



Safety Oversight on EV Construction and Service Projects

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RITS 2012

Presentation Overview

► Introduction

- Improvements to NAVFAC Safety Oversight Process
- Roles of Remedial Project Managers (RPMs)
- Summary

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RITS 2012: Safety Oversight – EV Construction & Service Projects

1. This presentation gives some of the background on safety oversight of EV construction and EV services projects and the new process for Remedial Project Managers (RPMs) to ensure proper safety oversight on their EV construction and EV services projects.

Presentation Focus

***Safety is important on NAVFAC Environmental (EV) construction and EV services projects.
We need to ensure our EV projects are safe!***

This presentation discusses

- **Improvements to NAVFAC safety oversight process for EV projects and**
- **Identifies the roles of Remedial Project Manager (RPM) who will be implementing these improvements**

1. In our NAVFAC Environmental (EV) Business Line this process is mainly for Remedial Action Contract (RAC) work and other similar EV construction contracts. Some elements of this process may be applicable to CLEAN work, but the focus of this process is RAC and other EV construction contracts.
2. It is important to note that over 99% of the work performed on our Remedial Action Contracts (RACs) are considered construction projects, while less than 1% are considered services projects. This presentation will primarily focus on construction projects, but we will still discuss the aspects of services projects as there are a few EV services projects out there that are still being performed using the RACs (such as Land Use Controls (LUCs) on some installations).

How Things Used To Be Done

- **Contractors were providing Accident Prevention Plans (APPs) and Activity Hazard Analyses (AHAs) to RPMs for review**
 - Some were being returned to the contractors without review by a competent Government Designated Authority (GDA)
 - Some were not being returned to the contractors at all
- **On-site safety oversight was often not being performed by a competent Government Designated Authority (GDA)**
- **No standardized process within the EV Business Line**

1. Contractors typically submit their plans to the RPM. This is fine, but the submittals ultimately need to go through the Construction Manager at the Facility Engineering and Acquisition Department (FEAD) for oversight.
2. The Fix... The Construction Manager, also known as the CM, will be the overall manager of field efforts of the project from the time of the contract award until the time of the final inspection. The CM will review these safety plans with the assistance of the Engineering Technician, who is co-located in the FEAD with the CM, and the CM will provide the contractor with the review comments for the plans.

Improving Safety on Environmental Projects

- **Supports NAVFAC Strategic Plan Goal to embed a culture of safety**
- **High priority for EV and Command**
 - **Three Lean Six Sigma (LSS) events to improve safety oversight on EV projects**
 - EV Forestry Projects (completed)
 - *EV Construction and EV Services Projects (completed)*
 - EV Professional Services Projects (scheduled for FY12)
- **Identifies standard process to ensure consistency across all Facilities Engineering Commands (FECs)**

Since a culture of safety is important to NAVFAC, it was realized that the process for the EV Business Line needed improvement. Three Rapid Improvement Events were identified to make the improvements.

The first addressed forestry which is complete

The 2nd Construction – the outcome is the focus of this presentation

The 3rd – Professional services which is coming soon.

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We are now going to go into details on the improvements...

Improvements To The Safety Oversight Process

- **Newly written NAVFAC Business Management System (BMS) Process – B-9.9.5 Coordination of EV Construction and EV Services Task Orders**
 - Guides RPMs on their roles as part of the mutual coordination required between them and their FEAD/ROICC teammates on their EV construction and EV services projects
- **New Navy Technical Representative (NTR) appointment letters that reinforce roles and responsibilities**

FEAD/ROICC = Facility Engineering and Acquisition Division/Resident Officer in Charge of Construction

7 Improvements to NAVFAC Safety Oversight Process RITS 2012: Safety Oversight – EV Construction & Service Projects

We have used the outcome of the Lean Six Sigma Rapid Improvement Event to improve the safety oversight process on EV construction and EV services projects by developing 3 products to improve Safety Oversight.

1. The new BMS
2. New NTR appointment Letters

And (next slide)

Improvements To The Safety Oversight Process (cont.)

