

Developer's Pack

National Occupational Standards

for

Demolition (Construction)

Project 2019/2020

As @ 141019

COSVR154, COSVR155, COSVR156, COSVR157,
COSVR158, COSVR385

(See 'Standard Template Update 2010 and 2011-12' for full details of generic template changes)

Development Legend

1st and 2nd Meeting - Red

3rd Meeting – Green

4th Meeting - Blue

5th Meeting – Red underlined

6th Meeting – Green underlined

7th Meeting – Blue underlined

Suggestions from other occupational representatives in red ita

31 July 2019 meeting with NFDC -

230919 NWG – 3 employers, 2 trade representatives, 2 training representatives

141019 NWG - 2 employers, 2 trade representatives, 1 training representatives

July 2019



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Demolition Imported Standards:

COSVR209 v2 Confirm work activities and resources for the work (Generic)

COSVR210 v3 Develop and maintain good working relationships (Generic)

COSVR211 v2 Confirm the occupational method of work (Generic)

COSVR212 v3 Implement and maintain health, safety, environmental and welfare practices (OWS)

COSVR213 v3 Co-ordinate and organise work operations (OWS)

COSVR214 v3 Allocate and monitor the use of plant, machinery and equipment or vehicles (OWS)

COSVR215 v3 Monitor progress against work schedules (OWS)

COSVR217 v3 Implement procedures to support team performance (OWS)

COSVR250 v2 Erect and dismantle access/working platforms (AOR)

COSVR388 v2 Operate plant or machinery to extract (PLO)

COSVR387 v2 Operate plant or machinery to lift and transfer loads (PLO)

COSVR390 v3 Operate plant or machinery to construct or form (PLO)

COSVR391 v2 Operate plant or machinery to receive and transport loads (PLO)

COSVR392 v2 Operate plant or machinery used as work platforms (PLO)

COSVR395 v2 Operate plant or machinery to process (PLO)

COSVR400 v2 Operate powered units, tools or pedestrian plant, machinery or equipment (PLO)

COSVR402 v2 Slings and signalling the movement of suspended loads (CLO)

COSVR404 v2 Erect and dismantle plant (cranes and rigs) (PLO)

COSVR641 v2 Conform to general workplace health, safety and welfare (Generic)

COSVR642 v1 Conform to productive work practices (Generic)

COSVR643 v1 Move, handle or store resources (Generic)

COSVR657 v2 Inspect and complete user maintenance on plant or machinery (PLO)

COSVR718 v2 Hand over property (CSS)

COSVR722 v1 Plan demolition activities (CSS)

COSVR723 v1 Supervise demolition activities (CSS)

COSVR760 v1 Control, direct and guide the operations of plant or machinery (PLO)

COSVR763 ? Install, construct, maintain, dismantle and remove temporary works

COSVR154

Remove and segregate components and materials prior to in demolition and/or refurbishment



Overview

This standard is about removing and segregating materials and components by hand, prior to and during demolition and/or refurbishment, for recycling, recovery and/or disposal, interpreting information, adopting safe, healthy and environmentally responsible work practices, maintaining established exclusion zones, selecting and using materials, components, tools and equipment

This standard is for people working in the occupational area of demolition and/or refurbishment and can be used by operatives, supervisors and managers

COSVR154

Remove and segregate components and materials prior to in demolition and/or refurbishment

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 and healthy 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 and materials prior to in demolition and/or refurbishment

Knowledge and understanding

Performance Criteria 1

Interpretation of information

You need to know and understand:

- 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
- K10 **how to comply with environmentally responsible work practices to meet current legislation and official guidance**

COSVR154

Remove and segregate components and materials prior to in demolition and/or refurbishment

Performance Criteria 3

Selection of resources

You need to know and understand:

- K11 the characteristics, quality, uses, sustainability, limitations and defects associated with the **resources** and how defects should be rectified
- K12 how the **resources** should be used and how any **problems** associated with the **resources** are reported
- K13 the organisational procedures to select **resources**, why they have been developed and how they are used
- K14 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:

