

**MESSAGE TO THE REGIMENT #58:**

**“The Engineer Blast”**

29 Aug 2008

**A. Overview:** The Office of the Chief of Engineers is pleased to forward this fifty-eighth 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.

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**Major General William H. McCoy Jr.**, Commanding General, United States Army Maneuver Support Center and Fort Leonard Wood, Fort Leonard Wood, Missouri to Deputy The Inspector General, Office of the Secretary of the Army, Washington, DC.

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**Secretary of Defense Robert M. Gates announces that the President has nominated the following Army Competitive Category brigadier generals for promotion to the rank of major general.**

**Brigadier General Jeffrey J. Dorko**, Commander, Gulf Region Division, United States Army Corps of Engineers, OPERATION IRAQI FREEDOM, Iraq APO AE 09316

**Brigadier General Gregg F. Martin**, Commandant, United States Army Engineer School/Deputy Commanding General, Concepts, Doctrine and Organizations, 464 MANSCEN Loop, Suite 3617, Fort Leonard Wood, Missouri 65473-5000

**Brigadier General John W. Peabody**, Commanding General, United States Army Engineer Division, Great Lakes and Ohio River' Cincinnati, Ohio 45202-3222

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**Brigadier General Gregg F. Martin**, Commandant, United States Army Engineer School/Deputy Commanding General, Concepts, Doctrine and Organizations, Fort Leonard Wood, Missouri to Commanding General, United States Army Maneuver Support Center and Fort Leonard Wood, Fort Leonard Wood, Missouri.

**Colonel (Promotable) Bryan G. Watson**, Chief of Staff, 1st Armored Division/Multi-National Division - North, OPERATION IRAQI FREEDOM, Iraq to Commandant, United States Army Engineer School/Deputy Commanding General, Concepts, Doctrine and Organizations, Fort Leonard Wood, Missouri.

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**Subject: Urgent change to FM 3-34.214 (UNCLASSIFIED)**

Formula Correction <<https://www.us.army.mil/suite/doc/12327778>>

An error with one of the formulas in FM 3-3.214, Demolitions and Explosives, has been identified and requires immediate notification. The issue concerns a standard equation, the Hopkinson Equation, which is the formula for fragmentation distance and overpressure value occurrence distances determination.

THIS formula IS used to calculate Minimum Safe Distance (MSD) for Urban Breaching. The formula used to calculate MSD is incorrectly annotated in the manual IN Chapter 7, pages 7-6, 7-8, and 7-9.

USE OF THE incorrect formula results in Soldiers standing closer to the point of detonation. The formula was printed in the July 2007 update with the cubed root symbol INCORRECTLY INCLUDING the "K" factor. This misprint will result in incorrect formula use and obtain an incorrect answer. The formula (as INCORRECTLY printed) has the pounds of TNT multiplied (\*) by the "K" factor, then that number's cubed root for the final answer, which is used to calculate stand off for urban breaching operations. The correct formula should read: cubed root of the NEW TNT equivalent \* by the K factor (not the cubed root of the NEW times the K factor). AGAIN, the incorrect formula in the book currently illustrates: the NEW TNT equivalent \* by the K factor, then finding the cubed root. THE CORRECT FORMULA IS TO CALCULATE THE CUBED ROOT OF THE NEW TNT EQUIVALENT, THEN MULTIPLY (\*) THAT ANSWER BY THE K FACTOR. A change to the manual has been initiated as well as a safety message to be sent out through the Army safety channels.

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I invite all senior leaders of the Regiment to participate in a series of quarterly Engineer Commandant's Video teleconferences (VTC). CSM Wells, the Engineer School Staff, and I look forward to hearing your concerns and thereby increasing our "field" situational awareness as well update you on current USAES initiatives and actions.. The following is our VTC schedule for 2008-2009: 21 NOV 08, 23 FEB 09, and 18 MAY 09. BG Martin: [More](#)

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### **Korea's Peninsula Engineer Conference 2009:**

**The Combined Forces Command (CFC) and US Forces Korea (USFK)** announce the 2009 Peninsula Engineer Conference (PEC) to be held from Wednesday, February 4<sup>th</sup> through Friday, February 6<sup>th</sup> 2009, in Seoul, South Korea. Hosted by the Society of American Military Engineers (SAME), registration will be open soon for 300 participants on a first-come, first serve basis.

**This year's theme is *Transforming Korea*.** USFK is presenting speakers with the latest updates on Transformation to US. Korea Command and the Korea Relocation Plan. The 2009 PEC will feature a tour to the site of the future USKORCOM Headquarters and "Humphreys Hub" near Pyeongtaek. Participants will view engineer updates on the USFK Theater Master Plan, KRP Construction, and Combat Engineering. The 2009 PEC will also include an Engineer Ball and other traditional military and social events.

Those interested in attending may contact Mr. Tom Brady at USFK Engineers, email [thomas.m.brady@korea.army.mil](mailto:thomas.m.brady@korea.army.mil), or call commercial +82-2-2791-3260 (DSN 315-723-3260). For more details, see <http://posts.same.org/korea/>.

