



MESSAGE TO THE REGIMENT #86: **“The Engineer Blast”**

August, September 2011

A. Overview: The Office of the Chief of Engineers is pleased to forward this 86th version of “The Engineer Blast”.

Thanks for all you do and stay safe – enjoy the **“BLAST!!”**

NOTE: In order to further enhance communications from the major entities of the Engineer Regiment to the field, the Office, Chief of Engineers (OCE) is facilitating a process to spread Engineer knowledge from the United States Army Corps of Engineers (USACE), The United States Army Engineer School (USAES), Engineer Branch, other Engineer agencies, and our office in the Pentagon. All links should work for .mil computers.



The following Army General Officer nomination was confirmed by the Senate on 23 September 2011:

Major General William T. Grisoli, United States Army, for appointment to the rank of lieutenant general and assignment as Director of the Office of Business Transformation, Office of the Under Secretary of the Army, Washington, DC. He is currently serving as Deputy Commanding General for Civil and Emergency Operations, United States Army Corps of Engineers, Washington, DC.

The Chief of Staff, Army announces the following officer assignment:

Brigadier General Peter A. DeLuca, Commanding General, United States Army Engineer Division, North Atlantic, Brooklyn, New York to Commandant, United States Army Engineer School/Deputy Commanding General, Concepts, Doctrine and Organizations, United States Army Maneuver Support Center of Excellence, Fort Leonard Wood, Missouri



The Chief of Staff, Army announces the following officer assignment:

Brigadier General Mark W. Yenter, Director, Joint Engineering Directorate/Commander, United States Army Engineer Division, Trans-Atlantic (Forward), United States Forces-Afghanistan, OPERATION ENDURING FREEDOM, Afghanistan to Commanding General, United States Army Maneuver Support Center of Excellence, Fort Leonard Wood, Missouri

The Army Engineer Spouses' Club announces the Army Engineer Memorial Awards and the Geraldine K. Morris Award for 2012. **Please note applications for the scholarships won't be available online until Nov 11.**

See section I, 3, c. for detailed information.

B. The U.S. Army Corps of Engineers (USACE) provides the following information:

1. Philadelphia Power Team provides much needed asset to war fighter in Afghanistan:

For Soldiers, Marines and Airmen in Afghanistan there are few comforts. Consistent electricity is one of them.*[Read More]* Published: Sep-27-11

2. Army Corps of Engineers supports National Public Lands Day, Sept. 24

Thousands of local volunteers at more than 120 U.S. Army Corps of Engineers sites will participate in this year's 18th annual National Public Lands Day, Sept. 24, the largest annual volunteer hands-on restoration activity of its kind.*[Read More]* Published: Sep-21-11

3. USACE Releases Report on Initial Research into the Effects of Woody Vegetation on Levees

The U.S. Army Corps of Engineers released the results of an advanced, quantitative research effort on the impacts of trees on levees.*[Read More]* Published: Sep-08-11

4. The 416th Theater Engineer Command offers the following: [Bridge Magazine](#), [Facebook](#), [Flicker](#)

5. Afghanistan Engineer District Jobs Available: [Area OIC](#), [Resident OIC Construction Rep](#), [MRAP Team Member](#)

6. [Afghanistan Engineer District North \(AEN\)](#)

Date	Title	Author
9/9/2011	Hundreds pay tribute to slain co-worker -Safety, security remain Corps' top priority	J. D. Hardesty
9/6/2011	Air Forcing their way in	Paul Giblin
9/6/2011	Small town, big business	LaDonna Davis
8/22/2011	Corps of Engineers ship hard-to-acquire sheet metal to Afghanistan	Paul Giblin
8/1/2011	AED-North wins best project development team in all of USACE!	LaDonna Davis

7. [Afghanistan Engineer District South \(AES\)](#)

Date	Title	Author
9/27/2011 New	USACE to build much-needed hospital in Shindand	Karla Marshall
9/27/2011 New	USACE recognizes employees for meritorious service and significant contributions	Karla Marshall
9/22/2011	Doing it better, faster is the constant for the Afghanistan Engineer District-South	Karla Marshall
9/18/2011	Afghanistan Engineer District-South Establishes New Division Focused on O&M	Mark Ray
9/18/2011	USACE team members receive recognition from RC South	Brenda Beasley
9/17/2011	2 Afghan National Police projects in Daykundi province underway	Karla Marshall
9/8/2011	USACE saves construction time and money in Afghanistan	Karla Marshall
9/6/2011	Regional Military Training Center Briefing	Mark Ray
9/2/2011	USACE recognizes outstanding legal staff	Karla Marshall
8/29/2011	USACE recognizes employees for meritorious service and significant contributions	Karla Marshall

News Stories and Features		
Date	Title	Author
9/24/2011	Contractors learn the USACE way to assure quality	Karla Marshall
9/22/2011	"Building Strong" on the Personal Level	Mark Ray
9/1/2011	Moving via an MRAP vehicle: an orchestrated process	Joan Kibler
9/1/2011	MRAP teams enable USACE to deliver quality construction	Joan Kibler
8/27/2011	USACE, Army divers team up for solutions at Kajaki and Dahla dams	Karla Marshall
8/17/2011	Helping Afghan engineers learn international construction standards	Karla Marshall

8. To view "[The Corps Environment](#)", a quarterly newsletter, you are invited to click on the hyperlink:

C. The [US Army Engineer School \(USAES\)](#) provides the following information:

A Message from the Acting Commandant and Regimental Command Sergeant Major

Recently, the Engineer Regiment determined that there was a need for our 12Z and 12X E9 populations to be able to compete for CSM billets across ALL of our engineer battalions/brigades as most of our engineer formations routinely employ both combat and construction effects engineers and the Brigade Engineer Battalion will contain both combat and construction engineers. With the changes in the way CSMs are selected there was a need to have 12Z and 12X interchangeable for selection to these key billets.

