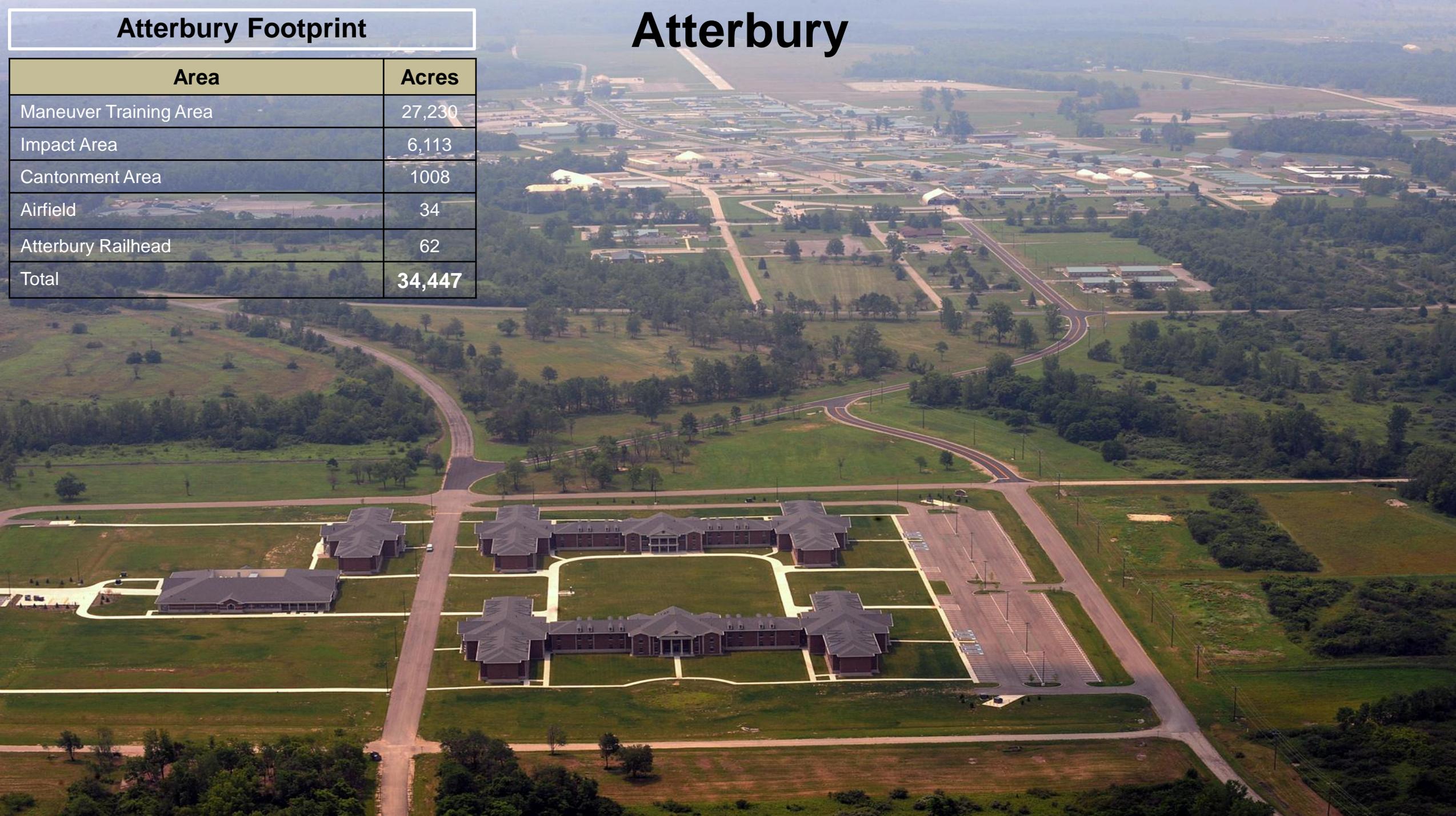
Planning Features

- **The Atterbury-Muscatatuck support strategies** are dynamic and flexible, following economic, political and demographic changes to the client base and new audiences, **adapting to changes in funding streams, federal and state policies, and training needs.**
- **Dedicated and progressive planning experts** step customers through event organization and execution, collaborating with air and ground operations specialists for **seamless integration and consumer-defined delivery of services.**
- Coupled with a walking campus, the new North Barracks Complex, secure facilities, configurable classroom and conference spaces, railhead, ranges and multiple DFAC and life support features, **the Atterbury installation command, staff and operations specialists provide versatile, industry-specific focus to customers.**
- Located near Indianapolis, transport logistics are eased through the **Indy-Cincinnati-Louisville airport triad, extensive interstate systems, and rail access.**
- **Muscatatuck, a designated Advanced Urban Training Facility,** is a city unto itself supporting SOF Pre-Mission and Task Force Training, especially responsive to short-notice training events, and continues to be developed along guidelines established by **DoD's Test Resource Management Center.**

Atterbury Footprint

Atterbury

Area	Acres
Maneuver Training Area	27,230
Impact Area	6,113
Cantonment Area	1008
Airfield	34
Atterbury Railhead	62
Total	34,447



Ranges and Training

R3401 A and Atterbury MOAs

Atterbury Ground Ranges/Venues

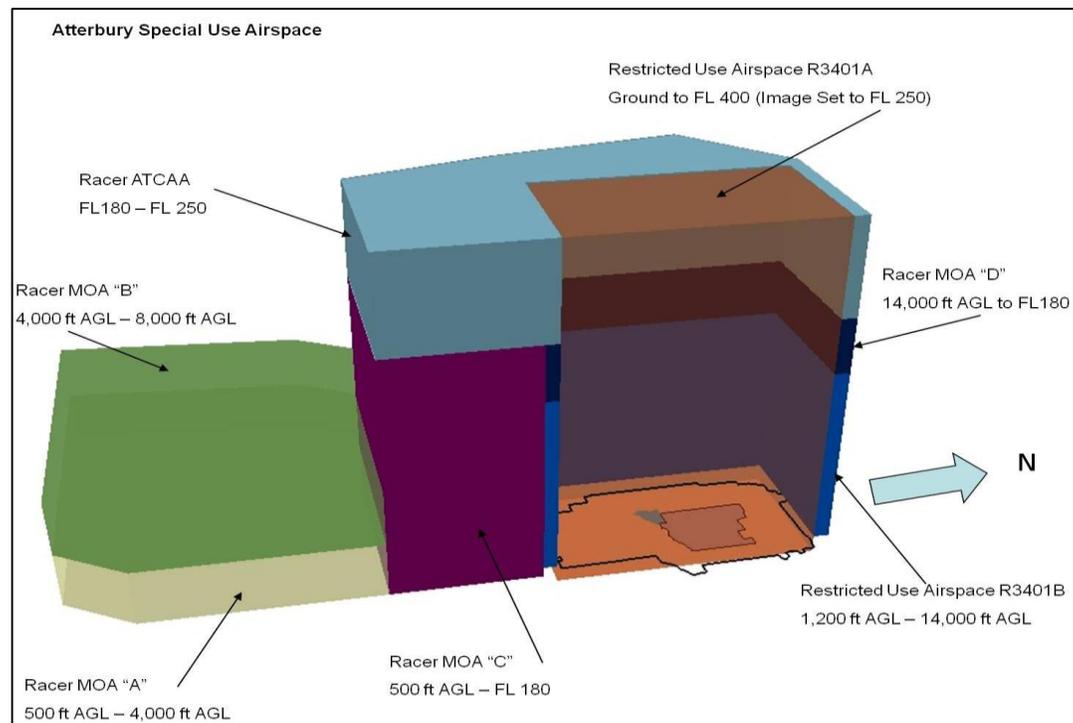
- 24 Basic Marksmanship Ranges
- 4 Mounted Gunnery Ranges (up to Gunnery Table XII)
- 2 Demolition Ranges (1 Light/1 Heavy)
- 6 Collective Live-Fire Ranges (up to Company level)
- 3 IED Defeat Lanes
- 9 Villages
- 4 Land Navigation Courses
- Maneuver Training Areas (63 Light/43 Heavy)
- Advanced Sniper Ranges