- K15 how to **protect work** from damage and the purpose of protection
- K16 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:

- K17 how **methods of work**, to meet the specification, are carried out and **problems** reported
- K18 how **maintenance** of tools and equipment is carried out

Performance Criteria 6

Allocated time

You need to know and understand:

- K19 what the **programme** is for the work to be carried out in the estimated, allocated time and why deadlines should be kept

Remove and segregate components and materials prior to in demolition and/or refurbishment

Additional Information Scope/range related to performance criteria

Performance Criteria 1

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

Performance Criteria 2

- 2 avoidance of risk by complying with the given information relating to /at least?? of 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 safe use, segregation, storage and handling of components, materials, tools and equipment
 - 2.5 specific risks to health

Performance Criteria 3

- 3 selection of resources associated with own work
 - 3.1 materials and components fixings
 - 3.2 demolition tools and equipment
 - 3.3 waste and/or recycling containers
 - 3.4 consumables

Performance Criteria 4

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

Performance Criteria 5

- 7 demonstration of work skills to disconnect, dismantle, segregate and remove
- 8 use and maintain (operator checks) demolition hand tools, portable power tools and equipment, and ancillary equipment and consumables
- 9 maintain established exclusion zones, remove and segregate the following materials and components by hand for disposal and/or recycling and/or recovery to given working instructions
 - 9.1 timber
 - 9.2 metal
 - 9.3 bricks and blocks
 - 9.4 glass

COSVR154

Remove and segregate components and materials prior to in demolition and/or refurbishment

~~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

Remove and segregate components and materials prior to in demolition and/or refurbishment

Scope/range related to knowledge and understanding

Disposal of waste (arising and debris)

- 1 environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance relating to segregation, recycling and recovery 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, methods of work, manufacturers' technical information, statutory regulations and official guidance

Health and safety control equipment

- 5 identified by the principles of protection prevention 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, permits to work, site inductions, tool box talks, statutory regulations and manufacturers' information, electronic data, official guidance relating to segregation and recycling, recovery or disposal of waste and current regulations governing buildings associated with removal and segregation of components and materials

Legislation and official guidance

- 7 this relates to the operative's responsibilities regarding potential accidents, health hazards and the environment whilst working in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement and storage of materials by manual handling and mechanical lifting (10 point)

Remove and segregate components and materials prior to in demolition and/or refurbishment

Maintenance

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

Methods of work

- 9 application of knowledge for safe and healthy work practices, procedures and skills relating to the method and area of work and materials used to
 - 9.1 remove and segregate materials, components and/or materials for recycling, recovery and disposal items: timber, metal, bricks and/or blocks, glass, sanitary ware, fixtures and fittings, mechanical and electrical equipment
 - 9.2 store, protect and secure removed materials and components
 - 9.3 provide information for Building Information Modelling (BIM) data
 - 9.4 recognise and determine when specialist skills and knowledge are required and report accordingly
 - 9.5 determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance
 - 9.6 work with, around and in close proximity to plant and machinery
 - 9.7 direct and guide the operations and movement of plant and machinery
 - 9.8 maintain and enforce recognised exclusion zones and designated areas
 - 9.9 use demolition, hand tools, portable power tools and equipment and consumables
 - 9.10 work at height
 - 9.11 use access equipment
- 10 how to ensure effective team work and communication
- 11 needs of other occupations associated with removal and segregation of components and 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 productivity targets and time scales

COSVR154

Remove and segregate components and materials prior to in demolition and/or refurbishment

14 how times are estimated

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

Protect work

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

Resources

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

17.1 fittings and fixings

17.2 demolition hand tools, portable power tools and equipment and consumables

17.3 waste and/or recycling containers

18 confirm resources and materials conform with the specification

19 methods of calculating quantity, length, area and wastage associated with the method and procedure to remove, and segregate, recycle and recover materials and components in demolition

