

## Overview

This standard is about dismantling steel structures and assemblies for movement in construction.

You will need to be able to establish, and where necessary support steel structures and assemblies before using the approved dismantling methods and techniques, removing of securing devices, and remove components in the correct sequence using approved equipment, methods and techniques 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 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 steel erectors

## Dismantle steel structures and assemblies for movement

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### 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 and tools are suitably prepared for the work activities to be undertaken
3. identify the steel structures or assemblies to be removed and determine the most appropriate method of dismantling
4. establish and, where necessary, temporary support components before removal of securing devices
5. dismantle steel structures or assemblies in accordance with the instructions and specifications
6. remove the components in the correct sequence using approved equipment, methods and techniques
7. identify and report damage and defects in any reusable components
8. inform the appropriate people when dismantling is complete
9. dispose of unwanted elements in line agreed and approved procedures
10. **reinstate the work area**
11. deal promptly and effectively with problems within your control and report those that have been and those that cannot be solved

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### 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. types and application of structural elements and assemblies
4. the methods and techniques relating to the dismantling of structural steel components and assemblies
5. the methods for providing temporary support during dismantling
6. the considerations to be taken into account when dismantling elements and assemblies on operational and non-operational sites and how these impact:
  - selection of method or technique
  - size of components
  - selection of equipment
7. implications of operation on work activities
8. the implications on workplace infrastructure of dismantling activities and operations on live plant, including supplies.
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

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### 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

#### Reinstate the work area

This term could include:

- removing barriers
- maintain good housekeeping practices
- correctly disposal of waste materials in accordance with appropriate procedures
- storage of reusable materials, consumables and equipment in accordance with appropriate procedures
- completion of all necessary documentation

## Dismantle steel structures and assemblies for movement

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**Relevant Occupations** Steel Erector

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**Suite** Constructing Capital Plant Steel Structures - Erecting

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**Keywords** erecting; dispose; dismantle; remove; structural steel loads; loads; securing devices; erect; engineering; construction; lifting; lowering; handling;

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