As a result of this analysis, on 7 September 2011 HQDA G1 approved an action initiated by the U.S. Army Engineer School and HQDA G3/5/7 to establish the enlisted MOS 12A in the grade of E9 in CMF 12 (Engineer). All TOE/MTOE/TDA positions and personnel in the grade of E9 currently identified by MOS 12X (General Engineering Supervisor) and 12Z (Combat Engineer Senior Sergeant) will be reclassified to 12A (Engineer Senior Sergeant). MOS 12X and 12Z will be retained at grade E8 only as the capper MOS for the subordinate construction engineer MOSs and combat engineer MOSs respectively. The establishment of this MOS 12A will correct an issue identified during the CSM/SGM Redesign Initiative that adversely affected position coding in engineer battalions and above echelons and the career progression opportunities for CMF 12 Soldiers. Command Sergeants Major and Staff Sergeants Major will be identified by ASI on all MTOEs.

Our 12Y E9 population will still be able to compete for 12A CSM/SGM billets within our TDA organizations as in the past based upon special instructions given to CSL Board Members by the Regimental Command Sergeant Major.

Implementation Timeline:

As a HQDA G1 and G3/5/7 approved out-of-cycle action, the revision will be effective in FY 13 requirements (TOEs) and authorization (MTOEs) documents and personnel will be reclassified effective 30 September 2012.

Any questions on this topic can be addressed to the Regimental Command Sergeant Major, CSM Terrence Murphy at terrence.murphy@us.army.mil

Message from the Assistant Commandant **Engineer Doctrine and Doctrine 2015**

After more than ten years of war, Doctrine 2015 is a Department of the Army initiative that will allow our Regiment the opportunity to reflect on our hard lessons learned and is the means to guide us into our future. Doctrine 2015 allows for fewer and better written manuals that are easily updated and relevant. Doctrine 2015 will create five separate categories of publications.

EN Doctrine Reengineering 2015

Army Doctrine Publications (ADP)

Fundamental principles
Engineer doctrine nested
 - Limit ten pages



Army Doctrine Reference Publications

(ADRP) Detailed information on principles; 1 per ADP; 75-100 pages

Field Manuals (FM) 2/50

Tactics and Procedures

USAES lead on two

- Enduring
 - No more than 200 pages



EN Operations - Remains primary foundation and be incorporated into ADPs and ADRPs.

Mobility - (EN lead, MSCoE Proponent, but CAC approved)
 Contains fundamental principals of Mobility including Gap crossing, breaching, and route clearance. (CIED defeat the device)

Army Techniques

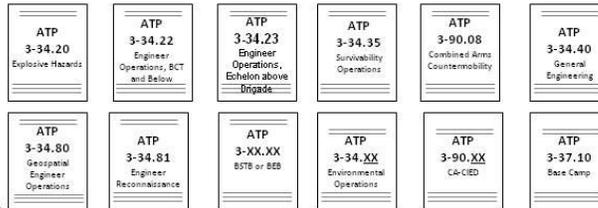
Publications (ATP) 12

EN Techniques

USAES lead on twelve

- No limit to number of ATPs or pages
 - Non-enduring
 - Maintained, Accessed, updated through MilWiki

*2 versions of ATPs (authenticated and unauthenticated)



Training Circulars (TC)

EN training information

(As of Sep 11)

Technical Manual (TM)

EN technical information

Army Doctrine Publications (ADP) contains only the absolute fundamental principles. They are limited to approximately ten pages. The projected ADP literature inventory is sixteen. ADP 1, The Army (replaces FM 1-0) and ADP3, Unified Land Operations (replaces FM 3-0, Operations) - EN are the only two publications considered to be Army “Capstone” manuals.

Army Doctrine Reference Publications (ADRP) provides a more detailed explanation of the principles contained in the ADPs. There should be no more than one ADRP for each ADP. These publications are limited to 75-100 pages and therefore must contain only the details that explain the principles contained in the ADPs.

Field Manuals (FM) will contain both tactics and procedures. There will only be a total of 50 FMs in doctrine literature inventory. Two of the fifty will be Engineer led, FM 3-34 (Engineer Operations) and FM 3-90.4 (Combined Arms Mobility Operations).

Army Techniques Publications (ATP) describes techniques that are non-prescriptive ways or methods used to perform mission, functions or tasks. The Engineer Regiment is responsible for twelve ATPs (Explosive Hazards; Engineer Operations BCT and Below; Engineer Operations, Echelon above Brigade; Survivability; Combined Arms Countermobility; General Engineering; Geospatial Engineer Operations; Engineer Reconnaissance; BSTB or BEB; Environmental Operations, Combined Arms Counter IED, and Base Camps). Most importantly, the engineers will be able to provide relevant feedback via a website called milWiki. ATPs will be posted on a milWiki site and are unauthenticated documents that should only be used by the field to make comments. These comments will be reviewed, vented and approved by USAES senior leadership and Commandant. We cannot stress enough that the only publications that should be referenced for execution should be found on the authenticated sites of the Reimer Digital Library (RDL) and the Army Publishing Directorate (APD).