Security procedures

20 project, site, workplace, company and operative, vehicles, tools and plant

COSVR154

Remove and segregate components and materials prior to in demolition
and/or refurbishment

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COSVR155

Dismantle and/or demolish/dismantle masonry and/or concrete structures

Overview

This standard is about dismantling and demolishing dismantling masonry and concrete structures using demolition tools and equipment, segregating all arisings for recycling, recovery or disposal, interpreting information, adopting safe, healthy and environmentally responsible work practices, maintaining established exclusion zones, selecting and using materials, components, tools plant, machinery and equipment

This standard is for people working in the occupational area of demolition and can be used by operatives, supervisors and managers

Dismantle and/or demolish/dismantle masonry and/or concrete structures

**Additional Information
Scope/range related
to performance
criteria**

Performance Criteria 1

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

Performance Criteria 2

- 2 avoidance of risk by complying with the given information relating to **at least?? of** 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 safe use, segregation, storage **and handling** of **materials**, tools and equipment
 - 2.5 **specific risks to health**

Performance Criteria 3

- 3 selection of resources associated with own work
 - 3.1 **materials and components**
 - 3.2 demolition tools and equipment
 - 3.3 plant and machinery
 - 3.4 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 **clear n** and tidy work space
- 6 disposal of waste in accordance with **current** legislation

Performance Criteria 5

- 7 demonstration of work skills to release, handle, lower, sort, stack, **segregate,** **store,** **break out** and load **away**
- 8 use and maintain **(checks)** demolition **hand** tools, **portable power tools** and equipment, **and consumables**
- 9 **maintain established exclusion zones,** demolish and/or dismantle, **remove and segregate** masonry and/or concrete structures for disposal and/or recycling **and/or recovery** 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

Dismantle and/or demolish/dismantle masonry and/or concrete structures

Scope/range related to knowledge and understanding

Disposal of waste (arisings and debris)

- 1 environmental responsibilities, organisational procedures, **manufacturers' information**, 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, methods of work, manufacturers' technical information, statutory regulations and official guidance

Health and safety control equipment

- 5 identified by the principles of **protection prevention** 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, **permits to work**, site inductions, tool box talks, **statutory regulations and manufacturers' information**, **electronic data**, official guidance **and current regulations** relating to **segregation and recycling or disposal of waste governing buildings dismantling and demolishing masonry and concrete structures**

Dismantle and/or demolish/dismantle masonry and/or concrete structures

Legislation and official guidance

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

Maintenance

8 operative checks and care of demolition tools, care of hand tools, and/or portable power tools and ancillary equipment and consumables

Methods of work

9 application of knowledge for safe and healthy work practices, procedures and skills relating to the method and area of work and materials used to

9.1 erect barriers and warning notices

9.2 maintain and enforce recognised exclusion zones and designated areas

9.3 dismantle and demolish and/or dismantle masonry and concrete structures

9.4 remove and segregate all arisings for recycling, recovery and disposal

9.5 store and protect removed materials and components

9.6 provide information for Building Information Modelling (BIM)

9.7 recognise and determine when specialist skills and knowledge are required and report accordingly

9.8 determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance

9.9 work with, around and in close proximity to plant and machinery

9.10 direct and guide the operations and movement of plant and machinery

9.11 use demolition, hand tools, portable power tools and equipment and consumables

9.12 work at height

9.13 use access equipment

10 how to ensure effective team work and communication

11 needs of other occupations associated with demolishing dismantling and demolishing masonry and concrete structures

Dismantle and/or demolish/dismantle masonry and/or 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 **productivity targets and time scales**
- 14 **how times are estimated**
- 15 organisational procedures for reporting circumstances which will affect the work programme

Protect work

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

Resources

- 17 **materials, components** tools and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist
 - 17.1 **fittings and fixings**
 - 17.2 demolition **hand** tools, **portable power tools** and equipment
 - 17.3 waste and/or recycling containers
- 18 **confirm resources and materials conform with the specification**
- 19 **methods of calculating quantity, length, area and wastage associated with the method and procedure to dismantle and demolish masonry and concrete structures**

