

NOS Title	NOS Reference	Grid version control	Edit date	Edits by
Prepare and paint surfaces on conservation or restoration projects	COSVR551 V2	V1.0	08/09/2021	SP

Performance criteria Meet the contract specification	Knowledge and understanding P5 Meet the contract specification	Knowledge and understanding P3 Selection of resources
P5 EDIT	K22 EDIT	K16 EDIT
<p>comply with the given contract information to carry out the work efficiently to the required specification by:</p> <ul style="list-style-type: none"> demonstration of demonstrating work skills to: <ul style="list-style-type: none"> scrape strip hack fill abrade brush or roll use and maintain using and maintaining hand tools, and power tools and ancillary/associated equipment prepare and paint previously painted interiors and/or exteriors to given working instructions, relating to the following: <ul style="list-style-type: none"> preparation of existing painted surfaces and/or new surfaces ready for paint application application of paint to broad areas by brush or roller cutting-in around edges 4. removal and replacement of fittings <p>or</p>	<p>how the methods of work to meet the specification, are carried out and how problems are identified and reported by the application of knowledge for safe, healthy and environmental work practices, procedures and skills, relating to the method/ and area of work and materials used to:</p> <ul style="list-style-type: none"> how to fill and make good interior and exterior surfaces how to prepare and restore interior painted doors, windows, timber mouldings, walls, ceilings and metal work (to replicate the finish and style of the original) how to prepare and restore exterior painted doors, windows, timber finishing's, walls and metal work (to replicate the finish and style of the original or existing) how to apply paint by brush and roller, including lead paints, soft/ and oil-bound distemper, flat oil emulsion and lime wash why it is important to validate appropriate ways in which the work should be carried out why it is important to recognise sensitive areas 	<p>how the materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist resources should be used and how any problems associated with the resources are reported in relation to:</p> <ul style="list-style-type: none"> surface preparation equipment protective sheeting paint systems hand tools and equipment digital equipment

Commented [PC5]: This is K15 and then the stem statement from **Methods of Work**

Commented [SP6]: This is where the knowledge that relates to skills will be included. Knowledge can be broader than skills. All statements relate to 'you need to know and understand' so should be preceded by, how to, why, etc

Commented [PC12]: New addition to the generic section of the NOS to help future proof the NOS.

Commented [SP1]: WG to clarify whether this is abrade and brush or brush or roll

Commented [PC2]: Either word can be used, working group to decide

Commented [SP3]: / not permitted, WG to decide on either "and" or "or"

Commented [SP4]: / not permitted, WG to decide on either "and" or "or"

Commented [SP7]: / not permitted, WG to decide on "and" or "or"

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<ul style="list-style-type: none"> • conserve previously painted interiors to to <u>given</u> working instructions, relating to the following: <ul style="list-style-type: none"> - preparation of existing painted surfaces ready for paint application - application of paint to broad areas by appropriate methods to match the existing colour and finish - cutting-in around edges - removal and replacement of fittings 	<ul style="list-style-type: none"> • <u>why it is important to</u> maintain heritage and archaeological integrity • <u>why it is important to</u> maintain the principles of minimum intervention and reversible alterations • <u>why it is important to</u> stop work at the point when conjecture begins and report findings • <u>why it is necessary to</u> record work carried out (written, photographic or digital) • <u>why it is necessary to</u> recognise and or report endangered <u>and</u> protected flora and fauna • <u>why it is necessary to</u> remove deteriorated and/or inappropriate materials • <u>why it is necessary to</u> integrate existing and new constructional components or finishes • <u>how to</u> store salvageable fabric, materials and structural components — <u>how to</u> use <u>all</u> hand tools, and <u>power</u> tools and <u>ancillary/associated</u> equipment • <u>how to</u> work at height <u>use</u> <u>using</u> access equipment • <u>the relevance of an assessment of significance and how to recognise specific requirements for structures of special interest, traditional construction, hard-to-treat buildings and historical significance</u> 	
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Commented [SP8]: / not permitted, WG to decide on "and" or "or"

Commented [SP9]: / not permitted, WG to decide on "and" or "or"

	<ul style="list-style-type: none"> • <u>how to work with, around and in close proximity to plant and machinery</u> • <u>how to direct and guide the operations and movement of plant and machinery to ensure protection of a safe working environment</u> • <u>how to identify and follow the installation quality requirements</u> • <u>how and why operative care and maintenance of all hand and power tools and ancillary/associated equipment is carried out</u> 	
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Commented [PC10]: Working group to decide which term to use

Commented [SP11]: These statements may not appear in previous NOS, the group should decide what is needed to ensure a broad knowledge of their area of work, plus other interaction that promote safety and consideration for others and the built environment.

NOS Title	NOS Reference	Version control	Edit date	Edits by
Carry out free brush work	COSVR552	V1.0	08/09/2021	SP

Performance criteria Meet the contract specification	Knowledge and understanding P5 Meet the contract specification	Knowledge and understanding P3 Selection of resources
P5 EDIT	K22 EDIT	K16 EDIT
<p>comply with the given contract information to carry out the work efficiently to the required specification by:</p> <ul style="list-style-type: none"> demonstration of demonstrating work skills to: <ul style="list-style-type: none"> inspect analyse scale draw set out position secure and transfer match pour adjust viscosity and apply use and maintain using and maintaining hand tools, and power tools and ancillary/associated equipment set out from a drawing and apply decorative design, including outlining and enhancing architectural features, to given working instructions using at least four of the following: <ul style="list-style-type: none"> mechanical lining tools lining fitches straight edges sign writing pencils 	<p>how the methods of work to meet the specification, are carried out and how problems are identified and reported by the application of knowledge for safe, healthy and environmental work practices, procedures and skills, relating to the method/ and area of work and materials used to:</p> <ul style="list-style-type: none"> how to establish access requirements how to inspect surfaces for suitability, identify causes of faults and propose solutions how to clean surfaces for application how to prepare water-borne and solvent-borne coatings why it is important to adjust dilution to appropriate viscosity how to set out from a drawing and apply design by free brush work to panelled and broad areas (to include outlining and enhancing) using mechanical lining tools, lining fitches, straight edges, sign writing pencils and mahl stick why it is important to identify architectural features 	<p>how the materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist resources should be used and how any problems associated with the resources are reported in relation to:</p> <ul style="list-style-type: none"> water-borne and solvent borne coatings paints, stainers, solvents, glaze/ and varnishes, driers mechanical lining tools, lining fitches and straight edges, sign writing pencils and mahl stick equipment for setting out, including chalk lines and laser beams protective sheeting and masking materials waste containers/ and bags hand and power tools and ancillary/associated equipment digital equipment

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Commented [SP6]: WG to confirm if both glaze and varnishes are required

Commented [PC1]: Either word can be used, working group to decide

Commented [SP7]: New addition to the generic section of the NOS to help future proof the NOS.