- **New Statement of Work (SOW) template ensures safety language is in contract**
 - Identifies NTR
 - Identifies FEAD/ROICC Point of Contact

8 Improvements to NAVFAC Safety Oversight Process RITS 2012: Safety Oversight – EV Construction & Service Projects

3. new SOW template

The Solution: New EV Construction Contract Safety Process

Objectives:

- #1 Ensure identification of a Government Designated Authority (GDA) to review Accident Prevention Plans**
- #2 Standardize front-end contract language for EV construction and services task orders and ensure work is properly coordinated across appropriate NAVFAC Business Lines**
- #3 Ensure work is properly coordinated pre- and post-award with respective FEAD/ROICCs**
- #4 Define roles and responsibilities (and associated training required) for all stakeholders**
- #5 Provide recommendation on means of spot-checking data loaded into the Contractor Incident Reporting System (CIRS) database**

9 Improvements to NAVFAC Safety Oversight Process [RITS 2012: Safety Oversight – EV Construction & Service Projects](#)

These are the five objectives that the new Safety Oversight process was designed to meet. We will cover how the process meets each objective in detail as we go through the presentation.

Objective #1 Identify GDA to Review APPs

Objective #1

- Consistent identification of a Government Designated Authority (GDA) to review Accident Prevention Plans (APP) to ensure the contractor's safety program is in accordance with safety requirements identified in EV Construction and EV Facility Support (FSC) Contracts

New Process

- New BMS assigning the Facility Engineering and Acquisition Divisions (FEADs)/Resident Officer in Charge of Construction (ROICCs) with the review and approval of the contractor's APP with RPM support for review of Site Safety and Health Plan (SSHP)
- RPM shall coordinate with the FEADs/ROICCs to ensure the Construction Manager (CM) and Engineering Technician (ET) or the FSC Manager /Performance Assessment Representative (PAR) are assigned as the Government Designated Authority

10 Improvements to NAVFAC Safety Oversight Process RITS 2012: Safety Oversight – EV Construction & Service Projects

1. The Contracting Officer will issue Navy Technical Representative (NTR) letters to the RPM and to the Construction Manager (CM)/Facility Support Contract Manager (FSCM). These two NTRs act as a team – CO-CAPTAINS– during the EV construction project of the EV services project. The RPM will be appointed as the Work Plan Phase NTR. The CM/FSCM assigned to the project by the Program Management and Engineering (PME) Branch Head at the FEAD will be appointed as the Construction Phase NTR. The Construction Manager could also work for a Resident Officer in Charge of Construction (ROICC) on a Marine Corps installation, whereupon the person who would appoint the Construction Manager (CM) for the Construction Phase NTR position would be the Supervisory General Engineer (SGE).
2. New NTR letters have been developed to detail the NTR roles and responsibilities and are available in the new BMS instructions.
3. The new BMS process requires RPM to assist FEAD/ROICC (the CM/ET or PAR) in their review of the Accident Prevention Plan (APP).

Objective #1 EV Safety Oversight

- **Who is the Government Designated Authority (GDA) for EV safety oversight on EV construction & EV services projects?**

- At FEADs
- At Marine Corps Bases
- At BRAC Locations

ANSWER:

- **The Construction Manager/ET or PAR provide this service as part of Supervision, Inspection, and Overhead (SIOH)**

Note: There may be exceptions when the use of CM/ET or PAR is not possible (i.e., MRP sites or BRAC without FEAD/ROICC Support)

11 Improvements to NAVFAC Safety Oversight Process RITS 2012: Safety Oversight – EV Construction & Service Projects

1. The Construction Manager is the GDA!
RPMs – Find Your GDA! (Contact CI5 to find your GDA)
2. This has been an issue at BRAC locations where no local FEAD or ROICC exists as the RPMs have carried the load yet are not properly trained to provide safety oversight. This training comes at a price, which is paid by the NAVFAC Environmental Business Line to the NAVFAC Capital Improvements (CI) Business Line through SIOH for FEAD/ROICC support.

Objective #1

Aspects of Safety Plan Review on EV Projects

- **GDA Competent Safety Person:**
 - **Receives/Reviews Accident Prevention Plan (APP)**
 - **Receives/Reviews Activity Hazard Analysis (AHA)**
 - **Discusses APP and AHA with contractor prior to field work commencing**

12 Improvements to NAVFAC Safety Oversight Process RITS 2012: Safety Oversight – EV Construction & Service Projects

1. The RPM, in conjunction with the CM, must evaluate and identify safety requirements during the contract development phase of the project.

