

Development Pack National Occupational Standards

for

Accessing Operations and Rigging

Rigging:

**Suspended Access Equipment –
Permanent Suspended Access
Temporary Suspended Access**

Safety Net Rigging

Project 2019 / 2020

**COSVR248, COSVR252, COSVR254, COSVR255, COSVR259,
COSVR260, COSVR261, COSVR405, COSVR411, COSVR413**

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COSVR248

Erect and dismantle mobile and static scaffold towers



Overview

This standard is about

- 1 interpreting information
- 2 adopting safe and healthy working practices
- 3 selecting materials, components and equipment
- 4 preparing, erecting and dismantling mobile and static scaffold towers

COSVR248

Erect and dismantle mobile and static scaffold towers

Performance criteria

- You must be able to:*
- P1 interpret the given information relating to the work and resources to confirm its relevance
 - P2 comply with the given, relevant legislation and official guidance to carry out your work and maintain safe work practices
 - P3 select the required quantity and quality of resources for the methods of work
 - P4 comply with organisational procedures to minimise the risk of damage to the work and surrounding area
 - P5 comply with the given contract information to carry out the work efficiently to the required specification
 - P6 complete the work within the allocated time, in accordance with the programme of work

COSVR248

Erect and dismantle mobile and static scaffold towers

Knowledge and understanding

You need to know and understand:

Performance Criteria 1

Interpretation of information

- K1 the organisational procedures developed to report and rectify inappropriate **information** and unsuitable **resources**, and how they are implemented
- K2 the types of **information**, their source and how they are interpreted
- K3 the organisational procedures to solve **problems** with the **information** and why it is important they are followed

Performance Criteria 2

Safe work practices

You need to know and understand:

- K4 the level of understanding operatives must have of **information** for relevant, current **legislation and official guidance** and how it is applied
- K5 how **emergencies** should be responded to and who should respond
- K6 the organisational **security procedures** for tools, equipment and personal belongings
- K7 what the accident reporting procedures are and who is responsible for making the report
- K8 why, when and how **personal protective equipment (PPE)** should be used

Performance Criteria 3

Selection of resources

You need to know and understand:

- K9 the characteristics, quality, uses, limitations and defects associated with the **resources** and how defects should be rectified
- K10 how the **resources** should be used and how any **problems** associated with the **resources** are reported
- K11 the organisational procedures to select **resources**, why they have been developed and how they are used
- K12 the **hazards** associated with the **resources** and **methods of work** and how they are overcome

Performance Criteria 4

Minimise the risk of damage

You need to know and understand:

- K13 how to **protect work** from damage and the purpose of protection
- K14 why **disposal of waste** should be carried out safely and how it is achieved

COSVR248

Erect and dismantle mobile and static scaffold towers

You need to know and understand:

Performance Criteria 5

Meet the contract specification

- K15 how **methods of work**, to meet the specification, are carried out and **problems** reported
- K16 how **maintenance** of tools and equipment is carried out

Performance Criteria 6

Allocated time

You need to know and understand:

- K17 what the **programme** is for the work to be carried out in the estimated, allocated time and why deadlines should be kept

COSVR248

Erect and dismantle mobile and static scaffold towers

Additional Information

Scope/range related to performance criteria

Performance Criteria 1

- 1 interpretation of plans, drawings and sketches, method statements, risk assessments, specifications, schedules and manufacturers' information related to the work to be carried out

Performance Criteria 2

- 2 avoidance of risk by following the given information relating to the following
 - 2.1 methods of work
 - 2.2 safe use of personal protective equipment (PPE)
 - 2.3 safe use of access equipment
 - 2.4 safe use and storage of materials, tools and equipment

Performance Criteria 3

- 3 selection of resources associated with own work
 - 3.1 materials, components, fixings/anchors and ties
 - 3.2 tools and equipment
 - 3.3 access equipment

Performance Criteria 4

- 4 protection of the work and its surrounding area from damage
- 5 minimise damage and maintain a clean work space
- 6 disposal of waste in accordance with legislation

Performance Criteria 5

- 7 demonstration of work skills to measure, set out, assemble, fix, position, secure and remove
- 8 use and maintain hand tools, ancillary equipment and access equipment
- 9 erect and dismantle mobile and static scaffold towers to given working instructions using either of the following materials and component make-up
 - 9.1 tube and fitting
 - 9.2 systems scaffold.

Performance Criteria 6

- 10 completion of own work within the estimated, allocated time to meet the needs of other occupations and/or client

COSVR248

Erect and dismantle mobile and static scaffold towers

Scope/range related to knowledge and understanding

Disposal of waste

- 1 environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance

Emergencies

- 2 operative's response to situations in accordance with organisational authorisation and personal skills when involved with
 - 2.1 fires, spillages, injuries
 - 2.2 emergencies relating to occupational activities

Hazards

- 3 those identified by risk assessment, method of work, manufacturers' technical information, statutory regulations and official guidance

Information

- 4 plans, drawings and sketches, specifications, schedules, method statements, risk assessments, manufacturers' information and regulations and official guidance associated with scaffolding work

Legislation and official guidance

- 5 this relates to the operative's responsibilities regarding potential accidents and health hazards whilst working in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting

Maintenance

- 6 operative care of hand tools, ancillary equipment and access equipment

COSVR248

Erect and dismantle mobile and static scaffold towers

Methods of work

- 7 application of knowledge for safe work practices, procedures and skills, relating to the method/area of work and materials used, to
 - 7.1 confirm the area to erect the scaffold tower
 - 7.2 confirm that the stability of the foundation/structure on which the scaffold tower (mobile and static) will be erected and secured has been considered
 - 7.3 confirm the materials and component make-up (tube and fitting, systems scaffold)
 - 7.4 set out and prepare for the scaffold structure
 - 7.5 identify base and height ratio's
 - 7.6 employ outriggers
 - 7.7 install and test anchors and ties
 - 7.8 erect scaffold towers for support and access
 - 7.9 erect and secure the scaffold for the use of other occupations
 - 7.10 move mobile scaffold towers
 - 7.11 erect designed and un-designed scaffold towers (limitations and formula)
 - 7.12 dismantle and remove scaffold tower
 - 7.13 visually inspect fall protection equipment
 - 7.14 use hand tools, and ancillary equipment
 - 7.15 work at height
 - 7.16 use access equipment
- 8 team work and communication
- 9 needs of other occupations associated with erecting and dismantling mobile and static scaffold towers

Personal protective equipment (PPE)

- 10 occupational use, types, purpose of each type and work situations

Problems

- 11 those arising from information, resources and methods of work
 - 11.1 own authority to rectify
 - 11.2 organisational reporting procedures

Programme

- 12 types of progress charts, timetables and estimated times
- 13 organisational procedures for reporting circumstances which will affect the work programme

Protect work

- 14 protect work against damage from general workplace activities, other occupations and adverse weather conditions

COSVR248

Erect and dismantle mobile and static scaffold towers

Resources

- 15 materials, components and equipment relating to types, quantity, quality, sizes and sustainability of standard and/or specialist
 - 15.1 tube and fitting
 - 15.2 systems scaffold
 - 15.3 associated materials (props, ropes, anchors, ties, boards, plates, beams, ladders, proprietary components etc.)
 - 15.4 hand and/or powered tools and equipment
- 16 methods of calculating quantity, length and area associated with the method/procedure to erect and dismantle mobile and static scaffold towers

Security procedures

- 17 site, workplace, company and operative

COSVR248

Erect and dismantle mobile and static scaffold towers

Developed by ConstructionSkills

Version number 2

Date approved January 2010

Indicative review date April 2014

Validity Current

Status Original

Originating organisation ConstructionSkills

Original URN VR248

Relevant occupations Scaffolders, Stagers and Riggers

Suite Accessing Operations and Rigging (Construction)

Key words Scaffold; Towers; Erecting; Boards; Ladders; Tube and fitting; Dismantling; Mobile; Static

COSVR252

Utilise provision of fall protection systems



Overview

This standard is about

- 1 interpreting information
- 2 adopting safe and healthy working practices
- 3 selecting materials, components and equipment
- 4 preparing and utilising provision of fall protection systems

COSVR252

Utilise provision of fall protection systems

Performance criteria

You must be able to:

- P1 interpret the given information relating to the work and resources to confirm its relevance
- P2 comply with the given, relevant legislation and official guidance to carry out your work and maintain safe work practices
- P3 select the required quantity and quality of resources for the methods of work
- P4 comply with organisational procedures to minimise the risk of damage to the work and surrounding area
- P5 comply with the given contract information to carry out the work efficiently to the required specification
- P6 complete the work within the allocated time, in accordance with the programme of work

COSVR252

Utilise provision of fall protection systems

Knowledge and understanding

You need to know and understand:

Performance Criteria 1

Interpretation of information

- K1 the organisational procedures developed to report and rectify inappropriate **information** and unsuitable **resources**, and how they are implemented
- K2 the types of **information**, their source and how they are interpreted
- K3 the organisational procedures to solve **problems** with the **information** and why it is important they are followed

Performance Criteria 2

Safe work practices

You need to know and understand:

- K4 the level of understanding operatives must have of **information** for relevant, current **legislation and official guidance** and how it is applied
- K5 how **emergencies** should be responded to and who should respond
- K6 the organisational **security procedures** for tools, equipment and personal belongings
- K7 what the accident reporting procedures are and who is responsible for making the report
- K8 why, when and how **personal protective equipment (PPE)** should be used

Performance Criteria 3

Selection of resources

You need to know and understand:

- K9 the characteristics, quality, uses, sustainability, limitations and defects associated with the **resources** and how defects should be rectified
- K10 how the **resources** should be used and how any **problems** associated with the **resources** are reported
- K11 the organisational procedures to select **resources**, why they have been developed and how they are used
- K12 the **hazards** associated with the **resources** and **methods of work** and how they are overcome

COSVR252

Utilise provision of fall protection systems

Performance Criteria 4

Minimise the risk of damage

You need to know and understand:

K13 how to **protect work** from damage and the purpose of protection

K14 why **disposal of waste** should be carried out safely and how it is achieved

Performance Criteria 5

Meet the contract specification

You need to know and understand:

K15 how **methods of work**, to meet the specification, are carried out and **problems** reported

K16 how **maintenance** of tools and equipment is carried out

Performance Criteria 6

Allocated time

You need to know and understand:

K17 what the **programme** is for the work to be carried out in the estimated, allocated time and why deadlines should be kept

Additional Information

Scope/range related to performance criteria

Performance Criteria 1

- 1 interpretation of drawings, specifications, schedules, method statements, risk assessments and manufacturers' information related to the work to be carried out

Performance Criteria 2

- 2 avoidance of risk by complying with the given information relating to the following
 - 2.1 methods of work
 - 2.2 safe use of personal protective equipment (PPE)
 - 2.3 safe use of access equipment
 - 2.4 safe use and storage of materials, tools and equipment

Performance Criteria 3

- 3 selection of resources associated with own work
 - 3.1 materials and components
 - 3.2 tools and equipment

Performance Criteria 4

- 4 protection of the work and its surrounding area from damage
- 5 minimise damage and maintain a clean work space
- 6 disposal of waste in accordance with current legislation

Performance Criteria 5

- 7 demonstration of work skills to wear, attach, set out, position, secure, check and remove
- 8 use and maintain hand tools and fall protection systems and equipment
- 9 employ and utilise fall protection systems and/or equipment to given working instructions, using recognised anchor points, for at least two of the following
 - 9.1 scaffold/rigging
 - 9.2 secured steelwork structures
 - 9.3 wire and rope systems
 - 9.4 permanently installed anchorage points
 - 9.5 temporary anchorage points
 - 9.6 track systems
 - 9.7 proprietary systems

Performance Criteria 6

- 10 completion of own work within the estimated, allocated time to meet the needs of other occupations and/or client

Scope/range related to knowledge and understanding

Disposal of waste

- 1 environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance

Emergencies

- 2 operative's response to situations in accordance with organisational authorisation and personal skills when involved with
 - 2.1 fires, spillages, injuries
 - 2.2 emergencies relating to occupational activities

Hazards

- 3 those identified by risk assessment, method of work, manufacturers' technical information, statutory regulations and official guidance

Information

- 4 drawings, specifications, schedules, method statements, risk assessments, manufacturers' information, regulations and official guidance associated with the provision of fall protection systems

Legislation and official guidance

- 5 this relates to the operative's responsibilities regarding potential accidents and health hazards whilst working in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting

Maintenance

- 6 operative care of hand tools and fall protection systems and equipment

COSVR252

Utilise provision of fall protection systems

Methods of work

- 7 application of knowledge for safe work practices, procedures and skills relating to the method/area of work and materials used to:
 - 7.1 locate and position fall protection systems
 - 7.2 wear safety harnesses, attach and secure to fall protection system's equipment
 - 7.3 identify the differences between, fall arrest, restraint and access systems and harnesses
 - 7.4 identify the differences between shock absorbent and restraining lanyards
 - 7.5 visually inspect the fall protection system and equipment for security, safety and operational movement
 - 7.6 identify the thorough examination and test criteria for fall protection equipment (inertia reels, eyebolts and anchor points)
 - 7.7 apply hierarchy of control measures for working at height
 - 7.8 detach and remove fall protection attire and equipment
 - 7.9 comply with a rescue plan
 - 7.10 use hand tools
 - 7.11 use access equipment
- 8 team work and communication
- 9 needs of other occupations associated with utilising provision of fall protection systems

Personal protective equipment (PPE)

- 10 occupational use, types, purpose of each type and work situations

Problems

- 11 those arising from information, resources and methods of work
 - 11.1 own authority to rectify
 - 11.2 organisational reporting procedures

Programme

- 12 types of progress charts, timetables and estimated times
- 13 organisational procedures for reporting circumstances which will affect the work programme

Protect work

- 14 protect work against damage from general workplace activities, other occupations and adverse weather conditions

COSVR252

Utilise provision of fall protection systems

Resources

15 materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist:

15.1 collective protective equipment

15.2 full body harness

15.3 lanyard with and without shock absorber

15.4 associated hooks, rings and buckles

15.5 tools and equipment

16 methods of calculating quantity associated with the method/procedure to utilise provision for fall protection

Security procedures

17 site, workplace, company and operative

COSVR252

Utilise provision of fall protection systems

Developed by ConstructionSkills

Version number 2

Date approved January 2010

Indicative review date April 2014

Validity Current

Status Original

Originating organisation ConstructionSkills

Original URN VR252

Relevant occupations Scaffolders, Stagers and Riggers; Construction and Building Trades; Engineering Technicians

Suite Accessing Operations and Rigging (Construction); Roofing Occupations (Construction)

Key words Fall protection; Scaffold; Rigging; Wire and rope; Safety-harness; Lanyard; Rings and buckles; Anchorage-points

Overview

This standard is about

- 5 interpreting information
- 6 adopting safe and healthy working practices
- 7 selecting materials, components and equipment
- 8 preparing, positioning, securing and removing specialist access equipment (ladders, tower scaffolds and suspended platforms)

COSVR254

Erect and remove specialist access equipment

Performance criteria

You must be able to:

- P7 interpret the given information relating to the work and resources to confirm its relevance
- P8 comply with the given, relevant legislation and official guidance to carry out your work and maintain safe work practices
- P9 select the required quantity and quality of resources for the methods of work
- P10 comply with organisational procedures to minimise the risk of damage to the work and surrounding area
- P11 comply with the given contract information to carry out the work efficiently to the required specification
- P12 complete the work within the allocated time, in accordance with the programme of work

Erect and remove specialist access equipment

Knowledge and understanding

You need to know and understand:

Performance Criteria 1

Interpretation of information

- K18 the organisational procedures developed to report and rectify inappropriate **information** and unsuitable **resources**, and how they are implemented
- K19 the types of **information**, their source and how they are interpreted
- K20 the organisational procedures to solve **problems** with the **information** and why it is important they are followed

Performance Criteria 2

Safe work practices

You need to know and understand:

- K21 the level of understanding operatives must have of **information** for relevant, current **legislation and official guidance** and how it is applied
- K22 how **emergencies** should be responded to and who should respond
- K23 the organisational **security procedures** for tools, equipment and personal belongings
- K24 what the accident reporting procedures are and who is responsible for making the report
- K25 why, when and how **personal protective equipment (PPE)** should be used

Performance Criteria 3

Selection of resources

You need to know and understand:

- K26 the characteristics, quality, uses, sustainability, limitations and defects associated with the **resources** and how defects should be rectified
- K27 how the **resources** should be used and how any **problems** associated with the **resources** are reported
- K28 the organisational procedures to select **resources**, why they have been developed and how they are used
- K29 the **hazards** associated with the **resources** and **methods of work** and how they are overcome

COSVR254

Erect and remove specialist access equipment

Performance Criteria 4

Minimise the risk of damage

You need to know and understand:

K30 how to **protect work** from damage and the purpose of protection

K31 why **disposal of waste** should be carried out safely and how it is achieved

Performance Criteria 5

Meet the contract specification

You need to know and understand:

K32 how **methods of work**, to meet the specification, are carried out and **problems** reported

K33 how **maintenance** of tools and equipment is carried out

Performance Criteria 6

Allocated time

You need to know and understand:

K34 what the **programme** is for the work to be carried out in the estimated, allocated time and why deadlines should be kept

Erect and remove specialist access equipment

Additional Information

Scope/range related to performance criteria

Performance Criteria 1

11 interpretation of drawings, specifications, schedules, method statements, risk assessments and manufacturers' information related to the work to be carried out