<ul style="list-style-type: none"> - mahl stick • apply protective finish over decorative effects where applicable 	<ul style="list-style-type: none"> • why it is necessary to apply protective coating over decorative effects where appropriate • why it is necessary to identify atmospheric conditions that will influence the process • how to use all hand tools, and power tools and ancillary/associated equipment • how to work at height using access equipment • the relevance of an assessment of significance and how to recognise specific requirements for structures of special interest, traditional construction, hard-to-treat buildings and historical significance • how to work with, around and in close proximity to plant and machinery • how to direct and guide the operations and movement of plant and machinery to ensure protection of a safe working environment • how to identify and follow the installation quality requirements • how and why operative care and maintenance of all hand and power tools and ancillary/associated equipment is carried out 	
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NOS Title	NOS Reference	Version control	Edit date	Edits by
Build dry stone structures	COSVR567	V1.0	08/09/2021	SP

Performance criteria Meet the contract specification	Knowledge and understanding P5 Meet the contract specification	Knowledge and understanding P3 Selection of resources
<p>P5 EDIT</p> <p>comply with the given contract information to carry out the work efficiently to the required specification by:</p> <ul style="list-style-type: none"> demonstration of demonstrating work skills to: <ul style="list-style-type: none"> strip measure mark out line select cut/ and shape fit pack level plumb batter finish position secure use and maintain using and maintaining hand and power tools and ancillary/associated equipment prepare and build or repair walls or structures in dry stone to given-working instructions to include the following: <ul style="list-style-type: none"> freestanding wall 	<p>K22 EDIT</p> <p>how the methods of work to meet the specification, are carried out and how problems are identified and reported by the application of knowledge for safe, healthy and environmental work practices, procedures and skills, relating to the method/ and area of work and materials used to:</p> <ul style="list-style-type: none"> how to prepare, build and restore freestanding, retaining or structural walls in dry stone (mortarless) how to strip out structures for repair or refurbishment (salvage wall furniture) how to calculate dimensions how to transfer and check lines, levels, batter/camber how to use profiles (line bars or batter frames) how to select, cut and dress stone how to prepare and lay foundations or scarcement why it is important to identify and apply regional variations (including copestones and features) how to insert wedges how to place hearting, infill and packing how to lay throughbands and coverbands how to create cheek ends/round ends 	<p>K16 EDIT</p> <p>how the materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist resources should be used and how any problems associated with the resources are reported in relation to:</p> <ul style="list-style-type: none"> stone, covers, lintels and copes lines, levelling equipment and profiles (batter frames and bar lines) hand and/or and powered ed tools and ancillary/associated equipment digital equipment

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<ul style="list-style-type: none"> - retaining wall - curved wall (deflecting at least 0.6 m in 4.5 m) - cheek end • build or rebuild three of the following structures: <ul style="list-style-type: none"> - openings (window, door, lunky or waterpen) - arch - round end - round or right-angle corner - shelter - stile - flight of steps/ or staircases - round pillars - square pillars - walls up sloping ground (minimum of 20% gradient) - walls over 1.8-m high 	<ul style="list-style-type: none"> • how to build square and round corners • how to create curves • how to build high walls • how to create openings (windows, doors, lunkies, waterpens, arches) • how to build stiles, steps and staircases • how to build round and square pillars • how to build on sloping ground • how to construct shelters • why it is important to maintain heritage and archaeological integrity • why it is necessary to record work carried out (written, photographic or digital) • why it is important to recognise and/or report endangered/ and protected flora and fauna 	
	<ul style="list-style-type: none"> • how to use all hand tools, and power tools, and ancillary/associated equipment • how to work at height using access equipment • use access equipment • the relevance of an assessment of significance and how to recognise specific requirements for structures of special interest, traditional construction, hard-to-treat buildings and historical significance • how to work with, around and in close proximity to plant and machinery • how to direct and guide the operations and movement of plant and machinery to 	

Commented [SP3]: "/" not permitted. WG to decide if "or" is ok, or whether "and" would be better

ensure protection of a safe working environment

- how to identify and follow the installation quality requirements
- how and why operative care and maintenance of all hand and power tools and ancillary/associated equipment is carried out

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NOS Title	NOS Reference	Version control	Edit date	Edits by
Prepare and erect or conserve and restore earthen structures	COSVR549 V3	V1.0	08/09/2021	SP

Performance criteria Meet the contract specification	Knowledge and understanding P5 Meet the contract specification	Knowledge and understanding P3 Selection of resources
P5 EDIT	K22 EDIT	K16 EDIT
<p>comply with the given contract information to carry out the work efficiently to the required specification <u>by</u>:</p> <ul style="list-style-type: none"> demonstration of demonstrating work skills to: <ul style="list-style-type: none"> select measure mark mix fit finish cut lay position bed use and maintain using and maintaining hand tools, portable and power tools and ancillary/associated equipment select and prepare earth materials (binders, fibres) and/or supports/ and prepare and erect or conserve and or restore earthen structures to work <u>instructions for</u> at least one of the 	<p>how <u>the</u> methods of work to meet the specification, are carried out and <u>how</u> problems <u>are identified and</u> reported <u>by the</u> application of knowledge for safe, healthy and <u>environmental</u> work practices, procedures and skills, relating to the method/ and area of work and materials used to:</p> <ul style="list-style-type: none"> <u>how to</u> select and test raw materials, including field and laboratory tests <u>how to</u> prepare earth materials (soil, binders, fibre, additives) <u>how to</u> erect and dismantle formwork <u>how to</u> produce specialist tools <u>how to</u> work with plant or machinery <u>how to</u> produce templates and earth blocks <u>how to</u> identify line, level and verticality <u>how to</u> identify and produce lift lines and overhangs <u>why it is important to</u> protect structures from shrinkage, cracking and moisture intrusion <u>why it is necessary to</u> validate appropriate ways in which the work should be carried out 	<p>how the materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist resources should be used and how any problems associated with the resources are reported <u>in relation to</u>:</p> <ul style="list-style-type: none"> timber, manufactured sheet material, limes, aggregates, base materials, earth, binding materials, finishing materials, turf, fixings and associated ancillary equipment hand tools and portable power tools and ancillary/associated equipment <u>digital equipment</u>

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Commented [SP3]: "/" not permitted. WG to decide if "and" is appropriate

