

**Development Pack
National Occupational Standards
for
Access Operations and Rigging
Steeplejacking**

Project 2019 / 2020

COSVR252, COSVR253, COSVR254, COSVR255, COSVR263,
COSVR405, COSVR410, COSVR411, COSVR414, COSVR415

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Contents

Page no.

Revised NOS:

COSVR252	Utilise provision of fall protection systems mandatory to all pathways	1
COSVR253	Erect and dismantle steeplejack scaffolds	1
COSVR254	Erect and remove specialist access equipment	10
COSVR255	Install temporary lifting and suspension apparatus	19
COSVR263	Secure and use rope access arrangements	28
COSVR405	Erect specialised, designed scaffolds and rigging	37
COSVR410	Erect and dismantle steeplejack scaffolds for multi-faceted surfaces	46
COSVR411	Inspect scaffolding/rigging systems	55
COSVR414	Install sheet metal cladding to chimneys or ducting	63
COSVR415	Install ducting and flue systems	71

Accessing Operations and Rigging (AOR) – all the standards contained within this occupation

COSVR47	Maintain slate and tile roofing	Trowel Occupations
COSVR50	Repair and maintain masonry structures	Trowel Occupations
COSVR53	Erect metal chimneys	Chimney Engineering Occupations
COSVR120	Carry out site measurements and evaluations	Mastic Asphalt
COSVR155	Demolish/dismantle brick, masonry and concrete structures	Demolition
COSVR187	Produce standard templets and mould	Stonemasonry
COSVR196	Repair basic stonemasonry structures	Stonemasonry
COSVR199	Produce complex templets and moulds	Stonemasonry
COSVR209	Confirm work activities and resources for the work	Occupational Work Supervision
COSVR210	Develop and maintain good working relationships	Occupational Work Supervision
COSVR211	Confirm the occupational method of work	Occupational Work Supervision
COSVR247	Erect and dismantle independent and birdcage scaffolds	AOR
COSVR248	Erect and dismantle mobile and static scaffold towers	AOR
COSVR249	Erect and dismantle cantilever scaffolds	AOR
COSVR250	Erect and dismantle access/working platforms	AOR
COSVR251	Erect and dismantle pavement or roof scaffolds	AOR
COSVR252	Utilise provision of fall protection systems	AOR Mandatory
COSVR253	Erect and dismantle steeplejack scaffolds	AOR
COSVR254	Erect and remove specialist access equipment	AOR
COSVR255	Install temporary lifting and suspension apparatus	AOR
COSVR256	Install lightning conductor systems	AOR
COSVR257	Commission lightning conductor installation systems	AOR
COSVR258	Equip scaffolds with safeguards and environmental protection	AOR
COSVR259	Install permanent, suspended access equipment	AOR
COSVR260	Use cradle access systems	AOR
COSVR261	Install and remove safety net rigging	AOR
COSVR262	Install and set up provision for fall arrest	AOR
COSVR263	Secure and use rope access arrangements	AOR
COSVR325	Inspect and test lightning protection systems	AOR
COSVR333	Apply paint systems by brush and roller	Decorative and Ind Painter Occupations

COSVR360 Install, maintain and remove work area protection and safety equipment Engineering Occupations	Construction and Civil
COSVR372 Identify and mark the location of utilities apparatus and sub-structures Engineering Occupations	Construction and Civil
COSVR392 Operate plant or machinery used as work platforms	Plant Operations
COSVR402 Slinging and signalling the movement of suspended loads	Controlling Lifting Occs
COSVR405 Erect specialised, designed scaffolds and rigging	AOR
COSVR406 Erect and dismantle overhead scaffolds	AOR
COSVR407 Erect and dismantle falsework scaffolds	AOR
COSVR408 Erect and dismantle shoring scaffolds	AOR
COSVR410 Erect and dismantle steeplejack scaffolds for multi-faceted surfaces	AOR
COSVR411 Inspect scaffolding/rigging systems	AOR
COSVR412 Install electrical earthing systems	AOR
COSVR413 Devise and erect specialised rigging/scaffolding systems	AOR
COSVR414 Install sheet metal cladding to chimneys or ducting	AOR
COSVR415 Install ducting and flue systems	AOR
COSVR609 Erect and dismantle temporary roof scaffolds	AOR
COSVR641 Conform to general workplace health, safety and welfare	Wood Occupations
COSVR642 Conform to productive work practices	Wood Occupations
COSVR643 Move, handle or store resources	Wood Occupations
COSVR657 Inspect and complete user maintenance on plant and machinery Machinery Maintenance	Construction Plant and

