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OCTOBER-NOVEMBER'S THEME:

E&C Technical Capability Assessments

DWIGHT'S NOTES

When I moved into my job as Chief, Engineering and Construction at HQUSACE, my superiors, from General Flowers to General Griffin and General Strock, to Bill Brown and Fred Caver, gave me two primary tasks to carry out:

1. Solidify the Corps relationship with private sector industry associations and professional societies, and
2. Ensure that the Corps maintains critical engineering and construction capabilities throughout the Command.

The entire team in HQ E&C Division has been pulling together to meet these challenges, with some success. And you, in the field, have played the biggest role in that success. But, we are still just getting started. MSC's have conducted "capable workforce" reviews and through their Regional Management Boards, made the necessary adjustments to match work and people together in their regions. Many MSC's and Districts hold regular meetings with local chapter of professional societies (i.e. ASCE and AIA) and industry associations (i.e. AGC and ACEC). The Corps is investing in leadership development, learning programs, and professional registration.

On our part, HQ E&C sponsored several "capability assessments" in order to evaluate the strengths and weaknesses of key capabilities. Two of those assessments, one for Hydraulics and Hydrology and the second for Construction, are reported to you in this edition of E&C News. The results of these assessments and their accompanying recommendations will foster short and long term initiatives to shore up weaknesses in these vital capabilities. We have also concentrated on Dam Safety and Value Engineering, making progress in each case. We are planning a more comprehensive evaluation of USACE "core competencies" in conjunction with the President's Management Initiatives. This is long-term effort involving the Corps at large.

We also produced some important policy documents, such as the ER on professional registration, the EC on Planning and Engineering Capabilities, and the HCA memo on ACO Warrants. We are the champions for the new Facilities Engineering Career Field which will help people within and beyond E&C become better qualified to perform their acquisition duties. And a new EC on Value Engineering is in final staffing. These initiatives will provide some guidance and help build commitment in the Corps. But these initiatives are only enablers; necessary, but not sufficient to achieve success.

DWIGHT'S NOTES (CONTINUED)

The important message to you, then, is that good people, with solid technical, management, and leadership capabilities are indispensable to the Corps mission. Good people with these qualities don't just happen overnight. We all have to work at it, every day, very hard. We have a good start. Now we must stay the course.

Essays!

Dwight

(Editors' note: If you want to share your thoughts with our readers regarding Dwight's Notes send an email to the E&C News editor (charles.pearre@usace.army.mil). A synopsis of your comments will be published in the next issue.)

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E&C Technical Capability Assessments

CORPS HYDRAULICS AND HYDROLOGY CAPABILITY

In recent years, there have been a number of organization, responsibility, and staff assignment changes throughout the Corps. In HQUSACE, technical branches have been combined and technical staffs have been greatly reduced, and their assignments realigned to achieve management goals. As a consequence, Corps presence in National and International water resources forums has suffered, as has coordination among divisions. There are serious concerns about the present technical competency of the Corps Hydraulics and Hydrology (H&H) staff to meet the support needs of the Military Programs and Civil Works missions.

On March 14, 2001 the Directors of Civil Works and Military programs jointly chartered the USACE Hydraulics and Hydrology Capability Assessment Task Force, and appointed William (Bill) Branch - NWD-CM-W-N as the lead. Task Force members were drawn from CECW, districts and divisions, support offices, ERDC, and recently retired H&H staff. The Task Force was charged with assessing the present and near-term needs for and capability of H&H in the Corps. Depending on the findings, the Task Force was to propose and evaluate a number of options to restore and retain H&H technical competency. The Task Force engaged the H&H community through questionnaires and other forums, discussed needs among members and with senior leaders, and prepared the draft report "Hydraulics and Hydrology Capability Assessment, Task Force Report" dated August 2001. The report documents Task Force findings and recommendations. A link to the draft report may be found on the Hydrologic Engineering Center Web page: <http://www.hec.usace.army.mil>.

The Task Force found that H&H is vital and continues to be crucial to the Corps execution of the Civil Works mission. Further, that in recent years, H&H capability has declined, and in some cases such as in HQUSACE, virtually disappeared. Field office responses to a Task Force survey, representing 1,100 Corps H&H staff, indicates that about 20% believe that H&H capability is inadequate, that 50% of offices have chronic H&H vacancies, and that a significant fraction of our remaining experienced H&H staff will reach retirement age within the next five years. The Task force briefed their recommendations to HQUSACE senior leaders August 29, 2001. Dwight Beranek, Chief of Engineering Division, Civil Works was briefed on progress in implementing recommendations in early June 2002. Progress has been made on several of the most significant recommendations as described in following paragraphs.

