

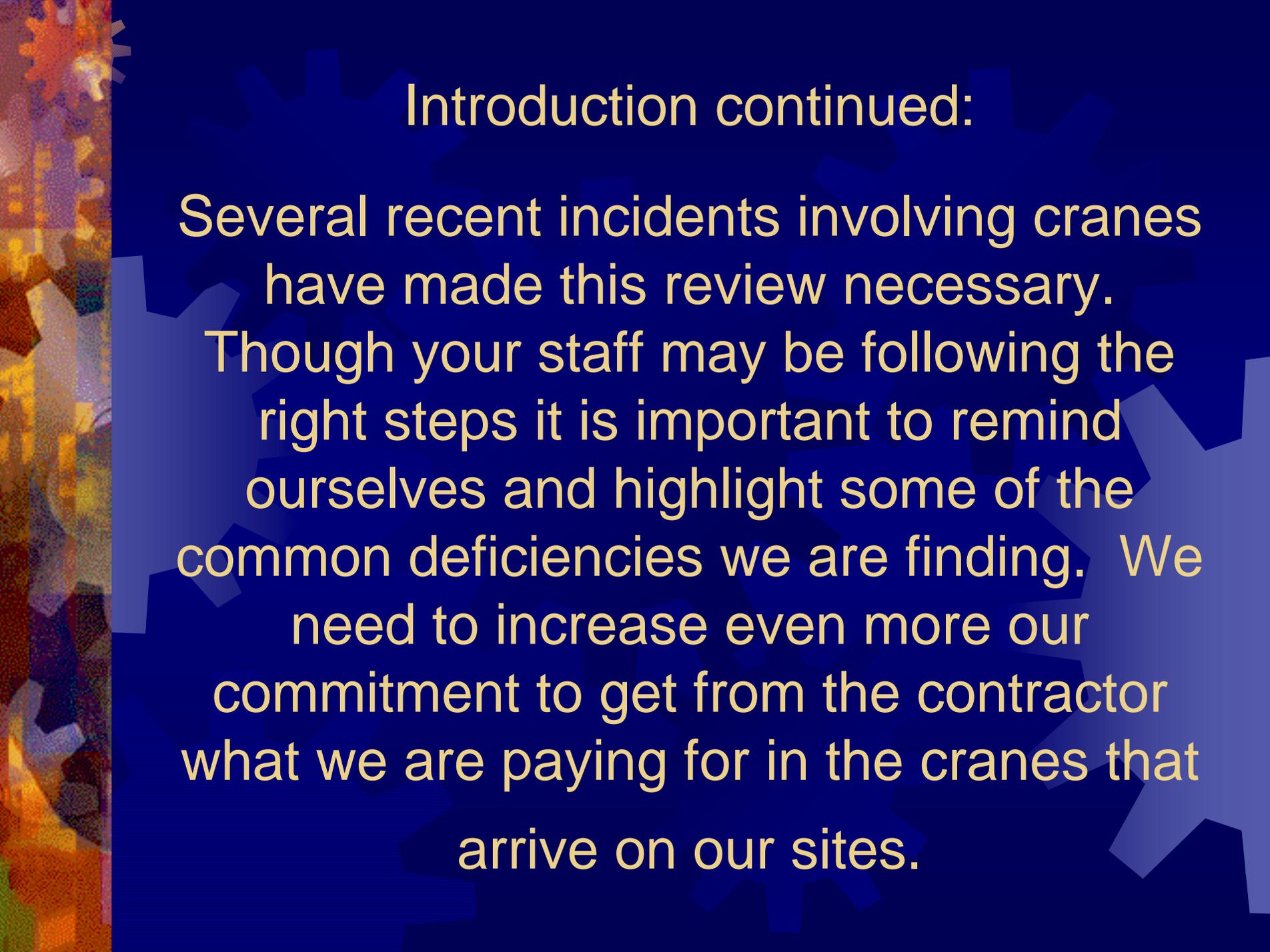


# CRANE SAFETY STAND DOWN PACKAGE

## A REVIEW IN THE STEPS FOR CRANE SURVEILLANCE

# INTRODUCTION

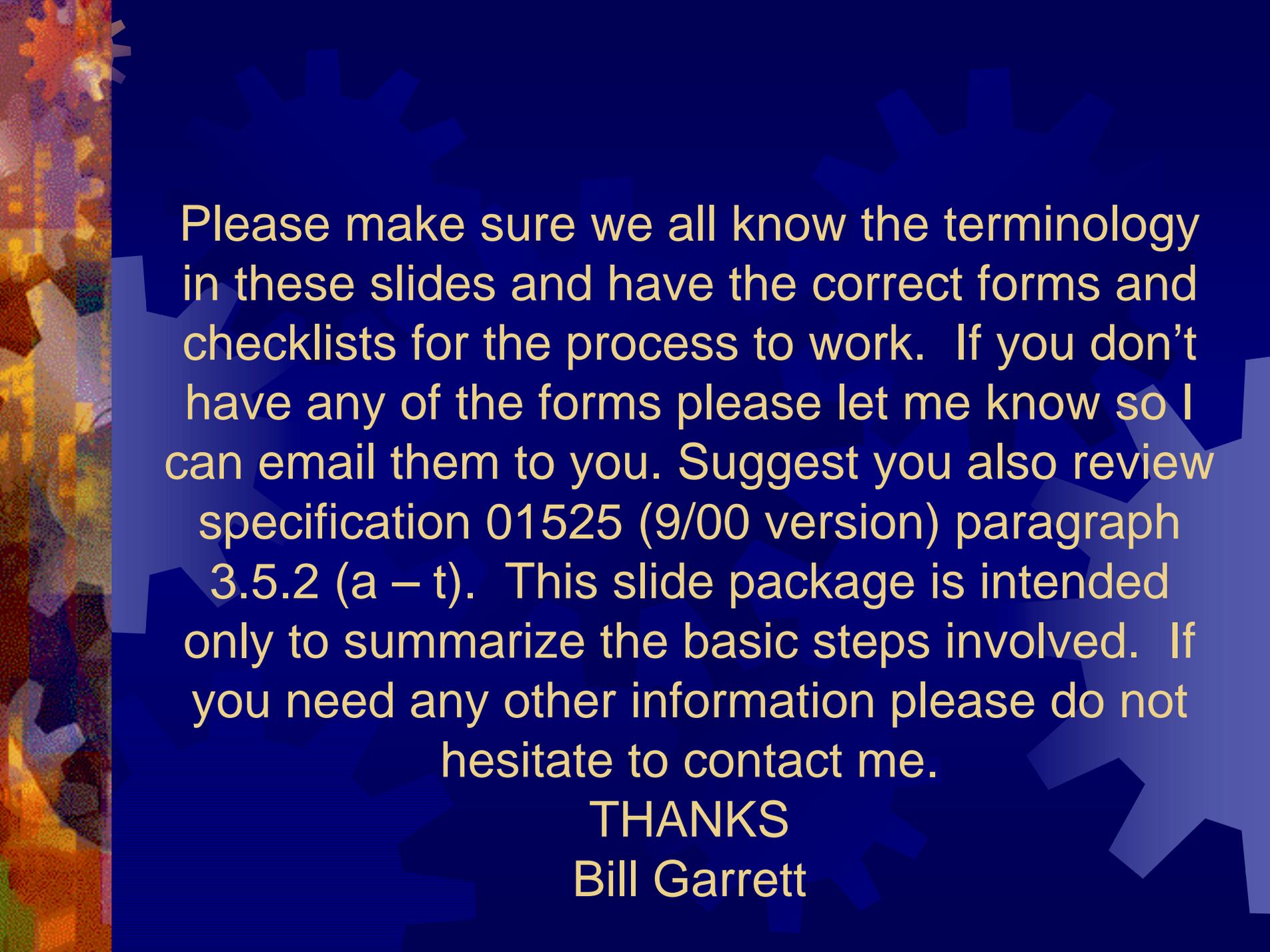
Since 1998 Atlantic Division and Components (EFA CHES, EFA NE, EFA MED, MIDLANT, & OICC NAPLES) have taken steps to standardize crane Quality Assurance (QA) procedures for contractor cranes used in conjunction with ROICC contracts. The following information is provided as a summary to review these procedures which should be ROICC standard practice

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## Introduction continued:

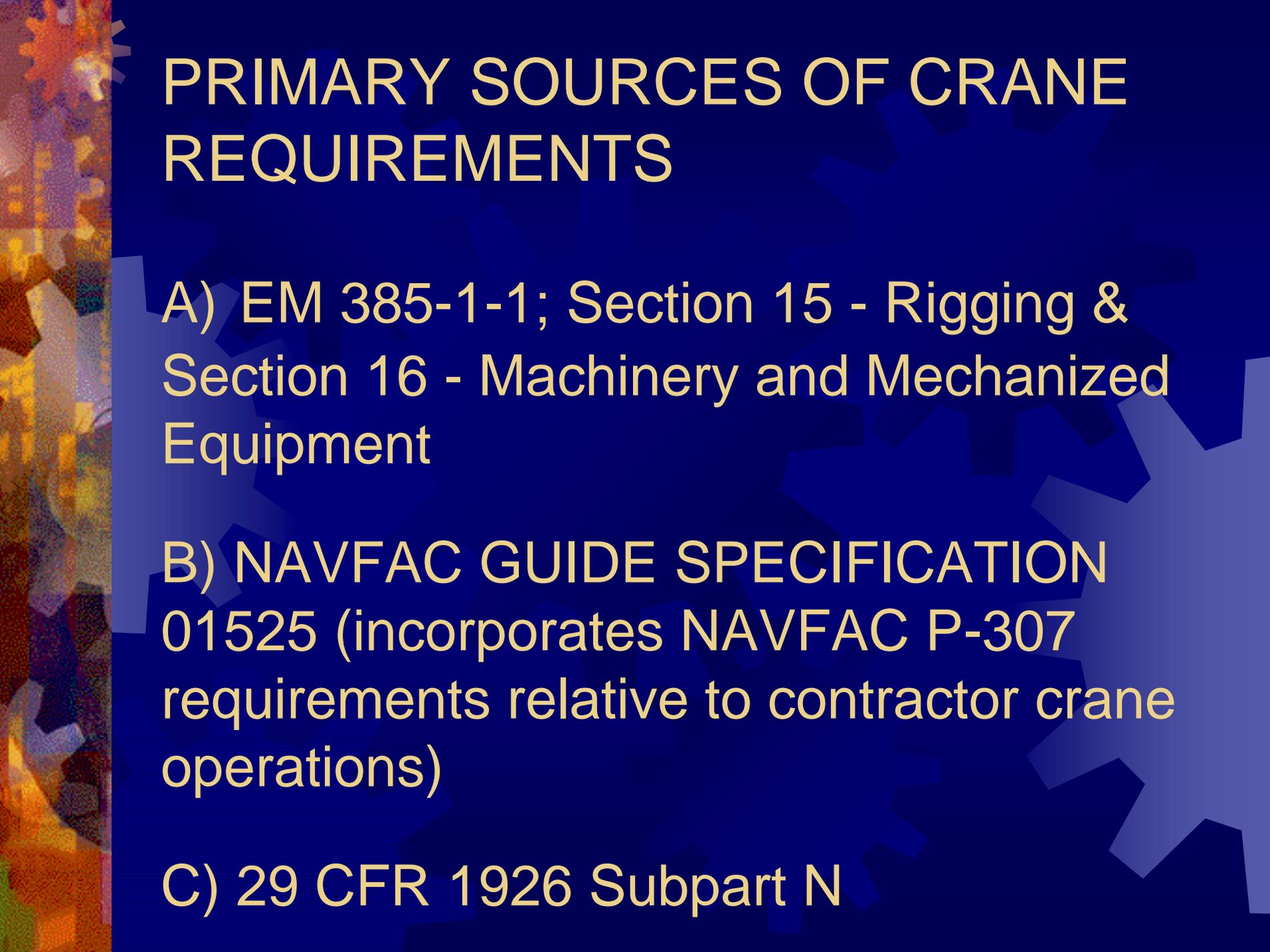
Several recent incidents involving cranes have made this review necessary.

Though your staff may be following the right steps it is important to remind ourselves and highlight some of the common deficiencies we are finding. We need to increase even more our commitment to get from the contractor what we are paying for in the cranes that arrive on our sites.



Please make sure we all know the terminology in these slides and have the correct forms and checklists for the process to work. If you don't have any of the forms please let me know so I can email them to you. Suggest you also review specification 01525 (9/00 version) paragraph 3.5.2 (a – t). This slide package is intended only to summarize the basic steps involved. If you need any other information please do not hesitate to contact me.