Muscatatuck Urban Training Center Venues

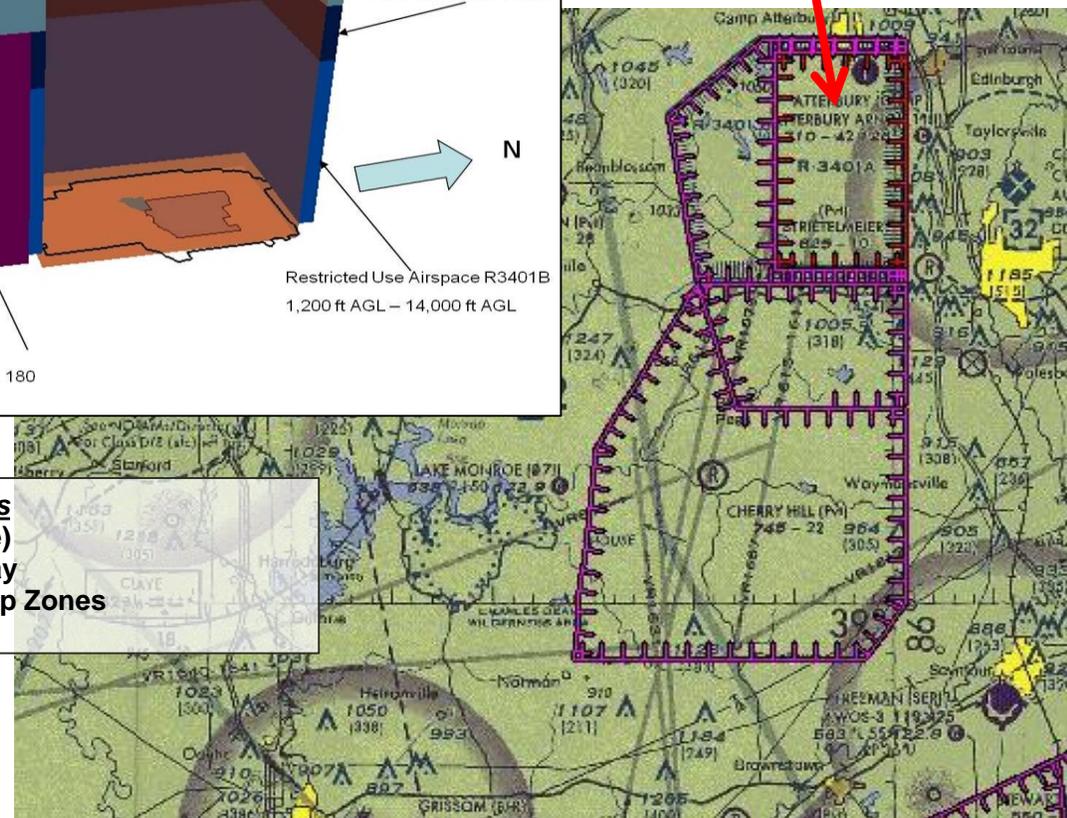
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|---------------------|-----------------------------|
| Hospital | Power Transfer Station |
| Bank | 5 Rubble Buildings |
| School | Water Treatment Plant |
| Prison | Fire Rescue Trainer |
| High Rescue Trainer | 4 Downed Aircraft |
| Steam Power Plant | 1.5 Miles of Tunnel Systems |
| Cave Complex | Walled/Gated Embassy |
| Market Place | Sewage Treatment Facility |
| Train Derailment | Train Station |
| Fishing Village | Farm |
| Shanty Town | Residential Neighborhood |

Simulations

- Joint Simulation Training & Exercise Center
- TADSS Complex
- Medical Simulation Training Center
- Training Aid Support



ATTB Restricted Area



Air Capabilities

- Himsel Army Airfield (C-130 Capable)
- Stand Alone UAS/UAV Paved Runway
- Multiple Personnel & Equipment Drop Zones
- Air to Ground Gunnery Range

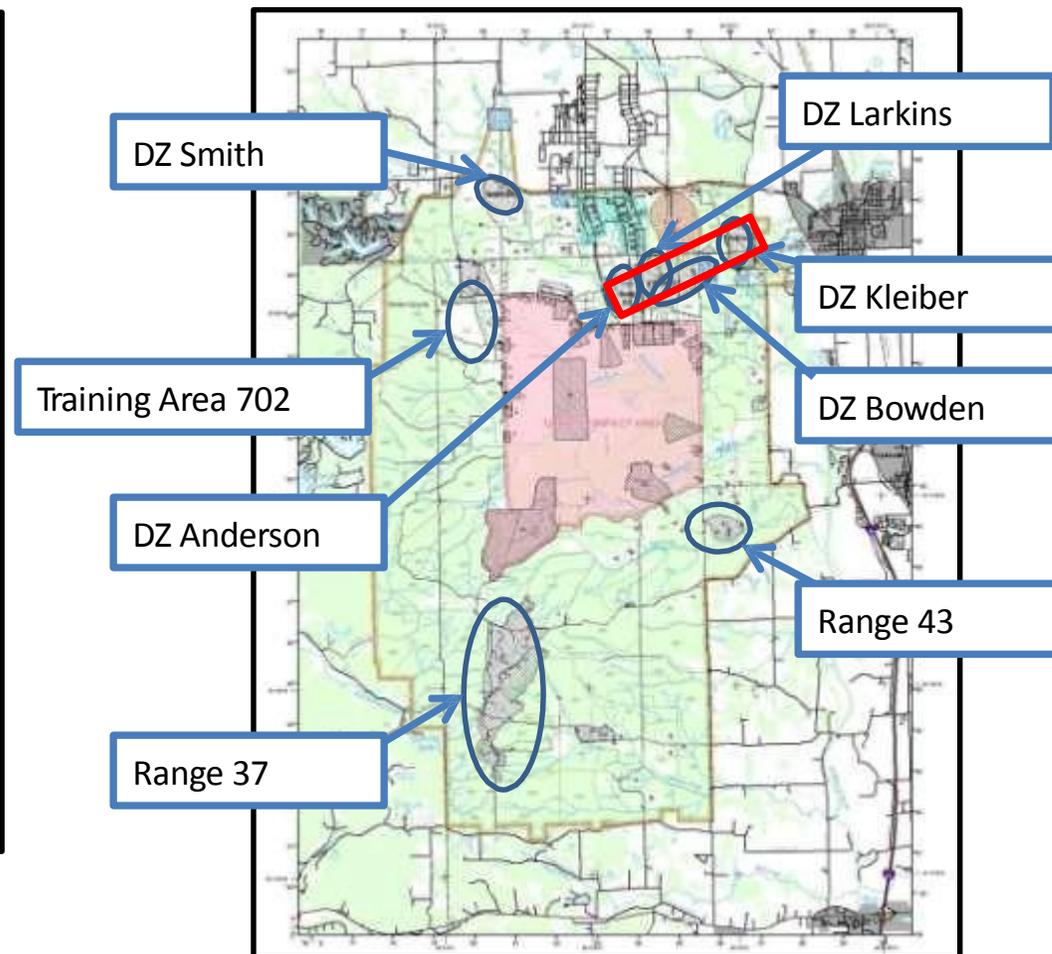
Weapons Training Throughput

All weapons training throughput is based on optimal training conditions:

- 24 hour training capabilities
- Dual capability on all range types
- Soldier skills:
 - Crew Qualification – 2 automated ranges / 15 Lanes total / 25 minutes per firing order
 - 2 additional field fire ranges firing on hard targets out to 1500 meters
 - Rifle Qualification – 2 RETS Ranges / 32 Lanes total / 30 minutes per firing order
 - Rifle Zero – 50-60 Firing Points / 30 minutes per firing order
 - AR Qualification – 3 RETS Ranges / 23 Lanes total / 25 minutes per firing order
 - MK19 Qualification – 4 ranges / 10 Lanes total / 30 minutes per firing order
 - Combat Pistol – 2 RETS Ranges / 20 lanes total / 20 minutes per firing order
 - Grenade Launcher – 2 ranges / 8 lanes total/ 30 minutes per firing order
 - Hand Grenade, Live – 9 Lanes / 10 minutes per firing order
 - Light Anti-Armor – 8 Lanes / 20 minutes per firing order
 - Sniper Fire– 4 known distance ranges, 5 unknown distance, 2 field fire
 - Others – 2 mounted gunnery ranges, 2 team live fire, 2 squad live fire, 2 mounted combat patrol

Airborne Operations

- Personnel Drop Zones
 - Anderson
 - Smith
 - Larkins
 - Bowden
 - Training Area 702
- Equipment Drop Zone
 - Kleiber
 - Bowden
- Subject to AF Approval
 - Range 37
 - Range 43



Crew Served Weapons Qualification

Range 11

*Can also support Crew Served qualification and training on ranges 47, 21,22,23,13, and 20

- Weapons

- M2 .50 cal
- M240B/M60
- M249 SAW

- Courses of Fire:

- SWS Sniper Practice
- SWS Sniper Qualification
- SWS Unknown Distance
- M2 Transition Prac/Qual
- M240 Transition Prac/Qual
- M249 Transition Prac/Qual
- M249 Assisted Night Fire

- Key Features:

- 5 firing points dismounted
- 3 firing points mounted
- 3 firing points .50 cal Sniper
- Targets to 1100 meters



Multi-Purpose Training Range

Range 37

Weapons:

- M4/16
- M203 (TP)
- M249
- M240
- Mk19 (TP)
- M2 MG
- M1 Abrams
- M2/3 Bradley
- TOW
- Attack Helicopters

Courses of Fire:

- Tank/Bradley Tables 1-6
- Mounted Combat Patrol & Convoy Live Fire (.50 Cal, 7.62mm, 40mm TP, 5.56mm)
- Armor Scout Tables 1-6
- TOW TP
- Helicopter Gunnery (7.62mm & 2.75in rockets)
- .50 Cal & 7.62mm Sniper Practice Unknown Distance
- Indirect Service Fire 155mm/105mm
- Infantry PLT Battle Course

Key Features:

- Automated Targetry
- IED Defeat Lanes/Convoy LFX
- FLIR for improved Night Training
- 900 Acre Range Complex
- Roundabout & Village



RANGE 47 – MULTI-PURPOSE MACHINE GUN



- M240 Crew Served Qualification
- Tripod Mounted
- Vehicle Mounted
- Targets to 800 meters



- M249 Crew Served Qualification
- Tripod Mounted
- Vehicle Mounted
- Targets to 800 meters



- M249 Automatic Rifle Qualification
- Bipod Mounted
- Targets to 400 meters

Range Description

- TC25-8 Compliant MPMG
- Targets out to 800m
- Target array consists of both single and dual Stationary Infantry Targets (SITs)
- Thermal capability for night fire using PAS 13/15

Range Facilities

- Range Tower
- Briefing Shelter
- Ammunition Distribution Point
- Climate Controlled AAR Facility

Support Facilities

- Parking Area

Firing Lanes

- 10 Lanes capable of tripod mounted or vehicle mounted MG qualification
- Berm drills capability for crew command training

Zero Range

- 5 Lanes 10 meter zero can be run simultaneously



Medical Simulation Training Center (MSTC)

Indoor Assets:

- 3 classrooms (30 pax ea)
- 4 validation rooms
- Conference room
- Control room

Outdoor Assets:

- 8 obstacle litter course
- Two story MOUT site
- Covered bleacher briefing area

Courses:

- 68W Sustainment (full course, short course)
- Combat Lifesaver (CLS)
- Basic Life Support BLS/CPR
- Advanced Cardiac Life Support (ACLS)
- IFAK



Resources:

- High Fidelity 3G Manikins
- Advanced Airway Manikins
- Chest wound trainers
- IV arms
- Amputation manikins
- CPR adult, child, and infant trainers
- All medical supplies necessary to run core courses
- Resources provided through MEDCOM and PEO-STRI



Sustainment and Support

Billeting Options:

Atterbury	Beds	Muscatatuck	Beds
Mitch Daniels North Barracks Complex	1176	Barracks	1598
South Base Barracks	4656	CTQs	171
South Base BOQs	536	COB Panther	1000
South Base CTQs	299	COB Holland	200
Total:	6667	Total:	2969

Total: 9,636

*Dining Options:

Atterbury	2 Hr Capacity	Muscatatuck	2 Hr Capacity
Regional Training Institute	736	BLDG 5076	800
King Hall	952	LTA Panther DFAC	400
BLDG 350	1600	COB Holland DFAC	280
Mitch Daniels North Barracks Complex	2400		
Conference Center	880		
Total:	6568	Total:	1480

Atterbury Services:

Logistics: CIF, Fuel Point

Walking Campus

Conference Center

Soldier Amenities:

- USO
- Troop Medical Clinic (TMC)
- PX/Clothing Sales
- Main Gym, Satellite Fitness Facilities
- Chapel
- Post Office
- Pool, Campsite, Community Center

Railhead with 9 spurs – 120 railcars per 72 Hr period

Indianapolis Airport Shuttle – 60 minutes

Muscatatuck Services:

Soldier Amenities:

- Convenience Store
- Pizza Parlor
- Chapel
- USO
- Fitness Facility

*Also have 18 troop
issue ASD facilities

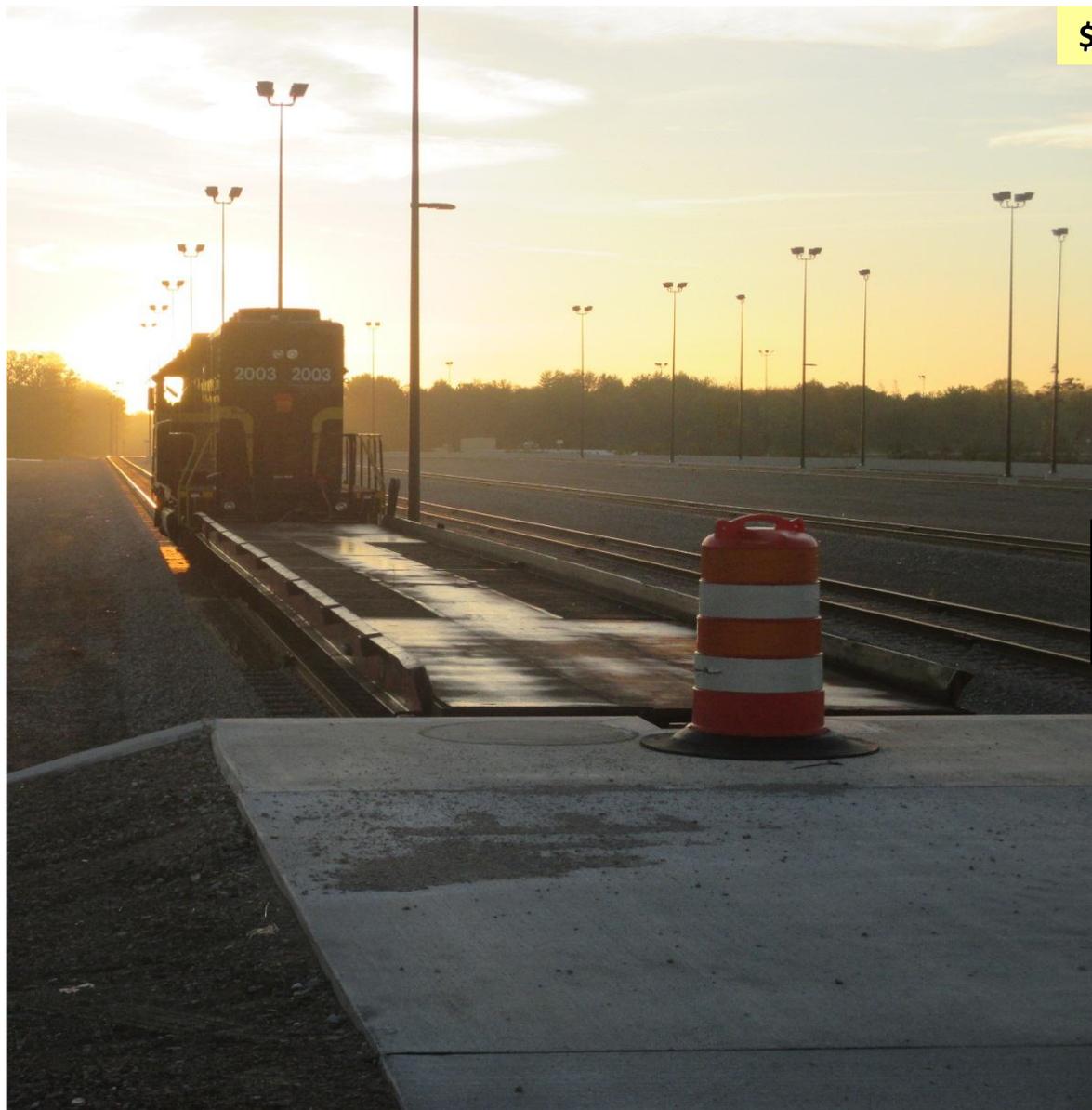
Mitch Daniels North Barracks Complex



- *2 x BN Capacity*
- Bed Capacity: ~1176
- DFAC Capacity: ~2400 per 2 hr meal period

\$54M

Atterbury Railhead



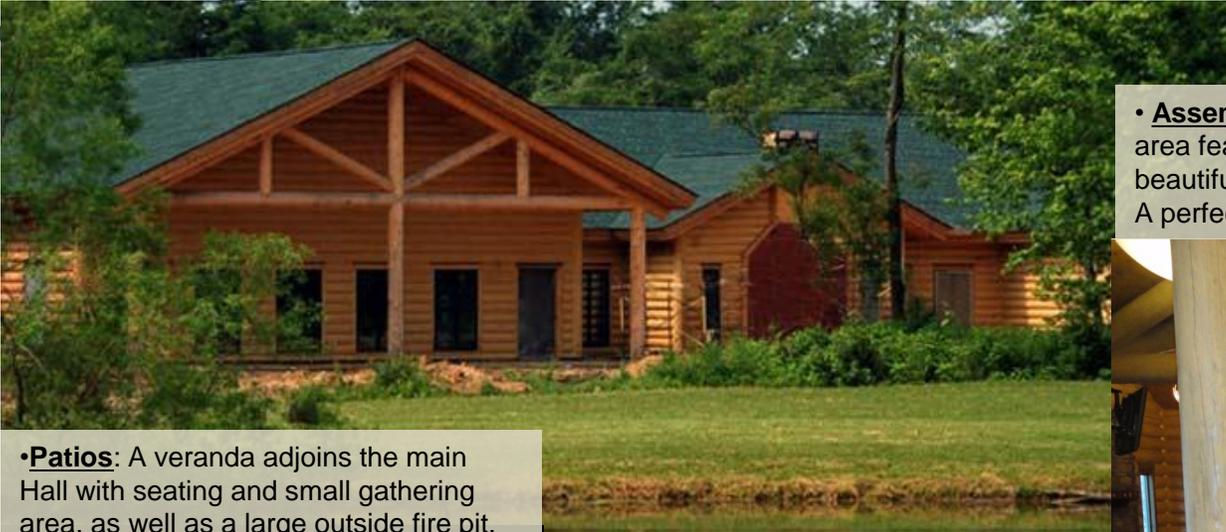
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- 2 miles from cantonment
- Deployment processing for 1xBDE
(with all equipment and personnel within 72 hours)



Atterbury Conference Center



• **Patios:** A veranda adjoins the main Hall with seating and small gathering area, as well as a large outside fire pit.



• **Technology and Audiovisual** The Atterbury Conference Center has full network connectivity with the Indiana National Guard computer networks. Network connections will need to be activated on an as-needed basis. The Center has robust audiovisual capabilities, including sound systems and digital projector systems included in each private conference room. Cable TV, VTC, RCAS and ISP internet access amenities are also available upon request.

• **Meeting/Conference Rooms:** Two private meeting/conference rooms designed for small breakout meetings. Each room encompasses 250 square feet allowing seating for up to 10 people.

• **Assembly Area:** A stunning 2,400 square foot reception area features an imposing stone fireplace, adorned with beautiful wood carvings and a stunning stained glass window. A perfect setting for pre or post meeting or social area.



• **Auditorium:** This beautiful 5,800 square foot hall, which seats up to 240 when configured in an auditorium arrangement, allows for spacious formal presentations and glamorous meets and greets. In addition, seating up to 150 is available for classroom settings or 160 for dining settings.



Simulations Training and Exercise Capability Overview

(1 of 2)



1 Joint Simulations Training and Exercise Center (JSTEC)

2 Mission Training Complex (MTC-ATT)

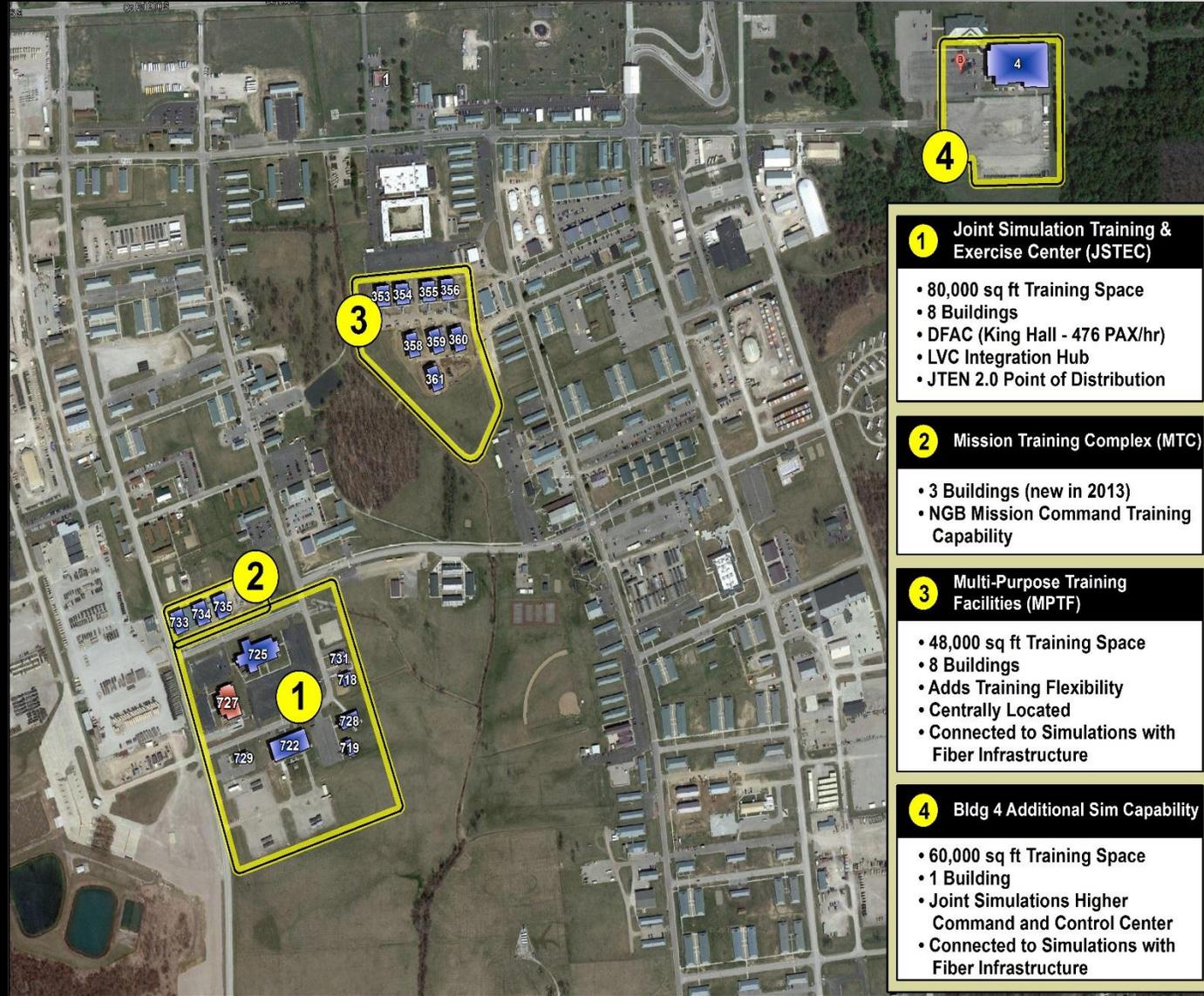
3 Multi-Purpose Training Facilities (MPTF)

