Joint Engineer Doctrine

Sponsored by

Moderator: Maj. Gen. Todd Semonite, P.E., USA, USACE Deputy Commanding General and Deputy Chief of Engineers

Speakers:
- BG Anthony Funkhouser, Commandant, U.S. Army Engineer School
- Rear Adm. (sel.) Louis Cariello, P.E., CEC, USN, Deputy Commander, Navy Expeditionary Combat Command
- Col. David DeMartino, P.E., USAF, Director of Staff, AFCEC
- Col. Allan Webster, USA, USCENTCOM, J4 Engineer
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The Changing Mindset That Will Drive Doctrine

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<tr>
<td>Force Generation Cycle</td>
<td>Alert – Train – Deploy</td>
<td>Train – Alert – Employ</td>
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<td>Force Employment Focus</td>
<td>Brigade</td>
<td>Tailorable &amp; Scalable</td>
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<td>Building Combat Power</td>
<td>Deliberate Build of Combat Power</td>
<td>Rapid Aggregation and Disaggregation</td>
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<td>Deployment</td>
<td>Scheduled deployments to mature theater</td>
<td>No-notice deployment to austere location and unknown mission</td>
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<td>Deploy then Employ</td>
<td>Deploy = Employ “Fight from the ramp”</td>
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<td>Lift = Movement + RSOI (“4” Focused)</td>
<td>Lift = Operational Maneuver from Strategic Distances (“3” Focused)</td>
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<td>Sustainment</td>
<td>Fixed/established lines of communication</td>
<td>Austere environment</td>
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<td>Heavy footprint with vulnerable GLOCs</td>
<td>Minimal footprint Delivery direct to point of need</td>
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Evolution of Joint Engineer Doctrine


Joint Engineering
Joint Engineering Operations
Joint Engineering Operations
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Joint Engineering Operations

JP 3-34
JP 3-34
JP 3-34
JP 3-34
JP 3-34
JP 3-34

JP 3-15
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JP 4-04
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Barriers, Obstacles, & Mine Warfare for Joint Operations
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JCA's Distinguish Geospatial Engineering From Geospatial Intelligence Support to Joint Operations

Counter-Improvised Explosive Device Operations
Joint Explosive Ordinance Disposal Operations

2008

Counter-Improvised Explosive Device Operations

JP 3-XX

2012

Joint Explosive Ordinance Disposal Operations

JP 3-15.1

Unclassified

Joint and Army Doctrine Linkage “From the Army Engineer Perspective” (MAY 2014)

BG Tony Funkhouser
95th Commandant
US Army Engineer School
Purpose

Provide an overview of how Joint and Army doctrine are nested/linked and mutually supporting.

Engineer Headquarters Mission and Vision

Engineer “Boxtop”

Types of Doctrine

Relationship of Joint Doctrine to Army Doctrine

FM 3-34 Strategic Narrative

MISSION: ENGINEER HQs and SCHOOL generates the military engineer capabilities the Army needs: training and certifying Soldiers with the right knowledge, skills, and critical thinking; growing and educating professional leaders; organizing and equipping units; establishing a doctrinal framework for employing capabilities; and remaining an adaptive institution in order to provide Commanders with the freedom of action they need to successfully execute Unified Land Operations.

VISION: A profession and Regiment of Great Engineers that provides the Army with the military engineer expertise and capabilities to enable freedom of action for commanders to successfully execute unified land operations.

- Engineers are the “Swiss-Army Knife” of the Army
- The World’s Best Military Engineers
- Technically as well as Tactically Expert
- You’re never alone in the lodgment
- Warriors Always
- Expeditionary Training and Mindset
- Regimental Family of Soldiers and civilians that inspire each other
- Most Flexible and Adaptive Units and People
- Soldiers who dare to demand “Let Us Try”…and get it done
Key Tasks for the Profession

- Breed the Army’s best/most creative and agile leaders... inspired with passion
- Focus on the unique skills and capabilities our Regiment provides
- Support the forces in contact (expeditionary ops, SOF, HLD, CYBER, theater shaping ops; partner capacity and infrastructure prep of theater). Engineers units are always in the fight.
- Capture what we have learned (or relearned) in twelve years of war... apply to it all DOTMLPF
- Weight the Main Effort by remissioning Engineers- no Engineers not applied to our missions (no Engineers in reserve)
- Build Great Engineers... warriors always
- Win as a team...JIIM-Industry-Academia
- From dawn of warfare to today and in the first and last 300 meters to any objective- maneuver, fires and engineers... serving proudly with a Sapper’s heart

Types of Doctrine

**Joint**: Fundamental principles that guide the employment of forces, or two or more military departments in coordinated actions toward a common objective. It is authoritative, as such, Joint Doctrine will be followed except when in the judgment of the commander, exceptional circumstances dictate otherwise. (JP 1-02).

**Army**: Fundamental principles by which the military forces or elements thereof guide their actions in support of national objectives. It is authoritative but requires judgment in application. (JP 1-02)

**Multi-Service**: Fundamental principles that guide the employment of forces of two or more Services in coordinated action toward a common objective. It is ratified by two or more Services, and is promulgated in Multi-Service publications that identify participating Services. Examples are the Army-Marine Corps doctrine, and the ALSA Center (Air Land and Sea Application Center). (JP 1-02). Note that many Army Engineer publications are multi-service with the Marine Corps.