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

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

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

COSVR253

Erect and dismantle steeplejack scaffolds



Overview

This standard is about

- 5 interpreting information
- 6 adopting safe and healthy working practices
- 7 selecting materials, components and equipment
- 8 preparing, erecting, dismantling steeplejack scaffolds

COSVR253

Erect and dismantle steeplejack scaffolds

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

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

COSVR253

Erect and dismantle steeplejack scaffolds

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

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

13.3 access 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, assemble, fix, position, secure and remove

18 use and maintain hand tools, ancillary equipment and access equipment

19 erect and dismantle steeplejack scaffolds to given working instructions using either of the following materials and component make-up

19.1 tube and fitting

19.2 systems scaffold

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 steeplejack scaffold 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, ancillary equipment and access equipment

Erect and dismantle steplejack scaffolds

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 and confirm the area to erect the steplejack scaffold
 - 24.2 confirm that stability of the foundation/structure on which the scaffold will be erected and secured has been considered
 - 24.3 confirm materials and component make-up (tube and fitting, systems scaffold)
 - 24.4 set out and prepare for scaffold structures
 - 24.5 dismantle and remove steplejack scaffold structures
 - 24.6 visually check fall protection equipment
 - 24.7 install and test anchors and ties
 - 24.8 use hand tools and ancillary equipment
 - 24.9 work at height
 - 24.10 use access equipment
- 25 team work and communication
- 26 needs of other occupations associated with erecting and dismantling steplejack scaffolds

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

COSVR253

Erect and dismantle steeplejack scaffolds

Resources

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

32.1 tube and fitting

32.2 systems scaffold

32.3 associated materials (props, ropes, anchors, ties, boards, plates, beams, ladders, proprietary components etc)

32.4 hand tools and ancillary equipment

33 methods of calculating quantity, length and area associated with the method/procedure to erect and dismantle steeplejack scaffolds

Security procedures

34 site, workplace, company and operative

COSVR253

Erect and dismantle steeplejack scaffolds

Developed by	ConstructionSkills
Version number	3
Date approved	March 2012
Indicative review date	March 2017
Validity	Current
Status	Original
Originating organisation	ConstructionSkills
Original URN	VR253
Relevant occupations	Scaffolders, Stagers and Riggers
Suite	Accessing Operations and Rigging (Construction)
Key words	Steeplejack; Scaffolds, Erecting; Fall protection; Tube and fitting; Ropes; Dismantling; Scaffold structure

Overview

This standard is about

9 interpreting information

10 adopting safe and healthy working practices

11 selecting materials, components and equipment

12 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:*
- P13 interpret the given information relating to the work and resources to confirm its relevance
 - P14 comply with the given, relevant legislation and official guidance to carry out your work and maintain safe work practices
 - P15 select the required quantity and quality of resources for the methods of work
 - P16 comply with organisational procedures to minimise the risk of damage to the work and surrounding area
 - P17 comply with the given contract information to carry out the work efficiently to the required specification
 - P18 complete the work within the allocated time, in accordance with the programme of work

COSVR254

Erect and remove specialist access equipment

Knowledge and understanding

You need to know and understand:

Performance Criteria 1

Interpretation of information

- K35 the organisational procedures developed to report and rectify inappropriate **information** and unsuitable **resources**, and how they are implemented
- K36 the types of **information**, their source and how they are interpreted
- K37 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:

- K38 the level of understanding operatives must have of **information** for relevant, current **legislation and official guidance** and how it is applied
- K39 how **emergencies** should be responded to and who should respond
- K40 the organisational **security procedures** for tools, equipment and personal belongings
- K41 what the accident reporting procedures are and who is responsible for making the report
- K42 why, when and how **personal protective equipment (PPE)** should be used

Performance Criteria 3

Selection of resources

You need to know and understand:

- K43 the characteristics, quality, uses, sustainability, limitations and defects associated with the **resources** and how defects should be rectified
- K44 how the **resources** should be used and how any **problems** associated with the **resources** are reported
- K45 the organisational procedures to select **resources**, why they have been developed and how they are used
- K46 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:

K47 how to **protect work** from damage and the purpose of protection

K48 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:

K49 how **methods of work**, to meet the specification, are carried out and **problems** reported

K50 how **maintenance** of tools and equipment is carried out

Performance Criteria 6

Allocated time

You need to know and understand:

K51 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

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

Performance Criteria 2

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

22.1 methods of work

22.2 safe use of personal protective equipment (PPE)

22.3 safe use of access equipment

22.4 safe use and storage of materials, tools and equipment

Performance Criteria 3

23 selection of resources associated with own work

23.1 materials, components, fixings/anchors and ties

23.2 tools and equipment

Performance Criteria 4

24 protection of the work and its surrounding area from damage

25 minimise damage and maintain a clean work space

26 disposal of waste in accordance with current legislation

Performance Criteria 5

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

28 use and maintain hand tools and ancillary equipment

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

29.1 steeplejacking: vertical ladders and roof ladders

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

29.3 rigging – suspended access equipment: suspended platforms

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

Performance Criteria 6

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

Erect and remove specialist access equipment

Scope/range related to knowledge and understanding

Disposal of waste

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

Emergencies

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

36.1 fires, spillages, injuries

36.2 emergencies relating to occupational activities

Hazards

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

Information

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

Legislation and official guidance

39 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

40 operative care of hand tools and ancillary equipment

Erect and remove specialist access equipment

Methods of work

- 41 application of knowledge for safe and healthy work practices, procedures and skills relating to the method/area of work and materials used to:
 - 41.1 identify the occupational environment
 - 41.2 confirm the type of access equipment (vertical ladders, roof ladders, crawler boards, rope ladders, cradles, bosun's seats, metal sections and suspended platforms)
 - 41.3 check and prepare to erect specialist access equipment
 - 41.4 position, erect and secure the equipment
 - 41.5 dismantle and remove the equipment
 - 41.6 install and test anchors and ties
 - 41.7 identify the inspection criteria for completed specialist access equipment
 - 41.8 visually inspect fall protection equipment
 - 41.9 use hand tools and ancillary equipment
 - 41.10 work at height
 - 41.11 use access equipment
- 42 team work and communication
- 43 needs of other occupations associated with erecting and removing specialised access equipment

Personal protective equipment (PPE)

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

Problems

- 45 those arising from information, resources and methods of work
 - 45.1 own authority to rectify
 - 45.2 organisational reporting procedures

Programme

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

Protect work

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

COSVR254

Erect and remove specialist access equipment

Resources

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

49.1 vertical ladders

49.2 roof ladders

49.3 crawler boards

49.4 rope ladders

49.5 cradles

49.6 bosun's seats

49.7 decking frames

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

49.9 hand tools and ancillary equipment

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

Security procedures

51 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

Version number 3

Date approved January 2010

Indicative review date April 2014

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

COSVR263

Secure and use rope access arrangements



Overview

This standard is about

- 1 interpreting information
- 2 adopting safe and healthy working practices
- 3 selecting materials, components and equipment
- 4 preparing, securing and using rope access arrangements to carry out manoeuvring activities

COSVR263

Secure and use rope access arrangements

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

COSVR263

Secure and use rope access arrangements

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

COSVR263

Secure and use rope access arrangements

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

COSVR263

Secure and use rope access arrangements

Additional Information

Scope/range related to performance criteria

Performance Criteria 1

- 1 interpretation of specifications, method statements, risk assessments 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, fix, secure, test and remove
- 8 demonstration of work skills to manoeuvre by descent, ascent, change-over, rope to rope, transfer and passing the knot, re-belay, deviation and aid climbing
- 9 use and maintain ropes and ancillary equipment
- 10 secure and use rope access arrangements to carry out manoeuvres 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

COSVR263

Secure and use rope access arrangements

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 and regulations associated with working at height

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

COSVR263

Secure and use rope access arrangements

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 method of rope accessing to be arranged and used
 - 7.2 position and set out
 - 7.3 fit, fix and secure
 - 7.4 test and use
 - 7.5 ascend and descend safely and securely using approved techniques and following recognised codes of practice
 - 7.6 take down and remove rope access arrangement
 - 7.7 visually inspect fall protection equipment
 - 7.8 install and test ties and anchors
 - 7.9 identify the test and use criteria for rope access equipment
 - 7.10 apply the hierarchy of control measures for working at height
 - 7.11 apply rescue plans relating to methods of access
 - 7.12 use hand tools, ropes and ancillary equipment
 - 7.13 work at height
 - 7.14 use access equipment
- 8 team work and communication
- 9 needs of other occupations associated with establishing and using rope access arrangements

