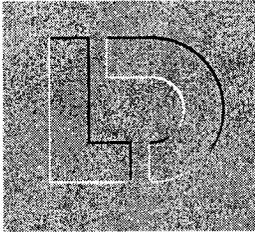


SPADEWORK

ATLANTIC DIVISION, NAVAL FACILITIES ENGINEERING COMMAND



Construction Division

NAVFAC

Restructuring Plan

Gary Mackey, Code 05

Now that RADM Nash has announced the Restructuring Plan for the field, I thought that I would give you my opinions on the new NAVFAC. The primary changes to the organization are (1) liaison officers (LnO) for customers and (2) the concept of interdependency. The purpose of LnO positions is to be the single point of contact for customers into the NAVFAC organization. These positions will vary depending on the type of customer (i.e., activity, regional commander, claimant, syscom, and service levels). This will give our customers one point of contact so that they can get the maximum out of our Command. For example, the NAVAIR LnO could be located in the Washington, DC, area but would tie into all of the traditional EFD's for NAVAIR projects. This type of consistency and personal responsibility will improve the perceptions of our customers and help them navigate through NAVFAC and get the best product and services available. The concept of interdependency is, in my mind, the most important cultural change in our organization. Although NAVFAC will be smaller in numbers in the future, our width and breadth of each organization will be bigger. Interdependency will be built in the organization by staffing each Command with different levels of expertise so that more sharing of resources between Commands will occur. The teams will, also, be virtual so that the team membership could have representatives from several

of the Commands within NAVFAC. The Operations Officers from each organization will be part of a Production Coordinating Board that will evaluate customer's needs and determine the most efficient way to provide these services. The biggest impact to the ROICC's is the formal adoption of the Field Office Model, as developed by the PWC/EFD Deconfliction Committee. Another impact to the ROICC's is the change in the number of EFD's that will provide contracts to them to administer. Thus, they will have to communicate with more people in the future. This, also, will give us one geographical office that delivers all of our traditional NAVFAC products and services. The new NAVFAC will help all of us to be more effective. Please be open to these new changes because they will make us a better and more responsive NAVFAC.

ASTM Specifications on the Worldwide Web

John Adams, Code 053A

LANTOPS now has an on-line connection at <http://subscription.astm.org> where you can access and print any published ASTM. A user name and password, which can be obtained from your Chief Engineer, will be required to log on. Remember, only one person at any given time can access our account so do your research and log out as soon as possible.

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Safety Leadership Commitment Reemphasized

Bill Garrett, Code 0526

The following excerpts are taken from a message sent by CAPT J. W. Zorica in which our Command safety leadership and responsibility commitment is squarely emphasized:

"...accidents are avoidable if people think and pay attention." "Be advised, I consider jobsite safety a leadership responsibility and I have a very low tolerance for poor ROICC safety enforcement when it comes to preventable accidents involving deaths."

Regarding a previous accident involving a fatality:

"...the ROICC had observed the unsafe equipment/procedure on site for some time prior to the fatal accident. It was a problem project with a poor performing contractor who was losing money. There was a pattern of recurring safety problems on the project. The ROICC saw what was going on beforehand - maybe he was focused on other things, but did not say or do anything about it. A formal investigation ensued and while the ROICC was not found to have personal liability in a legal sense - he was held accountable for his failure to take an active leadership role in the construction safety program." ...and "This officer is no longer in the Navy. This may seem harsh - but we are not talking about a paper loss or a mistake that can be fixed - death is personal and irrevocable. Money, words and stacks of investigative reports cannot restore the workers life or compensate his family."

"Keep your eyes open when you visit your jobsites and don't be afraid to speak up when you see something that's not right. Sometimes a gentle word is all that's needed to end an unsafe practice and prevent another tragic loss."

Changes to the QC Guide Specification, Section 01450

John Adams, Code 053A

The latest QC (Quality Control) Guide Specification, dated 31 March 1998, includes wording in paragraph 1.4 that states that the QC Manager reports to the project superintendent. This change was made unannounced to the EFD's and will be revised by the

next update of the guide specification. Until this change is implemented, LANTDIV Codes 406 and 052 are editing the preferred requirement for the QC Manager to report to an officer of the firm and not be subordinate to the superintendent or project manager. Please ensure that this requirement is incorporated during your ROICC constructability reviews of PWC and LANTDIV pre-final submittals.

The WIP Report (R-26)

*Tom Grieves, Gail Smith, Michele Lee and
Fannie Carthan, Code 053*

FLASH!!! In the future, the WIP¹ Report will not be printed and distributed by LANTOPS. Following our long-standing monthly procedure, several copies of the R-26 Report are printed by LANTOPS Code 01 and provided to Code 05. We then sort and distribute the report by mail to each field office. We, also, fax the report to all of LANTDIV's non-continental United States' field offices.