### **B. The U.S. Army Corps of Engineers (USACE) provides the following information: "Corps e-spondence" – Chief's Blog**

1. **Army Corps of Engineers responds to Hurricane Gustav:** Currently, 340 Army Corps of Engineers personnel from across the country are supporting recovery efforts following Hurricane Gustav. Corps teams are working with the affected states, FEMA and other agencies to assess and address the needs of communities throughout the Gulf Coast Region. [More](#)

2. USACE Team,

The purpose of this email is to announce the GRD and AED leadership slate for the summer 2008-2009 deployment cycle. I have full confidence that this leadership team will continue the great work being done by our current GRD/AED team and sincerely appreciate the selfless service and willingness by all of our leaders to support this important mission.

GRN--COL Margaret Burcham, Europe District, will assume command from COL Mike Pfenning.

GRC--COL Ron Light, Cdr of Transatlantic Center, will assume command from COL Bob Vasta. Ron will return to TAC upon completion of his combat deployment.

LTC Donald Johantges, COL Light's deputy at TAC, will serve as interim commander until COL Light's return.

GRS--COL Jack Drolet, Chicago District, will assume command from COL Steve Hill. Jack will be curtailed from his successful command tour and his replacement will come from the FY09 COL Command list as soon as it is available.

AED--COL Tom O'Donovan, Portland District, will assume command from COL Miro Kurka.

GRD Chief of Staff--COL Paul Legere will backfill COL Gary Pease. Paul is completing Senior Service College at the Naval War College after a tour of duty in Korea.

Army Strong--Engineer Ready!!!

All the best, Van

3. If you are a looking for an [Engineer position opportunity, check this link for availabilities](#). Some postings may not be with USACE. (MULTIPLE NEW POSTINGS – 29 August 2008) Listed positions are still valid requirements.

4. **Engineer Publications:** [Engineer Memoirs: Lieutenant General Walter K. Wilson, Jr.](#)

5. **The following information is provided by the [412<sup>th</sup> ENCOM](#)—MAJ Forte**  
**GWOT:**

Currently, the 412th Engineer Command (ENCOM) has numerous Soldiers mobilized in support of GWOT, both in CENTCOM and USEUCOM AORs. Additionally, the 412th ENCOM is now conducting staff planning in support of the pending mobilization of five additional subordinate units.

**Transformation (TEC):** The Vice Chief of Staff of the Army (VCSA) has signed documents implementing the conversion of the 412th & 416th ENCOM's to the Theater Engineer Command (ENCOM) structure in conjunction with DA Initiative 23. The 412th ENCOM is war-gaming scenarios to man the two Deployable Command Posts (DCP) authorized under the future Theater Engineer Command (TEC) construct and will participate in Ulchi Freedom Guardian (UFG) later this summer as a means to test the future employment of DCP's.

**FEST-M:** The 412th ENCOM continues to support the activation of a FEST-M at Vicksburg, MS in conjunction with the USACE MVD Working Group. The 412th ENCOM continues to explore cooperative training opportunities for the FEST-M and the command's Deployable Command Posts (DCP).

[More 412th](#)

6. **The following information is provided by the [416<sup>th</sup> ENCOM](#)—SGM Prater**

**GWOT:** 416th TEC currently has 38 Soldiers individually mobilized in support of OIF/OEF in the CENTCOM AOR. The 416 TEC is currently in the process of mobilizing over 800 Soldiers by the end of the FY and over 800 in FY 09 throughout world supporting multiple COCOMs. The first of an accelerated Route Clearance Company MTOE, (688<sup>th</sup>) has mobilized and we will post their progress in future editions so that all may track the progress.

**Deployable Command Post (DCP):**

The 416<sup>th</sup> TEC is preparing to mobilize the first DCP under the modular concept of the Theater Engineer Command in support of GRD/USACE and will be called Theater Engineer Command-Iraq (TEC-I). The TEC –I DCP staff will assume key command and control functions currently being accomplished by select staff sections of the GRD HQ along with Facility Engineer Teams to embed in the three subordinate Districts of what is currently GRD. The current 416<sup>th</sup> TEC Commander, MG Michael R. Eyre has been selected to Command this element of the TEC. MG Eyre and staff recently conducted their PDSS (pre-deployment site survey) in the IZ with BG Dorko and staff. The PDSS was a huge success and served to solidify the relationships forged for the current and future TEC rotations.

**Army Reserve Command and Control (ARC2):**

The 416th TEC has assumed Command and Control of over 133 units and 13,000 Engineer spaces in an AOR consisting of 29 states. After transition the TEC found itself with a massive MOS qualification shortage. The TEC has worked with USARC to facilitate 4M in training dollars YTD and has increased the overall MOS qualification by 23% since assuming command and control. We fully expect to continue to execute this program through FY09 as the Regiment continues to expand and contract as operational needs continue.

FEST-M: The 416th ENCOM is working with HQ USACE to support the activation of a FEST-M at Lakes and Rivers Division and is exploring training within the COCOM’s we currently support.

[More 416<sup>th</sup>](#)

7. **The Gulf Region Division (GRD)** GRD provides the following articles.