THANKS  
Bill Garrett



# PRIMARY SOURCES OF CRANE REQUIREMENTS

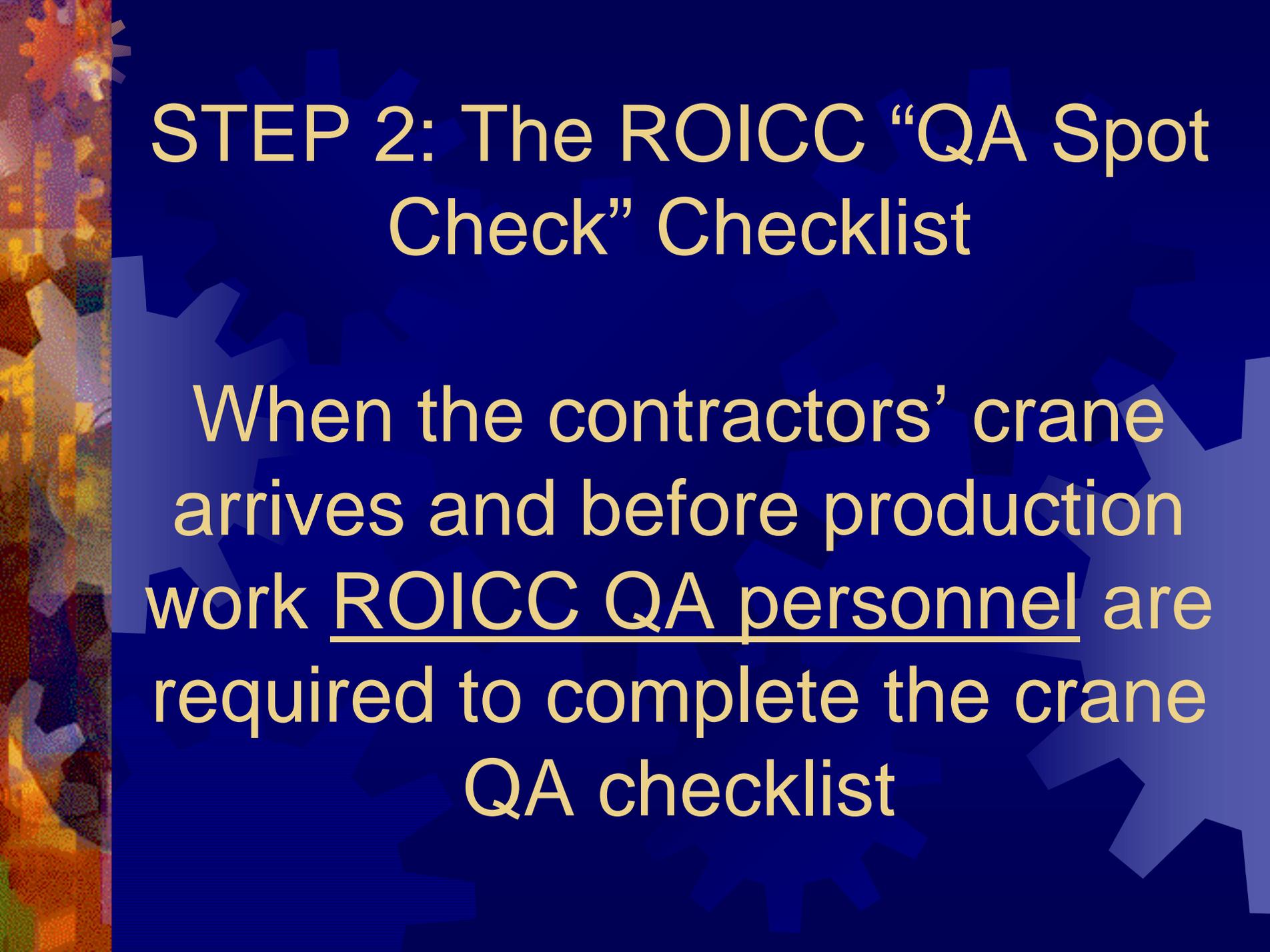
A) EM 385-1-1; Section 15 - Rigging & Section 16 - Machinery and Mechanized Equipment

B) NAVFAC GUIDE SPECIFICATION 01525 (incorporates NAVFAC P-307 requirements relative to contractor crane operations)