We recommend that you take the time to explore LANTDIV's home page. In addition to many other informative sections, there is a directory where you can access many of the reports that Code 01 prints and distributes. The R-26 for all components is now included in that directory.

The R-26 is already being distributed to EFA MED (Headquarters only) and offices at Norfolk, Oceana, Norfolk Naval Shipyard, Naval Hospital, Camp Lejeune, Cherry Point, and Puerto Rico using this method. Additional offices using this distribution method are expected to be added each month.

In the near future, we believe that every office that uses the report will be able to print and distribute applicable sections of the R-26 from our website. All that you need is access to LANTDIV's home page (an Internet connection) and software made by Monarch. We have distributed the software to 12 offices. Our only real challenge, to date, occurred due to the Internet connection. Some of our field offices, such as ROICC Norfolk, access the Internet through LANTOPS over a modem connection. There is so much traffic on the connection that the Internet access times out before the file is opened (the Monarch program does not let you know that is the problem). When we condensed the file, they were able to open and print the report. This problem

should be totally eliminated when all of our local ROICC offices are connected back to us using a T line (local offices come back through LANTRIV to surf the Internet) or if your office has a direct Internet connection with a provider using a modem.

The Monarch program is used to convert the FACSO R-26 to a Monarch file so that you can easily view and print the appropriate section of the report. If your office has not been contacted about using this method to receive the report and you are interested in getting on board with the new distribution method, please call us at (757) 322-8416. We will give you the software with some simple instructions and provide the assistance necessary to use the on-line R-26 Report.

Please do not get too concerned--we will not stop distributing your report until we know that the on-line service in your office is working. If a problem printing the report develops, we can still send a copy of the R-26 Report to your office. The monthly memorandum reminding you to update the information in the report and forwarding Command target and actual WIP information will still be sent to your office. Hopefully, one day this information will, also, be posted on the website for distribution.

1 WIP stands for Work-in-Place and applies to construction and FSC work.

Safety Corner Articles

Bill Garrett, Code 0526

Naval Construction Battalion/ROICC Quality Assurance Interface

A serious accident occurred on a Naval Construction Battalion (NCB) project involving high voltage electricity. Two employees were pulling out two strands of tie wire from a coil, straightening the wire, and then manually twisting two strands together. During this process, a long strand broke causing one end of the tie wire to spring up coming in contact with a 38 kV circuit 36 feet above the work area. One of the workers was holding one end of the tie wire and received a serious electrical shock injury. This accident heightens our need to increase awareness on our sites in identifying the location of electrical hazards.

This unfortunate accident identified some shortcomings in established roles and responsibilities for Resident Officer in Charge of Construction (ROICC) personnel who are providing support for NCB projects. ROICC involvement with NCB projects is constantly evolving. During the Quality Assurance (QA) process on these projects, our ROICC representative should continue to identify and document safety deficiencies observed on the site. Each NCB project has an assigned on-site safety representative. Any deficiency observed should be identified with this individual for action. This approach is similar to our standard business practices when dealing with contractors' superintendents. On-site assurance must continue to be "zero goal through zero tolerance."

If a serious accident occurs on site where the ROICC is providing QA assistance, the ROICC should assist the NCB in investigating the causal factors by taking photographs, ensuring the scene is secured, and identifying potential witnesses for the mishap investigator. Serious accidents are investigated and reported by the Naval Construction Battalion (NCB) Safety and Health Manager, Mr. Steve Rosnov (telephone number: (757) 464-8540). The NCB will provide necessary message traffic for the mishap. If Mr. Rosnov is not available, other arrangements will be made through our EFD for support. This arrangement reflects our agreement with Component Commands within the Atlantic Division.

Construction Safety Information on the Net

A new site is available for obtaining the latest in construction safety information. To assist in accident prevention, you can now review previous accident abstracts at:

<http://www.navfac-safety.navy.mil/accyear.htm>

Demand Side Management

John Thumma, Code 1631F

Demand Side Management (DSM) is a vehicle that allows the Navy to contract with a Utility Company to provide improvements which will save costs and/or energy and have a pay back within a few years. Under the contract, the Utility Company can provide the capital for the work, and the Activity can pay for the

work over the years of operation. DSM is speedy, of high quality, and negotiable. DSM is quickly becoming the implementation vehicle of choice for Energy Conservation Projects (ECPs) and studies.