Type	Release Date	Title	Photos	Region	Author
Project	9/3/2008	<a href="#">Musayib's new maternity hospital under construction</a> <b>New</b>	<a href="#">Hi-Res</a>	GRS	Alicia Embrey
Project	8/25/2008	<a href="#">Reintegration facility contributes to Iraq security</a>	<a href="#">Hi-Res</a>	GRC	Kendal Smith
Project	8/22/2008	<a href="#">New substation helps stabilize Diwaniyah's electrical grid</a>	<a href="#">Hi-Res</a>	GRS	Alicia Embrey
Release	8/14/2008	<a href="#">Business Development Conference to Provide Contract Registration Training</a>	<a href="#">Hi-Res</a>	GRS	A. Al Bahrani
Project	7/31/2008	<a href="#">Magnificent courthouse to open soon in Basrah</a>	<a href="#">Hi-Res</a>	GRS	A. Al Bahrani
Project	7/30/2008	<a href="#">Two hospital renovations help Baghdad medical community</a>	<a href="#">Hi-Res</a>	GRD	Polli Barnes Keller

8. **Afghanistan Engineer District (AED)**

Date	Title	Author
8/7/2008	<a href="#">Afghanistan Engineer District Soldier receives Purple Heart Medal</a>	Bruce J. Huffman

**C. The US Army Engineer School (USAES) provides the following information:**

1. THE COMMANDANT SENDS...

Engineer Teammates:

It’s been another awesome month for our magnificent Engineer Regiment! In the face of enormous challenges, we are making progress on many fronts -- from the tip of the spear in Iraq and Afghanistan, to the training base at Ft Leonard Wood, and numerous other points around the globe. Let me give you a short update on some key items since the last Blast.

BUILDING GREAT ENGINEERS (BGE) Campaign Plan Update:

The flywheel is moving!!! Since the Council of Colonels finalized the BGE Campaign Plan in early July (see last "Blast"), it has been briefed to and approved by the Engineer Commandant (me), the CG MANSCEN (MG McCoy), and the Chief of Engineers (LTG Van Antwerp) in July. It is important to understand that in order to move the Regiment forward, all three of these key leaders and their organizations must be aligned. We have subsequently briefed the plan, dialogued on it, received feedback, and asked for the engagement and support of numerous organizations and leaders during the month of August, to include:

-our majors at ILE, CGSC, Ft Leavenworth, KS

-the Army Leader Development Office at CAC and the Council of Colonels working on Leader Development for the CSA

-our USACE Senior Leaders at the Summer Leader Conference

-our LTs, CPTs, WOs and NCOs at numerous courses and venues at FLW

-the Regimental leadership during the last CMDT's VTC in August

-numerous GOs throughout the Army

-upcoming event at the Army War College on 10 Sep

A key component of BGE is attracting, recruiting and accessing the best People into our branch. This involves a well coordinated, well informed, enthusiastic and aggressive STRATCOMMS/information/engagement/outreach programs. In this lane, I have great news to report.

The total Engineer Regiment, working as One Team, did a super job at the three ROTC Warrior Forge (WF) Branch Days at Ft Lewis. We massed talented and experienced People, information, and lots of Sapper-Engineer-Warrior spirit at all three sessions (15 June, 2 and 19 July), and told our Engineer story to more than 4,000 ROTC cadets. As an active participant in all three, I can tell you that our People did an awesome job!!! We took our game at Warrior Forge to a new level!!!! The feedback and level of interest among the cadets and ROTC cadre was fantastic!!! It was inspiring to see our Engineer Regiment truly thinking, communicating and acting as One Engineer Team of Teams!!!

We have captured what we did at WF, packaged it in our BGE STRATCOMMS Push Package (now on our web site – more to follow below), and encourage you all to use it during the upcoming year as we tell our engineer story at ROTC programs throughout the Nation, USMA, and OCS.

We are also making a training film that captures the WF effort, from planning thru execution, that will be released shortly, and which will be posted to our website.

I commend each of you who participated in or supported this effort – and especially the Engineers from the 555th Engr Bde and Stryker Engr units at Ft Lewis, as well as the Seattle District and NW Division of the USACE.

What we did during WF, and our continuous learning and improvement from it, will be key to our long term campaign of Building Great Engineers for FS Ops. We need to keep pushing on the flywheel and use this event to inform and enable future success.

The next big STRATCOMM/Engagement events I am tracking are the Engineer Expo at USMA on 5 Sep in which we target college freshmen and sophomores, as well as high schoolers, and inform/encourage them to study engineering; followed by the Branch Info Program and Combat Leader Seminar at USMA on 18-20 Sep in which we make the final push to inform/encourage the senior cadets before they make their branch selections the following week. These will be great events in which USMA, the Engr School, the USACE North Atlantic Division and NY District, as well as many others, are working as One Engineer Regimental Team to tell our

story.

There is more than enough to do in the campaign plan. I encourage EVERYONE to sign up with a workgroup leader, roll up your sleeves and assist in any way you can.