Technical Manuals (TM) are general subject manuals and are departmentally approved (USAES Commandant) and are not authenticated as doctrine. TMs apply only to branch specific tasks such as carpentry, quarry, well drilling etc. where the target audience is engineers. There are a total of 32 FMs that will be converted to TMs.

The Engineer Regiment will be responsible for a total of 14 doctrinal manuals (two FMs, and twelve ATPs). Doctrine 2015 comes at the perfect time as we responsibly withdraw from Operations in Iraq. Your active participation in Doctrine 2015 will allow for the capture of pertinent lessons learned over the past decade so that the Engineer Regiment remains trained and prepared for tomorrow without the loss of any information and our fundamental principles, tactics and procedures are well written.

RDL website: <https://rdl.train.army.mil/soldierPortal/soldier.portal>

APD website: <http://www.apd.army.mil/default.asp>

milWiki website: https://www.milsuite.mil/wiki/Portal:Army_Doctrine

Please address all doctrinal questions to leon.cdiddcoddengdoc@conus.army.mil.

Field Manual (FM) 3-34, Engineer Operations (AUG 11) is Released

The Engineer Doctrine Branch completed the development of Field Manual (FM) 3-34, Engineer Operations. This manual has the publication date of August 2011. It is posted on the Army Publishing Directorate at <http://www.apd.army.mil> and the Reimer Digital Library at <https://rdl.train.army.mil>.

FM 3-34 provides a common framework and language for engineer tactics and procedures for the Regular Army, Army National Guard and the United States Army Reserve. It presents doctrinal guidance and direction for conducting engineer activities and how they contribute to full spectrum operations. This manual is a key integrating publication that links the doctrine for the Engineer Regiment with Army capstone doctrine and joint doctrine. It focuses on those aspects that are most significant to engineers in order to synchronize and coordinate the diverse range of capabilities in the Engineer Regiment to successfully support the Army and its mission. FM 3-34 provides operational guidance and targets engineer commanders, staff officers and trainers at all echelons and forms the foundation for Army Engineer School curricula.

This edition provides doctrine on engineer support to operations with a chapter for each of the three major sections of the engineer framework and chapters on mission command, operations process and sustainment considerations.

This is a crucial document for the regiment and this newest version (August 2011) documents the "boxtop" as our doctrinal framework.

POC for FM 3-34 (Aug 2011):

MAJ (P) Sinlan Morrow
Chief, Engineer Doctrine
MSCoE, CDID, CODDD
Fort Leonard Wood, MO
Office: 573-563-2717

NIPR: sinlan.morrow@us.army.mil

SIPR: sinlan.morrow@us.army.smil.mil

Regimental Command Council (RCC)

The Regimental Command Council (RCC) will be held again this fall. Dates are 2-4 November. Currently the schedule includes a no-host social on the evening of 2 November, a full day of conference on 3 November, and half a day on 4 November. While there are some fairly recent Secretary of the Army guidelines on conferences USAES is working through, we are confident that the conference will go forward as planned. Please note the dates and try to hold them on your calendars.

The target audience remains the same - Brigade and TEC Commanders with their Command Sergeants Major as well as Colonel Level District Commanders, Chief Warrant Officer 5s, ASCC Engineers, COCOM Engineers and select key positions (OCE, USACE G3, G3 O/I, etc.).

This year the RCC will be held in Chicago to facilitate travel. The 416th TEC is assisting.

USAES will post updates regarding the RCC on the [USAES Commandant's Corner](#) on milSuite. Registration website should be available on 15 October. Link will be posted on the [USAES public website](#) and the

Commandant's Corner.

POC: Mr. Jim Rowan
Deputy Commandant, USAES

Message from the Deputy Assistant Commandant (Army Reserve)

Many thanks to all of you who have responded with regards to including the Army Reserve voice into your discussions. This issue I wanted to spend some time talking about is the Lessons Learned Integration (L2I) program that is executed by the USAES. The L2I program serves three specific areas:

- Supporting those units currently in the field with issues that require research, analysis, and most importantly a solution. The primary feeder to this is either of the Engineer Warfighter Forum VTC, or the RFI process which can be initiated on the ESKN (Engineer School Knowledge Network) which can be located at <https://www.us.army.mil/suite/page/637460>.
- Supporting those units preparing to deploy through different means of integration to provide training solutions based on either RFIs or through site visits in the pre-deployment timeframe to ensure that key lessons from previous deployments are considered, as well as potential training challenges are avoided.
- Providing solid documentation of the service rendered by our engineer Soldiers and leaders which then forms the fabric of the Regimental history.

In order for us to be able to ensure both documented history, as well as have a basis for analysis, unit After Action reports are the life blood of L2I. What I am asking, not only the Army Reserve readers, but members of ALL components, is that if you have an unclassified copy of your units AAR (s), might I ask that you send a copy of it electronically to adam.roth@us.army.mil. The intention is not only to have this as a basis for analysis to best prepare those units in the fight and those going, but also to provide that information in the Lessons Learned portion of the Engineer Warfighter Forum (ENWFF) website, serving as the Regimental repository for all to be able to access and learn from. The Regimental repository for all AARs is <https://www.us.army.mil/suite/page/567527> and is available for all AKO users to access.