Performance Criteria 2

12 avoidance of risk by complying with the given information relating to the following

12.1 methods of work

12.2 safe use of personal protective equipment (PPE)

12.3 safe use of access equipment

12.4 safe use and storage of materials, tools and equipment

Performance Criteria 3

13 selection of resources associated with own work

13.1 materials, components, fixings/anchors and ties

13.2 tools and equipment

Performance Criteria 4

14 protection of the work and its surrounding area from damage

15 minimise damage and maintain a clean work space

16 disposal of waste in accordance with current legislation

Performance Criteria 5

17 demonstration of work skills to measure, set out, position, assemble, fix, check, secure, dismantle and remove

18 use and maintain hand tools and ancillary equipment

19 erect and remove specialist equipment for accessing to given working instructions for at least one of the following occupational areas and its access equipment

19.1 steeplejacking: vertical ladders and roof ladders

19.2 lightning conductor engineering: roof ladders, tower scaffolds and crawler boards

19.3 rigging – suspended access equipment: suspended platforms

19.4 rigging – structures used in entertainment: vertical ladders, rope ladders and crawler boards

Performance Criteria 6

20 completion of own work within the estimated, allocated time to meet the needs of other occupations and/or client

**Scope/range
related to
knowledge and
understanding**

Disposal of waste

18 environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance

Emergencies

19 operative's response to situations in accordance with organisational authorisation and personal skills when involved with

19.1 fires, spillages, injuries

19.2 emergencies relating to occupational activities

Hazards

20 those identified by risk assessment, method of work, manufacturers' technical information, statutory regulations and official guidance

Information

21 drawings, specifications, schedules, method statements, risk assessments, manufacturers' information, regulations and official guidance associated with accessing work

Legislation and official guidance

22 this relates to the operative's responsibilities regarding potential accidents and health hazards whilst working in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting

Maintenance

23 operative care of hand tools and ancillary equipment

Erect and remove specialist access equipment

Methods of work

- 24 application of knowledge for safe and healthy work practices, procedures and skills relating to the method/area of work and materials used to:
 - 24.1 identify the occupational environment
 - 24.2 confirm the type of access equipment (vertical ladders, roof ladders, crawler boards, rope ladders, cradles, bosun's seats, metal sections and suspended platforms)
 - 24.3 check and prepare to erect specialist access equipment
 - 24.4 position, erect and secure the equipment
 - 24.5 dismantle and remove the equipment
 - 24.6 install and test anchors and ties
 - 24.7 identify the inspection criteria for completed specialist access equipment
 - 24.8 visually inspect fall protection equipment
 - 24.9 use hand tools and ancillary equipment
 - 24.10 work at height
 - 24.11 use access equipment
- 25 team work and communication
- 26 needs of other occupations associated with erecting and removing specialised access equipment

Personal protective equipment (PPE)

- 27 occupational use, types, purpose of each type and work situations

Problems

- 28 those arising from information, resources and methods of work
 - 28.1 own authority to rectify
 - 28.2 organisational reporting procedures

Programme

- 29 types of progress charts, timetables and estimated times
- 30 organisational procedures for reporting circumstances which will affect the work programme

Protect work

- 31 protect work against damage from general workplace activities, other occupations and adverse weather conditions

COSVR254

Erect and remove specialist access equipment

Resources

32 materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist:

32.1 vertical ladders

32.2 roof ladders

32.3 crawler boards

32.4 rope ladders

32.5 cradles

32.6 bosun's seats

32.7 decking frames

32.8 associated securing materials (rope, lashings, clamps, anchors, ties)

32.9 hand tools and ancillary equipment

33 methods of calculating quantity and length associated with the method/procedure to erect and remove specialist access equipment

Security procedures

34 site, workplace, company and operative

COSVR254

Erect and remove specialist access equipment

Developed by	ConstructionSkills
Version number	3
Date approved	March 2012
Indicative review date	March 2017
Validity	Current
Status	Original
Originating organisation	ConstructionSkills
Original URN	VR254
Relevant occupations	Scaffolders, Stagers and Riggers
Suite	Accessing Operations and Rigging (Construction)
Key words	Access; Platforms; Ladders; Rigging; Steeplejacking; Rope-ladders; Lashing

COSVR255

Install temporary lifting and suspension apparatus



Overview

This standard is about

- 1 interpreting information
- 2 adopting safe and healthy working practices
- 3 selecting materials, components and equipment
- 4 preparing, installing and removing temporary lifting and suspension apparatus

COSVR255

Install temporary lifting and suspension apparatus

Performance criteria

You must be able to:

- P1 interpret the given information relating to the work and resources to confirm its relevance
- P2 comply with the given, relevant legislation and official guidance to carry out your work and maintain safe work practices
- P3 select the required quantity and quality of resources for the methods of work
- P4 comply with organisational procedures to minimise the risk of damage to the work and surrounding area
- P5 comply with the given contract information to carry out the work efficiently to the required specification
- P6 complete the work within the allocated time, in accordance with the programme of work

COSVR255

Install temporary lifting and suspension apparatus

Knowledge and understanding

You need to know and understand:

Performance Criteria 1

Interpretation of information

- K1 the organisational procedures developed to report and rectify inappropriate **information** and unsuitable **resources**, and how they are implemented
- K2 the types of **information**, their source and how they are interpreted
- K3 the organisational procedures to solve **problems** with the **information** and why it is important they are followed

Performance Criteria 2

Safe work practices

You need to know and understand:

- K4 the level of understanding operatives must have of **information** for relevant, current **legislation and official guidance** and how it is applied
- K5 how **emergencies** should be responded to and who should respond
- K6 the organisational **security procedures** for tools, equipment and personal belongings
- K7 what the accident reporting procedures are and who is responsible for making the report
- K8 why, when and how **personal protective equipment (PPE)** should be used

Performance Criteria 3

Selection of resources

You need to know and understand:

- K9 the characteristics, quality, uses, limitations and defects associated with the **resources** and how defects should be rectified
- K10 how the **resources** should be used and how any **problems** associated with the **resources** are reported
- K11 the organisational procedures to select **resources**, why they have been developed and how they are used
- K12 the **hazards** associated with the **resources** and **methods of work** and how they are overcome

Performance Criteria 4

Minimise the risk of damage

You need to know and understand:

- K13 how to **protect work** from damage and the purpose of protection
- K14 why **disposal of waste** should be carried out safely and how it is achieved

COSVR255

Install temporary lifting and suspension apparatus

You need to know and understand:

Performance Criteria 5

Meet the contract specification

- K15 how **methods of work**, to meet the specification, are carried out and **problems** reported
- K16 how **maintenance** of tools and equipment is carried out

Performance Criteria 6

Allocated time

You need to know and understand:

- K17 what the **programme** is for the work to be carried out in the estimated, allocated time and why deadlines should be kept

COSVR255

Install temporary lifting and suspension apparatus

Additional Information

Scope/range related to performance criteria

Performance Criteria 1

- 1 interpretation of drawings, method statements, risk assessments specifications, schedules and manufacturers' information related to the work to be carried out

Performance Criteria 2

- 2 avoidance of risk by following the given information relating to the following
 - 2.1 methods of work
 - 2.2 safe use of personal protective equipment (PPE)
 - 2.3 safe use of access equipment
 - 2.4 safe use and storage of materials, tools and equipment

Performance Criteria 3

- 3 selection of resources associated with own work
 - 3.1 materials, components, fixings/anchors and ties
 - 3.2 tools and equipment

Performance Criteria 4

- 4 protection of the work and its surrounding area from damage
- 5 minimise damage and maintain a clean work space
- 6 disposal of waste in accordance with legislation

Performance Criteria 5

- 7 demonstration of work skills to measure, set out, position, check, operate, secure, dismantle and remove
- 8 use and maintain hand tools, access/ancillary equipment
- 9 install and remove temporary lifting and suspension apparatus to given working instructions, relating to at least two of the following
 - 9.1 block and tackle material lifting gear (manual and mechanical)
 - 9.2 cradle suspensions
 - 9.3 rope access equipment
 - 9.4 bosun's seats
 - 9.5 winches
 - 9.6 counterbalance lifting systems
 - 9.7 suspended platforms

Performance Criteria 6

- 10 completion of own work within the estimated, allocated time to meet the needs of other occupations and/or client

COSVR255

Install temporary lifting and suspension apparatus

Scope/range related to knowledge and understanding

Disposal of waste

- 1 environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance

Emergencies

- 2 operative's response to situations in accordance with organisational authorisation and personal skills when involved with
 - 2.1 fires, spillages, injuries
 - 2.2 emergencies relating to occupational activities

Hazards

- 3 those identified by risk assessment, method of work, manufacturers' technical information, statutory regulations and official guidance