LANTDIV is currently "gearing up" to be proactive in assisting Activities in the implementation of the DSM program. Some DSM tasks have already been done at Yorktown, Quantico, and other areas. These have included lighting replacement, boiler replacement, roofing, etc. A team was setup consisting of experts from the different areas. DSM impacts Energy Program Management, Design, Construction, Legal, and Contracts. The team is developing a process for providing DSM to our Activities to ensure the program is used for its optimal effectiveness. Once the process has been developed, a DSM Activity Guide will be published. Realizing the needs of every Activity are different, the process will allow for a variety of services to be used. The point of contact in Code 16 is John Thumma at (757) 322-4695, and in Code 05, the point of contact is Kelly Wood at (757) 322-8412. Carolyn Sulla at (757) 322-4750 is the Contract Specialist for this work. ROICC offices will be asked to assist in construction administration of DSM task orders. A policy statement outlining ROICC responsibilities will be issued by the Construction Division in the near future.

The Utility Companies started DSM programs to control their capital expenditures for energy production growth. Federal Law 10 USC 2865 granted DoD the authority to sole source with regulated Utility Companies for DSM services. Typically, the types of services a Utility Company can provide under DSM are:

- a. Preliminary energy audits (usually free)
- b. Feasibility studies
- c. Engineering and designs studies
- d. Construction/installation of ECPs
- e. Operation and maintenance of ECPs.

In order to contract for an ECP, a few criteria must be met. The ECP must meet all Navy and Marine Corps' Energy Conservation Program criteria plus some unique requirements for DSM. The unique requirements include:

- a. A special cost analysis to indicate the project has a Positive Net Present Value (PNPV) over ten (10) years, and
- b. An acceptance process called a "Measurement and Verification (M&V) Plan." The M&V Plan is a mutual agreement of acceptance between the Utility Company and the Navy.

The advantage of using DSM is that it is more flexible than other contracting vehicles. DSM allows for sole sourcing with the Utility Company, which eliminates the time associated with the advertising process. The construction can be done by "design-build" or the traditional "plans and specifications." The Navy can request the Utility Company to provide a proposal to perform any of the above services and negotiate directly with the Utility Company for the service. During negotiations, the types and quality of the products can be specified. Also, the Utility Companies that we contract with under DSM are regulated by the Public Utilities Commission (PUC) and must follow all PUC guidelines. This reduces the risk of contractor default and increases the probability of the Government receiving a quality product.

DSM allows for creative funding. Project funding can come from several sources:

- a. Activity funds
- b. Federal Energy Management Program (FEMP) funds
- c. Energy Capital Improvement Project (ECIP) funds
- d. Utility Company financed funds
- e. Partial Utility Company financed funds with a "buy down" from one of the other fund sources.

FOCAS

Article from FACSO FIS 2.0 On-line, April 1998

System Acceptance Testing for Version 2.2 was conducted in April 1998 to be followed by general release of the version in June 1998. New services and enhancements featured in this version are described and categorized.

Version 2.2 Test/Release Schedule

FACSO hosted a FOCAS Version 2.2 System Acceptance Test session, including full regression testing, the week of 20 April 1998. Initial test results

appear to be favorable, and the final major release of the FOCAS system is tentatively planned for late June.

Version 2.2 Features

Version 2.2 incorporates over 80 enhancements and adds new services and increased functionality in the areas of D.O. Processing and Construction Management. This version will, also, feature an interface with the Army COE ACASS and CCASS systems. Significant features and capabilities of the new version are categorized in the following list:

New Services

1996 Army COE Safety Manual
Payroll Verification
Warranty Reviews
Quality Assurance Plan
D.O. Closeout Card
Funding Summary
Small Business Coordination Record (DD 2279).

Enhanced Functionality

Expansion of Quantity and Unit Price Fields for CLINS
New Menu Items for D.O. Processing
 Personnel Assignment
 Plans/Specifications Review
 Construction Management
 Correspondence Logs
 Contractors
Added Print Capability When Viewing Contract IQ Status
Automatic Reindex upon Completion of FlexFile Pack.

Job Well Done!

KUDOS to our own Clarence T. Sloan, Supervisory Construction Representative, at OICC Naval Hospital, for his recent graduation from Saint Leo College with a Bachelor of Arts Degree in Business Administration. At a young 51 years of age, Clarence graduated as a member of the Delta Sigma Epsilon Honor Society.

CONGRATULATIONS CLARENCE!

Warranties for Construction

John Adams, Code 053A

As a result of recent inquiries regarding the warranty provisions of the contract as stated by the ROICC

Handbook, page 6-14, warranties for items of equipment do not commence when equipment is started prior to final acceptance of the facility and the Government receives some beneficial use of this equipment. Warranties will commence in accordance with FAR 52.246-21, Warranty of Construction. This clause states that warranties commence at the time of acceptance (beneficial occupancy) of the work by the Government. Warranties may, also, commence at the time of partial acceptance of respective work. The partial acceptance letters to the contractor and customer should identify what items of work and equipment are accepted and, also, advise of the respective commencement date for the warranty period and the duration.

"You can't build a reputation on what you are going to do."

--Henry Ford

G. W. MACKEY, P.E.
Director
Construction Division