Should some of you have classified AARs, please send me a NIPR e-mail and we can make arrangements to send it via SIPR.

Though the Regiment has seen nearly ten years of warfighting, the amount of documentation is less than optimal. This is a call to all in the Regiment to help us fill in the blanks, as we capture our proud history while helping those preparing to answer our nation's call.

"Essayons!"

Adam S. Roth

COL, EN

Deputy Assistant Commandant (Army Reserve)

USAES Historian

Engineer Professional Reading List: The Engineer History Office has updated the Engineer Professional Reading List. The list can be found on the USAES public website at the following link:

http://www.wood.army.mil/wood_cms/ENGINEER_PROFESSIONAL_READING_LIST_Sept_2011.pdf

POCs for this article are Dr. Larry Roberts, email: larry.roberts1@us.army.mil and Dr. David Ulbrich, email: david.ulbrich@us.army.mil.

Digital Archives: The Engineer History Office has uploaded more than 2 GB of historical documents in the USAES Historian's document library on the Engineer School Knowledge Network (ESKN) AKO website. Historical archives can be found in the following folder: <https://www.us.army.mil/suite/files/31553139>. (AKO login is required) The archives consist of unit material, reports, and other data. Folders are organized by conflict and then by unit. Most of the content is oriented to WWII, Korea, and Vietnam. The Historian's office is currently

building a digital library of historical articles which will also be uploaded to the document library.

The Engineer History Office is also looking for unit history material from Engineer units, past or present. This would include UNCLASSIFIED histories, photos, and reports. Unit contributions can be made by uploading documents to the USAES Historian's document library on AKO: <https://www.us.army.mil/suite/files/22434703>, emailing reports directly to the historian's office: leon.usaeshistory@conus.army.mil or mailing them to:

USAES History Office
ATTN: ATSE-Z-H
320 MANSCEN Loop Suite 043
Hoge Hall
Fort Leonard Wood, MO 65473-8929

Historical documents may also be hand-carried to the History Office, address above.

Engineer Soldiers are always welcome to visit the History Office in person to view archival files gathered for their units. Currently the USAES History Office maintains a collection of 15,000 manuals, 35,000 photographs, and 3,000,000 pages of documents.

Information on Unit Lineage and Honors, the Engineer Professional Reading List, the Engineer Historian milBook group, and useful non-DoD sites are also linked to the Engineer Historian's public web page at: http://www.wood.army.mil/wood_cms/usaes/2332.shtml.

POCs for this article are Dr. Larry Roberts, email: larry.roberts1@us.army.mil and Dr. David Ulbrich, email: david.ulbrich@us.army.mil.

Those experiencing problems with the historian's AKO site folders can contact the USAES Knowledge Management Officer, Kristen Jenner by email: kristen.jenner@us.army.mil or by phone 573.563.5069.

USAES on the Network

- [Engineer School Public Page](http://www.wood.army.mil/usaes) (<http://www.wood.army.mil/usaes>)
 - U.S. Army Engineer Regiment on [Facebook](#)
 - [USAES Request for Information](#)
 - [Engineer School Knowledge Network \(ESKN\)*](#)
 - [Commandant's Corner \(Forum for Regimental Senior Leaders on milBook\)**](#)
 - [Engineer Battalion Command Forum**](#)
 - [Regimental Command Sergeant Major's ORP \(Forum for the Engineer NCO community on milBook\)**](#)
 - [Senior Engineer Warrant Office Group on milBook**](#)
 - Engineer Personnel Development Office [public page](#), [EPDO Group on milBook**](#)
 - USAES Historian [public page](#), [Group on milBook**](#)
- *AKO authentication required, **DEERS authentication required

D. The Engineer/ Enlisted /Warrant/ Officer Branch provides the following information:

I wanted to re-engage on requesting your help with ensuring your Soldiers are aware of the one remaining FY11 DA Accession Board for Active Guard Reserve (AGR) from 15-18 Nov 2011. Packets will be electronically accepted 4 Jun - 31 Oct 2011. We continue to struggle with meeting end-strength needs for the USAR AGR population.

Request that your Soldiers be informed of this board as one possible option with regard to continuing to serve in the Army. Please ensure your retention NCO and your S1 are aware of the requirements and timeline for this board. The Engineer Regiment continues to have needs across most MOS and grades for qualified applicants. Specific procedures are listed in the attachment. Soldiers in your units that are not CMF 12 may also be candidates, so

please ensure this is disseminated widely.

Applicants for the AGR program will have their records reviewed by a screening panel convened at the US Army Human Resources Command @ Fort Knox. The purpose of the panel is to select the best qualified candidates for the AGR program.

As an example, HRC has implemented the following eligibility and procedures:

- A. Only soldiers in the rank of SPC (E4) through MSG (E8) are eligible.
- B. At the time of application, soldiers must be an active member of a USAR Troop Program Unit, an Individual Mobilization Augmentee (IMA), or Regular Army soldier. Soldiers assigned to the Individual Ready Reserve (IRR) are no longer eligible and will not be considered for entry into the AGR program unless they are currently mobilized or serving on some other active duty order.
- C. Soldiers must be administered and have a passing score on their APFT within 180 days of submission of application to HRC. If selected for assignment, soldiers must be administered and pass an APFT within 90 days from report date.
- D. Soldiers must possess, at a minimum, a secret or interim secret clearance to apply for the program. Soldiers must have been awarded a final secret or higher clearance prior to accession into the AGR program.
- E. Soldiers cannot have a permanent profile which precludes worldwide deployment or assignment. Additionally, soldiers will not be processed for accession with a temporary profile.
- F. Soldiers in the rank of SPC must be a graduate of Warrior Leaders Course. Noncommissioned officers in the rank of SGT-SFC must be a graduate of the requisite NCOES for their rank.

