

Developer's pack
National Occupational Standards
for
Demolition
(Construction)

Project 2019/2020

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COSVR154

Remove and segregate components prior to demolition



Overview

This standard is about

- 1 interpreting information
- 2 adopting safe and healthy working practices
- 3 selecting equipment
- 4 removing and segregating materials and components by hand, prior to demolition, for recycling and/or disposal

COSVR154

Remove and segregate components prior to demolition

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

COSVR154

Remove and segregate components prior to demolition

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 the types of **fire extinguishers** and how and when they are used
- K6 how **emergencies** should be responded to and who should respond
- K7 the organisational **security procedures** for tools, equipment and personal belongings
- K8 what the accident reporting procedures are and who is responsible for making the report
- K9 why, when and how **health and safety control equipment** should be used

Performance Criteria 3

Selection of resources

You need to know and understand:

- K10 the characteristics, quality, uses, sustainability, limitations and defects associated with the **resources** and how defects should be rectified
- K11 how the **resources** should be used and how any **problems** associated with the **resources** are reported
- K12 the organisational procedures to select **resources**, why they have been developed and how they are used
- K13 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:

- K14 how to protect work from damage and the purpose of protection
- K15 why **disposal of waste** should be carried out safely and how it is achieved

COSVR154

Remove and segregate components prior to demolition

Performance Criteria 5

Meet the contract specification

You need to know and understand:

- K16 how **methods of work**, to meet the specification, are carried out and **problems** reported
- K17 how **maintenance** of tools and equipment is carried out

Performance Criteria 6

Allocated time

You need to know and understand:

- K18 what the **programme** is for the work to be carried out in the estimated, allocated time and why deadlines should be kept

COSVR154

Remove and segregate components prior to demolition

Additional Information

Scope/range related to performance criteria

Performance Criteria 1

- 1 interpretation of drawings, specifications, schedules, method statements, and risk assessments 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 health and safety control equipment
 - 2.3 safe use of access equipment
 - 2.4 segregation and safe storage of materials
 - 2.5 safe use and storage of tools and equipment

Performance Criteria 3

- 3 selection of resources associated with own work
 - 3.1 demolition tools and equipment
 - 3.2 waste and/or recycling containers

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 disconnect, dismantle, segregate and remove
- 8 use and maintain (checks) demolition tools and equipment and ancillary equipment
- 9 remove and segregate the following materials and components by hand for disposal and/or recycling to given working instructions
 - 9.1 timber
 - 9.2 metal
 - 9.3 bricks and/or blocks
 - 9.4 glass
 - 9.5 sanitary ware
 - 9.6 fixtures and fittings
 - 9.7 mechanical and electrical equipment

Performance Criteria 6

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

COSVR154

Remove and segregate components prior to demolition

Scope/range related to knowledge and understanding

Disposal of waste

- 1 environmental responsibilities, organisational procedures, statutory regulations and official guidance relating to segregation and recycling procedures

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

Fire extinguishers

- 3 water, CO₂, foam, powder and their uses

Hazards

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

Health and safety control equipment

- 5 identified by the principles of protection for occupational use, types and purpose of each type, work situations and general work environment
 - 5.1 collective protective measures
 - 5.2 personal protective equipment (PPE)
 - 5.3 respiratory protective equipment (RPE)
 - 5.4 local exhaust ventilation (LEV)

Information

- 6 drawings, specifications, schedules, method statements, risk assessments, site inductions, tool box talks, statutory regulations and official guidance relating to segregation and recycling or disposal of waste

Legislation and official guidance

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

Maintenance

- 8 operative checks of demolition tools hand tools and/or portable power tools, access equipment and ancillary equipment

COSVR154

Remove and segregate components prior to demolition

Methods of work

- 9 application of knowledge for safe work practices, procedures and skills, relating to the method/area of work and materials used, to
 - 9.1 remove and segregate materials, components and/or recyclable items: timber, metal, bricks and/or blocks, glass, sanitary ware, fixtures and fittings, mechanical and electrical equipment
 - 9.2 use demolition, tools and equipment
 - 9.3 work at height
 - 9.4 use access equipment
- 10 team work and communication
- 11 needs of other occupations associated with removal and segregation of materials and components

Problems

- 12 those arising from information, resources and methods of work
 - 12.1 own authority to rectify
 - 12.2 organisational reporting procedures