Security procedures

- 20 **projects, site, workplace, company and operative, vehicles, tools and plant**

COSVR156

Dismantle and/or demolish/dismantle roofs and/or cladding

Overview

This standard is about dismantling and demolishing ~~dismantling~~ roofs and cladding using demolition tools and equipment, ~~removing and segregating materials and/or composites for recycling or disposal~~, interpreting information, adopting safe, healthy and environmentally responsible work practices, maintaining established exclusion zones, selecting and using materials, components, tools and equipment

This standard is for people working in the occupational area of demolition and can be used by operatives, supervisors and managers

Dismantle and/or demolish/dismantle roofs and/or cladding

Additional Information

Scope/range related to performance criteria

Performance Criteria 1

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

Performance Criteria 2

- 2 avoidance of risk by complying with the given information relating to /at least of 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 safe use, segregation, storage and handling of materials, tools and equipment
 - 2.5 specific risks to health

Performance Criteria 3

- 3 selection of resources associated with own work
 - 3.1 materials and components and fixings
 - 3.2 demolition tools and equipment
 - 3.3 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 clear n and tidy work space
- 6 disposal of waste in accordance with current legislation

Performance Criteria 5

- 7 demonstration of work skills to release, handle, lower, treat, wrap, segregate and load
- 8 use and maintain (checks) demolition hand tools, portable power tools and equipment, consumables
- 9 maintain established exclusion zones, remove and segregate glass, metal and plastics materials and components and one of the following from roofs and/or cladding for disposal and/or recycling and/or recovery 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

Dismantle and/or demolish/dismantle roofs and/or cladding

Scope/range related to knowledge and understanding

Disposal of waste (arisings and debris)

- 1 environmental responsibilities, organisational procedures, manufacturers' information, 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, methods of work, manufacturers' technical information, statutory regulations and official guidance

Health and safety control equipment

- 5 identified by the principles of protection prevention 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, permits to work site inductions, tool box talks, statutory regulations and manufacturers' information, electronic data, official guidance and current regulations relating to segregation and recycling or disposal of waste governing buildings associated with dismantling and demolishing roofs and cladding

Legislation and official guidance

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

Dismantle and/or demolish/~~dismantle~~ roofs and/or cladding

Maintenance

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

Methods of work

- 9 application of knowledge for safe and healthy work practices, procedures and skills relating to the method and area of work and materials used to
 - 9.1 erect barriers and warning notices
 - 9.2 maintain and enforce recognised exclusions zones and designated areas
 - 9.3 ~~identify and report hazards~~
 - 9.4 dismantle and demolish ~~dismantle~~ roofs and cladding
 - 9.5 remove and segregate components and materials for recycling, recovery and disposal ~~asbestos cement products, glass, metal, plastics and composite panels~~
 - 9.6 ~~recycle or dispose of arisings~~
 - 9.7 store and protect removed components and materials
 - 9.8 provide information for Building Information Modelling (BIM)
 - 9.9 recognise and determine when specialist skills and knowledge are required and report accordingly
 - 9.10 determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance
 - 9.11 remove asbestos containing materials
 - 9.12 work with, around and in close proximity to plant and machinery
 - 9.13 direct and guide the operations and movement of plant and machinery
 - 9.14 use demolition ~~hand~~ tools, ~~portable power tools and~~ equipment and consumables
 - 9.15 work at height
 - 9.16 use access equipment
- 10 how to ensure effective team work and communication
- 11 needs of other occupations associated with dismantling and demolishing ~~dismantling~~ roofs and cladding

Problems

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

Dismantle and/or demolish/dismantle roofs and/or cladding

12.2 organisational reporting procedures

Programme

13 types of productivity targets and time scales

14 how times are estimated

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

Protect work

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

Resources

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

17.1 fittings and fixings

17.2 demolition hand tools, portable power tools and equipment

17.3 waste and/or recycling containers

18 confirm resources and materials conform with the specification

19 methods of calculating quantity, length, area and wastage associated with the method and procedure to dismantle and demolish roofs and cladding