Those interested must submit applications online through www.hrc.army.mil. Once at the site, select 'MY RECORDS' then 'TOOLS' or apply through the knowledge section on the AKO website. Hard copy applications will no longer be accepted at HRC; mailed packets will be returned without action.

[See MILPER Message 11-166 Enlisted Us Army Reserve Active Guard Reserve \(AGR\) Accession Process](#) for more information

E. The Office of the Chief of Engineers provides the following information:

1. Parting comments from COL Jim Shumway, outgoing Director of the Office of the Chief of Engineers.

Fellow Engineers:

I am departing the Office of the Chief of Engineers, having served about 25 months as Director and also retiring after a little more than 29 years of service in the Army as an Engineer Officer. It's been an incredible honor to serve the Regiment on the Army Staff and to work with so many Army and Joint senior leaders, Engineer units, Army Commands, agencies and others. The awesome teamwork between the US Army Engineer School, Maneuver Support Center of Excellence, US Army Corps of Engineers, other Engineers on the Army and Joint Staffs along with many other commands and offices has allowed our Regiment to face many challenges.

The past two years brought forward many issues in force structure, equipping, policy and support to contingency operations. Total Army Analysis 12-17 and Force Management Review 13-17 required significant cuts to Active Army Engineer force structure which were only partially mitigated by measures we took. The Engineer Capability Portfolio Review yielded significant restructuring of our Networked Munitions programs but reinvested resulting

savings into Explosive Hazards Defeat. Our current national landmine policy required the elimination of persistent anti-tank/anti-personnel mines and OCE played a key role in an updated DoD review of national landmine policy and alternatives. As DoD and the Army placed renewed emphasis on improving policy and support to Contingency Basing and Operational Energy, construction and engineering issues came to the fore. At the same time, the Navy signed on to use the Army Facilities Components System and we began to develop a Joint Construction Management System with AFCS at its core. Add the BCT Engineer Battalion, ONS/JUONS support, matters arising from the Engineer Fusion Cell and a host of other important issues and it was a very busy time for the Regiment in the Pentagon.

As I depart, the HQDA Engineer team is very strong with good continuity in all key positions. Four OCE branch chiefs have been in place for about a year or longer. Our partners in the G-3/5/7, G-8 and other elements are stable and continue to do incredible work. (For example, LTCs Rich Pratt and Mike Peloquin will both remain in place for a second year). Our very talented civilian workforce will continue without interruption. The new OCE Director, COL Kent Savre, brings great leadership skills, experience and a fresh perspective to the job. In an era of diminishing resources and reductions in Army end-strength, there will no doubt be many challenges ahead. But I have no reservations that the magnificent team representing the Engineer Regiment in the Pentagon is up to the task.

Having spent over 51 years as an Army family member, ROTC cadet and Army officer, I don't see this as the end of something, but rather a transition to a new phase of continued service as a retired Army Engineer. Essays!

Colonel (Retired) Jim Shumway

2. Incoming comments from COL Kent Savre, current Director of the Office of the Chief of Engineers.

My heartfelt thanks to COL Jim Shumway and his wife Jane for their distinguished service to our Nation and best wishes for a happy and well-deserved retirement. It's my honor and privilege to serve the Chief of Engineers on the Army Staff as Director of the Office of the Chief of Engineers and to serve with the talented and committed OCE Team. As we enter our 10th year of combat operations and increasing fiscal constraints, I pledge to work with leaders across our Regiment to take on our challenges, champion our interests and support our great Soldiers/Sappers, Civilians and Families. Essays!

3. Common Map Background (CMB) On-line Version 2 (v2) launch: The Army Geospatial Center has officially launched the next version of their geospatial data discovery and ordering program known as CMB On-line v2. CMB On-line allows a customer to search, download, and/or order, geospatial data using a simple web browser interface ("shopping cart" experience). A Common Access Card (CAC) is required to access the data from the AGC Unclassified PKI n(CAC-enabled) website. CMB On-line v2 not only performs faster but also includes: 1) additional and easy-to-change map bases, 2) a scalable display, and 3) a coordinate display that shows Lat/Long decimal degrees and Military Grid Reference System. To access the new version of CMB On-Line, please visit:

https://agcwfs.agc.army.mil/CMB_Online/default.aspx



***** Engineers in the National Capitol Region:** Each month the Office of the Chief of Engineers hosts an Engineer Round-up at the Crystal City Gateway Marriot Bin 1700 Lounge commencing at 1700 on the last Thursday of the month, excluding November and December. (We are considering doing this event quarterly) Engineers and those who support Engineers are more than welcome to attend. It is a great opportunity to catch up on what's going on in the Engineer Community from a broad spectrum of perspectives. If you do not get an invitation now, please notify me to so that I can add you to the specific distribution list. Click here to be added to the email list [DAEN-ZC](#).