**Multinational**: Fundamental principles that guide the employment of forces of two or more nations in coordinated action toward a common objective. It is ratified by the participating nations e.g. NATO and ABCA. (JP 1-02)
Most Joint Doctrinal publications have a Lead Agent (Service) who actually writes (and updates) the respective publication IAW the Joint Staff and other Services. The US Army Engineer Regiment is the Lead Agent for JP 3-34 (Joint Engineer Operations), JP 3-15 (Barriers, Obstacles, and Mine Warfare for Joint Operations), and JP 3-15.1 (C-IED Operations). JPs 3-34 and 3-15 are currently being revised.

\textbf{Army:} Combinations of Offense, Defense and Stability Operations
- \textit{Army:} Military Decision Making Process (adopted as the Joint Operations Planning Process)
- \textit{Air Force:} Effects-Based Approach
- \textit{Marine Corps:} Warfighting Functions (adopted as Joint Functions)

The US Army Engineer Regiment is the Lead Agent for JP 3-34 (Joint Engineer Operations), JP 3-15 (Barriers, Obstacles, and Mine Warfare for Joint Operations), and JP 3-15.1 (C-IED Operations). JPs 3-34 and 3-15 are currently being revised. We (the Army Engineer Regiment) has a lot of influence in the verbiage that is changed in these publications.
Unified Action

Central idea: synchronization, coordination, and/or integration of the activities of governmental and non-governmental entities with military operations to achieve unity of effort.

Unified Land Operations

Seize, retain, and exploit the initiative to gain and maintain a position of relative advantage in sustained land operations in order to create the conditions for favorable conflict resolution enabled by four foundations:

- **Decisive Action**
  - Defense, Offense, Stability, DSAC Tasks
  - By means of
    - Army Core Competencies
    - Combined Arms Maneuver
    - Wide Area Security
  - Guided by Mission Command

JP 3-0 “Joint Operations”

ADP/ADRP 3-0 “Unified Land Operations”

Note: Defense Support of Civil Authorities (DSCA) tasks are only conducted on US Territory. Stability tasks are conducted on non-US Territory.

The FM 3-34 “So What”

FM 3-34 is the Engineer Regiment’s “CAPSTONE” Manual and provides a Solid Foundation for the Entire Engineer Regiment to Build on. The FM should also be in the “Ruck Sack” packing list of every Regiment/Branch in the Army – truly shows how diverse the Engineer Regiment is and how much we can bring to the “Fight.” **WE** are the “Swiss Army Knife” for the Army.
The new FM 3-34 is a “Leaner” Edition and reduces redundancy found in the AUG 2011 Edition of FM 3-34. It provides the “Most up to Date” framework for the Engineer Regiment. The information reduced is included in other Engineer and Engineer Led Manuals (Engineer Operations BCT and Below, Engineer Operations Echelons above BDE, Combined Arms Mobility, etc.)

- Modification of the Engineer “Box Top” to fully nest and support Unified Land Operations.
- Transition of the Brigade Engineer Battalions (BEBs) into the Brigade Combat Teams (BCTs) – the biggest unit organizational change to the Engineer Force in several years.
- Adoption of the Joint Publication (JP) 3-34 definitions for combat, general, and geospatial engineering. Fully nests with Joint Doctrine.
- Modification of the three engineer disciplines – Combat, General, and Geospatial Engineering. Shows holistically the interdependencies and complementing facets of these three disciplines.
- Emphasis on the principle of means, ways, and ends. The disciplines are the means to which the Regiment applies its capabilities to achieve the ends. The ways are how the capabilities of the Regiment are applied to enable combat power. The ends provide freedom of action to enable ground forces to seize, retain, and exploit the initiative to enable unified land operations.
- Modification of two of the four lines of engineer support:
  * Enable force projection was added to the enable logistics line of engineer support.
  * Build partner capacity was added to the develop infrastructure line of engineer support.
Questions / Discussion
Navy Expeditionary Combat Command

Coastal Riverine

Explosive Ordnance Disposal

Naval Construction (Seabees)

Navy Expeditionary Combat Command Mission:
Organize, man, train, equip and sustain Navy Expeditionary Combat Forces to execute combat, combat support, and combat service support missions across the full spectrum of naval, joint and combined operations which enable access from the sea and freedom of action throughout the sea-to-shore and inland operating environments.

Command Relationships

Chief of Naval Operations

USFF

NECC

Adaptive, Responsive, Expeditionary
Command Relationships

NECC OV-1 Phase 1-5 Operations
Key Issues & Lessons Learned

• NECC Adaptive Force Packaging (AFP) Concept
  – leverage our post 9/11 joint engineer experience

• Sourcing Engineer Forces for GFMAP Missions
  – Fiscal challenges have resulted in force structure cuts and re-organization
  – Service re-organizations threaten engineer force capacity

• Joint Exercises!

Questions?
Who to Engage:

Joint Staff Doctrine Sponsor - LTC Brian Griffin, brian.e.griffin4.mil@mail.mil
JOEB – Mr Tim O’Rourke, timothy.s.orourke.civ@mail.mil

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FY12 NCF Unit Alignment

Cuts: 13, 14, 15

Active

Reserve

NECC

Adaptiv
FY15 NCF Alignment

22 and 30 NCR:
• Deployable C2 staffs able to meet OPLAN timelines
• NCR Commanders are dual-hatted as deputy group commander

NECC Organization

NECC
Adaptive, Responsive, Expeditionary