Security procedures

20 project, site, workplace, company and operative, vehicles, tools and plant

COSVR157

Dismantle and/or demolish/dismantle timber-framed structures

Overview

This standard is about demolishing and/or dismantling timber framed structures and roof components using demolition tools and equipment, segregating all arisings for recycling or disposal, interpreting information, adopting safe, healthy and environmentally responsible work practices, maintaining established exclusion zones, selecting and using materials, components, tools and equipment

This standard is for people working in the occupational area of demolition and can be used by operatives, supervisors and managers

Dismantle and/or demolish/dismantle timber-framed structures

Additional Information

Scope/range related to performance criteria

Performance Criteria 1

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

Performance Criteria 2

- 2 avoidance of risk by complying with the given information relating to /at least of 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 safe use, segregation, storage and handling of materials, tools and equipment
 - 2.5 specific risks to health

Performance Criteria 3

- 3 selection of resources associated with own work
 - 3.1 materials and components and fixings
 - 3.2 demolition tools and equipment
 - 3.3 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 clear n and tidy work space
- 6 disposal of waste in accordance with current legislation

Demolish ~~and/or~~ dismantle timber-framed structures

Performance Criteria 5

demonstration of work skills to release, handle, lower, segregate and load

~~7 use and maintain (operator checks) demolition tools and equipment~~

8 use and maintain ~~(operator checks)~~ demolition ~~hand~~ tools, ~~portable power tools and~~ equipment and consumables, ~~and ancillary equipment~~

9 maintain established exclusion zones, demolish and/or dismantle timber framed structures and segregate for disposal and/or recycling and/or recovery 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

Demolish ~~and/or~~ dismantle timber-framed structures

Scope/range related to knowledge and understanding

Disposal of waste (arising and debris)

- 1 environmental responsibilities, organisational procedures, **manufacturers' information**, 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, methods of work, **manufacturers' technical information**, statutory regulations and official guidance

Health and safety control equipment

- 5 identified by the principles of **protection prevention** 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 manufacturers' information, electronic data** official guidance **relating to segregation and recycling or disposal of waste and current regulations governing buildings** associated with dismantling and demolishing timber-framed structures

Legislation and official guidance

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

Demolish ~~and/or~~ dismantle timber-framed structures

Maintenance

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

Methods of work

- 9 application of knowledge for safe ~~and healthy~~ work practices, procedures and skills relating to the method ~~and~~ area of work and materials used to
- 9.1 erect barriers and warning notices
 - 9.2 maintain and enforce recognised exclusion zones and designated areas
 - 9.3 identify and report hazards
 - 9.4 ~~dismantle and~~ demolish ~~and/or dismantle~~ timber-framed structures ~~and roof components~~
 - 9.5 remove ~~and~~ segregate components ~~and materials~~ for recycling, recovery ~~or~~ and disposal
 - 9.6 store and protect removed materials and components
 - 9.7 provide information for Building Information Modelling (BIM)
 - 9.8 recognise and determine when specialist skills and knowledge are required and report accordingly
 - 9.9 determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance
 - 9.10 work with, around and in close proximity to plant and machinery
 - 9.11 direct and guide the operations and movement of plant and machinery
 - 9.12 use demolition ~~hand~~ tools, ~~portable power tools and~~ equipment ~~and consumables~~
 - 9.13 work at height
 - 9.14 use access equipment
- 10 ~~how to ensure effective~~ team work and communication
- 11 needs of other occupations associated with ~~dismantling and~~ 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

COSVR157

Demolish ~~and/or~~ dismantle timber-framed structures

Programme

13 types of productivity targets and time scales

14 how times are estimated

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

Protect work

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

Resources

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

17.1 fittings and fixings

17.2 demolition hand tools, portable power tools and equipment and consumables

17.3 waste and/or recycling containers

18 confirm resources and materials conform with the specification

19 methods of calculating quantity, length, area and wastage associated with the method and procedure to dismantle and demolish timber-framed structures