Objective #1 Construction Managers/GDAs are Trained to Review Safety

- Health and Safety Plan/ APP/AHA Training is necessary to be the GDA Competent Safety Person
- All training is required to be considered the GDA Competent Safety person for the project

Required Training

- ✓ USACE EM 385-1-1 Construction Safety Certification Course
- ✓ Part I – Required for Accident Prevention Plan Reviewers
- ✓ Part II – Required for APP Reviewers
- ✓ NAVFAC Safety Video – “Contract Safety – There is No Substitute”

13 Improvements to NAVFAC Safety Oversight Process RITS 2012: Safety Oversight – EV Construction & Service Projects

1. The important thing to note here is that RPMs do not have the training to be the GDA Competent Safety Person, whereas the Construction Managers and the Engineering Technicians at the FEADs and ROICCs have this training as a part of their regular duties.
2. The NAVFAC Environmental Business Line is supported by the NAVFAC Capital Improvements business line in providing this safety oversight.

Objective #1

RPMs – Find Your Construction Managers!

- **Your Construction Manager is typically at the FEAD/ ROICC and manages your EV project at the job site**
- **Your Construction Manager acts as the Competent Government Designated Authority (GDA)**
- **Your Construction Manager is your safety oversight TEAM-MATE!**

14 Improvements to NAVFAC Safety Oversight Process RITS 2012: Safety Oversight – EV Construction & Service Projects

1. RPMs should contact the CI5 for their respective FEC if they have a question about which FEAD or ROICC will be providing field support for their EV project. The Program Management and Engineering Branch Head (PM&E) at the FEAD will then decide which Construction Manager (CM) will be assigned to the EV project.
2. The RPM should include the name of the Construction Manager in the new Statement of Work template and the Construction Manager's name should be added as a team member in eContracts.
3. The RPM must provide the Construction Manager's name to the Contracting Officer so that the Contracting Officer can appoint the Construction Manager as a Construction Phase NTR.
4. RPMs benefit from this cooperative team arrangement as much safety oversight responsibility is shifted to field during the construction and services phase of the EV project.

Objective #1 Construction Managers & Engineering Technicians

Construction Manager (CM)

- The FEAD/ROICC Office
- Is primary POC for the contractor from Pre-Construction Meeting until Final Inspection
- Works with the Engineering Technician to manage/ assess the project

Engineering Technician (ET)

- The FEAD/ROICC Office
- Provides practical safety oversight on the site
- Assists the CM with APP and AHA reviews, and CIRS database reports

15 Improvements to NAVFAC Safety Oversight Process RITS 2012: Safety Oversight – EV Construction & Service Projects

1. Construction Managers (CMs) are usually degreed engineers or architects who have some construction or design background.
2. Engineering Technicians (ETs) are often skilled tradesmen who have spent time plying their trade prior to working as an inspector/engineering technician.
3. The CM and the ET work as a team within the FEAD/ROICC (on Capital Improvements projects as well as on Environmental projects).
4. The CM and the ET will work as a team to provide safety oversight on your EV construction project, and they will keep the RPM informed of events as they progress on the project, including safety issues.

Objective #2

Standardize Front-End Contract Safety Language

Objective #2

- Establish standard front-end contract language for EV construction and services task orders

New Process

- New Statement of Work template for the Remedial Action Contract (RAC) to be used for EV Construction and EV FSC contracts includes standard contract language for safety oversight

16 Improvements to NAVFAC Safety Oversight Process RITS 2012: Safety Oversight – EV Construction & Service Projects

1. The new template ensures safety requirements for oversight are included in the contract.

Objective #2 New Statement of Work Template

Found on the NAVFAC portal, under the Environmental Business Line tab

Note: Go to the Environmental Business Line Webpage for documents. From there, look for the file titled: "Template for the Remedial Action Contract (RAC) Statement of Work June 2011"

