Objectives

Course Outcome   This course is designed to provide the trainee with the BASIC knowledge and skills to recognize and identify unsafe conditions while using rigging hardware and equipment in offshore environments. It also serves as the prerequisite for OE-003 API Rigging Trainer Development course.

Objectives   At the conclusion of this course the trainee should be able to:

1. Recognize the training requirements as identified in API RP-2D
2. Define the term "Risk Management"
3. Identify the six (6) areas of the "Basic Rigging Plan"
4. Recognize a Qualified Operator, Inspector, and Rigger as defined by API RP-2D
5. Recognize the responsibilities of the Qualified Operator, Inspector, and Rigger
6. Recognize operating practices of the Qualified Operator as defined by API RP-2D
7. Identify the safe practices required for attaching and moving the load
8. Identify the safe practices required before starting the lift and during the lifting operation
9. Describe what conditions are necessary when performing personnel transfers
10. Recognize the standard hand signals used for directing a load
11. Identify the basic concepts associated with blocks used on cranes and rigging
12. Determine the capacities of wire rope slings using the provided charts
13. List the three (3) types of rigging hitches used
14. Describe the basic components of the "rigging triangle"
15. Explain the D/d ratio as it applies to wire rope slings and connections
16. Identify unsafe rigging situations with slings and hitches
17. Calculate sling loading using the Load Multiplier and L/H method
18. Recognize the criteria for monthly, quarterly, and annual inspections for cranes
19. Recognize unacceptable conditions of slings and other rigging hardware based on applicable standards and inspection criteria
20. Recognize rigging hardware identification that does not comply with ASME B30.26
21. Recognize the correct and incorrect application of Crosby shackles, hooks, eyebolts and swivel hoist rings.
22. Recognize the correct installation procedures for wedge sockets
23. Recognize the correct installation procedures for wire rope clips

End of Objective List