

Course Length: 2 hours

Course Objective

- Provide delegates assigned to rigging duties the necessary skills to safely perform their jobs.
- Provide delegates with recommended practices and guidelines to perform safely while working with cranes.
- Delegates should be able to demonstrate these necessary skills and demonstrate knowledge to their supervisor after this refresher.

Course Design:

- Narrated e-learning modules

Successful Course Completion:

- Requires successful completion of knowledge assessment.

Course Outline

Rigging Requirements

- Qualified Rigger – API RP 2D Definition
- Rigger Responsibilities
- Manufacturer Responsibilities
- Common Rigging Problems
- Rigging Plan

Rigging Equipment

- Definition & Terminology
- Blocks & Sheaves
 - Inspection Criteria
 - Typical Block Components
- Wedge Sockets
 - Installations and Inspection
- Hooks, Latches
 - Different Types
 - Inspection Criteria
 - Proper/Improper Use
- Shackles
 - Different Types
 - Inspection Criteria
 - Proper/Improper Use
- Slings
 - Different Types
 - Inspection Criteria
 - Characteristics

- Proper/Improper Use
- Rings, Links, Swings
 - Different Types
 - Characteristics
- Turnbuckles
 - Different Types
 - Inspection Criteria
- Spreader and Equalizer Beams
- Cable Clips
- Pad eyes, Eyebolts, and Other Lifting Equipment
- Housekeeping and Storage

Rigging Technique

- 3 Basic Hitches
- Sling Configuration
- Sling Angles
- Rated Load
- Weight of a Load
- Center of Gravity
- Moving the Load
- Load Control/Taglines
- Unbinding Loads
- Pinch Points/Body Positions
- Load Stability
- Personnel Transfer
- Other Factors (Environmental/Electrical)

Rigging Safety

- Lift Planning
- Personal Protective Equipment
- Hand Signals/Communication

Reference Material / Documents

API RP 2D

M&A Safety Services training conforms to OSHA CBT Training standards and ANSI Z490.1. Criteria for Accepted Practices in Safety, Health and Environmental Training. M&A Safety Services LLC. follows all ANSI training criteria.

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