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## Overview

This standard is about the dismantling of steel structure fabrications in engineering construction.

You will need to be able to ensure that the systems are in a safe condition for work activities before removing. Once removed you must be able to check the condition of the components, identify and record, where required, those that will require replacing whilst adhering to health, safety and environmental 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 as needed to achieve the best possible result. In some cases, you may still be required to refer to others for final authorisation, even though you remain responsible for identifying and implementing decisions.

This standard is for  
This standard is for Platers.

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## Performance criteria

### You must be able to:

1. work safely at all times, comply with health and safety and other relevant legislation, regulations, guidelines and local rules or procedures 2. ensure that the work environment, material and equipment are suitably prepared for the activities to be undertaken 3. follow the relevant engineering drawings, specifications and quality standards 4. establish what is being dismantled and mark steel structure fabrications for reassembly 5. ensure isolations and disconnections are in line with procedures 6. ensure that any stored energy or substances are released safely and correctly in accordance with health, safety and environmental requirements 7. ensure appropriate temporary support systems are put in place for the task in hand 8. dismantle steel structure fabrications, as specified, using the correct tools, equipment and techniques 9. take precautions to ensure the steel structure fabrications are protected from the environment and potential damage 10. determine the condition of the removed components against specification: 1. identify and record any that need replacing 2. dispose of any that are now redundant 3. correctly record, label and store those for reuse 11. reinstate the work area 12. 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, components removed, material, and equipment, and the possible consequences of incorrect actions in these areas
3. relevant engineering drawings, related specifications and quality standards
4. how to ensure any stored energy or substances are controlled and discharged safely in accordance with health, safety and environmental requirements
5. methods and techniques for dismantling steel structure fabrications including:
  1. how to ensure relevant engineering support systems are put in place
  2. component removal and dismantling
6. how to check the condition of the removed pipework found and what to do if defects are found
7. how to label and store steel structure fabrications components for reuse
8. techniques for foreign material exclusion and the importance of this
9. the correct disposal of waste, redundant and obsolete equipment
10. reporting documentation and control procedures
11. tool and equipment control: the correct use of relevant tools and equipment and your individual responsibility for the use, care and security of those you use

Dismantle components of steel structure fabrications to meet specification

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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
- controlled operational and offshore installations
- 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:

- returning the work area to a safe condition
- removal of barriers
- sweeping up
- correctly disposing of waste materials
- storing of re-usable materials, consumables and equipment in accordance with appropriate procedures
- completing all necessary documentation

ECIFSS07

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Developed by	ECITB
Version Number	2
Date Approved	14 Dec 2020
Indicative Review Date	14 Dec 2024
Validity	Current
Status	Original
Originating Organisation	Engineering Construction Industry Training Board
Original URN	ECIFSS07
Relevant Occupations	Plater
Suite	Fabricating Steel Structures (Plating)
Keywords	plating; engineering drawings; specifications; tools; engineering; construction; plating; Installing plating components, steel structures; fabrication