17 Improvements to NAVFAC Safety Oversight Process RITS 2012: Safety Oversight – EV Construction & Service Projects

1. RPMs – please use this new statement of work template as it contains the necessary safety specifications.
2. The hyperlink provided takes you to the Environmental Business Line webpage for documents. You have to look for the link that says "[Template for the Remedial Action Contract \(RAC\) Statement of Work June 2011](#)"

Objective #3

Coordination across Business Lines

Objective #3

- Ensure work is properly coordinated pre and post award with respective FEAD/ROICCs

New Process

- **New EV BMS B-9.9.5 Coordination of EV Construction and EV Services Task Orders compiles all Pre-Award and Post-Award roles and responsibilities for EV construction efforts and for EV FSC contract actions**

18 Improvements to NAVFAC Safety Oversight Process RITS 2012: Safety Oversight – EV Construction & Service Projects

Again, it is important for RPMs to coordinate with their CM at the FEAD/ROICCs. The new BMS spells out these requirements. A BMS is also under development for the FEAD/ROICCs identifying their responsibilities.

Objective #4 Roles & Responsibilities

Objective #4

- Define Safety roles and responsibilities (and associated training required) for all stakeholders: RPM, CM, ET, EVBLC, EVPLC, IEPM, ACO, CI5, PAR, FSCM

New Process

- New Capital Improvement (CI) BMS will provide roles and responsibilities for CI oversight of EV construction contracts and will be added in FY12
- Future – New Public Works (PW) BMS will be added in FY12 and will provide roles and responsibilities for PW oversight of EV FSC contracts

19 Improvements to NAVFAC Safety Oversight Process RITS 2012: Safety Oversight – EV Construction & Service Projects

1. Key point is that we have NTR “co-captains”. There is a partnership in managing EV projects, unlike other typical PW or CI projects. BMS has been written so everyone understands their roles and responsibilities.
2. A new BMS will soon be posted by CI that instructs the Construction Managers on their roles and responsibilities on EV construction and EV services projects.
3. PW will develop a BMS to instruct the PARs and FSCMs on their roles and responsibilities on EV construction and EV services projects. This usually occurs when the EV work is Performance Services Contract (FSC)-type services work, which could include the operation and maintenance of a steady-state treatment facility.

Objective #5 Data Accuracy

Objective #5

- Checking of data loaded into the Contractor Incident Reporting System (CIRS) database to ensure completeness and accuracy

New Process

- Contract data will now be imported into the new CIRS database directly from eContracts
- A download of eContracts EV projects data can be manipulated to identify contracts (by FEAD/ROICC) that have current on-going EV construction or services efforts. The FECs can then compare this report with the CIRS database as a spot-check to ensure completeness and accuracy.

20 Improvements to NAVFAC Safety Oversight Process RITS 2012: Safety Oversight – EV Construction & Service Projects

1. Contract data will now be imported into the new Contractor Incident Reporting System (CIRS) database directly from eContracts to link contract data with safety data. This new function will help improve consistency in data loading.
2. A report can be downloaded from eContracts projects. This data could be manipulated to identify contracts (by FEAD/ROICC) that have current on-going EV construction efforts or EV Facility Support Contract (FSC) efforts. The FECs could then use this data to compare with the CIRS database as a spot-check to validate the CIRS database accuracy.

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RPM Roles & Responsibilities

- Provide input to EV Product Line Coordinator (PLC) for projection to CI to communicate annual execution plans with FEAD/ROICC (to project EV projects requiring CI oversight)
 - Template For Planned EV Projects Requiring Construction-Services Oversight
- Involve CI and PW team members UPFRONT
 - Develop Statement of Work using online template to ensure safety requirements are in contract
 - Requires CM/ET or FSCM/PAR involvement in the constructability/serviceability review
 - RPM shall request constructability review from FEAD/ROICC on projects that include full designs

22 Roles of RPMs

RITS 2012: Safety Oversight – EV Construction & Service Projects

RPMs are required to provide projections on the number of EV constructions efforts to the EV Product Line Coordinator (PLC) who will then coordinate with CI to communicate annual execution plans with FEAD/ROICC (to project EV projects requiring CI oversight)

Template For Planned EV Projects Requiring Construction-Services Oversight

Involve CI and PW team members UPFRONT

Develop Statement of Work using online template to ensure safety requirements are in contract

Requires CM/ET or FSCM/PAR involvement in the constructability/serviceability review

RPM shall request constructability review from FEAD/ROICC on projects that include full designs

RPM Roles & Responsibilities (cont.)