<p>following: earthen structures to given working instructions</p> <ul style="list-style-type: none"> - monolithic earth walls (cob, rammed earth, mud) including forming openings, details and finishes - earth mortared masonry structures (clay lump, stone, brick) including forming openings, details and finishes 	<ul style="list-style-type: none"> • why it is important to recognise sensitive areas (plaster, details, timber-work) • why it is important to maintain heritage and archaeological integrity • why it is necessary to maintain the principles of minimum intervention and reversible alterations • how to prepare and erect, or, conserve and restore monolithic earth walls (cob, rammed earth, mud) including forming openings, details and finish • how to prepare and erect, or, conserve and restore earth mortared masonry structures (clay lump, stone, brick) including forming openings, details and finishes • why it is necessary to record work carried out (written, photographic or digital) • why it is important to recognise and/or report protected flora and fauna (mortar bees) • why it is necessary to remove deteriorated and/or inappropriate materials • how to erect and replace fabric, materials or structural components • how to repair fabric, materials or structural components in-situ • why it is important to maintain existing structures • why it is necessary to integrate existing and new constructional components or finishes 	
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- [why it is important to](#) store salvageable fabric, materials and structural components
- [why it is important to](#) recognise and determine when specialist skills and knowledge are required and report accordingly
- [why it is important to](#) determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance
- [how to](#) use [all hand tools, and portable](#) power tools and ancillary/[associated](#) equipment
- [how to](#) work at height [using](#) access equipment
- ~~[use access equipment](#)~~
- [the relevance of an assessment of significance and how to recognise specific requirements for structures of special interest, traditional construction, hard-to-treat buildings and historical significance](#)
- [how to work with, around and in close proximity to plant and machinery](#)
- [how to direct and guide the operations and movement of plant and machinery to ensure protection of a safe working environment](#)
- [how to identify and follow the installation quality requirements](#)

	<ul style="list-style-type: none">• <u>how and why operative care and maintenance of all hand and power tools and ancillary/associated equipment is carried out</u>	
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NOS Title	NOS Reference	Version control	Edit date	Edits by
Conserve, restore or repair fibrous plasterwork	COSVR558 V3	V1.0	08/09/2021	SP

Performance criteria Meet the contract specification	Knowledge and understanding P5 Meet the contract specification	Knowledge and understanding P3 Selection of resources
P5 EDIT	K22 EDIT	K16 EDIT
<p>comply with the given contract information to carry out the work efficiently to the required specification <u>by</u>:</p> <ul style="list-style-type: none"> use and maintain using and maintaining <u>demonstration of demonstrating</u> work skills to: <ul style="list-style-type: none"> measure mark out mix remove apply match position secure finish use and maintain using and maintaining <u>hand tools, portable and</u> power tools and <u>ancillary/associated</u> equipment conserve, restore or repair existing fibrous plaster components to <u>given working instructions, relating to for</u> the following: <ul style="list-style-type: none"> plainface panel mouldings cornice mouldings curved <u>and</u> circular mouldings 	<p>how <u>the</u> methods of work to meet the specification, are carried out and <u>how</u> problems <u>are identified and reported by the</u> application of knowledge for safe, <u>healthy and environmental</u> work practices, procedures and skills, relating to the method/ <u>and</u> area of work <u>and materials used to</u>:</p> <ul style="list-style-type: none"> <u>why it is necessary to</u> remove and stabilise defective fibrous plasterwork <u>how to</u> prepare background surfaces <u>how to</u> prepare benches <u>how to</u> construct <u>and</u> prepare moulds and produce plainface, panel, cornice, curved <u>and</u> circular, turned, cast, cast enriched mouldings <u>how to</u> construct and produce moulds for curved surfaces (dome, barrel, vault, lunette) <u>how to</u> turn mouldings (columns) <u>how to</u> geometrically develop moulding profiles <u>why is it important to</u> validate appropriate ways in which the work should be carried out <u>why is it necessary to</u> recognise sensitive areas 	<p>how the materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist resources should be used and how any problems associated with the resources are reported <u>in relation to</u>:</p> <ul style="list-style-type: none"> plasters, clays, reinforcement, timber, zinc, how and cold pour, release agents, retarders, accelerators, flexible moulding material, fixings, associated ancillary items hand and/or and powered tools and <u>ancillary/associated</u> equipment <u>digital equipment</u>

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<ul style="list-style-type: none"> - cast mouldings - curved surface mouldings (dome, barrel, vault, lunette) 	<ul style="list-style-type: none"> • <u>why is it important to</u> maintain heritage and archaeological integrity • <u>why is it important to</u> maintain the principles of minimum intervention and reversible alterations • <u>why is it necessary to</u> stop work at the point when conjecture begins and report findings • <u>how to</u> record work carried out (written, photographic or digital) • <u>why is it necessary to</u> recognise and/or report endangered/ <u>and</u> protected flora and fauna • <u>why is it necessary to</u> remove deteriorated and/or inappropriate materials • <u>why is it important to</u> maintain <u>the</u> existing structure • <u>why is it important to</u> integrate existing and new constructional components • <u>how to</u> store salvageable fabric, materials and structural components • <u>how to</u> use <u>all</u> hand <u>tools, and</u> power tools and <u>ancillary/associated</u> equipment • <u>how to</u> work at height <u>using</u> access equipment • <u>use access equipment</u> • <u>the relevance of an assessment of significance and how to recognise specific requirements for structures of special interest, traditional construction, hard-to-treat buildings and historical significance</u> 	
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	<ul style="list-style-type: none">• <u>how to work with, around and in close proximity to plant and machinery</u>• <u>how to direct and guide the operations and movement of plant and machinery to ensure protection of a safe working environment</u>• <u>how to identify and follow the installation quality requirements</u>• <u>how and why operative care and maintenance of all hand and power tools and ancillary/associated equipment is carried out</u>	
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NOS Title	NOS Reference	Version control	Edit date	Edits by
Produce fibrous plasterwork on conservation or restoration projects	COSVR559 V3	V1.0	08/09/2021	SP

Performance criteria Meet the contract specification	Knowledge and understanding P5 Meet the contract specification	Knowledge and understanding P3 Selection of resources
<p>P5 EDIT</p> <p>comply with the given contract information to carry out the work efficiently to the required specification <u>by</u>:</p> <ul style="list-style-type: none"> demonstration of demonstrating work skills to: <ul style="list-style-type: none"> measure mark out mix cast position secure use and maintain using and maintaining hand tools, portable and power tools and ancillary/associated equipment construct moulds and produce fibrous plaster components to given working instructions, relating to for the following: <ul style="list-style-type: none"> plainface panel mouldings cornice mouldings curved and circular mouldings cast mouldings cast enriched mouldings curved surface mouldings (dome, barrel, vault, lunette) 	<p>K22 EDIT</p> <p>how <u>the</u> methods of work to meet the specification, are carried out and <u>how</u> problems <u>are identified and reported by the</u> application of knowledge for safe, <u>healthy and environmental</u> work practices, procedures and skills, relating to the method/ and area of work and materials used to:</p> <ul style="list-style-type: none"> <u>why it is necessary to</u> prepare benches <u>how to</u> construct and prepare moulds and produce plainface, panel, cornice, curved and circular, turned, cast, cast enriched mouldings <u>how to</u> construct and produce moulds for curve surface mouldings (dome, barrel, vault, lunette) <u>how</u> turn mouldings (columns) <u>how to</u> geometrically develop moulding profiles <u>why is it important to</u> validate appropriate ways in which <u>the</u> work should be carried out <u>why is it necessary to</u> recognise sensitive areas 	<p>K16 EDIT</p> <p>how the materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist resources should be used and how any problems associated with the resources are reported <u>in relation to</u>:</p> <ul style="list-style-type: none"> plasters, clays, reinforcement, timber, zinc, how and cold pour, release agents, retarders, accelerators, flexible moulding material, fixings, associated ancillary items hand and/or and powered tools and ancillary/associated equipment <u>digital equipment</u>