You can always find all the Messages to the Regiment at our AKO site and linked at the bottom of this document — AKO Login is required. For those having a hard time getting to the files that require an AKO logon, here is a [screenshot](#) to show where the files are physically located.

F: Engineer History: The 11th Chief of Engineers – Brigadier General Joseph Gilbert Totten

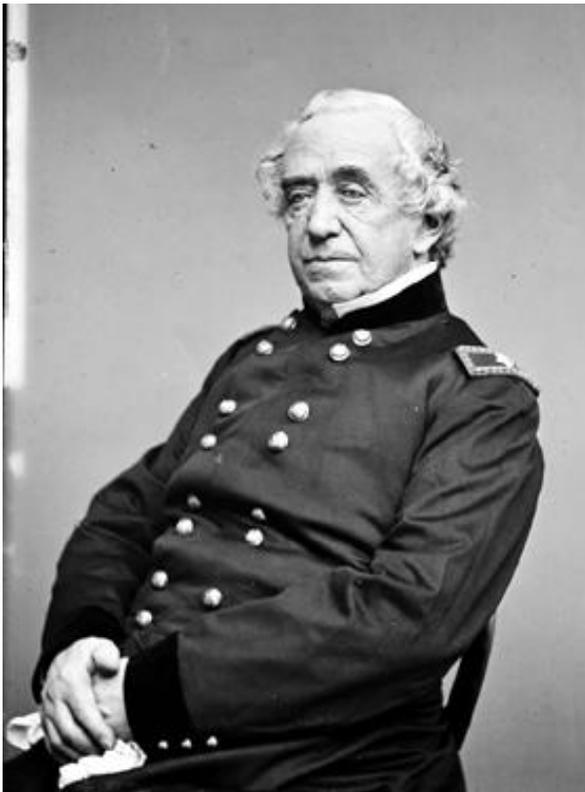


Brigadier General Joseph Gilbert Totten

Chief Engineer

(December 7, 1838–April 22, 1864)

Born August 23, 1788, in New Haven, Connecticut, Joseph Totten graduated from the Military Academy and was commissioned in the Corps of Engineers on July 1, 1805. He resigned in 1806 to assist his uncle, Major Jared Mansfield, who was then serving as surveyor general of federal public lands. Totten reentered the Corps of Engineers in 1808 and assisted in building Castle Williams and other New York Harbor defenses. During the War of 1812, he was Chief Engineer of the Niagara Frontier and Lake Champlain armies. He was brevetted lieutenant colonel for gallant conduct in the Battle of Plattsburg. As a member of the first permanent Board of Engineers in 1816, he laid down durable principles of coastal defense construction. He was appointed Chief Engineer in 1838 and served in that position for 25 years. He was greatly admired by General Winfield Scott, for whom he directed the siege of Veracruz as his Chief Engineer during the Mexican War. He was a regent of the Smithsonian Institution and cofounder of the National Academy of Sciences. He died April 22, 1864, in Washington, D.C.



BVT. MAJOR-GENERAL JOSEPH GILBERT TOTTEN was born in New Haven, Conn., Aug. 23, 1788. His schoolmate, Ralph Ingersoll, describes him as a bright, noble youth, of fine mind, fond of study, and always at the head of his class, gentlemanly in his deportment, and greatly beloved. He entered the Military Academy Nov. 4, 1802, under the auspices of his uncle, Captain Jared Mansfield, then Acting Professor of Mathematics at West Point; was graduated from that institution July 1, 1805, when he was promoted to be a Second Lieutenant of Engineers; and resigned from the Army March 31, 1806, to accept, as Secretary, his uncle, Captain Mansfield, who had been appointed, by President Jefferson, Surveyor-General of Ohio and the Northwest Territory. Young Totten, Feb. 23, 1808, re-entered the Corps of Engineers; was promoted to be a First Lieutenant July 23, 1810, and Captain July 31, 1812, and served, till the outbreak of hostilities with Great Britain, at Castles Williams and Clinton, then under construction, for the defense of New York. At the early age of twenty-four he became the Chief Engineer, in the Campaign of 1812 on the Niagara frontier, of the "Army of the Centre," under General Van Rensselaer, being engaged in the Battle of Queenstown, where our small force, which had crossed the Niagara, after a heroic resistance, was compelled to capitulate to a greatly superior foe.

[More:](#)

[Bill Thayer Webpage](#)

G. Special Interest: Contingency Engineer Management Course

At the forefront of preparing military and civilian engineer leaders from the entire Joint engineer family for deployment into the USCENTCOM AOR, is the Contingency Engineer Management Course, or CEMC. Now in its' third full year, CEMC has prepared over 2000 engineer personnel for the demanding environment presented by the US Central Command Area of Responsibility.

CEMC provides the 'must have' knowledge on engineering, procurement, construction management, master planning, environmental concerns, contingency acquisition, standard contingency designs, CERP and PRTs, JFUB planning and execution, the engineer capacity in theater toolkit and the various engineer reachback systems in place today. CEMC is jointly sponsored and operated by the US Army Corps of Engineers and US Army Central – and capitalizes on the synergy of having experienced USACE civilians and seasoned military engineer personnel from all services combined into a single setting. The class is centrally funded by USACE and USARCENT, so there is no cost to the student other than travel and associated TDY. If you're an engineer headed to, or planning in support of operations in the USCENTCOM AOR, CEMC is highly recommended. Upcoming FY-12 CEMC classes are:

9-13 Jan 12 in Mobile, AL.
9-13 Apr 12 in Mobile, AL.
23-27 Jul 12 in Mobile, AL.
10-14 Sep 12 in Mobile, AL.