WEB SITE To access our BGE Content on the ESKN, follow this link: <https://www.us.army.mil/suite/page/126>

I encourage you to scroll through the site and check out:

-BGE Campaign Plan (full version and Exec Summary)

-Engr hooah videos

-Cmdt's power point briefing on BGE Campaign Plan

-Army Engineer Regiment info brochure that we worked hard across our total Engineer Regimental team, and that was spear-headed by the BGE Stratcomms WG .... you can obtain printed copies from OCE-P. This is an excellent stratcomms tool that depicts the totality of our Regt – Troops, USACE, and DPW

-Cadet-focused Engineer Branch tri-fold entitled “Getting the Most Out of Your Army Officer Experience” that we developed and used so effectively at Warrior Forge

-Research Paper topics for students at ILE, SSC, ACS and other schools

#### STRATCOMMS/ENGAGEMENT PLAN

The Chief has tasked and empowered his Division Commanders to develop a STRATCOMM/Engagement plan for the their respective AOs in order to routinely and systematically engage with the total Engineer Regimental Family (USACE, AC, RC, DPWs, Alumni, SAME, AEA, etc) in their geographic footprint and accurately tell our Army Engineer story at key engineer feeder schools to university civilians (students, faculty and school leaders), and military (ROTC/Academy cadets, and faculty/cadre). Further, we are to routinely schedule and execute “Engineer All-Hands” events at key installations/bases and centers to update, encourage and educate the junior leaders and all those in the AO on the latest Engineer info/status, etc., and encourage them on the bright future they have as Army Engineers.

To get involved in this effort, please contact the Division or District Commander in your area (<http://www.usace.army.mil/howdoi/where.html#States>). It is especially powerful if you engage your alma mater as an alumni working in concert with our BGE Stratcomms/engagement effort.

#### PERSONNEL NEWS:

Announcement of NEW CIVILIAN DAC on 2 Sep 08

Teammates: Today is a great day for the US Army Engineer Regiment. I'm pleased to announce that Mr. James Rowan (Colonel, United States Army, Corps of Engineers, Retired) has been selected to become the first civilian Deputy Assistant Commandant of the United States Army Engineer School. Jim will be an awesome addition to the team. He will make an enormous positive contribution in all that we do in terms of Doctrine, Organizations, Training, Materiel, Leader Development & Education, Personnel, and Facilities. He has the experience, expertise and dedication to help take our Engineer Regiment to the next level as we strive to Build Great Engineers for Full Spectrum Operations in an era of persistent conflict.

As many of you know, Jim has a long history of service as a full spectrum Army Engineer -- from platoon leader to theater army engineer staff. He commanded the 16th Engineer Battalion in Bosnia, the 1st Engineer Brigade at Fort Leonard Wood, and the USACE Engineer Research and Development Center. While on active duty, he also

served as the Deputy Theater Engineer for Coalition Joint Task Force 7 during Operation Iraqi Freedom, and as the United States Army Engineer School Director of Training. He retired from active duty in the fall of 2006, and has continued to serve our Regiment, Army and Nation as a DA civilian employee of the Corps of Engineers.

Jim Rowan is a "Level-5 Leader," and a magnificent addition to the team -- truly the right person, at the right time, in the right seat of our Army Engineer bus!!!

Please join me in welcoming Jim Rowan back to the Army Engineer School, the Maneuver Support Center, and Ft Leonard Wood.

## NEW ENG COMMANDANT

Many of you have probably seen the announcements that after two years as CG MANSCEN, MG Bill McCoy will be re-assigned to the DA Staff as Deputy IG, that I will be re-assigned as CG MANSCEN, and that COL(P) Bryan Watson will be the next Engr Commandant.

Bryan is the perfect choice to be the next Commandant and with YOUR support and engagement, he will certainly lead our magnificent Regiment to the next level. Congratulations Bryan!!!

Current plans are for an Engineer Commandant change of responsibility at FLW on 8 Oct in which I will pass the Engineer colors to our great AC, COL Bob Tipton, who will serve as Engr Commandant until Bryan arrives in March 09. The MANSCEN change of command is tentatively planned for the morning of 9 Oct at FLW.

We will certainly miss MG McCoy's strong, caring and visionary leadership – he has been a great commander and boss! He and Jill have been wonderful to serve with – we will miss them both, as they move on to do important work for our Army in Washington DC. We thank, honor and congratulate the McCoy's for their two great years of command here at MANSCEN!!!

While honored and humbled at the privilege of serving our Army at the next level, it will be with heavy heart that I pass the Engineer Colors. Serving as your Commandant has been an absolute joy and labor of love...

In the meantime, I look forward to serving with each one of you as we fight today's wars and BUILD GREAT ENGINEERS for tomorrow's Full Spectrum Operations in an era of persistent conflict.

Thanks to each of YOU -- for WHAT you DO, and for WHO you ARE!!!

All the best!!! And, may the Good Lord bless each of you, your Soldiers, Civilians, and Family members.

BE SAFE and THINK SAFETY!!!

Essayons!!! Army Strong!!!

Gregg  
BG Gregg Martin  
Engr Cmdt

## 2. UPCOMING USAES BGE EVENTS –

05-06 September USMA Expo

18-20 September USMA Branching and Tail Gate

\* Reminder - BGE Materials and Products are available on line at the Engineer School Knowledge Network (ESKN)

### 3. USAES Chief of Staff Notes:

- The call for Engineer Bulletin Articles continues! We and the rest of the Engineer community want to know what you've done, how you did it, and need your ideas on how we can do it better. Tell your story or voice your opinion.

- The call for current US Army Engineers in Action photos and videos continues! Send in your best – we may use them to populate future BGE products and to tell the Regiment's story worldwide.