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- why is it important to maintain heritage and archaeological integrity
- why is it important to maintain the principles of minimum intervention and reversible alterations
- why is it necessary to stop work at the point when conjecture begins and report findings
- how to record work carried out (written, photographic or digital)
- why is it necessary to recognise and/or report endangered/ and protected flora and fauna
- why is it necessary to remove deteriorated and/or inappropriate materials
- why is it important to maintain the existing structure
- why is it important to integrate existing and new constructional components or finishes
- how to store salvageable fabric, materials and structural components
- how to use all hand ~~tools,~~ and power tools and ancillary/associated equipment
- how to work at height using access equipment
- ~~use access equipment~~
- the relevance of an assessment of significance and how to recognise specific requirements for structures of special interest, traditional construction,

- hard-to-treat buildings and historical significance
- how to work with, around and in close proximity to plant and machinery
- how to direct and guide the operations and movement of plant and machinery to ensure protection of a safe working environment
- how to identify and follow the installation quality requirements
- how and why operative care and maintenance of all hand and power tools and ancillary/associated equipment is carried out

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NOS Title	NOS Reference	Version control	Edit date	Edits by
Install fibrous plaster on conservation or restoration projects	COSVR560 V3	V1.0	08/09/2021	SP

Performance criteria Meet the contract specification	Knowledge and understanding P5 Meet the contract specification	Knowledge and understanding P3 Selection of resources
P5 EDIT comply with the given contract information to carry out the work efficiently to the required specification <u>by</u> : <ul style="list-style-type: none"> demonstration of demonstrating work skills to: <ul style="list-style-type: none"> measure mark out apply position finish secure use and maintain using and maintaining hand tools, portable and power tools and ancillary/associated equipment install fibrous plasterwork to given working instructions relating to the following: <ul style="list-style-type: none"> plainface panel mouldings cornice mouldings curved/circular mouldings cast mouldings cast enriched mouldings curve surface mouldings (dome, barrel, vault, lunette) 	K22 EDIT how <u>the</u> methods of work to meet the specification, are carried out and <u>how</u> problems <u>are identified and reported by the</u> application of knowledge for safe, <u>healthy and environmental</u> work practices, procedures and skills, relating to the method/ and area of work and materials used to : <ul style="list-style-type: none"> <u>how to</u> prepare and install plainface, panel, cornice, curved/circular, turned, cast, cast enriched mouldings <u>how to</u> prepare and install curved surface mouldings (dome, barrel, vault, lunette) <u>how to</u> prepare and install turned mouldings (columns) <u>why it is necessary to</u> geometrically develop moulding profiles <u>why it is important to</u> validate appropriate ways in which the work should be carried out <u>why it is important to</u> recognise sensitive areas <u>why it is important to</u> maintain heritage and archaeological integrity <u>why it is necessary to</u> maintain the principles of minimum intervention and reversible alterations 	K16 EDIT how the materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist resources should be used and how any problems associated with the resources are reported <u>in relation to</u> : <ul style="list-style-type: none"> fibrous plaster components casting plaster clays retarders accelerators fixings hand and/or and powered tools and ancillary/associated equipment digital equipment

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	<ul style="list-style-type: none"> • why it is important to stop work at the point when conjecture begins and report findings • why it is necessary to record work carried out (written, photographic or digital) • why it is important to recognise and/or report endangered/ and protected flora and fauna • why it is necessary to remove deteriorated and/or inappropriate materials • why it is important to maintain existing structure • why it is important to integrate existing and new constructional components • why it is necessary to store salvageable fabric, materials and structural components • how to use all hand tools, and power tools, and ancillary/associated equipment 	
	<ul style="list-style-type: none"> • use of ancillary equipment • how to work at height using access equipment • use access equipment • the relevance of an assessment of significance and how to recognise specific requirements for structures of special interest, traditional construction, hard-to-treat buildings and historical significance • how to work with, around and in close proximity to plant and machinery 	

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Commented [SP5]: "/" not permitted

Commented [SP6]: Either word can be used

	<ul style="list-style-type: none">• <u>how to direct and guide the operations and movement of plant and machinery to ensure protection of a safe working environment</u>• <u>how to identify and follow the installation quality requirements</u>• <u>how and why operative care and maintenance of all hand and power tools and ancillary/associated equipment is carried out</u>	
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NOS Title	NOS Reference	Version control	Edit date	Edits by
Select, prepare and apply finishing to structures	COSVR550 V2	V1.0	08/09/2021	SP

Performance criteria Meet the contract specification	Knowledge and understanding P5 Meet the contract specification	Knowledge and understanding P3 Selection of resources
P5 EDIT	K22 EDIT	K16 EDIT
<p>comply with the given contract information to carry out the work efficiently to the required specification by:</p> <ul style="list-style-type: none"> demonstration of demonstrating work skills to: <ul style="list-style-type: none"> measure mark out remove batch mix cast spray protect secure use and maintain using and maintaining hand tools, portable and power tools and ancillary/associated equipment selectselect, prepare, apply and care for the application of new, repaired, replaced or renewed surface finishes on structural and/or non-structural surfaces to given working instructions: <ul style="list-style-type: none"> point, repoint, dubb and fill hand thrown finishes 	<p>how the methods of work to meet the specification, are carried out and how problems are identified and reported by the application of knowledge for safe, healthy and environmental work practices, procedures and skills, relating to the method/ and area of work and materials used to:</p> <ul style="list-style-type: none"> how to apply new, replace, repair or renew surface finishes internally and externally how to select aggregates, pozzollans, pigments, mortars, non-hydraulic, hydraulic lime, lime putty, modified lime render, hot lime mortars and additives how to stabilise surfaces (dubb and fill) how to carry out pointing and repointing how to batch, mix and 'knock up' surface finishing ingredients, including additives how to apply mortars and lime-based coatings how to apply hand thrown finishes (harl or rough cast) how to mechanically apply coatings how to parget why it is important to protect and cure finishes, including expansion and 	<p>how the materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist resources should be used and how any problems associated with the resources are reported in relation to:</p> <ul style="list-style-type: none"> undercoats and finishing products one coat renders aggregates limes cements fibres additives beads and trims hand and/or and powered tools and ancillary/associated equipment digital equipment

Commented [PC3]: This is K15 and then the stem statement from **Methods of Work**

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Commented [SP7]: Should these be separate bullet points ?