Information

- 4 drawings, specifications, schedules, method statements, risk assessments, manufacturers' information, standards, regulations and official guidance associated with temporary lifting and suspension work

Legislation and official guidance

- 5 this relates to the operative's responsibilities regarding potential accidents and health hazards whilst working in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting

Maintenance

- 6 operative care of hand tools, ancillary equipment and access equipment

COSVR255

Install temporary lifting and suspension apparatus

Methods of work

- 7 application of knowledge for safe work practices, procedures and skills, relating to the method/area of work and materials used, to
 - 7.1 identify and confirm the requirement to install temporary lifting and suspension apparatus
 - 7.2 prepare types of lifting and suspension apparatus to conform with the method of installation (manual and mechanical)
 - 7.3 install and remove using: block and tackle material lifting gear (manual and mechanical), cradle suspensions, rope access equipment, bosun's seats, winches, counterbalance systems, suspended platform systems
 - 7.4 position, install, secure, dismantle and remove temporary lifting and suspension apparatus
 - 7.5 erect designed and un-designed scaffold (limitations and formula)
 - 7.6 conduct pre-use checks on manual, electrical and mechanical equipment
 - 7.7 visually inspect fall protection equipment
 - 7.8 install and test anchors and ties
 - 7.9 identify the differences between man-riding and material lifting suspension apparatus
 - 7.10 use hand tools, and ancillary equipment
 - 7.11 work at height
 - 7.12 use access equipment
- 8 team work and communication
- 9 needs of other occupations associated with installing and removing temporary lifting and suspension apparatus

Personal protective equipment (PPE)

- 10 occupational use, types, purpose of each type and work situations

Problems

- 11 those arising from information, resources and methods of work
 - 11.1 own authority to rectify
 - 11.2 organisational reporting procedures

Programme

- 12 types of progress charts, timetables and estimated times
- 13 organisational procedures for reporting circumstances which will affect the work programme

Protect work

- 14 protect work against damage from general workplace activities, other occupations and adverse weather conditions

COSVR255

Install temporary lifting and suspension apparatus

Resources

- 15 materials, components and equipment relating to types, quantity, quality, sizes and sustainability of standard and/or specialist
 - 15.1 wire and fibre ropes
 - 15.2 chains and slings
 - 15.3 winches and pulley blocks
 - 15.4 counterbalance systems
 - 15.5 decking, planks, rails, boards, bosun's seats
 - 15.6 associated securing materials (lashing, clamps, anchors and ties)
 - 15.7 hand and ancillary equipment
- 16 methods of calculating quantity and length associated with the method/procedure to install and remove temporary lifting and suspension apparatus

Security procedures

- 17 site, workplace, company and operative

COSVR255

Install temporary lifting and suspension apparatus

Developed by ConstructionSkills

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Validity Current

Status Original

Originating organisation ConstructionSkills

Original URN VR255

Relevant occupations Scaffolders, Stagers and Riggers

Suite Accessing Operations and Rigging (Construction)

Key words Installing; Lifting; Suspension; Rope access; Winches; Block and tackle; Cradle; Bosun's-seats; Slings; Counterbalance lifting

COSVR259

Install permanent, suspended access equipment



Overview

This standard is about

- 1 interpreting information
- 2 adopting safe and healthy working practices
- 3 selecting materials, components and equipment
- 4 preparing and installing permanent, suspended access equipment

COSVR259

Install permanent, suspended access equipment

Performance criteria

- You must be able to:*
- P1 interpret the given information relating to the work and resources to confirm its relevance
 - P2 comply with the given, relevant legislation and official guidance to carry out your work and maintain safe work practices
 - P3 select the required quantity and quality of resources for the methods of work
 - P4 comply with organisational procedures to minimise the risk of damage to the work and surrounding area
 - P5 comply with the given contract information to carry out the work efficiently to the required specification
 - P6 complete the work within the allocated time, in accordance with the programme of work

COSVR259

Install permanent, suspended access equipment

Knowledge and understanding

You need to know and understand:

Performance Criteria 1

Interpretation of information

- K1 the organisational procedures developed to report and rectify inappropriate **information** and unsuitable **resources**, and how they are implemented
- K2 the types of **information**, their source and how they are interpreted
- K3 the organisational procedures to solve **problems** with the **information** and why it is important they are followed

Performance Criteria 2

Safe work practices

You need to know and understand:

- K4 the level of understanding operatives must have of **information** for relevant, current **legislation and official guidance** and how it is applied
- K5 how **emergencies** should be responded to and who should respond
- K6 the organisational **security procedures** for tools, equipment and personal belongings
- K7 what the accident reporting procedures are and who is responsible for making the report
- K8 why, when and how **personal protective equipment (PPE)** should be used

Performance Criteria 3

Selection of resources

You need to know and understand:

- K9 the characteristics, quality, uses, limitations and defects associated with the **resources** and how defects should be rectified
- K10 how the **resources** should be used and how any **problems** associated with the **resources** are reported
- K11 the organisational procedures to select **resources**, why they have been developed and how they are used
- K12 the **hazards** associated with the **resources** and **methods of work** and how they are overcome

Performance Criteria 4

Minimise the risk of damage

You need to know and understand:

- K13 how to **protect work** from damage and the purpose of protection
- K14 why **disposal of waste** should be carried out safely and how it is achieved

COSVR259

Install permanent, suspended access equipment

Performance Criteria 5

Meet the contract specification

You need to know and understand:

K15 how **methods of work**, to meet the specification, are carried out and **problems** reported

K16 how **maintenance** of tools and equipment is carried out

Performance Criteria 6

Allocated time

You need to know and understand:

K17 what the **programme** is for the work to be carried out in the estimated, allocated time and why deadlines should be kept

COSVR259

Install permanent, suspended access equipment

Additional Information

Scope/range related to performance criteria

Performance Criteria 1

- 1 interpretation of drawings, method statements, risk assessments specifications, schedules and manufacturers' information related to the work to be carried out

Performance Criteria 2

- 2 avoidance of risk by following the given information relating to the following
 - 2.1 methods of work
 - 2.2 safe use of personal protective equipment (PPE)
 - 2.3 safe use of access equipment
 - 2.4 safe use and storage of materials, tools and equipment

Performance Criteria 3

- 3 selection of resources associated with own work
 - 3.1 materials, components, fixings and anchors
 - 3.2 tools and equipment

Performance Criteria 4

- 4 protection of the work and its surrounding area from damage
- 5 minimise damage and maintain a clean work space
- 6 disposal of waste in accordance with legislation

Performance Criteria 5

- 7 demonstration of work skills to measure, set out, erect, assemble, fix, secure, test and commission
- 8 use and maintain hand tools, ancillary equipment and access equipment
- 9 install permanent, suspended access equipment to given working instructions for at least one of the following
 - 9.1 gantries
 - 9.2 ladders
 - 9.3 cradles
 - 9.4 davits
 - 9.5 building maintenance units (BMUs)

Performance Criteria 6

- 10 completion of own work within the estimated, allocated time to meet the needs of other occupations and/or client

COSVR259

Install permanent, suspended access equipment

Scope/range related to knowledge and understanding

Disposal of waste

- 1 environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance

Emergencies

- 2 operative's response to situations in accordance with organisational authorisation and personal skills when involved with
 - 2.1 fires, spillages, injuries
 - 2.2 emergencies relating to occupational activities

Hazards

- 3 those identified by risk assessment, method of work, manufacturers' technical information, statutory regulations and official guidance

Information

- 4 drawings, specifications, schedules, method statements, risk assessments, manufacturers' information, standards, regulations and official guidance associated with installation of suspended access equipment

Legislation and official guidance

- 5 this relates to the operative's responsibilities regarding potential accidents and health hazards whilst working in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting

Maintenance

- 6 operative care of hand tools, ancillary equipment and access equipment

Methods of work

- 7 application of knowledge for safe work practices, procedures and skills, relating to the method/area of work and materials used, to
 - 7.1 plan and set out the permanent, suspended access equipment for installation (gantries, ladders, cradles, davits and building maintenance units [BMUs])
 - 7.2 arrange and make provision for services and power for the installation
 - 7.3 assemble and install the suspended access equipment
 - 7.4 test and commission equipment for hand over
 - 7.5 visually inspect fall protection equipment
 - 7.6 install and test anchors and ties
 - 7.7 use hand tools, and ancillary equipment
 - 7.8 work at height
 - 7.9 use access equipment
- 8 team work and communication
- 9 needs of other occupations associated with the installation of permanent, suspended access equipment

COSVR259

Install permanent, suspended access equipment

Personal protective equipment (PPE)

10 occupational use, types, purpose of each type and work situations

Problems

11 those arising from information, resources and methods of work

11.1 own authority to rectify

11.2 organisational reporting procedures

Programme

12 types of progress charts, timetables and estimated times

13 organisational procedures for reporting circumstances which will affect the work programme