- USAES Commandant VTC Schedule. 21 NOV 08, 23 FEB 09, and 18 MAY 09.

### 4. DOTLD

#### TRAIN:

- Engineer Captains Career Course (ECCC) 3-08 will conduct "Media on the Battlefield" training with Dr Stacey Woelfel, Ph.D and university interns from University of Missouri, Columbia School Journalism on Tuesday Aug 26. It's a great example of partnering with University of Missouri School of Journalism (among the highest rated in the country) to give BOTH our students an opportunity to go from Good to Great in our respective professions. The 5-hours of training includes: how to write a media release, how to prepare for an interview, and how to conduct an interview. Students conduct mock interviews (radio and television) and receive a critique. Command & General Staff College (ILE) doesn't conduct this training as yet. They have contacted ECCC to gain insight on our program. Recommended MANSCEN adopt for all CCC.

- The Mine Detection Dog (MDD) Course ASI-K9, just returned from training at Yuma Proving Grounds. The training certification resulted in 7 handler and dog teams successfully completing pre-deployment training requirements. Graduation is set for September 12, 2008.

#### SUPPORT: NSTR

TRANSFORM: Current friendly and enemy IED TTPs are being reviewed for implementation into Individual and Collective IED Defeat Tasks and TSPs. DOTLD's SFC Rutledge and Mr. Don Root are reviewing Individual and Collective IED Defeat Tasks and TSP based upon data collected from the C-IED conference held at Camp Arifjon, Kuwait from 11 thru 14 Aug 08. They collected a variation of new and emerging friendly and enemy TTPs in both Iraq and Afghanistan. All friendly and enemy TTPs will be reviewed for implementation into the Individual and Collective IED Defeat Tasks and TSP during the next quarterly C-IED task update conducted in September 2008.

#### TAKE CARE OF: NSTR

ENGAGE: Department of Instruction has positively engaged with Air Force and Navy Engineer Schools for Officer training to partner with USAES Officer Professional Military Education (PME). The two Points of contact have responded positively and expressed strong interest in growing our relations as we grow the Building Great Engineers (BGE) Campaign Plan through this opportunity.

JEOC: Ms. Rachel Walkenbach, Joint Engineer Course Project Manager, is working on a Joint Engineer Officer Course (JEOC) Promotional Video to better advertise Joint Engineering actions and the JEOC course. The intent is to disseminate the video to all service Engineer commands and COCOM's via a single source website (goal is to put it on a joint engineer website that is still in development).

5. USAES ENGINEER COLLECTION AND ANALYSIS TEAM (CAAT) – IRAQ: In response to a request by MNC-I and the 20th Engineer Brigade, the Army Engineer School in conjunction with the Center for Army Lessons Learned (CALL) is deploying an Engineer Collection and Analysis Team (CAAT) to Iraq during late

August and early September.

- Five focus areas have been identified for this CAAT. First is to look at engineer command and control with particular emphasis at echelons above the Brigade Combat Team.

- The CAAT will look at the issue of base camps to include the programming, designing, building, governance and maintenance of contingency base camps. Current doctrine adequately addresses initial expeditionary requirements and also addresses enduring requirements, but there are significant issues to be looked at in terms of contingency base camps that fall between these two extremes.

- The team will look at the spectrum of engineer support outside the wire in support of infrastructure development in stability operations to include, to a lesser degree, the engineer role in building host nation capacity.

- In conjunction with the regiment's "Building Great Engineers," the team will look at critical leader competencies required for engineers in stability operations. In particular, those tactical and technical skill sets that are needed in stability operations and assess how well current professional military education programs support the development of these critical skill sets.

- The CAAT will also look hard at our route clearance capabilities and how efforts to date have impacted these capabilities and what modifications should be considered.

- This is a great opportunity for the engineer community to focus on specific issues of interest to the regiment at large. The Initial Impressions Report (IIR) should be published before the end of the 2008 and will be influential in informing future Engineer DOTMLPF efforts.

5. DEI. NSTR

6. EPPO. NSTR

7. MANSCEN CDID. NSTR

8. MANSCEN MDOT. NSTR

9. GEOSPATIAL - GeoPDF Adobe Acrobat Maps. GeoPDF is an Adobe Acrobat format map with geocoordinates used for 2-D digital map displays. The data sets available include all of the National Geospatial-Intelligence Agency (NGA) maps of Iraq and Kuwait, Afghanistan, Korea, Philippines, Pakistan, etc., on a DVD. USGS maps over CONUS are also available for training sites throughout the U.S. GeoPDF viewer software is included on the DVD for digital displays. You can also print a copy of the map to 8.5" X 11" paper (not to scale), or provide hard copy map to scale using a plotter.