Commented [PC8]: New addition to the generic section of the NOS to help future proof the NOS.

Commented [PC1]: Either word can be used, working group to decide

Commented [SP2]: "/" not permitted, WG to decide between "and" or "or"

<ul style="list-style-type: none"> • apply <u>at least one of the following</u> surface finishes to <u>given working</u> instructions for at least one of the following: <ul style="list-style-type: none"> - limewash - shelter coats (coats with additives) - colour wash (pencil, line out and tuck point) - texture or parget - mechanically applied coatings 	<p>contraction and avoiding slump, crazing and shrinkage</p> <ul style="list-style-type: none"> • <u>how to use all hand tools, and power tools, and ancillary/associated equipment</u> • <u>how to work at height using access equipment</u> • <u>use access equipment</u> • <u>the relevance of an assessment of significance and how to recognise specific requirements for structures of special interest, traditional construction, hard-to-treat buildings and historical significance</u> • <u>how to work with, around and in close proximity to plant and machinery</u> • <u>how to direct and guide the operations and movement of plant and machinery to ensure protection of a safe working environment</u> • <u>how to identify and follow the installation quality requirements</u> • <u>how and why operative care and maintenance of all hand and power tools and ancillary/associated equipment is carried out</u> 	
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NOS Title	NOS Reference	Version control	Edit date	Edits by
Prepare and install fully supported lead and hard metal decorative roofing and cladding	COSVR687 V3	V1.0	08/09/2021	SP

Performance criteria Meet the contract specification	Knowledge and understanding P5 Meet the contract specification	Knowledge and understanding P3 Selection of resources
P5 EDIT	K22 EDIT	K16 EDIT
<p>comply with the given contract information to carry out the work efficiently to the required specification by:</p> <ul style="list-style-type: none"> demonstration of demonstrating work skills to: <ul style="list-style-type: none"> measure set/mark out profile cut joint position secure finish use and maintain using and maintaining hand tools, and power tools and ancillary/associated equipment prepare and install fully supported lead or hard metal decorative roofing or cladding, incorporating coverings/weatherings, to working instructions, to-for two of the following profiles to given working instructions: <ul style="list-style-type: none"> tapered concave convex 	<p>how the methods of work to meet the specification, are carried out and how problems are identified and reported by the application of knowledge for safe, and healthy and environmental work practices, procedures and skills, relating to the method/and area of work and materials used to:</p> <ul style="list-style-type: none"> how to identify and report faults with sub-structure and roof interfaces how to install/and fabricate ventilation systems how to lay underlay if required how to prepare and install fully supported lead or hard metal decorative roofing and cladding to tapered, concave, convex or segmented profiles (spires, domes, cupola, onion, barrel vault structures) how to install fully supported lead or hard metal coverings/and weatherings to surfaces and abutments for soffits, cornices/and parapets and gutters how to set/and mark out roof/and cladding how to prepare/and fabricate lead or hard metal (cut to length and profile) 	<p>how the materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist resources should be used and how any problems associated with the resources are reported in relation to:</p> <ul style="list-style-type: none"> lead, hard metal, underlay, vents, fixings, fittings and ancillary items hand tools, and power tools and ancillary/associated equipment digital equipment

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Commented [PC10]: Working group to decide whether to retain or remove. NOTE if removed this must be cascaded across PC5 and K22

Commented [PC2]: Either word can be used, working group to decide

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Commented [PC6]: Working group to decide how best to rephrase statement to remove '/'

<p>- segmented</p>	<ul style="list-style-type: none"> • <u>how to</u> join and terminate lead or hard metal in width and length • <u>why it is important to</u> ensure the integrity of joints, fixings and ventilation • <u>how to</u> validate appropriate ways in which the work should be carried out • <u>why it is necessary to</u> recognise sensitive areas • <u>why it is important to</u> maintain heritage and archaeological integrity • <u>why it is necessary to</u> maintain the principles of minimum intervention and reversible alterations • <u>why it is important to</u> stop work at the point when conjecture begins and report findings • <u>how to</u> record work carried out (written, photographic or digital) • <u>why it is important to</u> recognise <u>and/or</u> report endangered <u>and</u> protected flora and fauna • <u>why it is important to</u> remove deteriorated <u>and/or</u> inappropriate materials • <u>why it is necessary to</u> maintain existing structure • <u>why it is necessary to</u> integrate existing and new constructional components or finishes • <u>how to</u> store salvageable fabric, materials and structural components • <u>how to</u> use <u>all</u> hand <u>tools, and</u> power tools, and <u>ancillary/associated</u> equipment • <u>how to</u> work at height <u>use using access equipment</u> 	
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Commented [PC7]: Working group to decide how best to rephrase statement to remove '/'

	<ul style="list-style-type: none"> • <u>the relevance of an assessment of significance and how to recognise specific requirements for structures of special interest, traditional construction, hard-to-treat buildings and historical significance</u> • <u>how to work with, around and in close proximity to plant and machinery</u> • <u>how to direct and guide the operations and movement of plant and machinery to ensure protection of a safe working environment</u> • <u>how to identify and follow the installation quality requirements</u> • <u>how and why operative care and maintenance of all hand and power tools and ancillary/associated equipment is carried out</u> 	
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NOS Title	NOS Reference	Grid version control	Edit date	Edits by
Repair, restore, conserve, replace or maintain forged heritage metalwork	COSVR621 V2	V1.0	08/09/2021	SP

Performance criteria Meet the contract specification	Knowledge and understanding P5 Meet the contract specification	Knowledge and understanding P3 Selection of resources
P5 EDIT	K22 EDIT	K16 EDIT
<p>comply with the given contract information to carry out the work efficiently to the required specification <u>by:</u></p> <ul style="list-style-type: none"> demonstration of demonstrating work skills to: <ul style="list-style-type: none"> measure mark out disassemble cut shape join fit position assemble secure protect use and maintain using and maintaining hand tools, portable and power tools and blacksmiths equipment repair, restore, conserve, replace or maintain forged heritage metalwork to given working instructions by applying the following techniques: 	<p>how <u>the</u> methods of work to meet the specification, are carried out and <u>how</u> problems <u>are identified and reported by the</u> application of knowledge for safe, <u>healthy and environmental</u> work practices, procedures and skills, relating to the method/ <u>and area of work and materials used to:</u></p> <ul style="list-style-type: none"> assess requirements for repair, restoration, conservation, replacement or maintenance of forged heritage metalwork validate appropriate ways in which the work should be carried out recognise sensitive areas maintain heritage and archaeological integrity maintain the principles of minimum intervention and reversible alterations survey, label and record components stop work at the point when conjecture begins and report findings identify types of deterioration relate equilibrium diagrams to metal types and properties identify metal properties 	<p>how the materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist resources should be used and how any problems associated with the resources are reported <u>in relation to:</u></p> <ul style="list-style-type: none"> metals components, fixings, consumables protective coating hand and/or and powered tools and blacksmiths equipment <u>digital equipment</u>