4 Building 4- Additional Sim Capability

Capability Summary

- 188,000 sq ft
- High-speed fiber connected
- JTEN 2.0 distributable

MISSION: Provide a prominent simulation training and exercise environment, flexible and configurable, ready to serve the needs of any state, local, or federal government agency.



- 1** Joint Simulation Training & Exercise Center (JSTEC)
- 80,000 sq ft Training Space
 - 8 Buildings
 - DFAC (King Hall - 476 PAX/hr)
 - LVC Integration Hub
 - JTEN 2.0 Point of Distribution

- 2** Mission Training Complex (MTC)
- 3 Buildings (new in 2013)
 - NGB Mission Command Training Capability

- 3** Multi-Purpose Training Facilities (MPTF)
- 48,000 sq ft Training Space
 - 8 Buildings
 - Adds Training Flexibility
 - Centrally Located
 - Connected to Simulations with Fiber Infrastructure

- 4** Bldg 4 Additional Sim Capability
- 60,000 sq ft Training Space
 - 1 Building
 - Joint Simulations Higher Command and Control Center
 - Connected to Simulations with Fiber Infrastructure

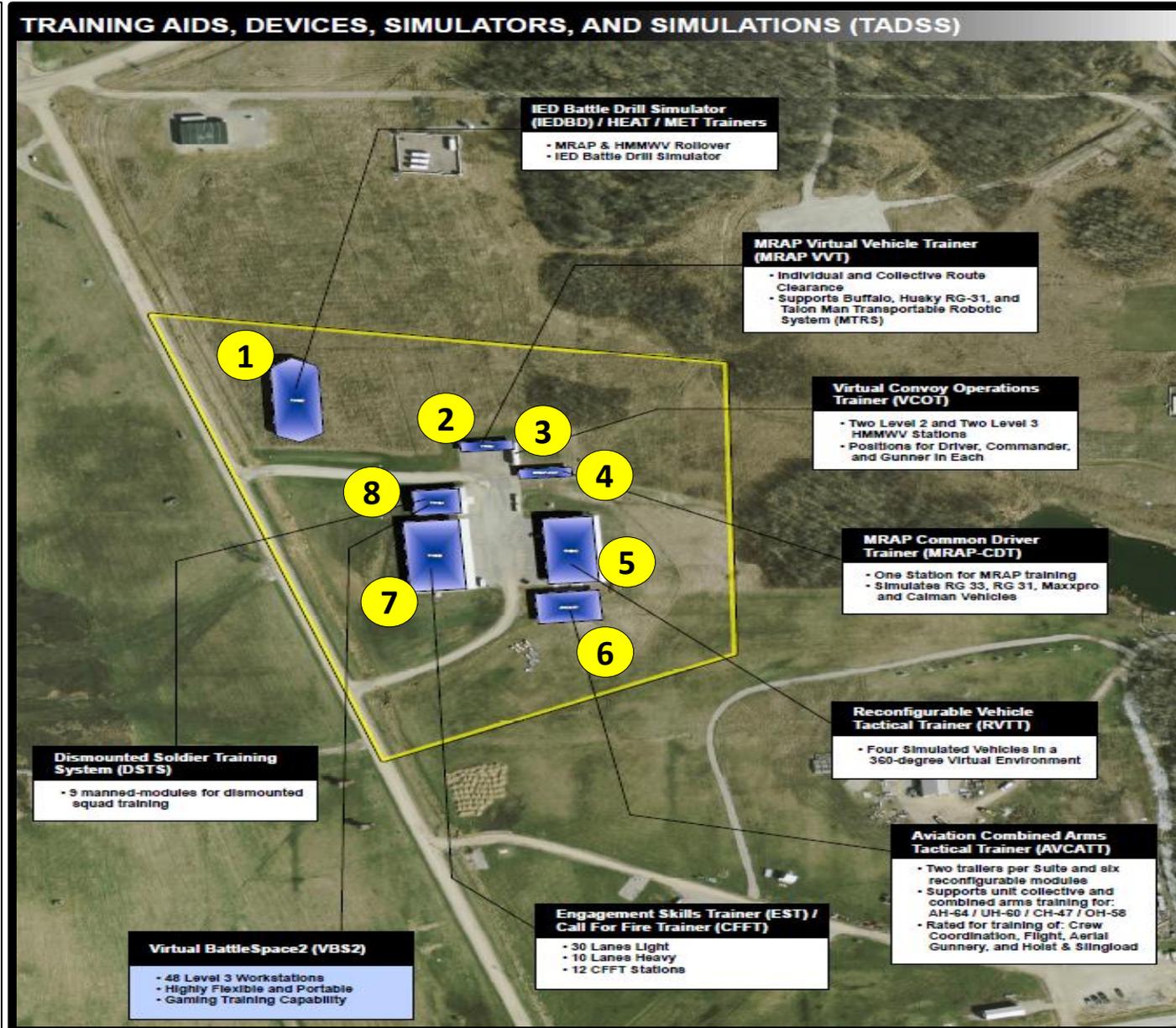
Simulations Training and Exercise Capability Overview

(2 of 2)



- 1** Rollover Trainers (MET/HEAT)
 - 2** MRAP-Virtual Vehicle Trainer (MRAP-VVT)
 - 3** Virtual Convoy Operations Trainer (VCOT)
 - 4** MRAP Common Driver Trainer (MRAP-CDT)
 - 5** Reconfigurable Vehicle Tactical Trainer (RVTT)
 - 6** Aviation Combined Arms Tactical Trainer (AVCATT)
 - 7** Engagement Skills Trainer (EST)
 - 8** Virtual Battle Space 3 (VBS3)/ Dismounted Soldier (DSTS)
- Capability Summary**

 - 25-acre complex
 - 45,000 sq ft
 - Blended Training Capability/ Distributable



JSTEC Walking Campus

(Up to 2500 PAX)