- To get DVD copies go to <http://www.tec.army.mil/cmb/request/form.cfm> (soon on SIPRNet and JWICS) and select GeoPDF Country DVD from the "Product/Imagery Needs:" section and in the "If 'Other', please specify:" section type the number DVDs needed - data can also be delivered via firewire drives]

- To download see TEC's websites - PKI site (CAC needed):

- NIPRNET: <https://tsunami.tec.army.mil/Products/MapArchive/>

- SIPRNET: [www.tec.army.smil.mil/Products/MapArchive/](http://www.tec.army.smil.mil/Products/MapArchive/) <outbind://49-00000000D3CE93BA7FAA504EA02B2C9CDF0B65270700433C311F687B5042AE407ACB74A2B265000015A35E53000070318DD2CBA4904B887E9307A6D45699000086AA18450000/www.tec.army.smil.mil/Products/MapArchive/> or

- JWICS: <http://www.tec.army.ic.gov/Products/MapArchive/>

- TEC continues to create more GeoPDF Country DVDs. Thanks to the NGA Research Center producing 31,000+ GeoPDFs of their standard map sheets TEC has been able to create, so far, 113 GeoPDF Country DVDs. U.S. Army TEC is disseminating these GeoPDF Country DVD.

- TEC is also producing in the GeoPDF file format its Urban Tactical Planners (along with the ArcReader version), Engineering Route Studies, Urban Water Graphics, Country Overviews, BuckEye GeoPDF Mapbooks and all of our Library's non NGA holdings; see Websites for available products (<https://tsunami.tec.army.mil/Software/Map2PDF-Plug-in.cfm> for complete list). TEC also has released a free [to the DOD] extension for ArcGIS to import GeoPDFs available for download From TEC's websites.

- The following suite of software has been made available or will be available soon to all Terrain Teams via DTSS; For GeoPDF creation - MAP2PDF for ArcGIS and MAP2PDF for Acrobat. For creating GeoTIFFs from GeoPDF for use in GIS software - GeoPDF2GeoTIFF and for mosaicing GeoPDFs Map Assembler.

- Coming soon GeoPDFs create and/or use with FalconView, SOCET GXP and Imagine along with viewing them on handheld devices.

## [UNITED STATES ARMY ENGINEER SCHOOL REQUEST FOR INFORMATION SYSTEM](#)

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

We have now migrated to AKO email addresses. All email sent to our old Hoffman email accounts will be undeliverable. For current email addresses please see "[Meet the Branch](#)" Webpage.

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

1. **Airfield Damage Repair (ADR) Working Group Conference**: An ADR working group conference was hosted at Tyndall AFB by the Air Force Research Lab 25-28 Sep 08. The ADR work group is composed of members from the Joint Operational Engineer Board (JOEB) and is led by the Air Force A7 staff. This conference presented challenges faced by PACOM and ARCENT with respect to ADR and provided a review and demonstration of the many research projects being conducted by the Engineer Research and Development Center (ERDC), Navy Research Lab, and the Air Force Research Lab that relate to ADR. Participants included officers from the Canadian and Israeli Air Forces and a representative from the MANSCEN.

2. **Total Army Analysis (TAA) 10-15**: The 1-Star/2-Star General Officer Steering Committee (GOSC), chaired by Dir, Force Management, will develop TAA 10-15 resourcing recommendation Courses of Action (COA) for presentation to the 3-Star GOSC scheduled for 17 Sep 08. Results of the recently completed TAA 10-15 Council of Colonels and Institutional Army GOSC will be the basis for the COAs. The 1-Star/2-Star GOSC will be an unclassified session with VTC links for twelve off-site stations.

3. BAGHDAD – Soldiers from the 926th Engineer Brigade, the 890th Engineer Battalion and the 46th Engineer Combat Battalion (Heavy), rode out to Muthada Aug. 4 to visit with Col. Saddam Khalifa Ahmed of the Iraqi Army's 6th Engineer Battalion. The purpose of the visit was to discuss training options for present and future engineer soldiers for the Iraqi Army. [More:](#)

4. Throughout the past few months the water levels on VBC (Victory Base Camp) have decreased significantly. This is partially due to the extremely dry winter that Iraq had during the late months of 2007 and early months of

2008. It was an unseasonably dry winter that saw very little rain in comparison to previous winters. This did not allow the lakes on VBC to refill to their normal levels as they might have in preparation for summer. [More](#)

5. CAMP LIBERTY, Iraq – The 46th Engineer Combat Battalion (Heavy), attached to 926th Engineer Brigade, Multi-National Division – Baghdad, with its familiar steel railroad spike crest and battle call to “Drive the Spike!,” continued its legacy by rapidly improving infrastructure in the combat environment upon arrival at Camp Liberty, Iraq. The 46th ECB (H) team includes four companies of Soldiers stationed in Louisiana, Alabama and Missouri. [More:](#)

6. BAGHDAD – When a vertical team from Company A., 46th Engineer Combat Battalion and an earth moving team from the 955 Engineer Company arrived at a combat outpost (COP) in the East Rashid district of Baghdad, there was lots of room for improvement in the living conditions for the Soldiers bravely serving there. Both units are part of 926th Engineer Brigade, Multi-National Division – Baghdad. [More:](#)

7. BAGHDAD, Iraq – When a vertical team from Alpha Company, 46th Engineer Combat Battalion and an earth moving team from the 955 Engineer Company arrived at the Combat Outpost (COP) in Baghdad, there was lots of room for improvement in the living conditions for the Soldiers bravely serving there. [More](#)

8. Check out the new Army ALARACT AKO webpage to access all current ALARACTS. Stay on top of the latest actions by reviewing current ALARACTS, or is the site to review historical ALARACTS that are still in effect. AKO webpage: <https://www.us.army.mil/suite/page/550282> (all lowercase) Or From the AKO home page click on "Army Select Links" then under "Soldier Tools" click on "ALARACT Messages" this will take directly to the ALARACT webpage.