Protect work

14 protect work against damage from general workplace activities, other occupations and adverse weather conditions

Resources

15 materials, components and equipment relating to types, quantity, quality, sizes and sustainability of standard and/or specialist

15.1 prefabricated structures

15.2 self assembled components

15.3 associated materials for installation

15.4 anchors and ties

15.5 access equipment

15.6 hand and ancillary equipment

16 methods of calculating quantity, length and area associated with the method/procedure to install permanent, suspended access equipment

Security procedures

17 site, workplace, company and operative

COSVR259

Install permanent, suspended access equipment

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Version number 2

Date approved January 2010

Indicative review date April 2014

Validity Current

Status Original

Originating organisation ConstructionSkills

Original URN VR259

Relevant occupations Scaffolders, Stagers and Riggers; Construction and Building Trades; Engineering Technicians

Suite Accessing Operations and Rigging (Construction)

Key words Suspended-access; Gantries; Cradles; Davits; Fall protection; Building maintenance units; BMU

COSVR260

Use cradle access systems



Overview

This standard is about

- 1 interpreting information
- 2 adopting safe and healthy working practices
- 3 operating and using cradle access systems to carry out the occupational area of work

COSVR260

Use cradle access systems

Performance criteria

- You must be able to:*
- P1 interpret the given information relating to the work and resources to confirm its relevance
 - P2 comply with the given, relevant legislation and official guidance to carry out your work and maintain safe work practices
 - P3 comply with organisational procedures to minimise the risk of damage to the work and surrounding area
 - P4 carry out pre-use preparation inspections on equipment in accordance with given procedures
 - P5 operate equipment in accordance with safe working practices to achieve the work outcome
 - P6 complete the work within the allocated time, in accordance with the programme of work

COSVR260

Use cradle access systems

Knowledge and understanding

You need to know and understand:

Performance Criteria 1

Interpretation of information

- K1 the operating **information** and legislation appropriate to the equipment
- K2 the organisational procedures developed to report and rectify inappropriate **information** and unsuitable **resources**, and how they are implemented
- K3 the types of **information**, their source and how they are interpreted
- K4 the organisational procedures to solve **problems** with the **information** and why it is important they are followed

Performance Criteria 2

Safe work practices

You need to know and understand:

- K5 the level of understanding operatives must have of **information** for relevant, current **legislation and official guidance** and how it is applied
- K6 how **emergencies** should be responded to and who should respond
- K7 the organisational **security procedures** for tools, equipment and personal belongings
- K8 what the accident reporting procedures are and who is responsible for making the report
- K9 why, when and how **personal protective equipment (PPE)** should be used

Performance Criteria 3

Minimise the risk of damage

You need to know and understand:

- K10 how to **protect work** from damage and the purpose of protection

Performance Criteria 4

Pre-use preparation

You need to know and understand:

- K11 the **methods of work** for pre-use checks needed before operating powered tools and/or equipment
- K12 The **method of work** preparations required before using equipment

COSVR260

Use cradle access systems

Performance Criteria 5

Operate equipment

You need to know and understand:

K13 how **methods of work** are carried out and **problems** reported

Performance Criteria 6

Allocated time

You need to know and understand:

K14 what the **programme** is for the work to be carried out in the estimated, allocated time and why deadlines should be kept

COSVR260

Use cradle access systems

Additional Information

Scope/range related to performance criteria

Performance Criteria 1

- 1 interpretation of drawings, method statements, risk assessments specifications, schedules and manufacturers' information related to the work to be carried out

Performance Criteria 2

- 2 avoidance of risk by following the given information relating to the following
 - 2.1 methods of work
 - 2.2 safe use of personal protective equipment (PPE)
 - 2.3 safe use of access equipment
 - 2.4 safe use and storage of materials, tools and equipment

Performance Criteria 3

- 3 protection of the work and its surrounding area from damage

Performance Criteria 4

- 4 demonstration of work skills to inspect, check and record
- 5 prepare suspended access systems for use to given operating instructions, relating to at least one of the following
 - 5.1 cradle access systems
 - 5.2 travelling gantries
 - 5.3 jib and rail systems
 - 5.4 building maintenance units (BMUs)

Performance Criteria 5

- 6 demonstration of work skills to manoeuvre, position and shut down
- 7 operate suspended access systems to carry out the occupational area of work to given working instructions for at least one of the following
 - 7.1 cradle access systems
 - 7.2 travelling gantries
 - 7.3 jib and rail systems
 - 7.4 building maintenance units (BMUs)

Performance Criteria 6

- 8 completion of own work within the estimated, allocated time to meet the needs of other occupations and/or client

COSVR260

Use cradle access systems

Scope/range related to knowledge and understanding

Emergencies

- 1 operative's response to situations in accordance with organisational authorisation and personal skills when involved with
 - 1.1 fires, spillages, injuries
 - 1.2 emergencies relating to occupational activities

Hazards

- 2 those identified by risk assessment, method of work, manufacturers' technical information, statutory regulations and official guidance

Information

- 3 drawings, specifications, schedules, method statements, risk assessments, manufacturers' information, standards, regulations and official guidance

Legislation and official guidance

- 4 this relates to the operative's responsibilities regarding potential accidents and health hazards whilst working in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting

Methods of work

- 5 application of knowledge for safe work practices, procedures and skills, relating to the method/area of work and materials used, to
 - 5.1 confirm position and operations (cradle access systems, travelling gantries, jib and rail systems and building maintenance units (BMUs))
 - 5.2 inspect and check operational performance and security
 - 5.3 operate and utilise the system
 - 5.4 shut down and secure the system
 - 5.5 visually inspect fall protection equipment
 - 5.6 use hand tools, and ancillary equipment
 - 5.7 work at height
 - 5.8 use access equipment
- 6 team work and communication
- 7 needs of other occupations associated with the operation and use of cradle access systems

COSVR260

Use cradle access systems

Personal protective equipment (PPE)

8 occupational use, types, purpose of each type and work situations

Problems

9 those arising from information, resources and methods of work

9.1 own authority to rectify

9.2 organisational reporting procedures

Programme

10 types of progress charts, timetables and estimated times

11 organisational procedures for reporting circumstances which will affect the work programme

Protect work

12 protect work against damage from general workplace activities, other occupations and adverse weather conditions

Resources

13 equipment relating to types, quantity, quality, sizes and sustainability of standard and/or specialist

13.1 cradle access systems

13.2 travelling gantries

13.3 jib and rail systems

13.4 building maintenance units (BMUs)

13.5 hand and ancillary equipment

Security procedures

14 site, workplace, company and operative

COSVR260

Use cradle access systems

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Validity Current

Status Original

Originating organisation ConstructionSkills

Original URN VR260

Relevant occupations Scaffolders, Stagers and Riggers

Suite Accessing Operations and Rigging (Construction)

Key words Cradle; Access-systems; Jib and rail; Gantries; Cradle access; Building maintenance units; BMU

COSVR261

Install and remove safety net rigging



Overview

This standard is about

- 1 interpreting information
- 2 adopting safe and healthy working practices
- 3 selecting materials, components and equipment
- 4 preparing, setting up and removing safety net rigging

COSVR261

Install and remove safety net rigging

Performance criteria

- You must be able to:*
- P1 interpret the given information relating to the work and resources to confirm its relevance
 - P2 comply with the given, relevant legislation and official guidance to carry out your work and maintain safe work practices
 - P3 select the required quantity and quality of resources for the methods of work
 - P4 comply with organisational procedures to minimise the risk of damage to the work and surrounding area
 - P5 comply with the given contract information to carry out the work efficiently to the required specification
 - P6 complete the work within the allocated time, in accordance with the programme of work

COSVR261

Install and remove safety net rigging

Knowledge and understanding

You need to know and understand:

Performance Criteria 1

Interpretation of information

- K1 the organisational procedures developed to report and rectify inappropriate **information** and unsuitable **resources**, and how they are implemented
- K2 the types of **information**, their source and how they are interpreted
- K3 the organisational procedures to solve **problems** with the **information** and why it is important they are followed

Performance Criteria 2

Safe work practices

You need to know and understand:

- K4 the level of understanding operatives must have of **information** for relevant, current **legislation and official guidance** and how it is applied
- K5 how **emergencies** should be responded to and who should respond
- K6 the organisational **security procedures** for tools, equipment and personal belongings
- K7 what the accident reporting procedures are and who is responsible for making the report
- K8 why, when and how **personal protective equipment (PPE)** should be used

Performance Criteria 3

Selection of resources

You need to know and understand:

- K9 the characteristics, quality, uses, limitations and defects associated with the **resources** and how defects should be rectified
- K10 how the **resources** should be used and how any **problems** associated with the **resources** are reported
- K11 the organisational procedures to select **resources**, why they have been developed and how they are used
- K12 the **hazards** associated with the **resources** and **methods of work** and how they are overcome