A Simulation Capability

- JSTEC – ~80,000SF
- MPTF – ~48,000SF

B DFAC Capability

- King Hall – 476/hr
- BLDG 350 – 800/hr

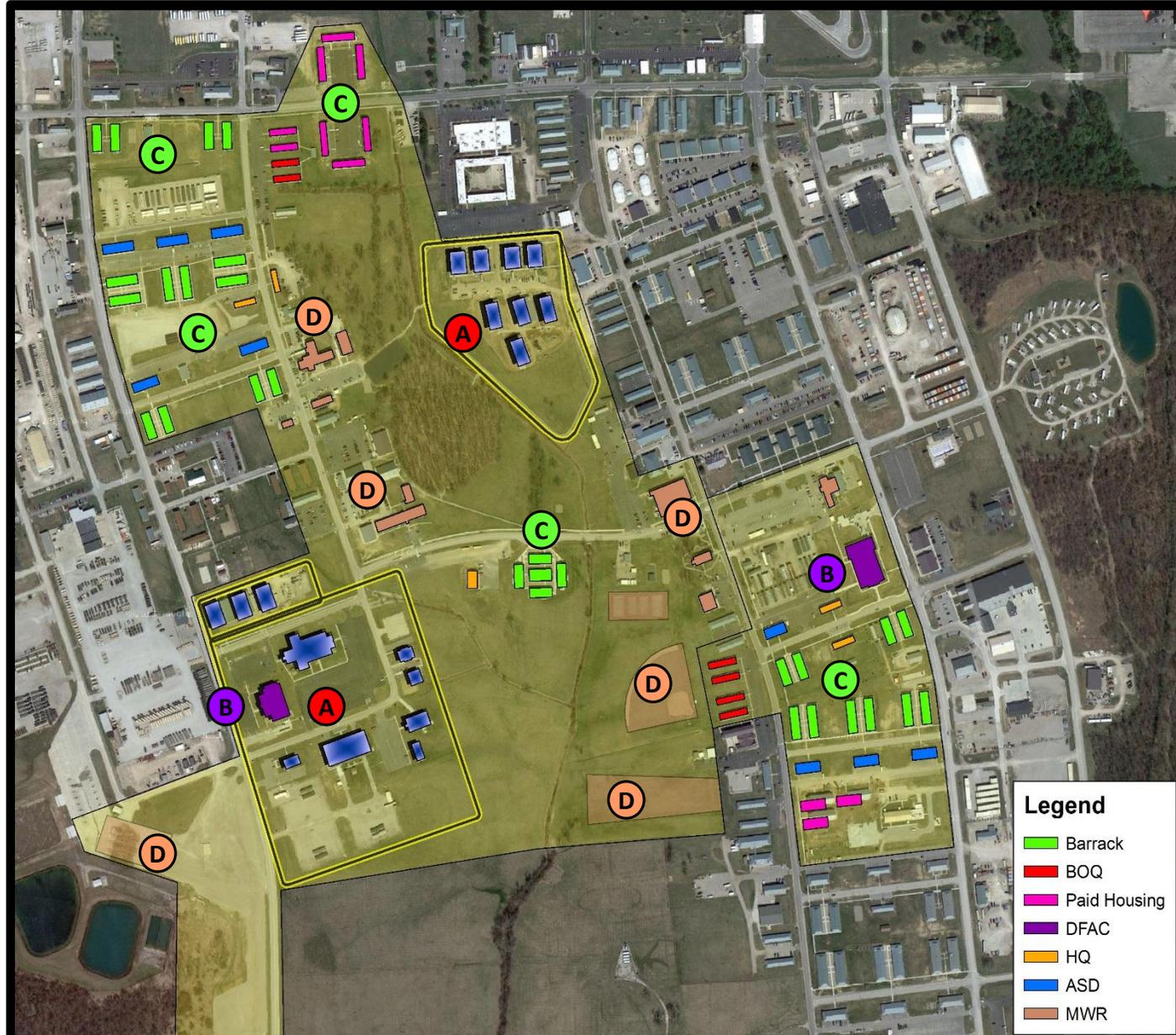
C Billets

- 200 Block – 896 Pax
- 500 Block – 320 Pax
- 600 Block – 896 Pax
- 700 Block – 240 Pax
- Paid Hsing – 220 Pax
- BOQs – 120 Pax
- **Total – 2,692 Pax**

D MWR/ Other Assets

- Troop Medical Clinic
- Vehicle Wash Rack
- PX, barber, laundry
- Gym, Chapel
- Sports Complex
- Driving Range
- Jogging Track

Extended Campus Area
(~3/4 mile by road or sidewalk)



Legend

- Barrack
- BOQ
- Paid Housing
- DFAC
- HQ
- ASD
- MWR

Muscatatuck Urban Training Complex



Muscatatuck Footprint

Specifications	Size
Overall Size	967 acres
Training Structures	Over 120
Number of rooms	Over 2,000
7 Story Buildings	1
5 Story Buildings	1
3 Story Buildings (w/basements)	20
2 Story Buildings	16
Split Level Buildings	6
Single Level Buildings	42
Buildings with Basements	24 total
Tunnels	1 mile
Reservoir	180 acres
Rubble Buildings	8 (+2 piles)
Roads	9 miles
Army CACTF	23 BLDGS

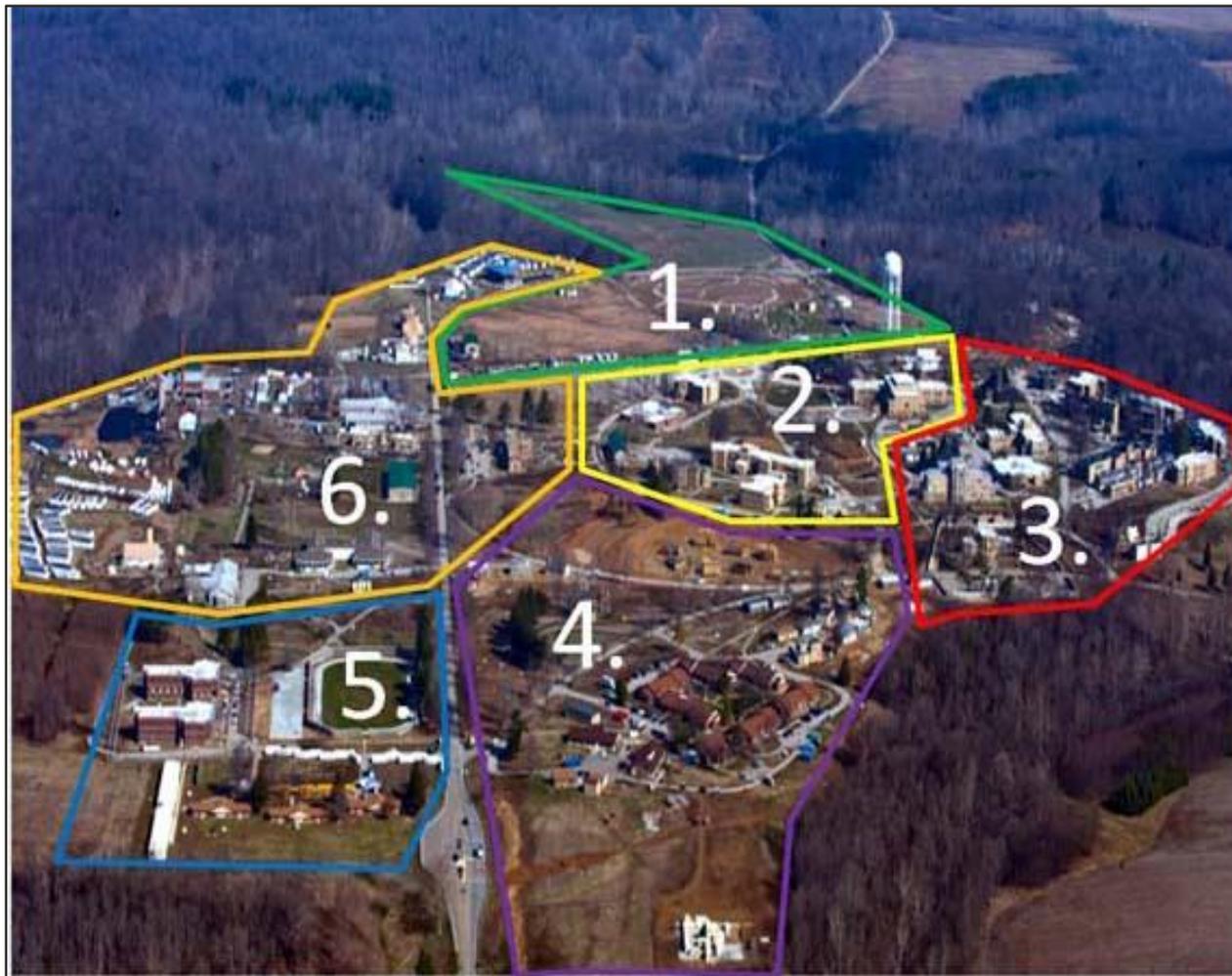
Muscatatuck Zones

MUTC Districts

Organized Into zones that depict certain themes in a city layout –
Urban Terrain Zones.