Security procedures

20 project, site, workplace, company and operative, vehicles, tools and plant

COSVR158

Dismantle and/or Demolish/dismantle steel metal-framed structures

Overview

This standard is about, demolishing **and/or** dismantling steel-framed structures, releasing and separating components using hot **and cold** cutting equipment, **removing and segregating materials and components for recycling and/or disposal** using demolition tools and equipment, interpreting information, adopting safe, healthy **and environmentally responsible** work practices, **maintaining established exclusion zones, selecting and using materials, components, tools and equipment**

This standard is for people working in the occupational area of Demolition and can be used by operatives, supervisors and managers

Dismantle and/or Demolish/dismantle steel metal-framed structures

Additional Information

Scope/range related to performance criteria

Performance Criteria 1

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

Performance Criteria 2

- 2 avoidance of risk by complying with the given information relating to /at least of 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 safe use, segregation, storage and handling of materials, tools and equipment
 - 2.5 specific risks to health

Performance Criteria 3

- 3 selection of resources associated with own work
 - 3.1 materials and components and fixings
 - 3.2 demolition tools and equipment
 - 3.3 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 clear and tidy work space
- 6 disposal of waste in accordance with current legislation

Dismantle and/or Demolish/dismantle steel metal-framed structures

Performance Criteria 5

- 7 demonstration of work skills to support, release, cold cut, hot cut, separate and segregate
- 8 use and maintain ~~(operator checks)~~ demolition hand tools, ~~portable power tools and~~ equipment, ~~and~~ hot and cold cutting equipment and consumables
- 9 maintain established exclusion zones, demolish and/or dismantle and segregate steel metal-framed structures and components for disposal and/or recycling and/or recovery 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

Dismantle and/or Demolish/dismantle steel metal-framed structures

Scope/range related to knowledge and understanding

Disposal of waste (arisings and debris)

- 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, methods of work, manufacturers' technical information, statutory regulations and official guidance

Health and safety control equipment

- 5 identified by the principles of protection prevention 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, permits to work, site inductions, tool box talks, statutory regulations and manufacturers' information, electronic data, official guidance relating to segregation and recycling or disposal of waste and current regulations governing buildings associated with dismantling and demolishing metal structures

Legislation and official guidance

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

Dismantle and/or Demolish/dismantle steel metal-framed structures

Maintenance

- 8 operative checks and care of demolition tools, care of hand tools, and/or portable power tools, ancillary equipment and hot and cold cutting equipment and consumables

Methods of work

- 9 application of knowledge for safe and healthy work practices, procedures and skills relating to the method and area of work and materials used to
 - 9.1 erect barriers and warning notices
 - 9.2 maintain and enforce recognised exclusion zones and designated areas
 - ~~9.3 identify and report hazards~~
 - 9.4 identify types of support and support systems
 - 9.5 confirm the integrity and position of specified supports and support systems
 - 9.6 recognise points of compression, tension and twist
 - 9.7 use hot and cold cutting equipment to form drop cuts, sit cuts, for releasing, holding cuts and hinging cuts and weakening metal components and materials
 - 9.8 dismantle and demolish ~~dismantle steel framed~~ metal structures and components
 - 9.9 remove and segregate ~~steel framed structure~~ metal components and/or materials arisings for recycling, recovery or and disposal
 - 9.10 store and protect removed materials and components
 - 9.11 provide information for Building Information Modelling (BIM)
 - 9.12 recognise and determine when specialist skills and knowledge are required and report accordingly
 - 9.13 determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance
 - 9.14 work with, around and in close proximity to plant and machinery
 - 9.15 direct and guide the operations and movement of plant and machinery
 - 9.16 use demolition, hand tools, ~~portable power tools and~~ equipment and consumables
 - 9.17 work at height
 - 9.18 use access equipment