The Task Force recommended that HQUSACE senior leaders champion the importance of H&H technical competence, and speak out on the topic in appropriate forums. In general, senior leaders have responded positively, and H&H competency is now included, along with other Corps technical competency needs, in many senior leader communications.

The Task Force recommended that if the Corps is to be a world-class leader in water resources, a strong competency in H&H must be maintained in its leadership. This would require adding new H&H positions to the present HQUSACE staffing plan, and recruiting to restore the depleted staff. Actions taken include: designating the Watershed Team Leader within the Water Resources Branch as HQUSACE technical lead for H&H; elevating the role of the Watershed team in the HQUSACE PMBP; reclassification of Watershed Team Leader from Interdisciplinary to Hydraulic Engineer and providing for temporary backfill; a new position was added to the Watershed Team; and recruiting has filled one vacancy and two others, including the Team Leader, will be filled about the time this newsletter is distributed.

At the field level, recommendations included defining and improving the role of H&H in project development and the establishment of regional experts (GS-13) positions for districts. Action has been taken so that a number of district-level GS-13 positions have now been established and filled.

Several training recommendations, including establishing a basic, journeyman, and expert training and development plan, were made that have not as yet been acted upon. Recommended immediate emphasis on training H&H staff in ecosystem restoration is being partially met by existing PROSPECT courses.

A follow-on H&H Executive Advisory Committee that would help implement some recommendations and oversee others has been formed and is now in operation. Bill Branch leads this Committee and can be contacted for further information about H&H competency restoration in the Corps.

POC: DARRYL DAVIS, CEIWR-HEC, 530-756-1104

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CORPS CONSTRUCTION CAPABILITY

The USACE Construction Capability Assessment Task Force, established by the Director of Civil Works and Director of Military Programs, has drafted a report on their findings. The primary focus of the Task Force was to assess the status of Construction capability in the Corps, identify issues, gaps, and shortfalls; evaluate options; and develop recommendations to restore and retain Construction competency. The Task Force was encouraged to look at solutions, which integrate USACE's Project Management Business Process (PMBP) and organizational structure, with emphasis on working in the Regional Business Center (RBC) and Project Delivery Team (PDT) environments. The Task Force used a web-based survey to gather information on the current state of construction capabilities in the Corps, and to explore anticipated requirements for the future. The responses were analyzed to determine existing capabilities and to define gaps and shortfalls. Various members of USACE HQ and District Staff(s) were consulted to validate/confirm these findings, and to assist the Task Force Members in their analyses.

The Corps of Engineers reputation as the world's premier public engineering organization will be severely challenged over the next few years. The ability of the Corps of Engineers to produce outstanding quality facilities throughout the years is a result of an integrated project delivery team having strong technical expertise and effective construction management. In order to maintain that ability, the Task Force determined that Training; Integration of Construction Into the PMBP; Staffing, Recruitment, and Retention; and Quality Management require additional attention. Synopses of the Task Force findings are discussed below.

TRAINING – Construction personnel require more systematic and broad-based training, especially in PMBP. Other areas of concern include: Non-Traditional Contracting, DAWIA, and focused technical training. To assist Construction Personnel and their supervisors in obtaining this training, the Task Force recommends a central repository of relevant information at the MSC level.

INTEGRATING CONSTRUCTION INTO THE PMBP – Early involvement of the construction element in the PDT is critical to the success of a project. PMBP doctrine should recognize and be compatible with construction and contracting procedures and terminology, recognizing that Construction personnel serve in a variety of roles (contractual, fiscal, technical, managerial) as they deliver the final product to our customers. . The RMB should ensure that Construction Personnel are aware of future plans for workload and actively participate in the integrated PMBP processes that

support those projects. The PMP must have relevant and timely input from construction, including the resources to conduct proper BCOE reviews and provide for adequate QA in the field. The current myriad of AIS systems must be integrated to allow single data entry/output at the field level.

STAFFING, RECRUITMENT, AND RETENTION – At the heart of construction management are Quality Assurance personnel (traditionally GS-0809 Construction Representatives), whom we rely upon to establish and maintain long-term relationships at the various projects and installations we support. Their longevity and experience have helped us deal with variations in workload, complexity, and shortages in staffing and funding, and organizational changes. In the last 10 years, we have lost over 10% of this institutional knowledge – in the next 5 years, nearly half of the remaining Construction Representatives will be eligible for retirement. If we are to arrest/reverse these trends, we must develop, attract, and retain a feeder/replacement group, and provide adequate compensation and growth potential for their careers. . The Task Force recommends the establishment of a separate career path for GS-809 series employees. We also believe that active recruitment of potential candidates, especially from active Military Engineer units, will help to address this situation.