1. Rural (Farm + Slums)
2. Educational (Univ + Dorms)
3. Urban Core (Urban Canyon + Hosp + Embassy)
4. Residential
5. Rule of Law
6. Industrial/Municipal Services

Helps regulate and tailor the training to
DoD, DHS, and UAP entities.



Major Venues (cont'd.)



Rubble Piles (SAR Lanes)



Flooded Community



Prison Complex



**Range Operations Center - 120 PAX Capacity
Advanced AAR Facility with CACTF Feeds**

Training/Testing Venues



Residential Area



Train Depot



Subway Station



Bus Depot



Slums



Bomb Lab / SSE



Courtroom



Jail



Train Derailment



Muscatatuck Academy

Lines of Communication Networks



MUTC Roads



North-South Road - refurbishment



8th Ave - refurbishment



Roundabout



Roundabout

**9 Miles of Roads (radial), 3
Traffic Circles, Overpass,
Tunnels, Caves**



Overpass



Tunnels

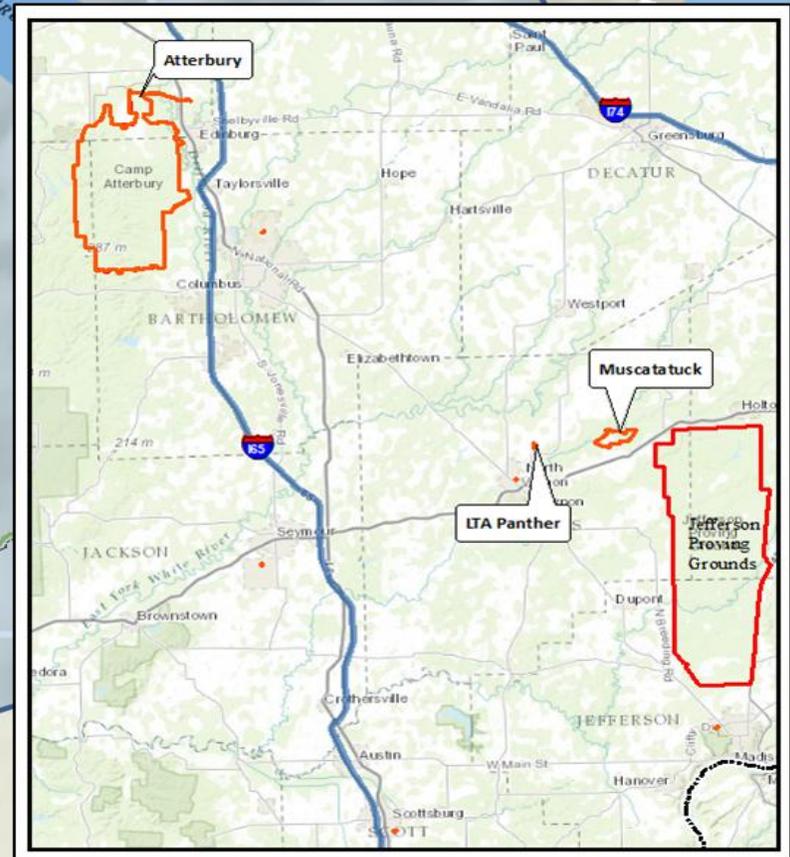
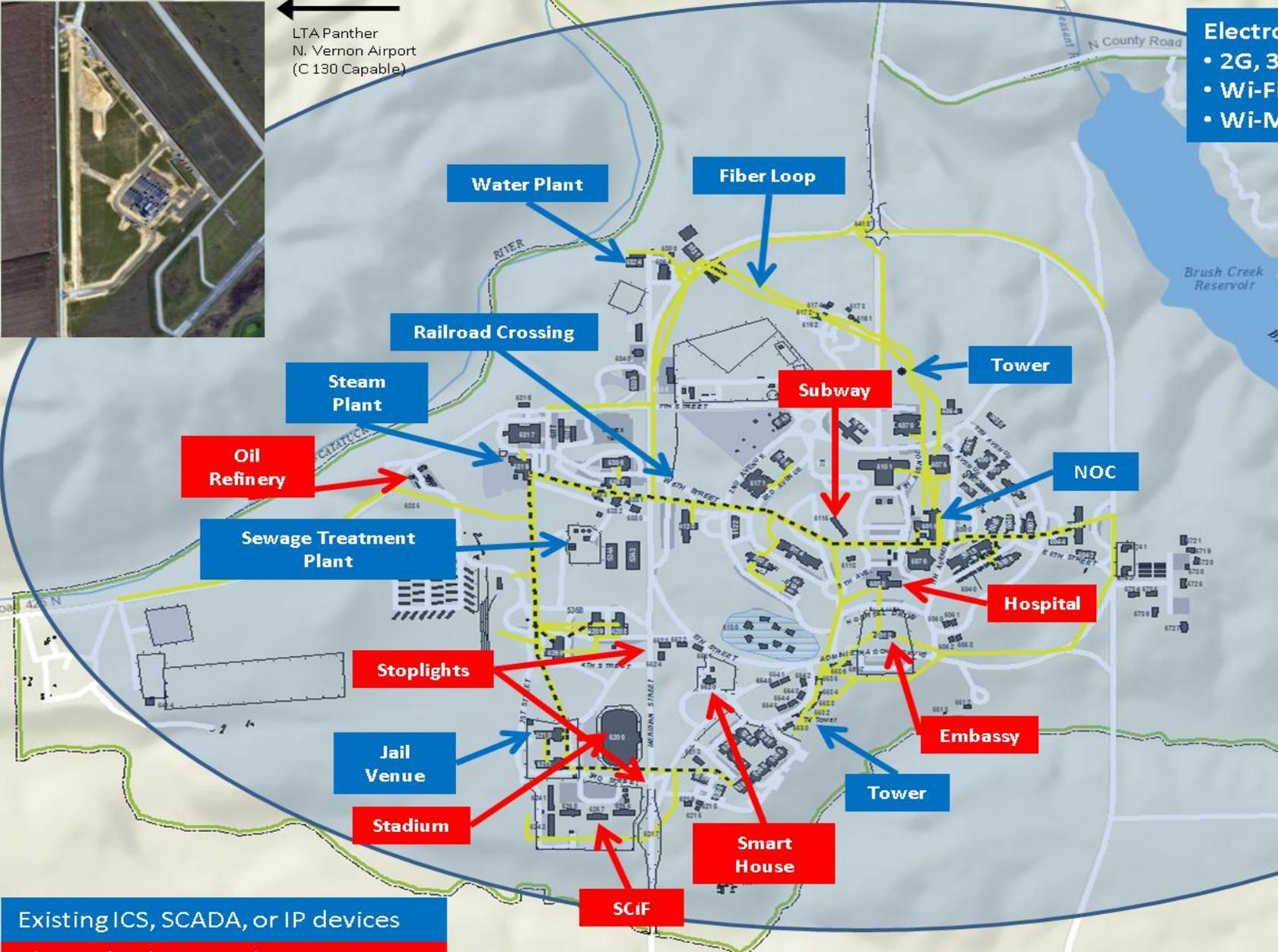


Caves

MUSCATATUCK CYBER

LTA Panther
N. Vernon Airport
(C 130 Capable)