- **RPM must coordinate with FEAD/ROICC on Statement of Work development**
 - RPM will use Statement of Work template that has been developed for restoration and services work types
 - RPM will ensure Purpose Code (e.g., “Construction” or “Service”) is loaded properly in eContracts and FIS. This will ensure SIOH is properly allocated to CI
 - RPM shall ensure applicable transfer of Administrative Contracting Officer (ACO) authority to FEAD/ROICC

SOW can be found on the NAVFAC portal, under the Environmental Business Line tab

From there, look for the file titled: “Template for the Remedial Action Contract (RAC) Statement of Work June 2011”

RPM Roles

New NTR Appointment Letters Detail Duties

- **RPM must receive a Work Plan Phase NTR appointment letter from Contracting Officer**
- **The Work Plan Phase NTR joins efforts with the Construction Phase NTR to operate as a team of “co-captains” in managing the EV construction project**
- **Construction Manager (CM) must receive a Construction Phase NTR appointment letter from Contracting Officer**
- **RPM to provide Contracting Officer with the name of the CM in the Statement of Work**

24 Roles of RPMs

RITS 2012: Safety Oversight – EV Construction & Service Projects

1. The NTR appointment letters detail the duties of the two NTRs.
2. These appointment letters strive to ensure the two NTRs on every EV construction and EV services project work together on the project. Clear points of contact on the project benefits the entire project team, including the contractors.

RPM Roles

Paying Construction Managers to Oversee Safety

- **Supervision, Inspection and Overhead (SIOH) money pays Construction Managers for safety oversight**
- **RPM is responsible for ensuring that SIOH is paid on their EV construction and EV services projects**
- **RPM is responsible for loading the SIOH data when the project is first built into eProjects**

25 Roles of RPMs

RITS 2012: Safety Oversight – EV Construction & Service Projects

1. This needs to be coded correctly to ensure SIOH is paid from the NAVFAC Environmental Business Line to the NAVFAC Capital Improvements Business Line to cover the expenses of this support.
2. If the NAVFAC Capital Improvements Business Line does not receive SIOH payment on a project, they will let the NAVFAC Environmental Business Line know that they are not getting paid!

RPM Roles: Paying Construction Managers to Oversee Safety Ensure “Contr Meth” Box is Loaded as “RAC-N”

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Request Task Order

Contract# N0247008D1007 - Environmental Issue Office ML IPT NE
Remedial Action Contract (RAC V)
Acq# 1302774 Oth Tracking#
Status Active
FIS User Cd G

Title/Descript Site 30 - Startup for IRA and WIP
Project 533000 -- ERN Portsmouth Project
Business Line Environmental
Location UIC/Name N00102 -- PORTS NSYD PORTS NH (STU ONLY)

Other Linked Projects

SOW To ACQ (T) 01/15/2010 Gov Est N/A
SOW To ACQ (P) 01/15/2010 Gov Est Req
SOW To ACQ (A) 10/23/2009 Gov Est Due
*Est Amt 138000 Gov Est Rcvd
Neg (P) Award Exec (T) 03/01/2010
Neg (A) *Award Exec (P) 03/01/2010
Award Exec (A) 12/11/2009