Programme

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

Resources

- 16 tools and equipment relating to types, quantity, quality, sizes and sustainability of standard and/or specialist
 - 16.1 demolition tools and equipment
 - 16.2 waste and/or recycling containers

Security procedures

- 17 site, workplace, company and operative

COSVR154

Remove and segregate components prior to demolition

Developed by ConstructionSkills

Version number 2

Date approved January 2011

Indicative review date February 2016

Validity Current

Status Original

Originating organisation ConstructionSkills

Original URN VR154

Relevant occupations Construction Operatives

Suite Demolition

Key words Segregate; Disposal; Recycle

COSVR155

Demolish/dismantle masonry and concrete structures



Overview

This standard is about

- 1 interpreting information
- 2 adopting safe and healthy working practices
- 3 selecting plant, machinery and equipment
- 4 demolishing/dismantling masonry and concrete structures using demolition tools and equipment
- 5 segregate all arisings for recycling or disposal

COSVR155

Demolish/dismantle masonry and concrete structures

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

COSVR155

Demolish/dismantle masonry and concrete structures

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 the types of **fire extinguishers** and how and when they are used
- K6 how **emergencies** should be responded to and who should respond
- K7 the organisational **security procedures** for tools, equipment and personal belongings
- K8 what the accident reporting procedures are and who is responsible for making the report
- K9 why, when and how **health and safety control equipment** should be used

Performance Criteria 3

Selection of resources

You need to know and understand:

- K10 the characteristics, quality, uses, sustainability, limitations and defects associated with the **resources** and how defects should be rectified
- K11 how the **resources** should be used and how any **problems** associated with the **resources** are reported
- K12 the organisational procedures to select **resources**, why they have been developed and how they are used
- K13 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:

- K14 how to **protect work** from damage and the purpose of protection
- K15 why **disposal of waste** should be carried out safely and how it is achieved

COSVR155

Demolish/dismantle masonry and concrete structures

Performance Criteria 5

Meet the contract specification

You need to know and understand:

- K16 how **methods of work**, to meet the specification, are carried out and **problems** reported
- K17 how **maintenance** of tools and equipment is carried out

Performance Criteria 6

Allocated time

You need to know and understand:

- K18 what the **programme** is for the work to be carried out in the estimated, allocated time and why deadlines should be kept

COSVR155

Demolish/dismantle masonry and concrete structures

Additional Information

Scope/range related to performance criteria

Performance Criteria 1

- 1 interpretation of drawings, specifications, schedules, method statements and risk assessments 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 health and safety control equipment
 - 2.3 safe use of access equipment
 - 2.4 segregation and safe storage of materials
 - 2.5 safe use and storage of demolition tools and equipment

Performance Criteria 3

- 3 selection of resources associated with own work
 - 3.1 demolition tools and equipment
 - 3.2 plant and machinery
 - 3.2 waste and/or recycling containers

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 release, handle, lower, sort, stack/store, break and load
- 8 use and maintain (checks) demolitions tools and equipment
- 9 demolish and/or dismantle, remove and segregate masonry and concrete structures for disposal and/or recycling 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

COSVR155

Demolish/dismantle masonry and concrete structures

Scope/range related to knowledge and understanding

Disposal of waste

- 1 environmental responsibilities, organisational procedures, statutory regulations and official guidance relating to segregation and recycling procedures

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

Fire extinguishers

- 3 water, CO₂, foam, powder and their uses

Hazards

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

Health and safety control equipment

- 5 identified by the principles of protection for occupational use, types and purpose of each type, work situations and general work environment
 - 5.1 collective protective measures
 - 5.2 personal protective equipment (PPE)
 - 5.3 respiratory protective equipment (RPE)
 - 5.4 local exhaust ventilation (LEV)

Information

- 6 drawings, specifications, schedules, method statements, risk assessments, site inductions, tool box talks and statutory regulations and official guidance relating to segregation and recycling or disposal of waste

Legislation and official guidance

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

Maintenance

- 8 operative checks of demolition tools and equipment

COSVR155

Demolish/dismantle masonry and concrete structures

Methods of work

- 9 application of knowledge for safe work practices, procedures and skills, relating to the method/area of work and materials used, to
 - 9.1 erect barriers and warning notices
 - 9.2 demolish and/or dismantle masonry and concrete structures
 - 9.3 segregate all arisings for recycling or disposal
 - 9.4 use demolition tools and equipment
 - 9.5 work at height
 - 9.6 use access equipment
- 10 team work and communication
- 11 needs of other occupations associated with demolishing/dismantling masonry and concrete structures