C) 29 CFR 1926 Subpart N

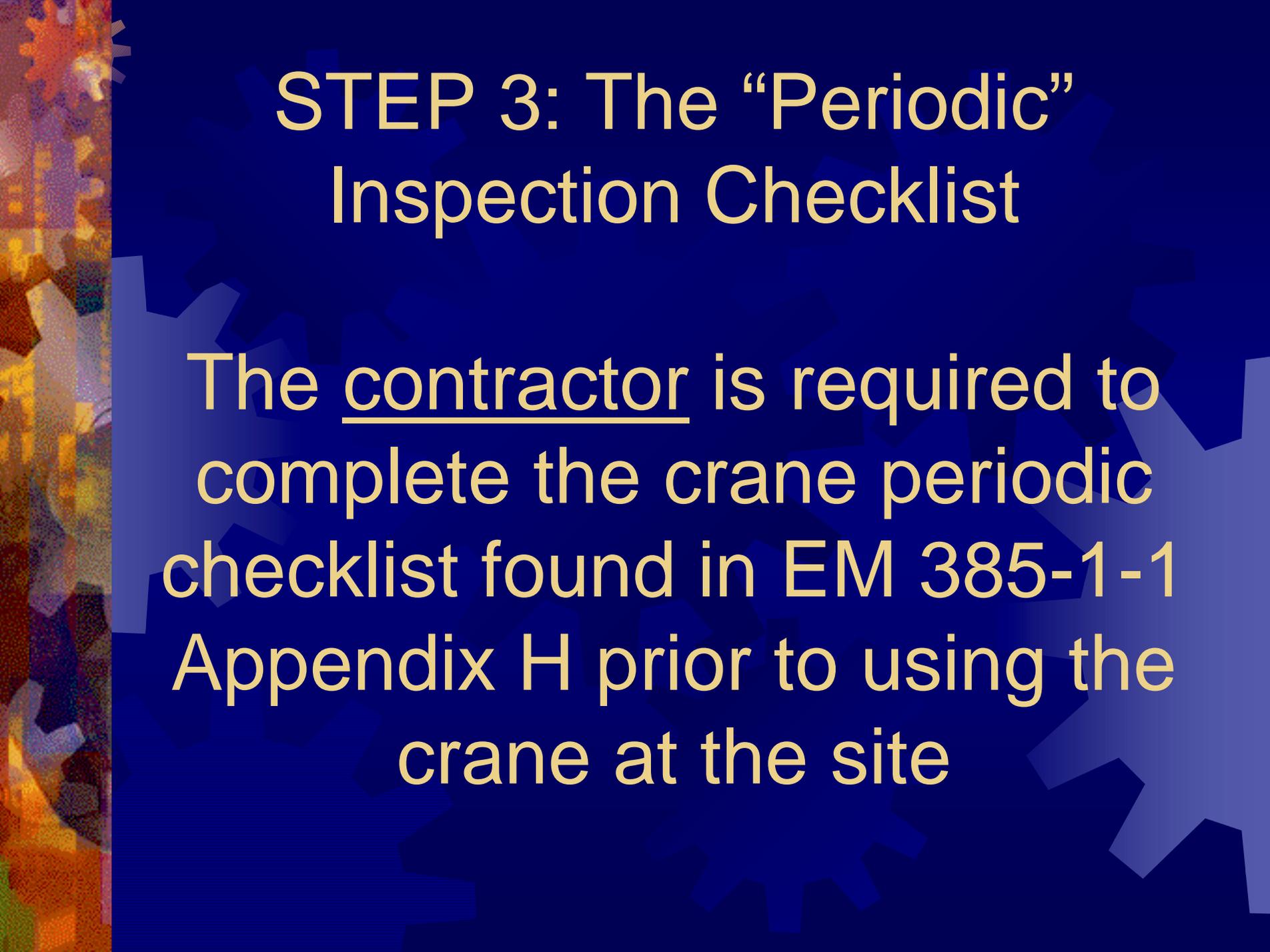
# STEP 1: NOTIFICATION

The contractor is required by contract (01525) to notify the ROICC when a crane is to be delivered to the job site so the ROICC can coordinate the site QA checks required