QUALITY MANAGEMENT – In addition to enhancing participation of construction on the PDT, there are some basic Quality Assurance roles that should be reinforced and enhanced. The Task Force views these as essential and integral parts of the PDT. In order to assure sufficient resources are available to provide this enhancement, and to properly perform other S&A responsibilities on MILCON Projects, the Task Force made certain recommendations regarding S&A rates. These recommendations are now being reconciled with those resulting from the S&A Pilot Study report.

The draft task force report is being staffed at HQUSACE at this time. More information will follow upon final disposition.

POC: TERRY WILFORD, CECW-ETC, 202-761-5542

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Update

2003 ENGINEER OF THE YEAR AWARD PROGRAM

We are pleased to announce the USACE winners of the 2003 Engineer of the Year Award Program.

COL William J. Bayles – Commander and District Engineer, Rock Island District

Dr. Michelle M. Crull – Structural Engineer, U.S. Army Engineering & Support Center,
Huntsville.

In addition, together with nominees from other federal agencies, the two USACE winners will be competing in the 2003 Federal Engineer of the Year Award Program, which is sponsored by the National Society of Professional Engineers.

Congratulations to COL Bayles and Dr. Crull for their outstanding achievements as professional engineers.

POC: SAMI RAHMAN, CECW-ET, 202-761-7698

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USACE LABORATORY VALIDATION PROJECT DELIVERY TEAM (PDT)

The Director of Civil Works established a USACE Laboratory Validation Project Delivery Team (PDT) in December 2001 to study the issues and problems associated with engineering and construction materials laboratory validation. The PDT was required to provide recommendations to the Directors of Civil Works and Military Programs by September 2002. The PDT was encouraged to look at industry accreditation practices, funding alternatives for the Materials Testing Center (MTC), and needed policy and regulatory changes.

The PDT included representatives from each MSC, Center, and HQ. The PDT met twice to discuss the issues and come up with recommendations. The history of commercial materials laboratory validation, current field practices, current regulations and policy, funding options, industry concerns and practices, training needs, quality concerns, and probable future outcomes were reviewed. The PDT realized that no national industry accreditation organization currently exists that can completely satisfy our laboratory validation requirements. They also reviewed current Corps practices and inconsistencies relative to current engineering regulations. The team developed various options and endeavored to formulate a plan that would satisfy the Corp's requirements for consistent quality at a reasonable cost. The following recommendations are an attempt to synergize all these needs into a workable solution.

1. Require MSC, Center and District Commanders to become engaged in this important area and require compliance with Engineer Regulations.
2. Establish or find training resources that fulfill the need of prospective inspectors/auditors and material experts in the field.
3. Continue to partner with industry in developing national standards and systems for laboratory inspection and mutual recognition.
4. Increase existing inspection/audit costs to cover administrative costs of the MTC. Cost increases are based on the probable number of inspections/audits projected by the MSC's.
5. The MTC also provides technical assistance in the materials area to the field. It is recommended that a portion of the MTC be centrally funded to both maintain and develop this technical resource.
6. Combine inspection requirements in ER1110-1-263 (HTRW) with requirements in ER1110-1-261. Also include dredging biological testing validation requirements.
7. Revise ER5-1-11 to include guidance for including appropriate money for validation in Project Management Plans.

The Directors of Civil Works and Military Programs reviewed and concur with the above recommendations. They also agreed that the Corps of Engineers' reputation as the world's premier public engineering organization would be affected if the MTC is not maintained as the centralized source for laboratory validation. Current validation criteria and inspection/audit costs can be found at www.wes.army.mil/SL/MTC/mtc.htm. It is critical that all non-validated labs that are currently being used be scheduled for inspections/audits.

Recommendation number 5 included a provision for additional money from Headquarters to support technical capability at the MTC. The Directors supported this recommendation to the extent that funds are available. Several other recommendations will entail changes to the existing ER. The PDT is currently working on revising the ER to comply with these recommendations. Notwithstanding this revision, it is expected that all MSC and District Commanders will comply with this ER. In future Command Inspections, all Commanders will be required to report on their efforts to bring their districts

into compliance with this requirement. It is expected that MSC's will review their compliance as part of their Quality Assurance programs. Further details can be found in the PDT report. The POC is Mr. Bradley James, CECW-ET.