- Electromagnetic Environment**
- 2G, 3G, 4G Cellular Systems
 - Wi-Fi Systems
 - Wi-Max Systems



Existing ICS, SCADA, or IP devices
Planned Cyber Development

UNCLASS//FOUO

MUTC EME/Signal Capabilities

ElectroMagnetic Effects System

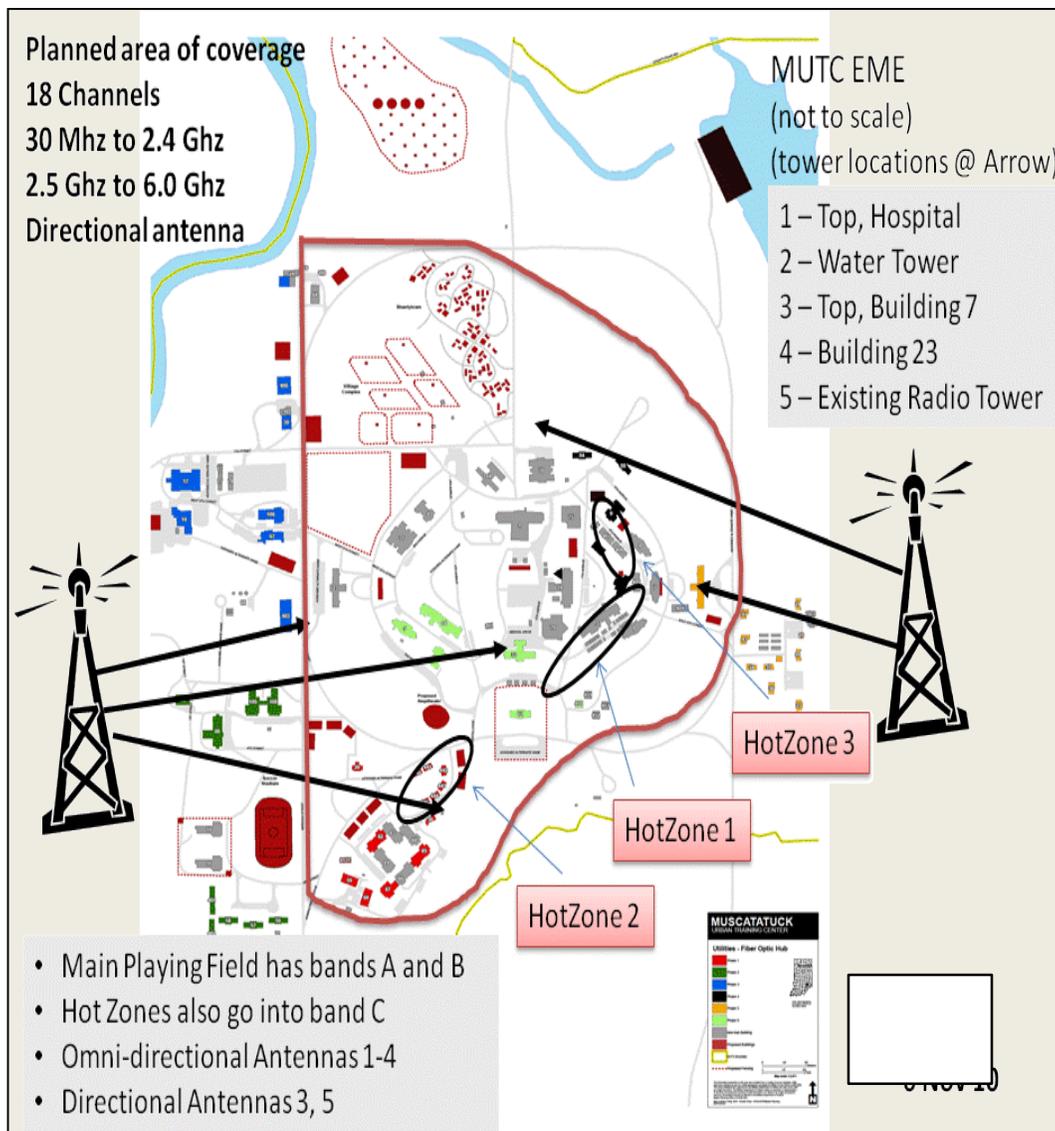
- Crane NSWC designed system to replicate the EME Environment of any major city in the world.
- Electronic spectrum recording can be replayed to replicate the EME environment of various operating environments.

Granite System

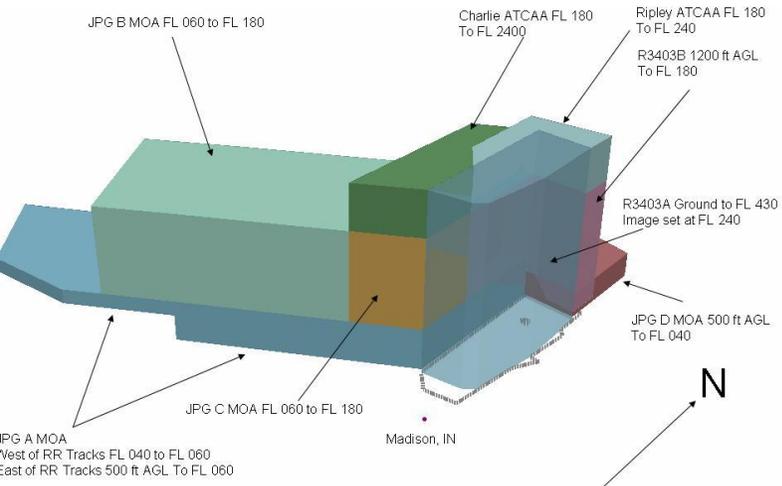
- Closed Network 2G, 3G, and 4G Cellular phone system.
- Replicates multiple towers/providers.
- Provides unique capability in the testing of CIED, sensors, and communications systems in a realistic urban environment.

Other Capabilities

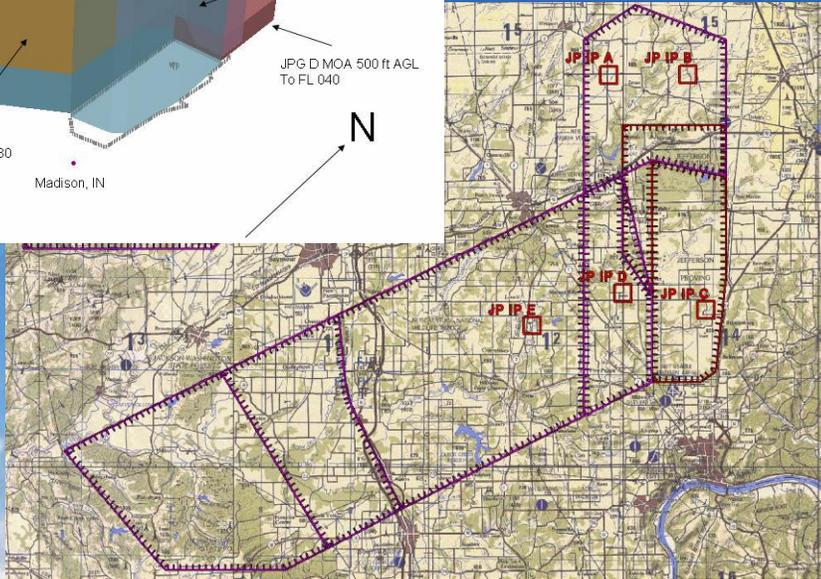
- 74 Fibered buildings.
- 3,000 strands of fiber on campus.
- Campus is saturated with dark fiber to multiple buildings.
- SIPR Room – 3 thin clients available.
- SCIF Room working.
- 2 Static VTC locations.



R3403 A/B and the JPG MOAs



Jefferson Range



- Air-to-ground and JTAC SMEs
- Air-scored targets
- Strafe targets
- Rocket targets
- Laser capabilities
- Day and night operations for manned and unmanned activity
- Restricted airspace for unmanned flight training and testing