You can find additional information and register for any of the upcoming classes at the following URL:
<https://eportal.usace.army.mil/sites/RSC/default.aspx>

The CEMC POCs are:

Mr. Chip Marin, USACE LNO to USARCENT, albert.marin@arcent.army.mil; 803-885-8219; DSN 965-7542.
SFC Ryan Keitt, USARCENT Engineer Staff; ryan.keitt@arcent.army.mil; 803-885-8191.

Engineers From the AKO Splash Page



Members of the 341st Engineer Company based out of Fort Chaffee Ar., attach pieces of an improved ribbon bridge during the 2011 Warrior Exercise held here. The 2011 WAREX is one of several major exercises conducted by the US Army Reserve. U.S. Army Photo by Spc. Cliff Coy (Photo by U.S. Army)



Puerto Rico Army National Guard Citizen-Soldiers from the 190th Engineer Battalion prepare to clear heavy debris from local roads after tropical storm Irene's passed over Puerto Rico. (Photo by U.S. Army)



Soldiers with the 56th Engineer Company, 6th Engineer Battalion hone their skills during tactical convoy operations training on Bulldog Trail at Joint Base Elmendorf-Richardson, Alaska, on Aug. 23, 2011. The soldiers are training in tactics, techniques and procedures to prepare them for future deployments. DoD photo by Justin Connaher, U.S. Air Force. (Photo by U.S. Army)

H. Recurring Links: [Engineer Casualties](#) ; [PASSAGES](#) ; [The Engineer Update](#) ; [Military OneSource](#)
[Essays Forward](#) ; [The Engineer Magazine](#); [Current PERSCOM Messages](#). ; [412th ENCOM](#) ;
[The West Point Department of Civil and Mechanical Engineering](#) ; [Engineering Knowledge Online](#) ;
[The USACE Installation Support Community of Practice Portal](#), [Topographic Engineering Center](#) ;
[United States Army Engineer Research and Development Center](#);
[The West Point Department of Geography and Environmental Engineering: Joint Task Force North](#) ;
[ENGINEER UNIT REGIMENTAL LINKS](#) ; [Maneuver Support Center of Excellence](#)
[Check your entire Official Military Personnel File \(OMPF\)](#)

I. Engineers Supporting Engineers—Professional Organizations Links:

“The appearance of external hyperlinks does not constitute endorsement by the U.S. Army of this Web site or the information, products, or services contained therein. For other than authorized activities such as military exchanges and MWR sites, the U.S. Army does not exercise any editorial control over the information you may find at these locations. Such links are provided consistent with the stated purpose of this Web site.”

1. **[Army Engineer Association](#)**: [AEA News](#); [Army Engineer Association Programs](#); [Membership](#).

Every Engineer MOS soldier is eligible for membership in the Engineer Regiment’s fraternal organization, the Army Engineer Association.

AEA is the nucleus of the Regimental network, providing information and services to Engineer **Soldiers** now serving and **Veterans** through:

- Bi-Monthly magazine, Army Engineer
- Discount insurance and banking services through AFBA
- Career and Job Services
- Memorials to Units and Individuals
- Support to Engineer Fallen and Wounded
- Performance Excellence Awards for Junior and Senior Personnel
- Academic Scholarships for Individuals and Family Members
- Support to the Army Engineer Museum

Popular Downloads

The Evolution of Fort Leonard Wood from 1941 to 2010. Photographic essay that shows how much the "home" for Army Engineers has changed over the years.

The Inseparable Bonds of Engineer Service

Click [here](#), for a 12-page PDF file to learn more about why being an Army Engineer veteran is so special.

Engineer OCS Graduates

Click [here](#) for a 8-page PDF file about Engineer OCS, Fort Belvoir, VA 1966-1967.

Engineer Equipment Development Over the Years

Click [here](#) for a first hand report written by a retired Army Combat Engineer, who went on to a very successful career with Caterpillar, Inc.

Women in Engineering

Click [here](#) to read about women who once served in the military as engineers, and who later went on to successful careers with industry...pathways opening for them by their excellence.

* AEA is now on Facebook -- <http://www.facebook.com/pages/Army-Engineer-Association/154530869611>

* See Engineer Regiment NEWS at AEA website - <http://www.armyengineer.com>

2. [Society of American Military Engineers](#) : [The Military Engineer Online](#) : [Membership](#) [SAME Current eNEWS](#)

a. Individual Memberships

SAME Individual Memberships offer professionals in the A/E/C field the opportunity to develop important business contacts through [national and regional events](#), and build those relationships further through our worldwide network of [Posts](#).

Stay on top of developments in the A/E/C field through our industry-leading publication, [The Military Engineer](#) magazine, where you'll learn important information from the field about everything from contracting and design to environment and emerging technologies.