POC: DAN LEAVALL, CEERD-GS-E, 601-634-2496

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DEFENSE ACQUISITION UNIVERSITY (DAU) TRAINING...SOMETHING YOU SHOULD KNOW!

Acquisition workforce folks sometimes experience difficulties with applying and attending DAU acquisition training courses. As you know, construction acquisition workforce personnel need certain contracting training in order to become warranted as administrative contracting officers. There are two key parts to accessing DAU training. First, the individual's position must be designated as an acquisition position by the Department of Army. For non-1102 series positions this is accomplished by contacting the HQUSACE point of contact in E&C (Mark Grammer). Individuals need to provide the appropriate position information on a form that will be provided. The information is sent to DA and the position is added to the Civilian Acquisition Position List (CAPL). A unique number (APL number) is assigned and the individual is advised. The second key part concerns the completion of an Acquisition Career Record Brief (ACRB) online. The ACRB includes an individual development plan (IDP) portion that must be used in order to apply for training and the APL number is necessary to complete the application. The website is <http://asc.rdaisa.army.mil/>. Click on "Career Management Division" and then "Career Acquisition Personnel & Position Management Information System (CAPPMIS)".

When the new Facilities Engineering Acquisition Career Field is populated within the next 6 months, many more E&C positions will be designated as acquisition and there will be DAU training requirements in Facilities Engineering. There will be more details provided on this new career field in the upcoming months, so stay tuned.

POC: MARK GRAMMER, CECW-ETC, 202-761-4127

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CORPS TEAM REPAIRS 70-YEAR-OLD VERMONT DAM

In 1935, the Corps oversaw the construction of Vermont's Waterbury Dam, which was built in response to a flooding disaster in 1927. Seventy years later, a Corps multi-district project delivery team is repairing the structure so that it can continue to serve the Waterbury community.



The Corps first civil works projects were in Lake Champlain, VT, beginning in 1935 and ending in 1938. The Civilian Conservation Corps under the supervision of the Corps built the Waterbury Dam. The Corps has worked on the dam twice since.

The CCC was a program created by President Roosevelt was designed to help put people to work during the Great Depression. Doug Leite, project manager recently spoke with one of the original laborers who constructed the dam. "He received \$5

per week and worked 12 hour shifts around the clock 6 days a week."

The dam is one of the largest in Vermont and is located on the Little River in the Winooski River Basin in the Town of Waterbury. The dam's rolled earthen embankment is 187-feet high and 1,845-feet in length. A reservoir is located next to the dam and covers approximately 890 acres at normal summer pool level.

In 1927 the State of Vermont experienced a disastrous flood that resulted in 55 deaths and damages of \$13.5M (1927 price level). In response, the Corps designed and constructed three dams during the 1930's, including the Waterbury Dam, in the basin to protect the region from future flooding.

In the late 1990's, the Corps conducted tests on the dam. "Part of the dam sits on the old river gorge that may have settled, possibly creating voids in the dam," said Leite. "Excess seepage in the dam could erode the dam internally."

The State of Vermont requested the assistance of the Corps to make repairs. The Corps promptly assembled a multi-district project delivery team including three Corps Districts - New York, Baltimore and New England and the North Atlantic Division, USACE Headquarters and the State of Vermont, the project sponsor.

New York District is responsible for Project Management, New England District is responsible for the economic analysis and the hydraulics and hydrology (H&H) analysis as well as handling the environmental, cultural and real estate issues, and the Baltimore District has the responsibility for the design efforts associated with the current Waterbury repairs.



The team received praise for how swiftly it assembled the necessary expertise for the project and was able to break ground in less than three years. "Three years seems like a long time (to wait since, but) ... it's almost lightening speed. It's unheard of," said COL John O'Dowd, New York District Engineer. "This could only happen with this team," he added. "The Corps has been reframing and changing over the last 100 years. There is a new synergy."

According to Richard Ring, New England District project manager it only took about two and one-half years from the initial site visit to start of a \$20 million project. To accomplish this, a team comprised of dedicated professionals, not only performed their own tasks, but cooperated with each other flawlessly. "There were no egos, no turf problems, no excuses, just a focused group of professionals who concentrated on the goal of fixing the dam," said Ring.