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

COSVR263

Secure and use rope access arrangements

Resources

- 15 materials, components and equipment relating to types, quantity, quality, sizes and sustainability of standard and/or specialist
 - 15.1 ropes
 - 15.2 fixing and securing components
 - 15.3 anchors and ties
 - 15.4 hand tools
 - 15.5 ancillary equipment
- 16 methods of calculating quantity, length, weight and wastage associated with the method/procedure to establish and use rope access arrangements

Security procedures

- 17 site, workplace, company and operative

COSVR263

Secure and use rope access arrangements

Developed by ConstructionSkills

Version number 2

Date approved January 2010

Indicative review date April 2014

Validity Current

Status Original

Originating organisation ConstructionSkills

Original URN VR263

Relevant occupations Scaffolders, Stagers and Riggers

Suite Accessing Operations and Rigging (Construction)

Key words Rope-access; Straight-drop; Double-drop; Ropes; Single-rope; Double-drop

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

COSVR410

Erect and dismantle steeplejack scaffolds for multi-faceted surfaces



Overview

This standard is about

- 1 interpreting information
- 2 adopting safe and healthy working practices
- 3 selecting materials, components and equipment
- 4 preparing, erecting, dismantling steeplejack scaffolds for multi-faceted surfaces

COSVR410

Erect and dismantle steeplejack scaffolds for multi-faceted surfaces

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

COSVR410

Erect and dismantle steeplejack scaffolds for multi-faceted surfaces

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

COSVR410

Erect and dismantle steeplejack scaffolds for multi-faceted surfaces

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

COSVR410

Erect and dismantle steeplejack scaffolds for multi-faceted surfaces

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 tube and fitting and/or systems scaffold for steeplejack scaffolds to given working instructions, for at least one of the following
 - 9.1 internal multi-faceted surfaces
 - 9.2 external multi-faceted surfaces

Performance Criteria 6

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

COSVR410

Erect and dismantle steeplejack scaffolds for multi-faceted surfaces

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 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

COSVR410

Erect and dismantle steeplejack scaffolds for multi-faceted surfaces

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 area to erect the scaffold
 - 7.2 confirm that the stability of the multi-faceted surface's foundation/structure on which the scaffold will be erected and secured has been considered
 - 7.3 calculate weight distribution and load balance
 - 7.4 confirm the materials and component make-up (tube and fitting, systems scaffold)
 - 7.5 set out and prepare for the scaffold structure on multi-faceted surfaces
 - 7.6 erect and secure the scaffold for use by other occupations
 - 7.7 dismantle and remove scaffold from multi-faceted surfaces
 - 7.8 install and test anchors and ties
 - 7.9 visually inspect fall protection equipment
 - 7.10 use hand tools, power 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 erecting and dismantling scaffolds on multi-faceted surfaces

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

COSVR410

Erect and dismantle steeplejack scaffolds for multi-faceted surfaces

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 ancillary equipment
- 16 methods of calculating quantity, length and area associated with the method/procedure to erect and dismantle scaffolds on multi-faceted surfaces

Security procedures

- 17 site, workplace, company and operative

COSVR410

Erect and dismantle steeplejack scaffolds for multi-faceted surfaces

Developed by ConstructionSkills

Version number 2

Date approved January 2010

Indicative review date April 2014

Validity Current

Status Original

Originating organisation ConstructionSkills

Original URN VR410

Relevant occupations Scaffolders, Stagers and Riggers

Suite Accessing Operations and Rigging (Construction)

Key words Steeplejack-scaffolds; Multi-faceted surfaces; Dismantle; Ladders; Ropes; Tube and Fitting; Systems scaffold

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

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Date approved January 2010

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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

COSVR414

Install sheet metal cladding to chimneys or ducting



Overview

This standard is about

- 1 interpreting information
- 2 adopting safe and healthy working practices
- 3 selecting materials, components and equipment
- 4 preparing, installing, removing and maintaining sheet metal cladding components for chimneys or ducting