Problems

- 12 those arising from information, resources and methods of work
 - 12.1 own authority to rectify
 - 12.2 organisational reporting procedures

Programme

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

Protect work

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

Resources

- 16 tools and equipment relating to types, quantity, quality, sizes and sustainability of standard and/or specialist
 - 16.1 demolition tools and equipment
 - 16.2 waste/recycling containers

Security procedures

- 17 site, workplace, company and operative

COSVR155

Demolish/dismantle masonry and concrete structures

Developed by ConstructionSkills

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Validity Current

Status Original

Originating organisation ConstructionSkills

Original URN VR155

Relevant occupations Construction Operatives

Suite Demolition; Accessing Operations and Rigging (Construction)

Key words Disposal; Waste materials; Segregate; Recycle

COSVR156

Demolish/dismantle roofs and cladding



Overview

This standard is about

- 1 interpreting information
- 2 adopting safe and healthy working practices
- 3 selecting equipment
- 4 demolishing/dismantle roofs and cladding using demolition tools and equipment
- 5 remove and segregate materials and/or composites for recycling or disposal

COSVR156

Demolish/dismantle roofs and cladding

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

COSVR156

Demolish/dismantle roofs and cladding

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 the types of **fire extinguishers** and how and when they are used
- K6 how **emergencies** should be responded to and who should respond
- K7 the organisational **security procedures** for tools, equipment and personal belongings
- K8 what the accident reporting procedures are and who is responsible for making the report
- K9 why, when and how **health and safety control equipment** should be used

Performance Criteria 3

Selection of resources

You need to know and understand:

- K10 the characteristics, quality, uses, sustainability, limitations and defects associated with the **resources** and how defects should be rectified
- K11 how the **resources** should be used and how any **problems** associated with the **resources** are reported
- K12 the organisational procedures to select **resources**, why they have been developed and how they are used
- K13 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:

- K14 how to **protect work** from damage and the purpose of protection
- K15 why **disposal of waste** should be carried out safely and how it is achieved

COSVR156

Demolish/dismantle roofs and cladding

You need to know and understand:

Performance Criteria 5

Meet the contract specification

- K16 how **methods of work**, to meet the specification, are carried out and **problems** reported
- K17 how **maintenance** of tools and equipment is carried out

Performance Criteria 6

Allocated time

You need to know and understand:

- K18 what the **programme** is for the work to be carried out in the estimated, allocated time and why deadlines should be kept

COSVR156

Demolish/dismantle roofs and cladding

Additional Information

Scope/range related to performance criteria

Performance Criteria 1

- 1 interpretation of drawings, specifications, schedules, method statements and risk assessments 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 health and safety control equipment
 - 2.3 safe use of access equipment
 - 2.4 segregation and storage of materials
 - 2.5 safe use and storage of tools and equipment

Performance Criteria 3

- 3 selection of resources associated with own work
 - 3.1 demolition tools and equipment
 - 3.2 waste and/or recycling containers

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 release, handle, lower, treat, wrap, segregate and load.
- 8 use and maintain (checks) demolition tools and equipment
- 9 remove and segregate glass, metal and plastics and one of the following for disposal and/or recycling to given working instructions
 - 9.1 asbestos cement products
 - 9.2 composite panels

Performance Criteria 6

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

COSVR156

Demolish/dismantle roofs and cladding

Scope/range related to knowledge and understanding

Disposal of waste

- 1 environmental responsibilities, organisational procedures, statutory regulations and official guidance relating to segregation and recycling procedures

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

Fire extinguishers

- 3 water, CO₂, foam, powder and their uses

Hazards

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

Health and safety control equipment

- 5 identified by the principles of protection for occupational use, types and purpose of each type, work situations and general work environment
 - 5.1 collective protective measures
 - 5.2 personal protective equipment (PPE)
 - 5.3 respiratory protective equipment (RPE)
 - 5.4 local exhaust ventilation (LEV)

Information

- 6 drawings, specifications, schedules, method statements, risk assessments, site inductions, tool box talks and statutory regulations and official guidance relating to segregation and recycling or disposal of waste