*Activity has Funded Promise to Pay 10/01/2009

Remarks

Team Members

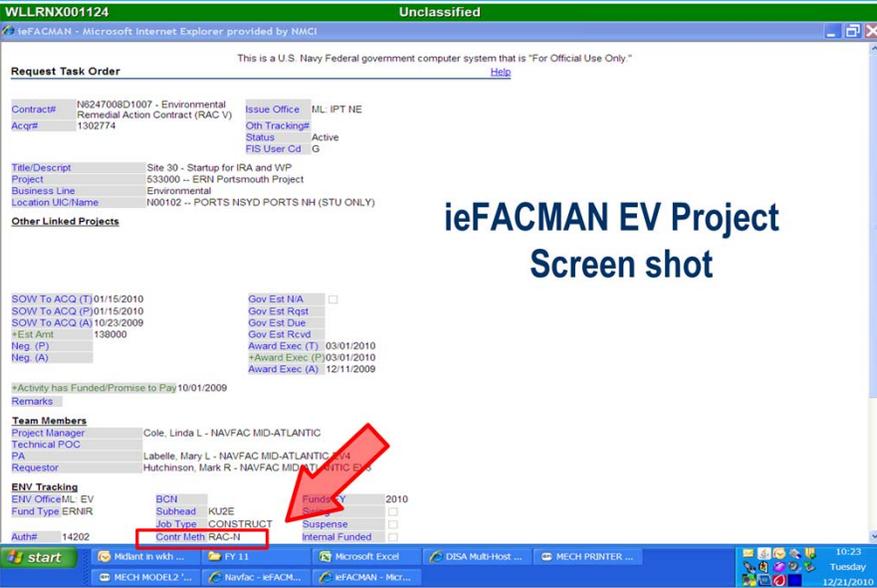
Project Manager Cole, Linda L - NAVFAC MID-ATLANTIC
Technical POC
PA Labelle, Mary L - NAVFAC MID-ATLANTIC
Requestor Hutchinson, Mark R - NAVFAC MID-ATLANTIC

ENV Tracking

ENV Office ML EV BCN Funds Y 2010
Fund Type ERNIR Subhead KUZE
Job Type CONSTRUCT Suspense
Internal Funded

Auth# 14202 Contr Meth RAC-N

26 Roles of RPMs RITS 2012: Safety Oversight – EV Construction & Service Projects



1. When the RPM first loads their EV project into ieFACMAN, the project must be indicated as “RAC-N”, or using the “RAC-1, RAC-2, RAC-3” methods in the Contract Method box.

RPM Roles: Paying Construction Managers to Oversee Safety Purpose Box Should Read “Construction”

- Purpose Box Should NOT Read “AES-Architect & Engineer Services”

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Contract Info

Contract#	N6247000D1000	#File Type	Award
Solicit#	N6247000D1000	+Proc Meth	BVSS
UNCODR		+Set-Aside	SB
OS&#		#Geographic Location	FEC & Other Areas
Purpose	AES-Architect & Engineer Services	+Product Type	Environmental
Sol Type			
Contr Type			
MAC Group ID		# Awards in Group	
MAC Master		Planned Actions Built As	

Subcontracting Plan Plan Not Required

#Kty: AQ/GQ/CH2M HILL JOINT VENTURE (00047837 - ANCHORAGE AK)

#KTR Business Scl: SB

R(a) ESB HZ SB SDB SDVOBS VOBS WOBS

#Total Contr Limit 100,000,000.00 #TO Min 0.00 #Opt Periods 4

#Per Contractor #TO Max 0.00 Option Periods

#Yearly Limit 0.00 Calc CCD fm Time Est

27 Roles of RPMs

RITS 2012: Safety Oversight – EV Construction & Service Projects

1. SIOH will NOT be sent to CI in support of FEAD oversight if the Purpose box reads “AES- Architect & Engineer Services”.
2. The Purpose box should say “Construction” for large majority of Remedial Action Contract (RAC) and Environmental Multiple Award Contract (EMAC) projects.

RPM Roles & Responsibilities (cont.)

- **In coordination with RPM, CM/PAR will conduct Pre-Construction/Pre-Performance meeting with contractor**
 - RPM and CM/PAR shall jointly ensure applicable stakeholder involvement
- **RPM and CM/PAR jointly develop the level of oversight required (3 phases of Construction Quality Control)**
 - Preparatory Phase
 - Initial Phase
 - Follow-Up Phase