Performance Criteria 4

Minimise the risk of damage

You need to know and understand:

- K13 how to **protect work** from damage and the purpose of protection
- K14 why **disposal of waste** should be carried out safely and how it is achieved

COSVR261

Install and remove safety net rigging

You need to know and understand:

Performance Criteria 5

Meet the contract specification

- K15 how **methods of work**, to meet the specification, are carried out and **problems** reported
- K16 how **maintenance** of tools and equipment is carried out

Performance Criteria 6

Allocated time

You need to know and understand:

- K17 what the **programme** is for the work to be carried out in the estimated, allocated time and why deadlines should be kept

COSVR261

Install and remove safety net rigging

Additional Information

Scope/range related to performance criteria

Performance Criteria 1

- 1 interpretation of plans, method statements, risk assessments specifications, schedules and manufacturers' information related to the work to be carried out

Performance Criteria 2

- 2 avoidance of risk by following the given information relating to the following
 - 2.1 methods of work
 - 2.2 safe use of personal protective equipment (PPE)
 - 2.3 safe use of access equipment
 - 2.4 safe use and storage of materials, tools and equipment

Performance Criteria 3

- 3 selection of resources associated with own work
 - 3.1 materials, components, fixings/anchors and ties
 - 3.2 tools and equipment

Performance Criteria 4

- 4 protection of the work and its surrounding area from damage
- 5 minimise damage and maintain a clean work space
- 6 disposal of waste in accordance with legislation

Performance Criteria 5

- 7 demonstration of work skills to measure, set out, position, assemble, fix, check, secure, dismantle and remove
- 8 use and maintain hand tools, ancillary equipment and access equipment
- 9 set up and remove knotted and/or knotless safety netting, construction class S, T, U or V, to given working instructions

Performance Criteria 6

- 10 completion of own work within the estimated, allocated time to meet the needs of other occupations and/or client

COSVR261

Install and remove safety net rigging

Scope/range related to knowledge and understanding

Disposal of waste

- 1 environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance

Emergencies

- 2 operative's response to situations in accordance with organisational authorisation and personal skills when involved with
 - 2.1 fires, spillages, injuries
 - 2.2 emergencies relating to occupational activities

Hazards

- 3 those identified by risk assessment, method of work, manufacturers' technical information, statutory regulations and official guidance

Information

- 4 specifications, schedules, method statements, risk assessments, manufacturers' information, standards, regulations and official guidance associated with

Legislation and official guidance

- 5 this relates to the operative's responsibilities regarding potential accidents and health hazards whilst working in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting

Maintenance

- 6 operative care of hand tools, ancillary equipment and access equipment

COSVR261

Install and remove safety net rigging

Methods of work

- 7 application of knowledge for safe work practices, procedures and skills, relating to the method/area of work and materials used, to
 - 7.1 confirm type and scope of safety net rigging
 - 7.2 confirm that the stability of the foundation/structure on which the safety net rigging will be erected and secured has been considered
 - 7.3 fit, fix and secure the safety net rigging covering area, span, angle, drop distance
 - 7.4 check the safety net for security
 - 7.5 dismantle and remove safety net rigging
 - 7.6 identify the test criteria for safety net rigging, including anchors and ties
 - 7.7 tie different types of securing knots
 - 7.8 visually inspect fall protection system
 - 7.9 install and test anchors and ties
 - 7.10 apply rescue plans relating to methods of access
 - 7.11 use hand tools, and ancillary equipment
 - 7.12 work at height
 - 7.13 use access equipment
- 8 team work and communication
- 9 needs of other occupations associated with installing and removing safety net rigging

Personal protective equipment (PPE)

- 10 occupational use, types, purpose of each type and work situations

Problems

- 11 those arising from information, resources and methods of work
 - 11.1 own authority to rectify
 - 11.2 organisational reporting procedures

Programme

- 12 types of progress charts, timetables and estimated times
- 13 organisational procedures for reporting circumstances which will affect the work programme

Protect work

- 14 protect work against damage from general workplace activities, other occupations and adverse weather conditions

COSVR261

Install and remove safety net rigging

Resources

- 15 materials, components and equipment relating to types, quantity, quality, sizes and sustainability of standard and/or specialist
 - 15.1 knotted and knotless netting
 - 15.2 fixings and associated materials for supporting and securing the safety netting
 - 15.3 associated materials (ropes, anchors, ties, ladders, proprietary components etc.)
 - 15.4 hand and ancillary equipment
- 16 methods of calculating quantity, length and area associated with the method/procedure to install and remove safety net rigging

Security procedures

- 17 site, workplace, company and operative

COSVR261

Install and remove safety net rigging

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Version number 2

Date approved January 2010

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Validity Current

Status Original

Originating organisation ConstructionSkills

Original URN VR261

Relevant occupations Scaffolders, Stagers and Riggers; Construction and Building Trades; Engineering Technicians

Suite Accessing Operations and Rigging (Construction)

Key words Safety net; Netting; Rigging; Knotted-netting; Knotless-netting; Span; Drop-distance

COSVR405

Erect specialised, designed scaffolds and rigging



Overview

This standard is about

- 1 interpreting information
- 2 adopting safe and healthy working practices
- 3 selecting materials, components and equipment
- 4 preparing, planning, setting out and erecting scaffold/rigging to a design

COSVR405

Erect specialised, designed scaffolds and rigging

Performance criteria

- You must be able to:*
- P1 interpret the given information relating to the work and resources to confirm its relevance
 - P2 comply with the given, relevant legislation and official guidance to carry out your work and maintain safe work practices
 - P3 select the required quantity and quality of resources for the methods of work
 - P4 comply with organisational procedures to minimise the risk of damage to the work and surrounding area
 - P5 comply with the given contract information to carry out the work efficiently to the required specification
 - P6 complete the work within the allocated time, in accordance with the programme of work

COSVR405

Erect specialised, designed scaffolds and rigging

Knowledge and understanding

You need to know and understand:

Performance Criteria 1

Interpretation of information

- K1 the organisational procedures developed to report and rectify inappropriate **information** and unsuitable **resources**, and how they are implemented
- K2 the types of **information**, their source and how they are interpreted
- K3 the organisational procedures to solve **problems** with the **information** and why it is important they are followed

Performance Criteria 2

Safe work practices

You need to know and understand:

- K4 the level of understanding operatives must have of **information** for relevant, current **legislation and official guidance** and how it is applied
- K5 how **emergencies** should be responded to and who should respond
- K6 the organisational **security procedures** for tools, equipment and personal belongings
- K7 what the accident reporting procedures are and who is responsible for making the report
- K8 why, when and how **personal protective equipment (PPE)** should be used

Performance Criteria 3

Selection of resources

You need to know and understand:

- K9 the characteristics, quality, uses, limitations and defects associated with the **resources** and how defects should be rectified
- K10 how the **resources** should be used and how any **problems** associated with the **resources** are reported
- K11 the organisational procedures to select **resources**, why they have been developed and how they are used
- K12 the **hazards** associated with the **resources** and **methods of work** and how they are overcome

Performance Criteria 4

Minimise the risk of damage

You need to know and understand:

- K13 how to **protect work** from damage and the purpose of protection
- K14 why **disposal of waste** should be carried out safely and how it is achieved

COSVR405

Erect specialised, designed scaffolds and rigging

Performance Criteria 5

Meet the contract specification

You need to know and understand:

- K15 how **methods of work**, to meet the specification, are carried out and **problems** reported
- K16 how **maintenance** of tools and equipment is carried out

Performance Criteria 6

Allocated time

You need to know and understand:

- K17 what the **programme** is for the work to be carried out in the estimated, allocated time and why deadlines should be kept

COSVR405

Erect specialised, designed scaffolds and rigging

Additional Information

Scope/range related to performance criteria

Performance Criteria 1

- 1 interpretation of drawings, method statements, risk assessments specifications, schedules and manufacturers' information related to the work to be carried out

Performance Criteria 2

- 2 avoidance of risk by following the given information relating to the following
 - 2.1 methods of work
 - 2.2 safe use of personal protective equipment (PPE)
 - 2.3 safe use of access equipment
 - 2.4 safe use and storage of materials, tools and equipment

Performance Criteria 3

- 3 selection of resources associated with own work
 - 3.1 materials, components, fixings/anchors and ties
 - 3.2 tools and equipment
 - 3.3 access equipment

Performance Criteria 4

- 4 protection of the work and its surrounding area from damage
- 5 minimise damage and maintain a clean work space
- 6 disposal of waste in accordance with legislation