Legislation and official guidance

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

Maintenance

- 8 operative checks of demolition tools and equipment

COSVR156

Demolish/dismantle roofs and cladding

Methods of work

- 9 application of knowledge for safe work practices, procedures and skills, relating to the method/area of work and materials used, to
 - 9.1 erect barriers and warning notices
 - 9.2 identify and report hazards
 - 9.3 demolish/dismantle roofs and cladding
 - 9.4 remove and segregate asbestos cement products, glass, metal, plastics and composite panels
 - 9.5 recycle or dispose of arisings
 - 9.6 use demolition tools and equipment
 - 9.7 work at height
 - 9.8 use access equipment
- 10 team work and communication
- 11 needs of other occupations associated with demolishing/dismantling roofs and cladding

Problems

- 12 those arising from information, resources and methods of work
 - 12.1 own authority to rectify
 - 12.2 organisational reporting procedures

Programme

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

Protect work

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

Resources

- 16 tools and equipment relating to types, quantity, quality, sizes and sustainability of standard and/or specialist
 - 16.1 demolition tools and equipment
 - 16.2 waste/recycling containers

Security procedures

- 17 site, workplace, company and operative

COSVR156

Demolish/dismantle roofs and cladding

Developed by ConstructionSkills

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Date approved January 2011

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Validity Current

Status Original

Originating organisation ConstructionSkills

Original URN VR156

Relevant occupations Construction Operatives

Suite Demolition

Key words Asbestos cement; Composite panels; Dismantle; Segregate

COSVR157

Demolish/dismantle timber-framed structures



Overview

This standard is about

- 1 interpreting information
- 2 adopting safe and healthy working practices
- 3 selecting equipment
- 4 demolishing/dismantling timber framed structures and roof components using demolition tools and equipment
- 5 segregate all arisings for recycling or disposal

COSVR157

Demolish/dismantle timber-framed structures

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

COSVR157

Demolish/dismantle timber-framed structures

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 the types of **fire extinguishers** and how and when they are used
- K6 how **emergencies** should be responded to and who should respond
- K7 the organisational **security procedures** for tools, equipment and personal belongings
- K8 what the accident reporting procedures are and who is responsible for making the report
- K9 why, when and how **health and safety control equipment** should be used

Performance Criteria 3

Selection of resources

You need to know and understand:

- K10 the characteristics, quality, uses, sustainability, limitations and defects associated with the **resources** and how defects should be rectified
- K11 how the **resources** should be used and how any **problems** associated with the **resources** are reported
- K12 the organisational procedures to select **resources**, why they have been developed and how they are used
- K13 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:

- K14 how to **protect work** from damage and the purpose of protection
- K15 why **disposal of waste** should be carried out safely and how it is achieved

COSVR157

Demolish/dismantle timber-framed structures

Performance Criteria 5

Meet the contract specification

You need to know and understand:

- K16 how **methods of work**, to meet the specification, are carried out and **problems** reported
- K17 how **maintenance** of tools and equipment is carried out

Performance Criteria 6

Allocated time

You need to know and understand:

- K18 what the **programme** is for the work to be carried out in the estimated, allocated time and why deadlines should be kept

COSVR157

Demolish/dismantle timber-framed structures

Additional Information

Scope/range related to performance criteria

Performance Criteria 1

- 1 interpretation of drawings, specifications, schedules, method statements and risk assessments 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 health and safety control equipment
 - 2.3 safe use of access equipment
 - 2.4 segregation and safe storage of materials
 - 2.5 safe use and storage of tools and equipment

Performance Criteria 3

- 3 selection of resources associated with own work
 - 3.1 demolition tools and equipment
 - 3.2 waste and/or recycling containers

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 release, handle, lower, segregate and load
- 8 use and maintain (checks) demolition tools and equipment
- 9 demolish and/or dismantle and segregate the following to given working instructions
 - 9.1 timber-framed structures
 - 9.2 roof components.