1. Quality Assurance is a normal part of our contractor oversight program and focuses on the 3 Phases of work.
2. The ET/PAR at the FEAD/ROICC/PWD have the training, skill sets, and required competencies to provide these APP/SSHP reviews, whereas the RPMs do not have these competencies.
3. The RPM can elect to utilize Navy and Marine Corps Public Health Center (NMCPHC) assistance for the Site Safety and Health Plan (SSHP) review; however, the RPM is ultimately responsible for providing the final SSHP review input to the contractor.
4. Joint development of the Quality Assessment Plan (QAP) with the involvement of the CM/PAR is new. This plan assesses the amount of oversight required to properly ensure the quality of the project is met, including the actual Quality Assurance items that are assessed.
5. This is mostly on the construction-type contracts (such as RACs and EMACs and single-source construction contracts) and does not address CLEAN and other Architect & Engineer (A&E) type contracts.
6. A new Lean Six Sigma (LSS) Continuous Process Improvement (CPI) event is underway at NAVFAC to address the safety oversight needs for CLEAN and other A&E type contracts.

RPM Roles & Responsibilities (cont.)

- With the concurrence of the RPM, CM/PAR shall review and approve submittals
 - CM/ET/PAR shall review and approve Accident Prevention Plans (APP)
 - RPM shall review Work Plans and provide input to the CM/ET/PAR on the Site Safety and Health Plan (SSHP)
 - All APPs shall be reviewed by a Competent Person prior to the contractor initializing site work

Remember, the Competent Person (GDA) is the Construction Manager at the FEAD/ROICC

RPM Roles & Responsibilities (cont.)

- **Other Submittals:**

- With technical approval from the RPM, CM/ET/PAR shall review and approve field submittals
- RPM shall review and approve submittals through the work plan phase where applicable

- **The CM/ET/PAR has the training necessary to review safety documents**

FEAD/ROICC Roles and Responsibilities

- **CM/ET/FSCM/PAR shall perform Quality Assessment/Performance Assessment (QA/PA) of Contractor's Safety Program**
 - Site Safety Inspections, Mishap Investigations, Safety Data in CIRS
- **ET at the FEAD/ROICC will populate the Contractor Incident Reporting System (CIRS) database**
- **CM/FSCM will provide input to the Construction Contractor Appraisal Support System (CCASS) evaluation, with assistance from the RPM**

31 Roles of RPMs

RITS 2012: Safety Oversight – EV Construction & Service Projects

1. Other duties are required from the Construction Phase NTR during the project, including that they provide the final evaluation of the contractor's performance with input from the RPM. The RPM must assist the Construction Phase NTR with the completion of Contract and Task Order Closeout via the Construction Contract Administration Support System (CCASS) evaluation (see S-17.4.15.2 CTR PerfEval-ACASS, CCASS & SPARS).
2. The evaluation should be completed at the time of the Final Inspection and not postponed to the actual close-out of the task order because many EV task orders do not close-out for long periods following the Final Inspection due to regulatory issues and cost auditing.

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Take-Home Points

RPMs are required to:

- **Identify your Construction Manager – if in doubt, contact CI5**
 - CMs have the training and competencies to provide safety oversight on your EV projects. The Construction Manager is the RPM's teammate.
- **Ensure Competent Reviews of Safety Plans – the contractor must have an approved Accident Prevention Plan before beginning any field activities.**
- **Receive Work Plan Phase NTR Appointment Letters prior to Pre-Construction Meeting**
- **Use new Statement of Work Template for EV construction or EV services projects**
- **Ensure SIOH is provided to pay for oversight**

1. Construction Managers have the training necessary to review and approve safety plans.
2. Construction Managers must be located, introduced to the project, authorized as a Construction Phase NTR, and then given the responsibility of being the primary manager of the EV construction project from the point-in-time of the Pre-Construction Meeting until the time of the Final inspection.

References

- NAVFACINST 5100.11J, dated 11 Jan 2000
- US Army Corps of Engineers Safety and Health Requirements Manual EM 385-1-1, dated 15 Sep 2008
- 29 CFR 1910 OSHA General Industry Standards
- 29 CFR 1926 Construction Industry Standards
- UFGS 013526 Governmental Safety Requirements
- UFGS 013529.0520 Safety and Occupational Health Requirements for Design-Build
- UFGS 013529.13 Health, Safety, and Emergency Response Procedures for Contaminated Sites
- OPNAVINST 5100.23G, Section 0503
- FAR 52.236-13, Alternate I
- NAVFACINST 7820.1.J, NAVFAC SIOH Instruction