Performance Criteria 5

- 7 demonstration of work skills to inspect, measure, position, set out, evaluate, organise
- 8 use and maintain hand tools, measuring and calculation tools, ancillary equipment and access equipment
- 9 erect an engineer's designed specialised scaffold/rigging structure to given working instructions for at least one of the following occupational areas
 - 9.1 scaffolding
 - 9.2 steeplejacking
 - 9.3 rigging – structures used in entertainment
 - 9.4 rigging – suspended access equipment
 - 9.5 off-shore scaffolding

Performance Criteria 6

- 10 completion of own work within the estimated, allocated time to meet the needs of other occupations and/or client

COSVR405

Erect specialised, designed scaffolds and rigging

Scope/range related to knowledge and understanding

Disposal of waste

- 1 environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance

Emergencies

- 2 operative's response to situations in accordance with organisational authorisation and personal skills when involved with
 - 2.1 fires, spillages, injuries
 - 2.2 emergencies relating to occupational activities

Hazards

- 3 those identified by risk assessment, method of work, manufacturers' technical information, statutory regulations and official guidance

Information

- 4 drawings, specifications, schedules, method statements, risk assessments, manufacturers' information, standards, regulations and official guidance

Legislation and official guidance

- 5 this relates to the operative's responsibilities regarding potential accidents and health hazards whilst working in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting

Maintenance

- 6 operative care of hand tools, measuring and calculation tools, ancillary equipment and access equipment

COSVR405

Erect specialised, designed scaffolds and rigging

Methods of work

- 7 application of knowledge for safe work practices, procedures and skills, relating to the method/area of work and materials used, to
 - 7.1 refer to survey and site inspection for the specialised, designed scaffold/rigging requirement
 - 7.2 confirm that the stability of the foundation/structure on which the scaffold will be erected and secured has been considered
 - 7.3 measure and evaluate the scope and design of the scaffold/rigging
 - 7.4 plan for and organise resources to erect the scaffold/rigging to the design
 - 7.5 confirm and set out for the scaffold/rigging to be erected
 - 7.6 erect scaffolds for use by other occupations
 - 7.7 maintain records and document design of scaffold/rigging
 - 7.8 visually inspect fall protection equipment
 - 7.9 install and test ties and anchors
 - 7.10 use hand tools, measuring and calculation tools and ancillary equipment
 - 7.11 work at height
 - 7.12 use access equipment
- 8 team work and communication
- 9 needs of other occupations associated with the erection of specialised, designed scaffolds and rigging

Personal protective equipment (PPE)

- 10 occupational use, types, purpose of each type and work situations

Problems

- 11 those arising from information, resources and methods of work
 - 11.1 own authority to rectify
 - 11.2 organisational reporting procedures

Programme

- 12 types of progress charts, timetables and estimated times
- 13 organisational procedures for reporting circumstances which will affect the work programme

Protect work

- 14 protect work against damage from general workplace activities, other occupations and adverse weather conditions

COSVR405

Erect specialised, designed scaffolds and rigging

Resources

- 15 materials, components and equipment relating to types, quantity, quality, sizes and sustainability of standard and/or specialist
 - 15.1 tube and fitting
 - 15.2 systems scaffold
 - 15.3 associated materials (props, ropes, anchors, ties, boards, plates, beams, ladders, proprietary components etc)
 - 15.4 hand tools, measuring and calculation tools and ancillary equipment
- 16 methods of calculating quantity, length and area associated with the method/procedure to erect specialised, designed scaffolds and rigging

Security procedures

- 17 site, workplace, company and operative

COSVR405

Erect specialised, designed scaffolds and rigging

Developed by	ConstructionSkills
Version number	2
Date approved	January 2010
Indicative review date	April 2014
Validity	Current
Status	Original
Originating organisation	ConstructionSkills
Original URN	VR405
Relevant occupations	Scaffolders, Stagers and Riggers
Suite	Accessing Operations and Rigging (Construction)
Key words	Scaffolds; Rigging; Designed-scaffolds, Suspended; Steeplejacking; Off-shore

COSVR411

Inspect scaffolding/rigging systems



Overview

This standard is about

- 1 interpreting information
- 2 adopting safe and healthy working practices
- 3 selecting resources
- 4 preparing for and inspecting the integrity and security of scaffolding/rigging

COSVR411

Inspect scaffolding/rigging systems

Performance criteria

You must be able to:

- P1 interpret the given information relating to the work and resources to confirm its relevance
- P2 comply with the given, relevant legislation and official guidance to carry out your work and maintain safe work practices
- P3 select the required quantity and quality of resources for the methods of work
- P4 comply with organisational procedures to minimise the risk of damage to the work and surrounding area
- P5 comply with the given contract information to carry out the work efficiently to the required specification
- P6 complete the work within the allocated time, in accordance with the programme of work

COSVR411

Inspect scaffolding/rigging systems

Knowledge and understanding

You need to know and understand:

Performance Criteria 1

Interpretation of information

- K1 the organisational procedures developed to report and rectify inappropriate **information** and unsuitable **resources**, and how they are implemented
- K2 the types of **information**, their source and how they are interpreted
- K3 the organisational procedures to solve **problems** with the **information** and why it is important they are followed

Performance Criteria 2

Safe work practices

You need to know and understand:

- K4 the level of understanding operatives must have of **information** for relevant, current **legislation and official guidance** and how it is applied
- K5 how **emergencies** should be responded to and who should respond
- K6 the organisational **security procedures** for tools, equipment and personal belongings
- K7 what the accident reporting procedures are and who is responsible for making the report
- K8 why, when and how **personal protective equipment (PPE)** should be used

Performance Criteria 3

Selection of resources

You need to know and understand:

- K9 the characteristics, quality, uses, limitations and defects associated with the **resources** and how defects should be rectified
- K10 how the **resources** should be used and how any **problems** associated with the **resources** are reported
- K11 the organisational procedures to select **resources**, why they have been developed and how they are used
- K12 the **hazards** associated with the **resources** and **methods of work** and how they are overcome

Performance Criteria 4

Minimise the risk of damage

You need to know and understand:

- K13 how to **protect work** from damage and the purpose of protection
- K14 why **disposal of waste** should be carried out safely and how it is achieved

COSVR411

Inspect scaffolding/rigging systems

You need to know and understand:

Performance Criteria 5

Meet the contract specification

- K15 how **methods of work**, to meet the specification, are carried out and **problems** reported
- K16 how **maintenance** of tools and equipment is carried out

Performance Criteria 6

Allocated time

You need to know and understand:

- K17 what the **programme** is for the work to be carried out in the estimated, allocated time and why deadlines should be kept

COSVR411

Inspect scaffolding/rigging systems

Additional Information

Scope/range related to performance criteria

Performance Criteria 1

- 1 interpretation of plans, drawings and sketches, method statements, risk assessments, specifications, schedules and manufacturers' information related to the work to be carried out

Performance Criteria 2

- 2 avoidance of risk by following the given information relating to the following
 - 2.1 methods of work
 - 2.2 safe use of personal protective equipment (PPE)
 - 2.3 safe use of access equipment
 - 2.4 safe use and storage of materials, tools and equipment

Performance Criteria 3

- 3 selection of resources associated with own work

Performance Criteria 4

- 4 protection of the work and its surrounding area from damage
- 5 minimise damage and maintain a clean work space
- 6 disposal of waste in accordance with legislation

Performance Criteria 5

- 7 demonstration of work skills to measure, check and record
- 8 use and maintain inspection and recording equipment
- 9 inspect scaffolding/rigging systems for compliance with current legislation and issue an inspection or thorough examination certificate

Performance Criteria 6

- 10 completion of own work within the estimated, allocated time to meet the needs of other occupations and/or client

COSVR411

Inspect scaffolding/rigging systems

Scope/range related to knowledge and understanding

Disposal of waste

- 1 environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance

Emergencies

- 2 operative's response to situations in accordance with organisational authorisation and personal skills when involved with
 - 2.1 fires, spillages, injuries
 - 2.2 emergencies relating to occupational activities

Hazards

- 3 those identified by risk assessment, method of work, manufacturers' technical information, statutory regulations and official guidance

Information

- 4 plans, drawings and sketches, specifications, schedules, method statements, risk assessments, manufacturers' information, standards, regulations and official guidance associated with scaffolding/rigging

Legislation and official guidance

- 5 this relates to the operative's responsibilities regarding potential accidents and health hazards whilst working in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting

Maintenance

- 6 operative care of inspection and recording equipment

Methods of work

- 7 application of knowledge for safe work practices, procedures and skills, relating to the method/area of work and materials used, to
 - 7.1 identify the location and the type of scaffolding/rigging arrangement for inspection
 - 7.2 confirm frequency of inspection and thorough examination
 - 7.3 inspect stability and security of the scaffold and rigging structures
 - 7.4 confirm that the structure complies with current legislation and approved practices
 - 7.5 communicate with appropriate personnel for corrections to the structure that will uphold its integrity and security
 - 7.6 record and report findings
 - 7.7 issue appropriate certification
 - 7.8 visually inspect fall protection equipment
 - 7.9 use inspection and recording equipment
 - 7.10 work at height
 - 7.11 use access equipment
- 8 team work and communication
- 9 needs of other occupations associated with inspecting scaffold and rigging structures