The repairs to the dam began in July 2002 and the project is expected to be completed in Fall 2004. RAITO Inc., a contractor from San Leandro, CA was hired to do the three years of repairs. Presently, J.A. McDonald, a Vermont subcontractor is excavating a downstream section of the dam so that filter stone can be placed around the discharge pipe that runs through the center of the dam. These filters will intercept and safely discharge any seepage that may flow along the outside surface of the pipe that runs from the reservoir to a powerhouse on the downstream side of the dam. The powerhouse was added to the dam in 1953 and supplies approximately 5.5 megawatts of electricity annually to the Waterbury community.

Michael Snyder, Baltimore District, Lead Geotechnical Engineer and Design Team Leader said, "During the next two years, the prime contractor, RAITO Inc, will construct a cutoff wall and six drainage wells in the river gorge beneath the dam." "The cutoff wall will be formed by drilling a series of overlapping 6 ½-foot diameter vertical holes and backfilling them with concrete. This will block open seepage channels in the river gorge that could be pathways for the internal erosion of the dam embankment soils."

"Wells will be located immediately upstream of the cutoff wall to intercept and extract gorge seepage that will be blocked by the cutoff wall. Although the proposed drilling technique has been used previously to create cutoff walls in other dams, the unique subsurface conditions associated with the river gorge make this an especially challenging job," said Snyder.

The reservoir serves as an extremely popular state-sponsored recreational facility where residents and vacationers fish, camp, swim and boat on the water. In recent years the water level has been lowered to take the pressure off of the dam and to allow for construction work. When construction is completed the water level will be restored to normal.



Preserving the environment has been a top priority with the team. The mitigation for the draw down of the reservoir will be of a bio-engineered shoreline stabilization project. Mike Penko, the team biologist with the New England District, has said that the turbidity (water quality) of the water coming out of the reservoir has been much better than expected and the impacts to the environment have been kept to a minimum.

"We are pleased with the work the Corps is doing and how they are maintaining the environment, said Ramona

Spivey, a naturalist with the Vermont Department of Forest, Parks and Recreation. "I am pleased to say I haven't seen any fish kill."

Snyder said, "The present construction should completely resolve the dam safety concerns and allow the project to return to normal operation so that the community can receive the full benefits of the project."

POC: JOANNE CASTAGNA, CENAN-PP-C, 212-264-1230

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Dam Safety

NDSP TECHNICAL WORKSHOP NUMBER 10: DAMSITE SECURITY

This year the National Dam Safety Program Act Technical Seminar # 10 will be on the topic of "Damsite Security - Measuring Risk of Threat, Consequences and Vulnerabilities Using RAM-D". The seminar that will be held at the Emergency Management Institute in Emmitsburg, Maryland, will begin on Wednesday, February 19, and end on Thursday, February 20, 2003.

RAM-D is a process to analyze the current security risks at our nation's dams of all sizes, large and small, and provide information to support effective risk reduction measures based on available

resources for security.

This 2-day overview of security assessments will provide the dam safety official with the knowledge and ability to initiate a focus on security issues. For the dam safety engineer that will participate in future comprehensive vulnerability assessments, this workshop will provide an excellent introduction to the full 1-week RAM-D training.

The workshop will provide to the dam safety professional, program manager, engineer or inspector, valuable training and information in the following areas:

How to prioritize your program's security problems and focus your efforts on the dams where a legitimate threat exists

Whether a large portion of your inventory will require a detailed security assessment. Small dams are evaluated quickly and easily.

Insight and understanding into whether a credible threat from terrorist activity exists for specific dams in your program.

Are the security measures currently in place adequate based on the threat assessment and where simple cost effective improvements can be implemented.

A comprehensive, overview of the RAM-D Methodology.

Facilitated small breakout groups to run through an example RAM-D assessment of a dam project.

Panel discussions with question and answer sessions among experienced security specialists and dam safety professionals who have completed security assessments.

Sufficient information to decide if the full 1-week long RAM-D training is necessary for your dam safety program.

The workshop will provide in an interesting forum with insightful discussion, important information and very useful training about the latest information about security assessments at dams. The seminar will bring together an impressive panel of expert consultants, experts from State and Federal programs, experts from the Bureau of Reclamation, TVA, the Corps of Engineers, FERC, and private practice, and private owners and operators for what promises to be the most informative workshop on security at dams convened to date.

Instruction and presentations will be complimented by panel discussions where the audience will have the opportunity interact with recognized dam safety and security experts to pursue innovative ideas and concepts.

For more information about the course go to website <http://training.fema.gov/EMIWeb/dsts.htm>.

POC: DAN RODRIGUEZ, CENAD-MT-EC-I, 718-765-7095

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Information

VACANCY ANNOUNCEMENTS

The following job vacancy announcements are currently open. Interested individuals should insure that their RESUMIX information is current and for jobs at the West POC insure that the appropriate locations are shown.