COSVR414

Install sheet metal cladding to chimneys or ducting

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

COSVR414

Install sheet metal cladding to chimneys or ducting

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

COSVR414

Install sheet metal cladding to chimneys or ducting

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

COSVR414

Install sheet metal cladding to chimneys or ducting

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

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, check, cut, fit, fix, position, secure and remove
- 8 use and maintain hand tools, portable power tools and ancillary equipment
- 9 install, dismantle and maintain components to the structural fabric to given working instructions, relating to the installation of sheet metal fabric chimneys or ducting

Performance Criteria 6

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

COSVR414

Install sheet metal cladding to chimneys or ducting

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 governing buildings and official guidance associated with sheet metal cladding installation, removal and maintenance 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

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 types of chimney structure and structural fabric
 - 7.2 confirm means of access to carry out cladding
 - 7.3 confirm the type of materials and components and how they can be installed
 - 7.4 prepare/assemble materials and component parts for installation
 - 7.5 position, fit and secure the materials and components according to given specification and official guidance for chimney structures
 - 7.6 install and test anchors and ties
 - 7.7 visually inspect fall protection equipment
 - 7.8 work with lifting equipment and accessories
 - 7.9 use hand tools, and ancillary equipment
 - 7.10 work at height
 - 7.11 use access equipment
- 8 team work and communication
- 9 needs of other occupations associated with installing, removing and maintaining sheet metal cladding components for chimneys or ducting

COSVR414

Install sheet metal cladding to chimneys or ducting

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 sheet metal cladding, joint sealants, adhesives, rivets, packing, insulation, self-tapping screws

15.2 anchors and ties

15.3 hand and powered tools, ancillary equipment and access equipment

16 methods of calculating quantity, length, area and wastage associated with the method/procedure to install, remove and maintain sheet metal cladding components for chimneys and ducting

Security procedures

17 site, workplace, company and operative

COSVR414

Install sheet metal cladding to chimneys or ducting

Developed by ConstructionSkills

Version number 2

Date approved January 2010

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Validity Current

Status Original

Originating organisation ConstructionSkills

Original URN VR414

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

Suite Accessing Operations and Rigging (Construction)

Key words Chimneys; Ducting; Sheet-metal cladding; Rivets

COSVR415

Install ducting and flue 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 installing structural components of steel ducting and flue systems

COSVR415

Install ducting and flue 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

COSVR415

Install ducting and flue 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

COSVR415

Install ducting and flue 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

COSVR415

Install ducting and flue 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

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 check, measure, mark, cut, drill, guide, position, fit, assemble, level, align, fix and secure
- 8 use and maintain hand tools, portable power tools and ancillary equipment
- 9 install steel ducting and/or flue systems to given working instructions for the following
 - 9.1 horizontal, inclined and/or vertical
 - 9.2 plain and insulated

Performance Criteria 6

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

COSVR415

Install ducting and flue 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 governing buildings and official guidance associated with installation 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, powered tools and ancillary 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 and confirm steel ducting and flue structural components for installation
 - 7.2 confirm means of access to carry out the work
 - 7.3 evaluate and confirm the suitability of the backgrounds and surfaces
 - 7.4 confirm and set out dimensional positioning
 - 7.5 prepare, position, assemble and install steel ducting and flue systems
 - 7.6 install and test anchors and ties
 - 7.7 visually inspect fall protection equipment
 - 7.8 work with lifting equipment and accessories
 - 7.9 use hand tools, and ancillary equipment
 - 7.10 work at height
 - 7.11 use access equipment
- 8 team work and communication
- 9 needs of other occupations associated with installing ducting and flue systems

COSVR415

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

15.1 duct sections, dampers, wall plates, roof plates, weather hoods, joint sealants, gaskets, support steelwork, expansion joints, shims, insulation, cladding, flange boxes, flange bonding units, supports and stays

15.2 fixings, anchors and ties

15.3 hand and powered tools, ancillary equipment and access equipment

16 methods of calculating quantity, length, area and wastage associated with the method/procedure to install the structural components of steel ducting and flues

Security procedures

17 site, workplace, company and operative

COSVR415

Install ducting and flue systems

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Originating organisation ConstructionSkills

Original URN VR415

Relevant occupations Construction and Building Trades

Suite Accessing Operations and Rigging (Construction)

Key words Steel-ducting; Flues; Insulated; Dampers; Weather-hoods; Roof-plates; Flange-boxes