Performance Criteria 6

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

COSVR157

Demolish/dismantle timber-framed structures

Scope/range related to knowledge and understanding

Disposal of waste

- 1 environmental responsibilities, organisational procedures, statutory regulations and official guidance relating to segregation and recycling procedures

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

Fire extinguishers

- 3 water, CO₂, foam, powder and their uses

Hazards

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

Health and safety control equipment

- 5 identified by the principles of protection for occupational use, types and purpose of each type, work situations and general work environment
 - 5.1 collective protective measures
 - 5.2 personal protective equipment (PPE)
 - 5.3 respiratory protective equipment (RPE)
 - 5.4 local exhaust ventilation (LEV)

Information

- 6 drawings, specifications, schedules, method statements, risk assessments, site inductions, tool box talks and statutory regulations and official guidance relating to segregation and recycling or disposal of waste

Legislation and official guidance

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

Maintenance

- 8 operative checks of demolition tools and equipment

COSVR157

Demolish/dismantle timber-framed structures

Methods of work

- 9 application of knowledge for safe work practices, procedures and skills, relating to the method/area of work and materials used, to
 - 9.1 erect barriers and warning notices
 - 9.2 identify and report hazards
 - 9.3 demolish and/or dismantle: timber-framed structures and roof components
 - 9.4 segregate components for recycling or disposal
 - 9.5 use demolition tools and equipment
 - 9.6 work at height
 - 9.7 use access equipment
- 10 team work and communication
- 11 needs of other occupations associated with demolishing/dismantling timber framed structures

Problems

- 12 those arising from information, resources and methods of work
 - 12.1 own authority to rectify
 - 12.2 organisational reporting procedures

Programme

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

Protect work

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

Resources

- 16 tools and equipment relating to types, quantity, quality, sizes and sustainability of standard and/or specialist
 - 16.1 demolition tools and equipment
 - 16.2 waste/recycling containers

Security procedures

- 17 site, workplace, company and operative

COSVR157

Demolish/dismantle timber-framed structures

Developed by ConstructionSkills

Version number 2

Date approved January 2011

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Validity Current

Status Original

Originating organisation ConstructionSkills

Original URN VR157

Relevant occupations Construction Operatives

Suite Demolition

Key words Waste materials; Disposal; Recycle

COSVR158

Demolish/dismantle steel-framed structures



Overview

This standard is about

- 1 interpreting information
- 2 adopting safe and healthy working practices
- 3 selecting equipment
- 4 demolishing/dismantling steel framed structures
- 5 releasing and separating components using hot cutting equipment
- 6 removing and segregating materials and components for recycling and/or disposal using demolition tools and equipment

COSVR158

Demolish/dismantle steel-framed structures

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

COSVR158

Demolish/dismantle steel-framed structures

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 the types of **fire extinguishers** and how and when they are used
- K6 how **emergencies** should be responded to and who should respond
- K7 the organisational **security procedures** for tools, equipment and personal belongings
- K8 what the accident reporting procedures are and who is responsible for making the report
- K9 why, when and how **health and safety control equipment** should be used

Performance Criteria 3

Selection of resources

You need to know and understand:

- K10 the characteristics, quality, uses, sustainability, limitations and defects associated with the **resources** and how defects should be rectified
- K11 how the **resources** should be used and how any **problems** associated with the **resources** are reported
- K12 the organisational procedures to select **resources**, why they have been developed and how they are used
- K13 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:

- K14 how to **protect work** from damage and the purpose of protection
- K15 why **disposal of waste** should be carried out safely and how it is achieved

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Demolish/dismantle steel-framed structures

Performance Criteria 5

Meet the contract specification

You need to know and understand:

- K16 how **methods of work**, to meet the specification, are carried out and **problems** reported
- K17 how **maintenance** of tools and equipment is carried out

Performance Criteria 6

Allocated time

You need to know and understand:

- K18 what the **programme** is for the work to be carried out in the estimated, allocated time and why deadlines should be kept

COSVR158

Demolish/dismantle steel-framed structures

Additional Information

Scope/range related to performance criteria

Performance Criteria 1

- 1 interpretation of drawings, specifications, schedules, method statements and risk assessments 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 health and safety control equipment
 - 2.3 safe use of access equipment
 - 2.4 segregation and safe storage of materials
 - 2.5 safe use and storage of tools and equipment

Performance Criteria 3

- 3 selection of resources associated with own work
 - 3.1 demolition tools and equipment
 - 3.2 waste and/or recycling containers

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 release, cut, hot cut, separate and segregate
- 8 use and maintain (checks) demolition tools and equipment and hot cutting equipment.
- 9 demolish and/or dismantle and segregate steel-framed structures and components 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