Dismantle and/or Demolish/dismantle steel metal-framed structures

10 how to ensure effective team work and communication

11 needs of other occupations associated with dismantling and demolishing dismantling steel framed metal 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 productivity targets and time scales

14 how times are estimated

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

Protect work

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

Resources

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

17.1 fittings and fixings

17.2 demolition hand tools, portable power tools and equipment and consumables

17.3 waste and/or recycling containers

18 confirm resources and materials conform with the specification

19 methods of calculating quantity, length, area and wastage associated with the method and procedure to dismantle and demolish roofs and cladding

Security procedures

20 project, site, workplace, company and operative, vehicles, tools and plant

COSVR385

Operate plant or machinery to **dismantle and/or** demolish

Overview

This standard is about setting up, operating and shutting down plant or machinery for carrying out demolition of structures and segregation work, interpreting information, adopting safe, healthy **and environmentally responsible** work practices, **maintaining established exclusion zones**, selecting and/or using materials, components, tools and equipment for plant or machinery operations

This standard is for people working in the occupational area of Demolition and can be used by operatives, supervisors and managers

COSVR385

Operate plant or machinery to **dismantle and/or** 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 **and healthy** 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 **dismantle and/or** demolish

Knowledge and understanding

Performance Criteria 1

Interpretation of information

You need to know and understand:

- 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 types of fire extinguishers and how and when they are used**
- K9 the organisational security procedures for plant and/or machinery, tools, equipment and personal belongings
- K10 what the accident reporting procedures are and who is responsible for making the report
- K11 why, when and how **personal protective equipment (PPE)** should be used
- K12 **how to comply with environmentally responsible work practices to meet current legislation and official guidance**

Operate plant or machinery to **dismantle and/or** demolish

Performance Criteria 4

Request resources

You need to know and understand:

K13 the organisational procedures for requisitioning consumables and other **resources**

Performance Criteria 5

Selection of resources

You need to know and understand:

K14 the characteristics, quality, uses, sustainability, limitations and defects associated with plant **resources** and how defects should be rectified

K15 how the **resources** should be used and how any **problems** associated with the resources are reported

K16 the organisational procedures to select **resources**, why they have been developed and how they are used

K17 the **hazards** associated with the **resources** and **methods of work** and how they are overcome

Performance Criteria 6

Minimise the risk of damage

You need to know and understand:

K18 how to **protect work** from damage and the purpose of protection

K19 why **disposal of waste** should be carried out safely and how it is achieved

Performance Criteria 7

Meet the contract specification

You need to know and understand:

K20 how **methods of work**, to meet the specification, are carried out and **problems** reported

K21 how **maintenance** of plant and/or machinery, tools and equipment is carried out

COSVR385

Operate plant or machinery to **dismantle and/or** demolish

Performance Criteria 8

Allocated time

You need to know and understand:

K22 what the **programme** is for the work to be carried out in the estimated, allocated time and why deadlines should be kept

Operate plant or machinery to **dismantle and/or** demolish

Additional Information

Scope/range related to performance criteria

Performance Criteria 1

- 1 interpretation of drawings, specifications, schedules, method statements, risk assessments **permits to work, manufacturers' information and organisational requirements** 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 complying with the given information relating to **at least?? of** the following
 - 4.1 methods of work
 - 4.2 safe use of health and safety control equipment
 - 4.3 **safe use of access equipment**
 - 4.4 **segregation and safe storage of demolished materials**
 - 4.5 safe use, storage **and handling** of plant or machinery, **materials**, tools and equipment
 - 4.6 **specific risks to health**

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 5

- 7 protection of the work and its surrounding area from damage
- 8 **minimise damage and** maintain a **clear n** and tidy work space
- 9 disposal of waste in accordance with **current** 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 **maintain established exclusion zones**, operate plant or machinery to demolish structures and segregate, stockpile, remove and load materials

COSVR385

Operate plant or machinery to **dismantle and/or** demolish
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

Operate plant or machinery to **dismantle and/or** demolish

Scope/range related to knowledge and understanding

Communication

- 1 discussions, sketches and briefings

Disposal of waste (arisings and debris)

