ECICCPSS06

Check the steel structure and assemblies are installed to specification

Overview

This standard is about checking that the steel structure and assemblies are installed to specification in engineering construction.

You will need to be able to carry out checks in an appropriate sequence using approved methods and procedures 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 and 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 and equipment are suitably prepared for the work activities to be undertaken
3. interpret and follow the appropriate specification for the steel structure and assembly being checked
4. use the correct tools and inspection equipment and check they are in a usable condition
5. carry out compliance checks in the correct sequence using approved methods and procedures
6. identify, assess and report defects or variations from the specification and take appropriate action
7. report completion of compliance activities in line with organisational procedures
8. **reinstate the work area**
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 used and the possible consequences of incorrect actions in these areas
3. compliance checking methods and techniques
4. how to identify defects, and how to rectify them quality control systems and documentation procedures in relation to post installation inspection
5. 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

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

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