COSVR411

Inspect scaffolding/rigging systems

Personal protective equipment (PPE)

10 occupational use, types, purpose of each type and work situations

Problems

11 those arising from information, resources and methods of work

11.1 own authority to rectify

11.2 organisational reporting procedures

Programme

12 types of progress charts, timetables and estimated times

13 organisational procedures for reporting circumstances which will affect the work programme

Protect work

14 protect work against damage from general workplace activities, other occupations and adverse weather conditions

Resources

15 inspection and recording equipment

Security procedures

17 site, workplace, company and operative

COSVR411

Inspect scaffolding/rigging systems

Developed by ConstructionSkills

Version number 2

Date approved January 2010

Indicative review date April 2014

Validity Current

Status Original

Originating organisation ConstructionSkills

Original URN VR411

Relevant occupations Scaffolders, Stagers and Riggers

Suite Accessing Operations and Rigging (Construction)

Key words Inspecting; Scaffolding; Rigging; Security; Inspection certificate; Thorough examination certificate

COSVR413

Devise and erect specialised rigging/scaffolding systems



Overview

This standard is about

- 1 interpreting information
- 2 adopting safe and healthy working practices
- 3 selecting materials, components and equipment
- 4 preparing, devising and erecting specialised rigging/scaffolding systems

COSVR413

Devise and erect specialised rigging/scaffolding systems

Performance criteria

- You must be able to:*
- P1 interpret the given information relating to the work and resources to confirm its relevance
 - P2 comply with the given, relevant legislation and official guidance to carry out your work and maintain safe work practices
 - P3 select the required quantity and quality of resources for the methods of work
 - P4 comply with organisational procedures to minimise the risk of damage to the work and surrounding area
 - P5 comply with the given contract information to carry out the work efficiently to the required specification
 - P6 complete the work within the allocated time, in accordance with the programme of work

COSVR413

Devise and erect specialised rigging/scaffolding systems

Knowledge and understanding

You need to know and understand:

Performance Criteria 1

Interpretation of information

- K1 the organisational procedures developed to report and rectify inappropriate **information** and unsuitable **resources**, and how they are implemented
- K2 the types of **information**, their source and how they are interpreted
- K3 the organisational procedures to solve **problems** with the **information** and why it is important they are followed

Performance Criteria 2

Safe work practices

You need to know and understand:

- K4 the level of understanding operatives must have of **information** for relevant, current **legislation and official guidance** and how it is applied
- K5 how **emergencies** should be responded to and who should respond
- K6 the organisational **security procedures** for tools, equipment and personal belongings
- K7 what the accident reporting procedures are and who is responsible for making the report
- K8 why, when and how **personal protective equipment (PPE)** should be used

Performance Criteria 3

Selection of resources

You need to know and understand:

- K9 the characteristics, quality, uses, limitations and defects associated with the **resources** and how defects should be rectified
- K10 how the **resources** should be used and how any **problems** associated with the **resources** are reported
- K11 the organisational procedures to select **resources**, why they have been developed and how they are used
- K12 the **hazards** associated with the **resources** and **methods of work** and how they are overcome

Performance Criteria 4

Minimise the risk of damage

You need to know and understand:

- K13 how to **protect work** from damage and the purpose of protection
- K14 why **disposal of waste** should be carried out safely and how it is achieved

COSVR413

Devise and erect specialised rigging/scaffolding systems

Performance Criteria 5

Meet the contract specification

You need to know and understand:

K15 how **methods of work**, to meet the specification, are carried out and **problems** reported

K16 how **maintenance** of tools and equipment is carried out

Performance Criteria 6

Allocated time

You need to know and understand:

K17 what the **programme** is for the work to be carried out in the estimated, allocated time and why deadlines should be kept

COSVR413

Devise and erect specialised rigging/scaffolding systems

Additional Information

Scope/range related to performance criteria

Performance Criteria 1

- 1 interpretation of plans, drawings and sketches, method statements, risk assessments, specifications, schedules and manufacturers' information related to the work to be carried out

Performance Criteria 2

- 2 avoidance of risk by following the given information relating to the following
 - 2.1 methods of work
 - 2.2 safe use of personal protective equipment (PPE)
 - 2.3 safe use of access equipment
 - 2.4 safe use and storage of materials, tools and equipment

Performance Criteria 3

- 3 selection of resources associated with own work
 - 3.1 materials, components, fixings/anchors and ties
 - 3.2 tools and equipment
 - 3.3 access equipment

Performance Criteria 4

- 4 protection of the work and its surrounding area from damage
- 5 minimise damage and maintain a clean work space
- 6 disposal of waste in accordance with legislation

Performance Criteria 5

- 7 demonstration of work skills to measure, set out, assemble, construct, fix, secure and remove
- 8 use and maintain hand tools, ancillary equipment and access equipment
- 9 devise, erect and dismantle specialist rigging/scaffolding systems in either the occupational area of rigging – structures used in entertainment or rigging – suspended access equipment, to given working instructions, relating to at least one of the following situations
 - 9.1 mobile
 - 9.2 flying
 - 9.3 static
 - 9.4 aquatic

Performance Criteria 6

- 10 completion of own work within the estimated, allocated time to meet the needs of other occupations and/or client

COSVR413

Devise and erect specialised rigging/scaffolding systems

Scope/range related to knowledge and understanding

Disposal of waste

- 1 environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance

Emergencies

- 2 operative's response to situations in accordance with organisational authorisation and personal skills when involved with
 - 2.1 fires, spillages, injuries
 - 2.2 emergencies relating to occupational activities

Hazards

- 3 those identified by risk assessment, method of work, manufacturers' technical information, statutory regulations and official guidance

Information

- 4 plans, drawings and sketches, specifications, schedules, method statements, risk assessments, manufacturers' information, standards, regulations and official guidance

Legislation and official guidance

- 5 this relates to the operative's responsibilities regarding potential accidents and health hazards whilst working in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting

Maintenance

- 6 operative care of hand tools, ancillary equipment and access equipment

COSVR413

Devise and erect specialised rigging/scaffolding systems

Methods of work

- 7 application of knowledge for safe work practices, procedures and skills, relating to the method/area of work and materials used, to
 - 7.1 confirm location and situation to devise and construct specialised rigging/scaffolding systems
 - 7.2 confirm the stability of the foundation/structure on which the scaffold will be erected and secured has been considered
 - 7.3 erect designed and un-designed scaffolds (limitations and formulas)
 - 7.4 calculate weight distribution and load balance
 - 7.5 devise and construct specialised rigging/scaffold systems according to size, shape, weight, means and method of fixing
 - 7.6 test and confirm safety and security of specialised rigging/scaffold systems
 - 7.7 dismantle and remove specialised rigging/scaffold system
 - 7.8 visually inspect fall protection equipment
 - 7.9 install and test ties and anchors
 - 7.10 use hand tools, and ancillary equipment
 - 7.11 work at height
 - 7.12 use access equipment
- 8 team work and communication
- 9 needs of other occupations associated with devising and constructing specialised rigging/scaffold systems

Personal protective equipment (PPE)

- 10 occupational use, types, purpose of each type and work situations

Problems

- 11 those arising from information, resources and methods of work
 - 11.1 own authority to rectify
 - 11.2 organisational reporting procedures

Programme

- 12 types of progress charts, timetables and estimated times
- 13 organisational procedures for reporting circumstances which will affect the work programme

Protect work

- 14 protect work against damage from general workplace activities, other occupations and adverse weather conditions

COSVR413

Devise and erect specialised rigging/scaffolding systems

Resources

- 15 materials, components and equipment relating to types, quantity, quality, sizes and sustainability of standard and/or specialist
 - 15.1 tube and fitting
 - 15.2 systems scaffold
 - 15.3 winches
 - 15.4 associated materials (props, ropes, anchors, ties, boards, plates, beams, ladders, proprietary components etc.)
 - 15.5 hand and ancillary equipment
- 16 methods of calculating quantity, length and area and wastage associated with the method/procedure to devise and erect specialised rigging/scaffold systems

Security procedures

- 17 site, workplace, company and operative

COSVR413

Devise and erect specialised rigging/scaffolding systems

Developed by ConstructionSkills

Version number 2

Date approved January 2010

Indicative review date April 2014

Validity Current

Status Original

Originating organisation ConstructionSkills

Original URN VR413

Relevant occupations Scaffolders, Stagers and Riggers

Suite Accessing Operations and Rigging (Construction)

Key words Specialised systems; Scaffolding; Rigging, Mobile; Flying; Static; Aquatic; Suspended-access; Tube and Fitting; Systems scaffolds