



ENGINEER UPDATE

Commercial numbers are (573) 563-xxxx and Defense System Network (DSN) numbers are 676-xxxx unless otherwise noted.

Doctrine Development Division

Engineer Tactics, Techniques, and Procedures (TTP). Draft TTP available at <http://www.wood.army.mil/PUBS/tpts/engrtpts.htm> are—

- Antipersonnel Obstacle-Breaching System (APOBS)
- Deployable Universal Combat Earthmover (DEUCE)
- Joint Rapid Airfield Construction (JRAC)
- Maneuver Control System-Engineer (MCS-E)
- Military John Deere GATOR (MGATOR)
- Mini Mine Detector (MIMID)
- Miniflail
- Robotic Military Operations in Urban Terrain (MOUT) Rubble Clearer
- Raptor
- Rapid Hardcopy Reproduction (RHR)
- Rapid Terrain Data Generation (RTDG)
- Skid Steer
- Selectable Lightweight Attack Munition (SLAM)
- Smart Mine Probe (SMP)
- Volcano Light
- Multipurpose Bunker

Deletion of Obsolete Publications. We have requested that several engineer publications be deleted from the Armywide inventory. The following publications are no longer valid for use by any Army component:

- TM 5-270, *Bridges, Cableways, Tramways and Suspension Bridges*
- TM 5-370, *Railroad Construction*
- TM 5-401, *Erection Procedures for Bldg, T-5 Arctic, Prefabricated, Panelized Wood, 20' x 48'*
- TM 5-402, *Erection Procedures for Bldg, Prefabricated, Ready Cut, Round Arch, Frigid, 20' x 48'*
- TM 5-744, *Structural Steelwork*
- TM 5-745, *Heating, Ventilation, Air-Conditioning and Sheetmetal Works*
- FM 5-488, *Logging and Sawmill Operations*

POC is LTC Harry Rossander, (573) 596-0131 ext. 3-7537, or DSN -7537, or e-mail rossandh@wood.army.mil.

The Army School System (TASS) Division

E-5 Instructor Policy Letter. The Engineer School has published an E-5 Instructor Policy Letter to alleviate the current instructor shortage adversely impacting engineer TASS battalions. TASS training battalions desiring to use E-5 instructors must comply with all aspects of the policy letter before the Engineer School will grant authorization to use E-5 personnel.

POC is MSG Robert Chartier, (573) 596-0131 ext. 3-5950, or e-mail chartier@wood.army.mil.

Graduate School. We continue to increase the number of graduate-degree options for our advanced-course students. We now have a degree in geology and geophysics to complement our preexisting degrees of engineering management, environmental engineering, civil engineering, and public policy and administration. Lieutenants should contact branch immediately for Engineer Officer Advanced Course scheduling.

POC is CPT Marc Hoffmeister, (573) 596-0131 ext. 3-5641, or DSN -5641, or e-mail hoffmeim@wood.army.mil.

Small-Group Leaders (SGLs) for Engineer Officer Advanced Course. An SGL serves as the instructor, leader, and mentor for his team of 14 students. The assignment is challenging and rewarding as each SGL contributes to the future shape of the Engineer Regiment. Branch-qualified captains are encouraged to consider an assignment as an SGL as a valuable component of their career progression and experience base. Commanders are encouraged to identify suitable officers and highlight the SGL assignment during career counseling.

POC is MAJ Dave Luhrs, -4128, or e-mail luhrsd@wood.army.mil.

Planning Aid for Combat Engineers (PACE). PACE provides engineer planners at the battalion and brigade task-force levels with doctrinally based standardized engineer planning tools, information, and battle-tracking spreadsheets in digital and analog format. It includes sections on key duties of engineer staff, the military decision-making process/engineer estimate, engineer battlefield assessment, battle-tracking charts, and planning considerations for offensive and defensive operations. It can be downloaded from the Fort Leonard Wood Web pages at <http://www.wood.army.mil/Tact/>.

POC is MAJ Ken McKay, (573) 596-0131 ext. 3-5592, or DSN -5592, or e-mail mckayk@wood.army.mil.

Countermine/Mine Awareness Training Aids. The Countermine Training Support Center does not have a supply of training aids, and the Humanitarian Demining Training Center (HDTTC) is restricted from releasing training aids to units other than those legitimately supporting the U.S. Humanitarian Demining Program. In light of this situation, we offer the following assistance:

- Redstone Arsenal is the Army's production facility for many training aids (mine and UXO boards and "rubber ducks"). POCs at Redstone are Randy Porter, (256) 955-6079; Merlin Largen, (256) 842-2351; or Kenneth Patrick, (256) 876-0036.

Department of Instruction

Tactics Division

Countermine Training Support Center

- Your installation TSC should carry GTA 5-10-44, *The Mine-Awareness (SANDI) Card*, and the U.S. Mine Awareness Training Video (number 710956).
- The United Kingdom has produced an excellent mine-awareness video titled *Mine Strike*. You can obtain a copy through the British Defense Film Library, phone 011 44 1494 87825, or e-mail bdfil@ssvc.com.
- You can also attempt to procure actual inert mines (high quality but expensive) through Miltra Engineering Limited. The POC is Donald Syme, phone 011 44 1268 526 756. Redstone Arsenal and numerous other companies also produce expensive, inert mines.

Mobile Training Teams (MTTs). We continue to support requests for mine-awareness and countermine MTTs. Our calendar is filling fast, so if you're preparing for deployment and are in need of an MTT, please call soon. We normally try to schedule the actual training within three months of deployment.

POC is MAJ Randy Glaeser, (573) 596-0131 ext. 3-6199, or DSN -6199, or e-mail glaeserr@wood.army.mil.

Directorate of Training Development

Field Manual Update. The following field manuals have recently been printed and distributed. They are also available for viewing and downloading from the Reimer Training and Doctrine Digital Library at <http://155.217.58.58/atdls.htm>.

- FM 5-436, *Paving and Surfacing Operations*, dated 28 April 2000.
- FM 5-434, *Earthmoving Operations*, dated 15 June 2000.

The following field manuals will be sent to print within the next 60 days. Look for them on the MANSCEN Publications Page at <http://www.wood.army.mil/PUBS/newpubs.htm>.

- FM 90-13-1, *Combined-Arms Breaching Operations*. This manual provides combined-arms commanders, from company to brigade, and their staffs with the doctrine, tactics, and techniques needed to successfully overcome obstacles. It provides the commander with breaching fundamentals and information for planning, preparing, and executing breaching operations.
- FM 5-105, *Topographic Operations*. This manual describes doctrine for topographic operations in support of the U.S. Army's strategic, operational, and tactical mission.

POC is Sandra Gibson, -4100, or e-mail gibsons@wood.army.mil.