COSVR158

Demolish/dismantle steel-framed structures

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

Fire extinguishers

- 3 water, CO₂, foam, powder and their uses

Hazards

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

Health and safety control equipment

- 5 identified by the principles of protection for occupational use, types and purpose of each type, work situations and general work environment
 - 5.1 collective protective measures
 - 5.2 personal protective equipment (PPE)
 - 5.3 respiratory protective equipment (RPE)
 - 5.4 local exhaust ventilation (LEV)

Information

- 6 drawings, specifications, schedules, method statements, risk assessments, site inductions, tool-box talks and statutory regulations and official guidance relating to segregation and recycling or disposal of waste

Legislation and official guidance

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

Maintenance

- 8 operative checks of demolition tools, equipment and hot cutting equipment

COSVR158

Demolish/dismantle steel-framed structures

Methods of work

- 9 application of knowledge for safe work practices, procedures and skills, relating to the method/area of work and materials used, to
 - 9.1 erect barriers and warning notices
 - 9.2 identify and report hazards
 - 9.3 use hot cutting equipment to form drop cuts, sit cuts, holding cuts and hinge cuts
 - 9.4 demolish/dismantle steel-framed structures and components
 - 9.5 segregate steel-framed structure components and/or arisings for recycling or disposal
 - 9.6 use demolition tools, equipment and hot cutting equipment
 - 9.7 work at height
 - 9.8 use access equipment
- 10 team work and communication
- 11 needs of other occupations associated with demolishing/dismantling steel-framed structures

Problems

- 12 those arising from information, resources and methods of work
 - 12.1 own authority to rectify
 - 12.2 organisational reporting procedures

Programme

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

Protect work

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

Resources

- 16 tools and equipment relating to types, quantity, quality, sizes and sustainability of standard and/or specialist
 - 16.1 demolition tools and equipment
 - 16.2 hot cutting equipment
 - 16.3 waste/recycling containers

Security procedures

- 17 site, workplace, company and operative

COSVR158

Demolish/dismantle steel-framed structures

Developed by ConstructionSkills

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COSVR385

Operate plant or machinery to demolish



Overview

This standard is about

- 1 interpreting information.
- 2 adopting safe and healthy working practices.
- 3 selecting and/or using materials, components and equipment for plant or machinery operations
- 4 setting up, operating and shutting down plant or machinery for carrying out demolition of structures and segregation work

COSVR385

Operate plant or machinery to demolish

Performance criteria

You must be able to:

- P1 interpret the given operating information relating to the use of plant or machinery and confirm its relevance
- P2 organise with others the sequence in which the work is to be carried out
- P3 comply with the relevant, current legislation, special legal status documents, official guidance and organisational procedures to maintain safe work practices
- P4 request resources to sustain plant or machinery operations to complete the programme of work
- P5 select plant or machinery resources for the methods of work and operations to be carried out
- P6 comply with organisational procedures to minimise the risk of damage to the work and surrounding area
- P7 comply with the given contract information to carry out the work efficiently to the required specification
- P8 complete the work within the allocated time, in accordance with the programme of work

COSVR385

Operate plant or machinery to demolish

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

Organise with others

You need to know and understand:

- K4 **communication** of ideas between team members
- K5 organisation of **resources** in conjunction with the progress of work

Performance Criteria 3

Safe work practices

You need to know and understand:

- K6 the level of understanding operatives must have of **information** for relevant, current **legislation, Approved Codes of Practice and official guidance** and how it is applied
- K7 how **emergencies** should be responded to and who should respond
- K8 the organisational **security procedures** for plant and/or machinery, tools, equipment and personal belongings
- K9 what the accident reporting procedures are and who is responsible for making the report
- K10 why, when and how **personal protective equipment (PPE)** should be used

Performance Criteria 4

Request resources

You need to know and understand:

- K11 the organisational procedures for requisitioning consumables and other **resources**

COSVR385

Operate plant or machinery to demolish

You need to know and understand:

Performance Criteria 5

Selection of resources

- K12 the characteristics, quality, uses, sustainability, limitations and defects associated with plant **resources** and how defects should be rectified
- K13 how the **resources** should be used and how any **problems** associated with the **resources** are reported
- K14 the organisational procedures to select **resources**, why they have been developed and how they are used
- K15 the **hazards** associated with the **resources** and **methods of work** and how they are overcome

You need to know and understand:

Performance Criteria 6

Minimise the risk of damage

- K16 how to **protect work** from damage and the purpose of protection
- K17 why **disposal of waste** should be carried out safely and how it is achieved

You need to know and understand:

Performance Criteria 7

Meet the contract specification

- K18 how **methods of work**, to meet the specification, are carried out and **problems** reported
- K19 how **maintenance** of plant and/or machinery, tools and equipment is carried out

You need to know and understand:

Performance Criteria 8

Allocated time

- K20 what the **programme** is for the work to be carried out in the estimated, allocated time and why deadlines should be kept

COSVR385

Operate plant or machinery to demolish

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 plant or machinery operations and the work to be carried out

Performance Criteria 2

- 2 organisation of own work
- 3 communication with team members and other associated occupations about the plant or machinery operation and the work to be carried out

Performance Criteria 3

- 4 avoidance of risk by following the given information relating to the following
 - 4.1 methods of work
 - 4.2 safe use of health and safety control equipment
 - 4.3 segregation and safe storage of materials
 - 4.4 safe use and storage of plant or machinery tools and equipment

Performance Criteria 4

- 5 follow organisational procedures for the requisition of consumables, materials and other resources

Performance Criteria 5

- 6 selection of resources associated with own work:
 - 6.1 attachments, tools and ancillary equipment

Performance Criteria 6

- 7 protection of the work and its surrounding area from damage
- 8 minimise damage and maintain a clean work space
- 9 disposal of waste in accordance with legislation

Performance Criteria 7

- 10 demonstration of work skills to check, adjust, communicate, manoeuvre, position, demolish, segregate, stockpile, remove and load
- 11 use and maintain hand tools, ancillary equipment and/or accessories
- 12 operate plant or machinery to demolish structures and segregate, stockpile, remove and load materials to given working instructions
- 13 shut down and secure plant or machinery

Performance Criteria 8

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

COSVR385

Operate plant or machinery to demolish

Scope/range related to knowledge and understanding

Communication

- 1 discussions, sketches and briefings

Disposal of waste

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

Emergencies

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

Hazards

- 4 those identified by method of work, risk/COSHH assessments, manufacturers' technical information statutory regulations and official guidance

Health and safety control equipment

- 5 identified by the principles of protection for occupational use, types and purpose of each type, work situations and general work environment
 - 5.1 collective protective measures
 - 5.2 personal protective equipment (PPE)
 - 5.3 respiratory protective equipment (RPE)
 - 5.4 local exhaust ventilation (LEV)

Information

- 6 drawings, specifications, schedules, method statements, risk assessments, manufacturers' information and regulations governing the operation of plant or machinery

Legislation, Approved Codes of Practice and official guidance

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

Maintenance

- 8 operative care of plant or machinery, hand tools, ancillary equipment and/or accessories

COSVR385

Operate plant or machinery to demolish

Methods of work

- 9 application of knowledge for safe work practices, procedures and skills, relating to the method/area of work and materials used, to
 - 9.1 identify the characteristics of the plant and machinery appropriate to the demolition and segregation operation
 - 9.2 carry out performance checks for the demolition and segregation operation
 - 9.3 identify the area to be demolished
 - 9.4 carry out pre-operational checks for obstructions, safety and security of the work and surrounding area
 - 9.5 check ground conditions to ensure the stability of plant or machinery during demolition activities
 - 9.6 avoid damage to surrounding structures and utilities
 - 9.7 demolish structures
 - 9.8 segregate and safely remove materials into stockpiles and/or containers
 - 9.9 shut down and secure plant or machinery
 - 9.10 fit and remove attachments using direct and quick-hitch type couplers
 - 9.11 use hand tools, ancillary equipment and accessories
- 10 team work and communication.
- 11 needs of other occupations associated with operating plant or machinery to demolish

Problems

- 12 those arising from information, resources and methods of work
 - 12.1 own authority to rectify
 - 12.2 organisational reporting procedures

Programme

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

Protect work

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

COSVR385

Operate plant or machinery to demolish

Resources

- 16 materials, components and equipment relating to types, quantity, quality and sizes of standard and/or specialist
 - 16.1 consumables, lubricants, fuels
 - 16.2 spill kits
 - 16.3 demolition plant, machinery or attachments
 - 16.4 hand tools, ancillary equipment and/or accessories.
- 17 methods of estimating weight, quantity, length and area associated with the method/procedure to operate plant or machinery to demolish structures and segregate, stockpile, remove and load materials

Security procedures

- 18 site, workplace, company and operative

COSVR385

Operate plant or machinery to demolish

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