Commented [PC1]: This is K15 and then the stem statement from **Methods of Work**

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<ul style="list-style-type: none"> - hot forge: drawdown, spread, upset, swage, fuller - hot form: bend, twist, dish, raise - hot cut: punch, split - join: forge weld, fasten mechanically (fixed and moveable) - fill - cold form 	<ul style="list-style-type: none"> • heat treat • make tools • identify the effects of reduced loads, changed stress regimes, strengthening and reinforcement techniques to forged heritage metalwork • fix and fit components • hot forge: drawdown, spread, upset, swage, fuller • hot form: bend, twist, dish, raise • hot cut: punch, split • join: forge weld, fasten mechanically (fixed and moveable) • fill • cold form • clean and prepare metal • record the work carried out (written, photographic or digital) • recognise and/or report endangered/ and protected flora and fauna • pack and transport heritage metalwork • use all hand tools, and power tools and blacksmiths equipment • work at height using access equipment • use access equipment • explain the relevance of an assessment of significance and how to recognise specific requirements for structures of special interest, traditional construction, hard-to-treat buildings and historical significance 	
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	<ul style="list-style-type: none"> • <u>work with, around and in close proximity to plant and machinery</u> • <u>direct and guide the operations and movement of plant and machinery to ensure protection of a safe working environment</u> • <u>identify and follow the installation quality requirements</u> • <u>explain why operative care and maintenance of all hand and power tools and ancillary/associated equipment is carried out</u> 	
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NOS Title	NOS Reference	Grid version control	Edit date	Edits by
Clean, prepare and protect heritage metalwork	COSVR622 V2	V1.0	08/09/2021	SP

Performance criteria Meet the contract specification	Knowledge and understanding P5 Meet the contract specification	Knowledge and understanding P3 Selection of resources
P5 EDIT	K22 EDIT	K16 EDIT
<p>comply with the given contract information to carry out the work efficiently to the required specification <u>by</u>:</p> <ul style="list-style-type: none"> demonstration of demonstrating work skills to: <ul style="list-style-type: none"> - clean - fill - protect - disassemble - assemble - finish use and maintain using and maintaining hand tools, portable and power tools and cleaning and finishing equipment clean, prepare and apply filling agents to heritage metalwork to given working instructions <u>by at least three of using</u> the following methods: <ul style="list-style-type: none"> - flame clean - wire brush by hand or machine - abrade by hand or machine - blast system - chemical cleaning system - fettling 	<p>how <u>the</u> methods of work to meet the specification, are carried out and <u>how</u> problems <u>are identified and reported by the</u> application of knowledge for safe, <u>healthy and environmental</u> work practices, procedures and skills, relating to the method/and area of work and materials used to:</p> <ul style="list-style-type: none"> • assess the metalwork condition to identify suitable cleaning and protection processes • assess requirements for repair, restoration or maintenance of metalwork finishes and coatings • validate appropriate ways in which the work should be carried out • recognise sensitive areas • maintain heritage and archaeological integrity • maintain the principles of minimum intervention and reversible alterations • survey, label and record components • stop work at the point when conjecture begins and report findings • identify types of deterioration • identify metal properties 	<p>how the materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist resources should be used and how any problems associated with the resources are reported <u>in relation to</u>:</p> <ul style="list-style-type: none"> • cleaning agents • fillers • protective coats • traditional/<u>and</u> historic primers and finishing systems • hand and/or and powered tools and cleaning and finishing equipment • <u>digital equipment</u>

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Commented [PC5]: New addition to the generic section of the NOS to help future proof the NOS.

<ul style="list-style-type: none"> - degreasing • protect heritage metalwork to <u>given</u> working instructions <u>by at least two of using</u> the following <u>techniques</u>: <ul style="list-style-type: none"> - coatings by hand - coatings by machine - polishing - gilding 	<ul style="list-style-type: none"> • apply the principles and methods of corrosion control in ferrous and non-ferrous metals • promote sacrificial protection • prevent electrolytic and chemical corrosion • clean, prepare and apply filler to metal (flame clean, wire brush, abrade, blast, fettling and degreasing) • control contamination (the work and environment) • identify effects of atmospheric conditions on coatings and work • remove, protect and apply traditional/historical finishes • evaluate appropriate finishing techniques and materials • apply protective coatings (by hand, machine, polish and gilding) • recognise the effects of dissimilar materials and substances • recognise and <u>or</u> report endangered <u>and</u> protected flora and fauna • record the work carried out (written, photographic or digital) • pack and transport metalwork • use <u>all</u> hand <u>tools</u>, <u>and</u> power tools <u>and</u> <u>ancillary/associated</u> equipment • work at height <u>using</u> access equipment • <u>use access equipment</u> • <u>explain the relevance of an assessment of significance and how to recognise specific requirements for structures of</u> 	
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special interest, traditional construction, hard-to-treat buildings and historical significance

- work with, around and in close proximity to plant and machinery
- direct and guide the operations and movement of plant and machinery to ensure protection of a safe working environment
- identify and follow the installation quality requirements
- explain why operative care and maintenance of all hand and power tools and ancillary/associated equipment is carried out

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NOS Title	NOS Reference	Grid version control	Edit date	Edits by
Heat, weld or solder heritage metalwork	COSVR623 V2	V1.0	08/09/2021	SP

Performance criteria Meet the contract specification	Knowledge and understanding P5 Meet the contract specification	Knowledge and understanding P3 Selection of resources
P5 EDIT	K22 EDIT	K16 EDIT
<p>comply with the given contract information to carry out the work efficiently to the required specification <u>by</u>:</p> <ul style="list-style-type: none"> demonstration of demonstrating work skills to: <ul style="list-style-type: none"> - measure - mark out - fit - heat - weld - solder - prepare - position - secure - finish use and maintain using and maintaining hand tools, portable and power tools, welding and heating equipment and ancillary/associated equipment heat metalwork to given working instructions to achieve at least two of the following: <ul style="list-style-type: none"> - free components (thermal shock) - heat treat - reduce or remove rust 	<p>how <u>the</u> methods of work to meet the specification, are carried out and <u>how</u> problems <u>are identified and reported by the</u> application of knowledge for safe, <u>healthy and environmental</u> work practices, procedures and skills, relating to the method/and area of work and materials used to:</p> <ul style="list-style-type: none"> <u>why it is necessary to</u> assess requirements for repair, restoration or the maintenance of metalwork by joining and heating <u>why it is necessary to</u> validate appropriate ways in which the work should be carried out <u>why it is important to</u> recognise sensitive areas <u>why it is important to</u> maintain heritage and archaeological integrity <u>why it is important to</u> maintain the principles of minimum intervention and reversible alterations <u>why it is necessary to</u> survey, label and record components 	<p>how the materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist resources should be used and how any problems associated with the resources are reported <u>in relation to</u>:</p> <ul style="list-style-type: none"> metals consumables (gases, filling rods/wires) welding machines and equipment and <u>ancillaries</u> hand and/or and powered tools and heating <u>ancillary/associated</u> equipment <u>digital equipment</u>

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Commented [SP2]: WG : could ancillary/associated equipment cover this to help standardise the content ?

