

Overview

This standard is about establishing and determining the technical and resource requirements to achieve moving, lifting, positioning and installation objectives in engineering construction.

You will need to be able to identify, technical and resource requirements to deliver the specified objectives, this will include assessing and recording supply schedules and technical requirements required to achieve the objectives whilst adhering to health and safety legislation, regulations and safe working practices.

In the context of this standard, your responsibility is to interpret and work within given specifications, selecting techniques and resources and making variations to achieve the best possible result. In some cases, you may still be expected to refer to others for final authorisation, even though you remain responsible for identifying and implementing decisions.

Who this standard is for

This standard is for riggers.

Performance criteria

You must be able to:

1. work safely at all times, complying with health, safety, environmental and other relevant legislation, regulations, guidelines and local rules or procedures
2. ensure that the **work environment**, material, equipment are suitably prepared for the work activities to be undertaken
3. interpret the specifications in relation to;
 - technical requirements
 - resource requirements
4. determine and specify technical and resource requirements to meet the objectives including:
 - resources, tools and equipment
 - skill sets and appropriately authorised personnel
 - individual roles and responsibilities
 - communication methods/techniques
 - work schedules
 - lifting equipment specifications
 - method statements
5. Assess work methods and techniques for their suitability and technical feasibility to meet work objectives
6. report and advise on the chosen technical and resource requirements, clearly stating the requirements that cannot be achieved
7. ensure agreement of the technical and resource requirements in line with company processes
8. effectively communicate the agreed technical and resource requirements to the lifting team before the lifting operations start
9. deal promptly and effectively with problems within your control and report those that have been and those that cannot be solved

Knowledge and understanding

You need to know and understand:

1. relevant legislative, regulatory and local requirements or procedures and safe working practices including your responsibilities with regards to reporting lines and procedures
2. preparation and reinstatement requirements in respect of the work area, material, and equipment, and the possible consequences of incorrect actions in these areas
3. identify technical and resource requirements from all the available information sources
4. implications of working at height
5. information obtained from work objectives in relation to:
 - resources, tools and equipment
 - skills sets and appropriately authorised personnel
 - individuals' roles and responsibilities
 - communication methods/techniques
 - work schedules
 - lifting equipment specifications
 - lift plans
 - method statements
6. the implications of various characteristics of the work environment such as confined spaces, live plant and weather
7. planning methods and techniques commonly used
8. methods of presentation technical and resource information
9. related quality control documentation procedures
10. tool, equipment and drawing control: the correct use of relevant tools, equipment and drawings and your individual responsibility for the use, care and security of those you use

Scope/range**Work environment**

Typical work environments could include:

- engineering construction sites
- controlled operations
- offshore installations
- maintenance sites
- nuclear sites
- repair sites

Work environments may be open or restricted spaces:

- at height
- confined spaces
- control rooms
- designated work areas
- explosive atmospheres
- existing plants and structures
- fabrication workshops
- in plant rooms
- inside structures, system and plant
- on access structures (scaffold)
- on open structures
- onshore and offshore installations
- shafts
- shipyards
- tunnels

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Relevant Occupations Rigger

Suite Moving Loads

Keywords Slinging; handling; raising; lowering; winches; hoists; ropes; jacks; cranes; platforms; lifting; suspending; positioning; rigging; moving; skates;