Continue your professional education at our many special events, among them the annual [Federal Programs Briefings](#) and the [Joint Engineer Training Conference & Expo](#).

b. Individual Member Applications: [Join Online!](#)

To download Individual Member applications as a PDF to be completed and mailed or faxed, please select from the following:

- [Uniformed Services](#)--active, guard, reserve and civilians employed by a uniformed service [PDF]
- [Public and Private Sectors](#)--individuals not employed by DOD, USCG or USPHS, including Young Members [PDF]
- [Student Member](#) [PDF]
- [Retired Member](#) [PDF]
- [Life Member](#) [PDF]

c. "The Society of American Military Engineers (SAME) is currently undertaking a grass roots effort to reach out to aspiring engineering and architects at local universities. SAME membership is FREE for students and also provides them opportunities for leadership, mentorship and potential internships or first jobs. To learn more about the SAME college outreach program and how to help set up a chapter at your university or a university near you, please visit www.same.org/college or send the Ben Matthews an email at samecollegeoutreach@gmail.com.

d. **Deployed Engineering Team:** Get *The Military Engineer and SAME News* delivered directly to you! Complete our [temporary deployment form](#) and we will send your SAME materials to you onsite while serving in your area of operational responsibility (AOR). This free service is just one of the many ways SAME salutes our members. [Click here to provide your temporary AOR contact information.](#)

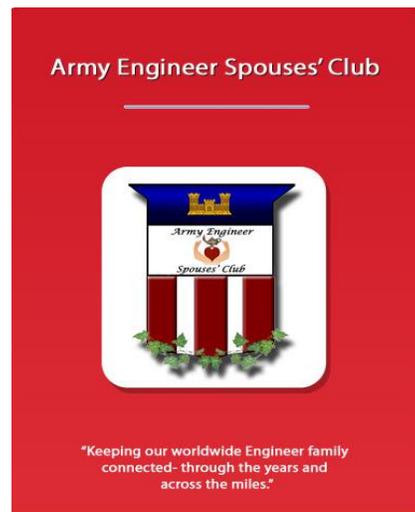
e. **Transitioning from military service?** Retiring from the Federal Government? Looking for a new and exciting position in the A/E/C industry? If the answer to any of these questions is YES, place your resume on the [SAME Job Center](#) web site. *The service is free for SAME members.* The site has been or is being utilized by over 300 companies that through their placement of job announcements have access to your resume

3. [Army Engineer Spouses' Club:](#)

a. The Army Engineer Spouses' Club welcomes membership from *wives and family members over 18 years* of age of the following U.S. Army Corps of Engineers employees: military grades E-7 and above and civilian grades GS-07 and above, whether active, retired or deceased; and with approval of the Executive Board, other persons who have been associated with the US Army Corps of Engineers.

b. **Membership Benefits:** Becoming a member of the only worldwide Engineer network for those other than Active Duty Military, you will receive a 10% discount at the Castle Boutique -our online Engineer boutique- receive the monthly newsletter- the Castle Gram- be able to join others for monthly outings in the DC area & receive the yearly Red Book -Castle Directory

Please note applications for the scholarships won't be available online until Nov 11.



c. The Army Engineer Spouses' Club announces the Army Engineer Memorial Awards and the Geraldine K. Morris Award for 2012. The AEMA award is available to qualifying high school seniors who plan to continue their education at an accredited college, university, technical school, or vocational school. The Geraldine K. Morris Award is available to a graduating high school senior who intends to enroll in a program leading to a nursing degree or certification. Applicants may apply for both of the awards, if qualified, but can only be awarded one of the scholarships.

The AEMA award was established in 1973 as a living memorial to Army Engineer Officers killed in Vietnam and is given annually to honor all Engineers who died in the line of duty. This award is open to students in all fields of study.

The Geraldine K. Morris Award was established in 2006 to honor the service and memory of Mrs. Morris, a former

Army nurse and Army wife. The awardee must be enrolled in a program leading to a nursing degree or nursing certification. The Geraldine K. Morris Award is renewable annually, based on GPA, provided a student maintains full-time enrollment in a nursing program.

Both awards are based on academic and extracurricular achievement during high school, along with a written essay. Awards must be applied toward tuition or scholastic expenses at a two-year or four-year college or university, technical school or vocational school. Applications must postmarked by February 29, 2012.

For more information, please contact the Scholarship Committee, c/o Nancy Temple, P. O. Box 6332, Alexandria, VA 22306-6332; or e-mail scholarships@armyengineerspouses.com. In your e-mail subject line, please indicate 2012 AEMA Award. The application will be available Nov 11 on the AESC website www.armyengineerspouses.com.

V/R

William R. Arthur

William R. Arthur

Executive Officer

Office of the Chief of Engineers

Work: (703) 693-4404

Fax 693-4410

BB: (703)-459-5365

"To the Core; for the Corps"

Former "Messages to the Regiment"

[85](#), [84](#), [83](#), [82](#), [81](#), [80](#), [79](#), [78](#), [77](#), [76](#), [75](#), [74](#), [73](#), [72](#), [71](#), [70](#), [69](#), [68](#), [67](#), [66](#),
[65](#), [64](#), [63](#), [62](#), [61](#), [60](#), [59](#), [58](#), [57](#), [56](#), [55](#), [54](#), [53](#), [52](#), [51](#), [50](#), [49](#), [48](#), [47](#), [46](#), [45](#),
[44](#), [43](#), [42](#), [41](#), [40](#), [39](#), [38](#), [37](#), [36](#), [35](#), [34](#), [33](#), [32](#), [31](#), [30](#), [29](#), [28](#), [27](#), [26](#), [25](#), [24](#),
[23](#), [22](#), [21](#), [20](#), [19](#), [18](#), [17](#) 1-16 are available on AKO

Alternate response email address is DAEN-ZC@hqda.army.mil