Chief, Cost Engineering Branch – The Albuquerque District is recruiting for the position of Chief, GS-13, Albuquerque District. This position is also responsible for Specifications. The vacancy is a supervisory interdisciplinary position classified in series, GS-0808 (Architect); GS-0810 (Civil Engineer); GS-0830 (Mechanical Engineer); and GS-0850 (Electrical Engineer). Interested employees should assure that their RESUMIX is on file at the West CPOC in Ft. Huachuca, AZ. The referral and selection list will be pulled in early December.

POC: GARY GAMEL, CESPA-EC, 505-342-3434

Engineering Technician – The Seattle District is recruiting an Engineering Technician, GS-0802-13 for their Engineering/Construction Division, Construction Branch, in Richland, Washington. The individual will serve as a Senior IRT Engineering Technician on special assignment for the Department of Energy (DOE), Office of River Protection (ORP), providing comprehensive integrated Contract Administration in the management of a complex, high value construction project governed by multiple requirements to control change; such as Configuration Control, environmental oversight, regulatory initiatives, Congressional oversight, etc. The Waste Treatment and Immobilization Project (WTP) involves unique and highly technical construction requirements of national interest, major process equipment acquisitions, installation and systemization of multiple facilities within plant configurations, and varied contract formations with final cost objectives in excess of \$4 billion. Interested employees should assure that their RESUMIX is on file at the West CPOC in Ft. Huachuca, AZ. The referral and selection list will be pulled December 6.

POC: SUSAN SMITH-ANDERSON, CENWS-HR, 206-764-3738

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TRI-SERVICE CONTRACT FOR NON-GOVERNMENT STANDARDS

The Engineering Senior Executive Panel (ESEP) is composed of the senior engineering representative of each of the three services and one from the Office of the Secretary of Defense (OSD). Dwight Beranek is the Corps representative. A primary initiative of this group has been the creation of unified engineering/construction criteria, based on industry standards, shared by the services. The increasing use of industry standards in our criteria has created a costly need for our offices to have access to these non-government standards.

In response to this need, funding was requested of and approved by OSD for a tri-service contract for non-government standards. Word of this effort has been disseminated through the Corps Specs Steering Committee and other interested points of contact. The initial contract will be achieved by a modification to an existing Navy contract with Information Handling Systems (IHS). The modification is expected to be completed and on line by 1 Oct 2002. You should be able to reduce your own standards subscription costs by use of this contract. This effort is fully funded- there is no cost to you. We have an agreement for OSD to pick up the cost for the foreseeable future.

A listing of the publications in the contract appears below. All of the publications are available through Internet connection. All publications are available immediately on screen and may also be printed for use by your organization. Content can be modified over time to better fit our needs.

The nature of the Navy contract is unusual. Although all access is by Internet, there is substantial additional cost for each geographical utilization location. Not all locations could be afforded (or coordinated) at this time. For this initial period the Corps offices included in the contract are: HQUSACE, each of the Division offices and each of the District offices. For purposes of the contract, the number of users at each location was estimated as 100. The permitted users are only those who are geographically within the city, which includes the listed offices. Unfortunately, some of the locations where the standards are needed most, such as construction field offices, will not qualify for direct use of this contract. It would however be acceptable for District offices to provide electronic or paper copies of documents for District business use in the field. These copies would have to be downloaded from IHS at the District office for transmission to the field office. We hope to rectify this situation in the not too distant future through updates to the contract.

As soon as they are available, instructions for use of the non-government standards contract will be distributed. An Engineering/Construction Bulletin is being prepared on this contract to increase general familiarity and provide necessary details. We will be very interested in your feedback on the value, structure and content of the contract.

Documents in the Tri-Service Contract for Non-Government Standards

1. Ten simultaneous user accesses for these societies:

ARI, Air Conditioning and Refrigeration Institute

AGA, American Gas Association

ASTM, American Society for Testing and Materials (listed sections only)

ASTM Metals Section

ASTM Construction Section

ASTM Rubber and Electric Insulating Materials

ASTM General Test Methods

ASTM Plastics Section

BHMA, Builder Hardware Manufacturers Association

MSS, Manufacturers Standardization Society (Valves and Fittings Standards)

NACE, National Corrosion Engineers

ICC, International Code Council

SSPC, Society for Protective Coatings

UL, Underwriter Laboratories (Complete without directories)

DOD Adopted Industry Standards (must include at a minimum DOD adopted standards from ASTM, AIA/NAS, SAE, NEMA, EIA/TIA, UL, ASME, ANSI, AWS, and any other organization, which may contribute 0.5% or more of the collection. All must be provided in electronic format via the Internet-based network.)