9. [ALARACT 212/2008:](#) THE GENERAL DOUGLAS MACARTHUR LEADERSHIP AWARD RECOGNIZES COMPANY GRADE OFFICERS AND WARRANT OFFICERS WHO DEMONSTRATE THE IDEALS FOR WHICH GENERAL MACARTHUR STOOD -- DUTY, HONOR, COUNTRY -- AND PROMOTES AND SUSTAINS EFFECTIVE JUNIOR OFFICER LEADERSHIP IN THE ARMY. A TOTAL OF 28 OFFICERS WILL BE SELECTED FOR THE AWARD: 25 OFFICERS AND 3 WARRANT OFFICERS (WO), AS DESCRIBED IN PARAGRAPH 5.

10. Army Public Affairs opened up their ASU website early this morning. It is an interactive website that is valuable in showing Soldiers and Leaders the Army Service Uniform. The website contains the wear policy message, links to both it and AR 670-1, a history of our blue uniforms, and highlights the changes made to the wear policy. The website is available on the Army Homepage under "News" and "Army Spotlight." It can also be accessed at <http://www.army.mil/asu>.

11. ALARACT 207/2008: ON 1 APR 08, THE ACS WAS APPROVED FOR FIELDING TO DEPLOYED SOLDIERS IN IRAQI, AFGHANISTAN, AND KUWAIT. CURRENTLY THE ACS HAS THE "ARMY STRONG" LOGO STENCILED ON THE FRONT OF THE SHIRT. IN THE NEAR FUTURE, THE "ARMY STRONG" LOGO WILL BE REMOVED, AS OTHER BRANCHES OF SERVICE WILL ALSO BE PURCHASING THE ACS FOR WEAR WITH BODY ARMOR. THE "TEAM SOLDIER CERTIFIED GEAR" LOGO WILL BE HEAT TRANSFERRED IN TO THE LABEL INSIDE OF THE SHIRT TO DEMONSTRATE AUTHENTICITY ONCE THE "ARMY STRONG" LOGO IS REMOVED.

**\*\*\* 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. 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](#) . **Next event is 25 September 2008**

You can always find all the Messages to the Regiment at our AKO site are 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: Topics of Interest: AAFES Discount for Gas.**

Army & Air Force Exchange Service Corporate Communications  
PRESS ADVISORY: 08-047 Aug. 15, 2008  
AAFES MEDIA CONTACT: JUDD ANSTEY – [anstey@aafes.com](mailto:anstey@aafes.com)

### AAFES Gas Stations Extend Discount to Drivers Who Use a Military StarSM Card

DALLAS – Army & Air Force Exchange Service gas stations in CONUS, Alaska and Puerto Rico are being programmed to reflect a discount of three cents a gallon for drivers who pay with a Military StarSM Card.

“Anytime a customer uses a bank issued debit or credit card, the retailer pays a portion of the transaction to a third party financial institution,” said AAFES’ Chief of Corporate Communications Lt. Col. Dean Thurmond “Because the Military StarSM Card is administered by the Exchange Credit Program, AAFES is not subject to the additional fees incurred through other ‘pay at the pump’ options. As a result, we’re able to pass savings on to authorized exchange shoppers.”

The three cent a gallon discount is currently being applied to transactions at 13 installations (Minneapolis-St. Paul JARS, Columbus AFB, Redstone Arsenal, Ft. Indiantown Gap, Fort Gordon, Patrick AFB, Robins AFB, USMA, Laughlin AFB, Yuma Proving Ground, Mountain Home AFB and Nellis AFB, MacDill, Scott, JRB Carswell). All remaining facilities in CONUS, Alaska and Puerto Rico\* (177 facilities) will receive software upgrades Monday evening and are expected to begin applying the three cent a gallon discount as of Tuesday, Aug. 19.

“I encourage drivers during the first week or so of this new effort, to touch base with the attendant at their local gas station to ensure the software upgrades have taken effect before fueling up,” said Thurmond. “As is the case with anything technical, we expect a few glitches could occur during the first few weeks of the program.”

Officials hope to extend the Military StarSM Card three cent a gallon discount at all AAFES facilities, but do not have a time table for worldwide implementation at this time.

“This effort is a priority of AAFES command,” said Thurmond. “Entire teams are dedicated to working through the technical challenges to extend the Military StarSM Card discount to drivers at all AAFES locations.”

The Army & Air Force Exchange Service (AAFES) is a joint command of the U.S. Army and U.S. Air Force, and is directed by a Board of Directors who is responsible to the Secretaries of the Army and the Air Force through the Service Chiefs of Staff. AAFES has the dual mission of providing authorized patrons with articles of merchandise and services and of generating non-appropriated fund earnings as a supplemental source of funding for military Morale, Welfare and Recreation (MWR) programs. To find out more about AAFES' history and mission or to view recent press releases please visit our Web site at <http://www.aafes.com/pa/default.asp>.