<ul style="list-style-type: none"> - adjust (localised/spot) • join wrought iron, cast iron, other ferrous metals and non-ferrous metals to given working instructions using <u>at least two of the following: welding and/or brazing and/or soldering techniques</u> <ul style="list-style-type: none"> - oxygen and fuel gas - manual metal arc - metal inert gas shielded or metal active gas shielded - tungsten inert gas shielded • carry out above work in <u>at least three of the following positions:</u> <ul style="list-style-type: none"> - flat - vertical/horizontal - vertical - overhead 	<ul style="list-style-type: none"> • <u>why it is necessary to</u> stop work at the point when conjecture begins and report findings • <u>why it is necessary to</u> relate equilibrium diagrams to metal types/properties • <u>why it is necessary to</u> identify metal properties • <u>why it is important to</u> apply the principles and methods of joining and heating ferrous and non-ferrous metals • <u>how to</u> join metals by welding, soldering and brazing in all positions (flat, vertical/horizontal, vertical and overhead) • <u>how to</u> recognise join types (butt, lap, fillet, corner) • <u>how to</u> inspect joins by non-destructive testing (visual, x-ray and dye penetrates) and destructive testing (bend test, tensile, nick break and weld etch) • <u>how to</u> finish and dress joints • <u>how to</u> recognise the effects of applying heat to metals (distortion, heat affected zone) • <u>why it is important to</u> record the work carried out (written, photographic or digital) • <u>why it is important to</u> recognise and/or report endangered/ <u>and</u> -protected flora and fauna • <u>how to</u> use and store fuel gases 	
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- how to use all hand tools, and power tools and ancillary/associated equipment
- how to work at height using access equipment
- ~~use access equipment~~
- the relevance of an assessment of significance and how to recognise specific requirements for structures of special interest, traditional construction, hard-to-treat buildings and historical significance
- how to work with, around and in close proximity to plant and machinery
- how to direct and guide the operations and movement of plant and machinery to ensure protection of a safe working environment
- how to identify and follow the installation quality requirements
- how and why operative care and maintenance of all hand and power tools and ancillary/associated equipment is carried out

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NOS Title	NOS Reference	Grid version control	Edit date	Edits by
Thermal cutting metal for heritage work	COSVR624 V2	V1.0	08/09/2021	SP

Performance criteria Meet the contract specification	Knowledge and understanding P5 Meet the contract specification	Knowledge and understanding P3 Selection of resources
<p>P5 EDIT</p> <p>comply with the given contract information to carry out the work efficiently to the required specification by:</p> <ul style="list-style-type: none"> demonstration of demonstrating work skills to: <ul style="list-style-type: none"> - measure - mark out - position - cut - secure - finish use and maintain using and maintaining hand tools, portable and power tools, thermal cutting and ancillary/associated equipment and ancillaries cut metals by thermal means to given working instructions using one of the following techniques: <ul style="list-style-type: none"> - oxygen and fuel gas - plasma arc 	<p>K22 EDIT</p> <p>how the methods of work to meet the specification, are carried out and how problems are identified and reported by the application of knowledge for safe, healthy and environmental work practices, procedures and skills, relating to the method/ and area of work and materials used to:</p> <ul style="list-style-type: none"> why it is important to validate appropriate ways in which the work should be carried out why it is important to recognise sensitive areas why it is important to maintain heritage and archaeological integrity why it is important to maintain the principles of minimum intervention and reversible alterations why it is necessary to survey, label and record components why it is necessary to stop work at the point when conjecture begins and report findings 	<p>K16 EDIT</p> <p>how the materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist resources should be used and how any problems associated with the resources are reported in relation to:</p> <ul style="list-style-type: none"> thermal cutting equipment thermal cutting consumables welding machines and equipment and ancillaries hand and/or and powered tools and ancillary/associated equipment digital equipment

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- [how to](#) relate equilibrium diagrams to metal types and properties
- [why it is necessary to](#) identify metal properties
- [how to](#) pre-heat in order to cut metals
- [how to](#) recognise the effects of applying heat to metals (distortion, heat effected zone)
- [how to](#) clean and prepare cut metal (remove dross)
- [why it is necessary to](#) record the work carried out (written, photographic or digital)
- [why it is important to](#) recognise and/or report endangered/ [and](#) -protected flora and fauna
- [how to](#) use gases and thermal cutting equipment to cut metals (oxygen and fuel gases and plasma arc methods)
- [how to](#) use [all](#) hand ~~tools, and~~ power tools, and [ancillary/associated](#) equipment
- [how to](#) work at height [using](#) access equipment
- ~~use access equipment~~
- [the relevance of an assessment of significance and how to recognise specific requirements for structures of special interest, traditional construction, hard-to-treat buildings and historical significance](#)

	<ul style="list-style-type: none">• <u>how to work with, around and in close proximity to plant and machinery</u>• <u>how to direct and guide the operations and movement of plant and machinery to ensure protection of a safe working environment</u>• <u>how to identify and follow the installation quality requirements</u>• <u>how and why operative care and maintenance of all hand and power tools and ancillary/associated equipment is carried out</u>	
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NOS Title	NOS Reference	Grid version control	Edit date	Edits by
Dismantle and fix heritage metalwork	COSVR625 V2	V1.0	08/09/2021	SP

Performance criteria Meet the contract specification	Knowledge and understanding P5 Meet the contract specification	Knowledge and understanding P3 Selection of resources
<p>P5 EDIT</p> <p>comply with the given contract information to carry out the work efficiently to the required specification by:</p> <ul style="list-style-type: none"> demonstration of demonstrating work skills to: <ul style="list-style-type: none"> - survey - measure - mark out - fit - fix - fasten - finish - secure use and maintain using and maintaining hand tools, portable and power tools and ancillary/associated equipment dismantle (by drilling, cutting, undoing or heating) and fix existing heritage metalwork to given working instructions by at least three of the following means: <ul style="list-style-type: none"> - mechanical (fixed and moveable) - chemical fixing (mortars, concrete, adhesives) - stitched - leaded 	<p>K22 EDIT</p> <p>how the methods of work to meet the specification, are carried out and how problems are identified and reported by the application of knowledge for safe, healthy and environmental work practices, procedures and skills, relating to the method/and area of work and materials used to:</p> <ul style="list-style-type: none"> why it is important to apply the principles and methods of dismantling and fixing heritage metalwork why it is important to validate appropriate ways in which the work should be carried out why it is important to recognise sensitive areas why it is important to maintain heritage and archaeological integrity why it is important to maintain the principles of minimum intervention and reversible alterations why it is necessary to survey, label and record components 	<p>K16 EDIT</p> <p>how the materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist resources should be used and how any problems associated with the resources are reported in relation to:</p> <ul style="list-style-type: none"> metals fixings chemical mixes (mortars) consumables (adhesives) hand and/or and powered tools and ancillary/associated equipment digital equipment

Commented [PC2]: This is K15 and then the stem statement from **Methods of Work**

Commented [PC3]: This is where the knowledge that relates to skills will be included, Knowledge can be broader than skills. All statements relate to 'you need to know and understand' so should be preceded by, how to, why, etc

Commented [PC6]: New addition to the generic section of the NOS to help future proof the NOS.