- 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

Fire extinguishers

- 4 **water, CO₂, foam, powder and their uses**

Hazards

- 5 those identified by risk **/COSHH** assessments, methods of work, **Control of Substances Hazardous to Health(COSHH) assessments**, manufacturers' technical information, statutory regulations and official guidance

Health and safety control equipment

- 6 identified by the principles of **protection prevention** for occupational use, types and purpose of each type, work situations and general work environment
 - 6.1 collective protective measures
 - 6.2 personal protective equipment (PPE)
 - 6.3 respiratory protective equipment (RPE)
 - 6.4 local exhaust ventilation (LEV)

Information

- 7 drawings, specifications, schedules, method statements, risk assessments, **permits to work, site inductions, tool box talks**, manufacturers' information, **electronic data, official guidance** and **current regulations governing associated with** the operation of plant and machinery **buildings for dismantling and demolishing tasks**

Legislation, Approved Codes of Practice and official guidance

- 8 this relates to the operative's responsibilities regarding potential accidents, health hazards **and the environment** whilst working in the workplace, below ground level, **in confined spaces**, at height, with tools and equipment, with materials and substances, with movement and storage of materials by manual handling and mechanical lifting **(10 point)**

Operate plant or machinery to **dismantle and/or** demolish

Maintenance

- 9 operative **checks and** care of plant or machinery, hand tools, **ancillary** equipment and **accessories and consumables**

Methods of work

- 10 application of knowledge for safe **and healthy** work practices, procedures and skills relating to the method **and** area of work and materials used to
- 10.1 identify the characteristics of the plant and machinery appropriate to the demolition and segregation operation
 - 10.2 carry out performance checks for the demolition and segregation operation
 - 10.3 identify the area to be **dismantled and** demolished
 - 10.4 **maintain and enforce recognised exclusion zones and designated areas**
 - 10.5 carry out pre-operational checks for obstructions, safety and security of the work and surrounding area
 - 10.6 check ground conditions to ensure the stability of plant or machinery during **dismantling and** demolishing activities
 - 10.7 avoid damage to surrounding structures and utilities
 - 10.8 **dismantle and** demolish structures
 - 10.9 segregate and safely remove materials into stockpiles and/or containers
 - 10.10 **provide information for Building Information Modelling (BIM)**
 - 10.11 **recognise and determine when specialist skills and knowledge are required and report accordingly**
 - 10.12 **determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance**
 - 10.13 **work with, around and in close proximity to plant, machinery and pedestrian operatives**
 - 10.14 **direct and guide the operations and movement of plant and machinery**
 - 10.15 shut down and secure plant or machinery
 - 10.16 fit and remove attachments using direct and quick-hitch type couplers
- 11 **How to ensure** team work and communication
- 12 needs of other occupations associated with operating plant or machinery

Operate plant or machinery to **dismantle and/or** demolish
to **dismantle and** demolish

Problems

- 13 those arising from information, resources and methods of work
 - 13.1 own authority to rectify
 - 13.2 organisational reporting procedures

Programme

- 14 types of **productivity targets and time scales**
- 15 **how times are estimated**
- 16 organisational procedures for reporting circumstances which will affect the work programme

Protect work

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

Resources

- 18 materials, components, **tools** and equipment relating to types, quantity, quality, sizes **and the sustainability** of standard and **or** specialist
 - 18.1 consumables, lubricants, fuels
 - 18.2 spill kits
 - 18.3 demolition **plant, machinery and attachments**
 - 18.4 **demolition** hand tools, **ancillary** equipment and **or accessories**
consumables
- 19 **confirm resources and materials conform with the specification**
- 20 methods of estimating weight, quantity, length and area associated with the method **and** procedure to operate plant or machinery to **dismantle and** demolish **structures and** segregate, stockpile, remove and load **components and** materials

Security procedures

- 21 **project**, site, workplace, company, operative and **vehicles, tools and plant**