\* Due to technological constraints, four CONUS locations (Ft. Benning Harmony Church Shoppette, Brooks Service Station, Ft. Campbell McGhee Filling Station, and Ft. Lee Bellwood Shoppette) will be unable to process the three cent a gallon discount until additional functionality issues are addressed. These four locations are being reviewed to identify a solution that will facilitate the processing of the Military StarSM Card three cent a gallon discount.

## **G. Engineer Unit Highlight: [14<sup>th</sup> Combat Engineer Battalion \(Rugged!\)](#)**

This feature provides a venue for Engineer Units/Activities to post unit information. If you are an OIC/NCOIC of an Engineer Unit/Activity and would like your organization mentioned here, download the template and email

back to me. All entries will be consolidated on a master page as they come in.

**Engineer Unit Highlight:** [Former Submissions](#)

**H. Recurring Links:** [The Commandant's Message](#); [Engineer Casualties](#); [PASSAGES](#)

[The Engineer Lifelong Learning Portal](#) [USACE Organizations](#); [The Engineer Update](#); [Military OneSource](#)

[Essays Forward](#); [The Engineer Magazine](#); [Current PERSCOM Messages](#). ; [412<sup>th</sup> ENCOM](#);

[The West Point Department of Civil and Mechanical Engineering](#); [USMA Basecamp](#); . **[CORPS POINTS](#)**

[The USACE Installation Support Community of Practice Portal](#), [Engineering Knowledge Online](#);

[Topographic Engineering Center](#) ; [United States Army Engineer Research and Development Center](#); [NCO Net](#)

[The West Point Department of Geography and Environmental Engineering](#); [ADSO Incentives Program](#)

**[ENGINEER UNIT REGIMENTAL LINKS](#)** [Joint Task Force North](#) ; [Engineer Museum Reference Library](#).

[Maneuver Support Center of Excellence](#)      [Check your entire Official Military Personnel File \(OMPF\)](#)

[Check and certify the file that the board will use \(My Board\)](#),      [Check your current ORB \(My ORB\)](#)

[Submit your online Assignment Preference \(AIM\)](#) ,      [Certify your new official photo \(DAPMIS\)](#)

[Submit your Command / CFD / SSC Preference Online](#) , [Check your Senior Rater Profile \(Dash 2\)](#)

[Check to see if HRC has received your OER \(IWRs\)](#) , [USACE Historical Vignettes](#) , **[Video Engineer Update](#)**

*The staff of the Engineer Professional Bulletin not only maintains the mailing list for the bulletin but also is responsible for keeping the Engineer Unit Directory updated. They can only do that with your help. Please take time to look at the directory [Web site](#) at and check your unit to see if the information is correct. If it isn't, e-mail the bulletin staff at [engineer@wood.army.mil](mailto:engineer@wood.army.mil) with corrections.*

## **I. Engineers Supporting Engineers—Professional Organizations Links:**

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

a. AEA now has a web page dedicated to [Industry support to the Warfighter](#).

b. AEA is also building a new web page as an Engineer Organization / Unit Directory. We want to list all Engineer units, plus other key engineer offices, like the staff engineer offices at Divisions and Corps. We'll include USACE offices, AC, National Guard and USAR battalions and sep companies, and all of the sapper companies too. We want the activity name, mailing address, phone number, and current OIC / NCOIC name and email. Send your unit directory info to: [aeamag@armyengineer.com](mailto:aeamag@armyengineer.com). The [AEA Career Center online](#)

c. JOBS...after the Army: AEA has a complete online Career Center. You can learn about civilian opportunities autonomously. Research or survey the commercial job market with FREE (ANONYMOUS) resume post at AEA career center. Additionally, AEA has been running and will continue to run, a special series of articles in Army Engineer magazine which focus on individual job experiences of many retired Army Engineers. To read those articles, you need to [subscribe to the magazine](#).

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

a. "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](http://www.same.org/college) or send the Ben Matthews an email at [samecollegeoutreach@gmail.com](mailto:samecollegeoutreach@gmail.com).

b. The Society of American Military Engineers, SAME offers **free memberships to students of the [Engineer Career Captains Course](#) and the [Engineer Advanced Noncommissioned Officers Course](#)**. (Active, Reserve, National Guard – any phase)

c. **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](#).

d. **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. **TEOCSA (The Engineer OCS Association)** [Website coming soon](#)

Attention is [invited to the short article, bottom p. 6.](#), "Remembrance, 326th Engineers Vietnam Veterans," and to mention of the battalion's Family Readiness Group (FRG). Whether or not attending Reunion '08 and the opened-armed reception of Engineer OCS alumni and guests by the battalion on Thursday, 30 October, please consider making a generous donation to the 326th's Family Readiness Group (read support group).

The battalion is scheduled to return from deployment to Iraq in November '08. Donations to the FRG are positive ways to demonstrate, "We support you!" Think big, please.

Please forward donations directly to the battalion.  
See you in Nashville!

E. T. Mealing  
Pres., TEOCSA  
404.231.3402.

4. [Army Engineer Officer Wives' Club](#): AEOWC is a worldwide organization with members located wherever Army Engineers are stationed, or have retired. [Become a member](#)

Visit our website at <http://www.AEOWC.com>.

Alternate response email address is [DAEN-ZC@hqda.army.mil](mailto:DAEN-ZC@hqda.army.mil)

V/R  
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Former "Messages to the Regiment"

[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  
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