2. Five simultaneous user accesses for these societies:

ASHRAE, American Society of Heating, Refrigeration & Air-conditioning Engineers

ASME, American Society of Mechanical Engineers (ASME Standards Only)

AWWA, American Water Works Association

AWS, American Welding Society

IEEE, Institute of Electrical & Electronics Engineers (Power Section Only)

IESNA, Illuminating Engineering Society of North America
 NEMA, National Electrical Manufacturers Association
 ANSI, American National Standards Institute (Electrical/Electronics Section Only)
 API, American Petroleum Institute (listed sections only)
 API Transportation, Marketing and Safety
 API Exploration and Production
 API Refining

3. **Three** simultaneous user accesses for these societies:
 AASHTO American Association of State Highway & Transportation Officials
 ASME/BPVC ASME Boiler Pressure Vessel Codes
 SMACNA Sheet Metal & Air Conditioning Contractors' National Association

4. **Twenty** simultaneous user accesses for these societies:
 NFPA National Fire Protection Association

Not included are the following societies, other than those popular publications included as part of the DOD Adopted Standards (see item 1 above).

AA Aluminum Association
 ABMA American Bearing Manufacturers Association
 AGMA American Gear Manufacturers Association
 ASSE American Society of Sanitary Engineers
 ACI American Concrete Institute

POC: ROBERT BILLMYRE, CECW-ET, 202-761-4228

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NEW PUBLICATIONS

All new publications issued by HQUSACE are now issued electronically. This results in some offices not knowing about new publications for some months after the official issue date of the publication. Corporate Information (CECI-IV) maintains a list of new publications issued in the last 180 days on the Internet at <http://www.usace.army.mil/inet/usace-docs/new-pubs/>.

In order to assist Engineering and Construction offices in obtaining the latest publications, we will include a listing of the newest publications in each issue of the E&C News. The lists in this issue include all publications issue from 1 September 2002 through 11 November 2002.

New Engineer Circulars

PUB.NUMBER	PGS	PROPONENT	TITLE	PUB.DATE	EXP.DATE
EC 15-2-1	004	CECW-E	Boards, Commissions, and Committees - Corps of Engineers Dam Safety Program Management Team (CEDSPMT)	08 Nov 02	31 Dec 04
EC 37-2-137	007	CERM	Financial Administration - FY 2003 Plant Increment Rates	01 Oct 02	30 Sep 03
EC 1110-2-6055	010	CECW-EWS	Engineering and Design: Construction	30 Aug 02	30 Sep 04

			Considerations for Low-Density Concrete		
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New Engineer Manuals

PUB.NUMBER	PGS	PROPONENT	TITLE	PUB.DATE
EM 1110-2-1304	044	CECW-EE	Civil Works Construction Cost Index System (CWCCIS)	Tables revised 30 Sep 02

New Engineer Pamphlets

PUB.NUMBER	PGS	PROPONENT	TITLE	PUB.DATE
			None Issued this Period	

New Engineer Regulations

PUB.NUMBER	PGS	PROPONENT	TITLE	PUB.DATE
ER 37-1-30	041	CERM-F	Financial Administration - Accounting and Reporting	30 Sep 02
ER 1110-1-8157	034	CECW-ET	Geotechnical Data Quality Management for Hazardous Waste Remedial Activities	01 Oct 02

New Engineer Technical Letters

PUB.NUMBER	PAGES	PROPONENT	TITLE	PUB.DATE
TL 1110-3-504	001	CECW	Airfields/Heliports Surface Drainage Design	01 Nov 02

POC: LIZ PANSELL, CECI-IV, 202-761-5974

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NEW ENGINEERING AND CONSTRUCTION BULLETINS

All Engineering and Construction Bulletins are posted on the TechInfo website (<http://www.hnd.usace.army.mil/techinfo/ECbull.htm>) along with the previous ECB's. Individuals should direct questions concerning the ECB to the individual indicated with the ECB. General questions may be directed to the individual POC listed below.

In order to assist Engineering and Construction offices in obtaining the latest bulletins, we will include a listing of the newest bulletins in each issue of the E&C News. The list in this issue includes all bulletins issued from 1 September 2002 through 11 November 2002.