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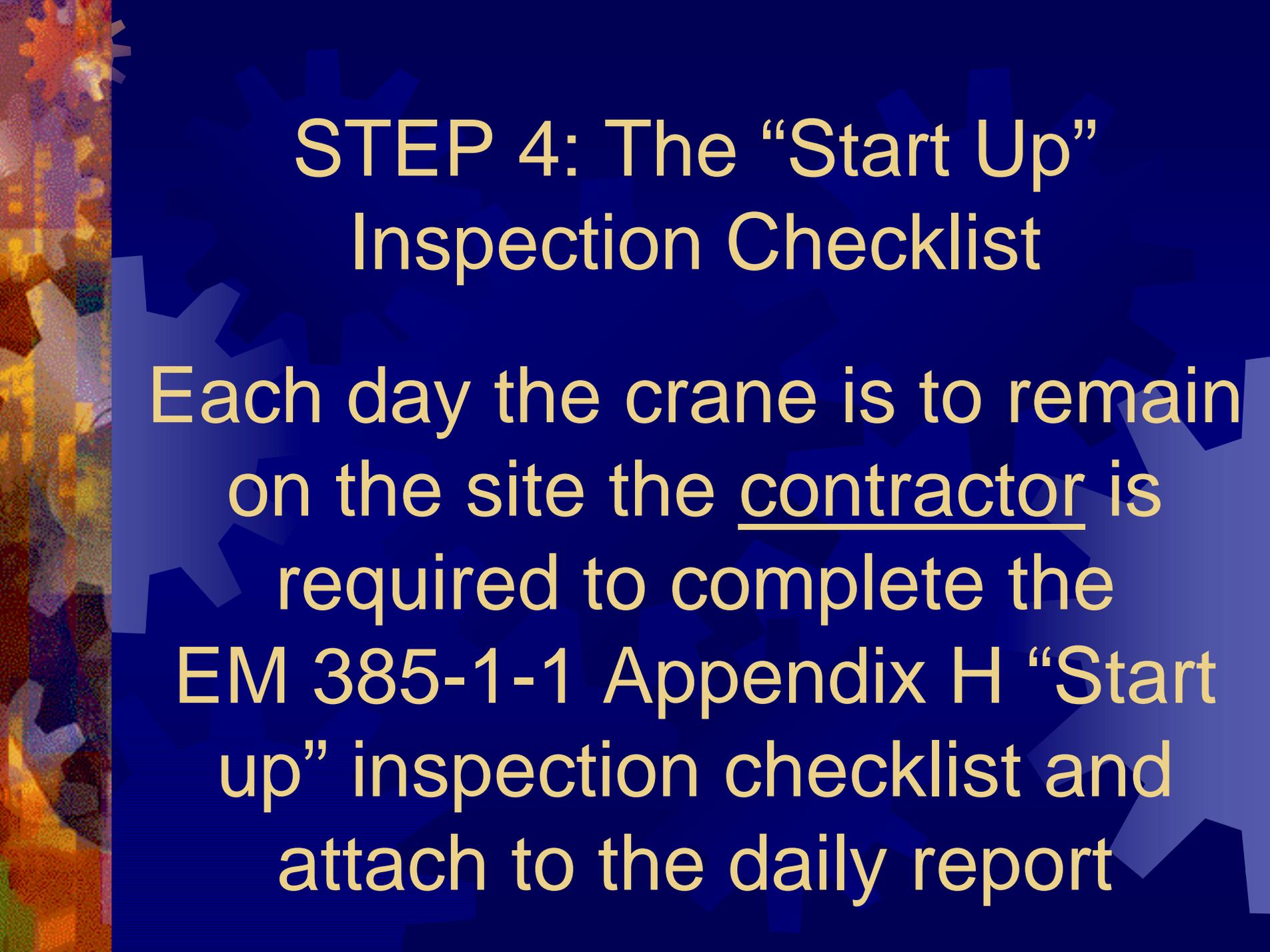
## STEP 2: The ROICC “QA Spot Check” Checklist

When the contractors’ crane arrives and before production work ROICC QA personnel are required to complete the crane QA checklist



## STEP 3: The “Periodic” Inspection Checklist

The contractor is required to complete the crane periodic checklist found in EM 385-1-1 Appendix H prior to using the crane at the site



## STEP 4: The “Start Up” Inspection Checklist

Each day the crane is to remain on the site the contractor is required to complete the EM 385-1-1 Appendix H “Start up” inspection checklist and attach to the daily report

## REPETITIVE DEFICIENCIES:

- 1) Missing load indicating device (BIG PROBLEM)
- 2) No Anti Two Block Device
- 3) Missing or not posting the Certificate of Compliance
- 4) Inadequate cribbing (Under outriggers)
- 5) Critical lift plan not provided for complex lifts
- 6) Missing OSHA certificate of inspection
- 7) Damaged slings
- 8) Damaged boom (Bent lattice or rust)

# COMMON SOURCES OF CRANE ACCIDENTS

- 1) Operator does not know the weight of the load
- 2) Operator not qualified
- 3) Contact with overhead power lines
- 4) Inadequate cribbing/footing for crane





# NAVFAC Specification Section 01525

Review requirements of  
3.5.2

Weight Handling Equipment  
a - t

# Special permits/requirements

Please note that there may be special station requirements which each ROICC must be aware of at their location. An example is a crane pier permit for cranes to be used on piers in the local Tidewater Virginia Area. Each time a crane is used on the piers in this area the loading information is provided to the station structural engineer for pier support evaluation and a permit issued. You may have others.