Engineering and Construction Bulletins

BULLETIN NUMBER	DATE ISSUED	TITLE
2002-27	4 October 02	Construction Modification Reason Codes in RMS

		(Resident Management System)
2002-28	4 October 02	Construction Quality Management for Contractors - Update
2002-29	4 October 02	DOD Minimum Antiterrorism Standards for Buildings
2002-30	30 October 02	USACE Environmental Operating Principles
2002-31	28 October 02	Vinyl Sheet Piling

POC: DON EVICK, CECW-ET, 202-761-4227

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Upcoming Regional and National Meetings and Conferences

2003 INFRASTRUCTURE SYSTEMS CONFERENCE

The U. S. Army Corps of Engineers in partnership with the Naval Facilities Engineering Command and the Air Force is sponsoring the 2003 Infrastructure Systems Conference. The Corps' South Pacific Division and Los Angeles District will host the conference. It will be at the Bally's Hotel in Las Vegas, Nevada, 6-8 May 2003. The conference will consist of a plenary session and the following technical workshops: (1) security engineering, (2) structural engineering, (3) geotechnical engineering, (4) materials engineering, (5) electrical engineering, (6) mechanical engineering, (7) construction, (8) specifications, and (9) dam safety. Up to 16 separate technical sessions will be held concurrently. The conference will also include approximately 200 exhibit booths for participating manufacturers and professional associations. The theme of the conference will be "Engineering in a Changing World", with an emphasis on the engineering of security and safety into DoD and civil works facilities. The conference will start at 0800 hours, Tuesday, 6 May 2003, and continue through 1200 hours, Thursday, 8 May 2003. A full schedule of optional training sessions on Thursday afternoon will also be provided. Approximately 18 professional development hours (PDHs) can be earned for those attending the conference and 4 PDHs for those taking the Thursday afternoon training.

The Security Engineering Workshop will be conducted in association with The Infrastructure Security Partnership (TISP). Topics such as blast protection, progressive collapse, electronic security, chem-bio defense, and DoD minimum anti-terrorism standards will be presented at this workshop.

This conference is an excellent way for engineers and designers to obtain valuable technical information and exchange ideas on the today's safety and security issues. The website for the conference is <http://www.spl.usace.army.mil/ISC/isc2003.htm>. All conference details including points of contact, and conference and hotel registration will be posted on the website.

POC: ROBERT DIANGELO, CECW-ETE, 202-761-5543

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Training

FY2003 PROSPECT COURSES

A wide variety of technical and professional development courses are available through the USACE Proponent Sponsored Engineer Corps Training (PROSPECT) Program. Information about the FY03 program can be found online at: <http://pdsc.usace.army.mil> under *Class Schedules*.

To enroll, first discuss this with your supervisor and then contact your local training coordinator. Your training coordinator can guide you through the registration process and inform you of any deadlines applicable in your organization as well as all local procedures that you must follow to register.

If a course is full, you may request to be put on a waiting list and you will be informed when a space becomes available.

POC: JOHN P. BUCKLEY, CEHR-P-T, 256-895-7431

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Open Discussion and Comments

No items for discussion were received this month.

(Editors' note: If you want to share your thoughts with our readers regarding a subject of general interest, send an email to the E&C News editor at charles.pearre@usace.army.mil. A synopsis of your comments will be published next time).

Editors' Notes

FUTURE THEMES

Future regular issues of the Engineering and Construction News will be issued every two months; with special issues published as needed. The theme for the next issue of the News is listed below for your information and use in preparing articles for submission to the News.

December 2002-January 2003

The Corps of Engineers Dam Safety Program Management Team

POC: CHARLES PEARRE, CECW-EIS, 202-761-4645

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SUBSCRIBE TO ECNEWS

Engineering and Construction News uses a subscription list on the Corps List Server. The name of the list is LS-ECNEWS. The purpose of the list is to distribute the Engineering and Construction community newsletter, *Engineering and Construction News*.

You can subscribe or unsubscribe to LS-ECNEWS by sending an e-mail message to majordomo@lst.usace.army.mil with no subject line and only a single line of text in the message body. That single line of text should have the following format: **subscribe ls-ecnews** or **unsubscribe ls-ecnews**. The List Server system will automatically pick up your originating e-mail address from the message and add it to or delete it from the distribution list.

If you have any questions about the list server, contact the List Server E-Mail Delivery System by e-mail us by weblord@usace.army.mil or calling 503-808-4968. Or you may contact Charles Pearre if you have additional questions on the subscription list.

POC: CHARLES PEARRE, CECW-EIS, 202-761-4645

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