Commented [PC1]: Either word can be used, working group to decide

<p>- caulked</p>	<ul style="list-style-type: none"> • why it is necessary to stop work at the point when conjecture begins and report findings • how to dismantle by drilling, cutting, undoing and heating • how to dismantle work that is fixed by mechanical fastenings, chemicals, stitch, lead and caulk • how to fix work by mechanical fastening (fixed and moveable), chemical mixes, stitch, lead and caulk • how to mix and apply mortar and concrete • how to mix and apply adhesives (pre-mixed and two pack) • why it is important to recognise the effects of dissimilar materials in restoration practice • why it is important to identify metal properties • why it is necessary to record the work carried out (written, photographic or digital) • why it is important to recognise and/or report endangered/ and protected flora and fauna • how to pack and transport heritage metalwork • how to use all hand tools, and power tools and ancillary/associated equipment 	
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	<ul style="list-style-type: none"> • <u>how to work at height using access equipment</u> • use access equipment • <u>the relevance of an assessment of significance and how to recognise specific requirements for structures of special interest, traditional construction, hard-to-treat buildings and historical significance</u> • <u>how to work with, around and in close proximity to plant and machinery</u> • <u>how to direct and guide the operations and movement of plant and machinery to ensure protection of a safe working environment</u> • <u>how to identify and follow the installation quality requirements</u> • <u>how and why operative care and maintenance of all hand and power tools and ancillary/associated equipment is carried out</u> 	
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Commented [PC4]: Working group to decide which term to use

Commented [PC5]: These statements may not appear in previous NOS, the group should decide what is needed to ensure a broad knowledge of their area of work, plus other interaction that promote safety and consideration for others and the built environment.

NOS Title	NOS Reference	Grid version control	Edit date	Edits by
Working on conservation and restoration projects	COSVR546 v2	1.0	06/09/2021	PC

Performance criteria Meet the contract specification	Knowledge and understanding P5 Meet the contract specification	Knowledge and understanding P3 Selection of resources
<p>P5 EDIT</p> <p>comply with the given contract information to carry out the work efficiently to the required specification by:</p> <ul style="list-style-type: none"> demonstration of demonstrating work skills to: <ul style="list-style-type: none"> measure mark out adapt align apply make good maintain conserve restore or reinstate finish position and secure use and maintain using and maintaining hand tools, and power tools and ancillary/associated equipment use using specialist heritage and historical conservation/ and restoration skills to sample, select, prepare, match, maintain or repair to working instructions, in-for at least one of the following occupational areas, to given working instructions: 	<p>K22 EDIT</p> <p>how the methods of work, to meet the specification, are carried out and how problems are identified and reported by the application of knowledge for safe, healthy and environmental work practices, procedures and skills, relating to the method/ and area of work and materials used, to:</p> <ul style="list-style-type: none"> how to validate appropriate ways in which the work should be carried out how to recognise sensitive areas how to maintain heritage and archaeological integrity how to maintain the principles of minimum intervention and reversible alterations why it is necessary to stop work at the point where conjecture begins and report findings how to record work carried out (written, photographic or digital) how to recognise and/ or report endangered/ and protected flora and fauna 	<p>K16 EDIT</p> <ul style="list-style-type: none"> how the materials, components and equipment relating to types, quantity, quality, sizes and sustainability of standard and/or specialist resources should be used and how any problems associated with the resources are reported in relation to: conservation and restoration materials or structural components hand and/or and powered tools and ancillary/associated equipment digital equipment

Commented [PC1]: Question to raise to WG: Should the stem statements for P5, K22 and K16 be reworded (simplified) to provide clearer links to the bulleted lists, as part of the generic exercise and applied across all NOS to standardise?

Commented [PC9]: Relates to scope/range of knowledge and understanding **Resources and K10 generic knowledge section**. The resources list may be revised during the review.

Commented [PC5]: This is where the knowledge that relates to skills will be included. There must be a knowledge counterpart for all skills listed however, knowledge can be broader than skills. All statements follow on from the stem statement 'you need to know and understand' so should be preceded by, 'how, why' etc. as in the examples given here

Commented [PC10]: Working group to decide to retain or remove. NOTE: if removed this needs to be cascaded across PC5 and K22

Commented [PC2]: Either word can be used, working group to decide

Commented [PC3]: Best practice dictates the use of 'and' OR 'or' rather than forward slash. Working group to decide which to use

<ul style="list-style-type: none"> - roofing - lead work - brickwork - earthen structure - stonemasonry - decoration - plastering - wall and floor tiling - carpentry and joinery - iron <u>and or</u> metal work 	<ul style="list-style-type: none"> • <u>why it is necessary to</u> remove deteriorated and or inappropriate materials • <u>how to</u> remove and restore fabric, materials or structural components • <u>how to</u> repair removed fabric, materials or structural components • <u>how to</u> replace fabric, materials or structural components • <u>how to</u> repair fabric, materials or structural components in-situ • <u>why it is necessary to</u> maintain <u>the</u> existing structure • <u>how to</u> integrate existing and new constructional components or finishes • <u>how to</u> store salvageable fabric, materials and structural components • <u>how to</u> use <u>all</u> hand tools, <u>and</u> power tools and <u>ancillary/associated</u> equipment • <u>how to</u> work at height <u>use</u> <u>using</u> access equipment • <u>the relevance of an assessment of significance and how to recognise specific requirements for structures of special interest, traditional construction, hard-to-treat buildings and historical significance</u> • <u>how to work with, around and in close proximity to plant and machinery</u> • <u>how to direct and guide the operations and movement of plant and machinery to</u> 	
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Commented [PC4]: Working group to decide whether to use 'and' OR 'or'. When the qualification products are created, if choosing 'and' the learner will need to evidence both iron and metal work. If 'or' is selected, the learner will only need to evidence one of them

Commented [PC6]: Working group to decide which term to use or remove

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	<p><u>ensure protection of a safe working environment</u></p> <ul style="list-style-type: none">• <u>how to identify and follow the installation quality requirements</u>• <u>how and why operative care and maintenance of all hand and power tools and ancillary/associated equipment is carried out</u>	
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Commented [PC7]: Working group to decide which term to use

Commented [PC8]: These statements may not appear in previous NOS. The group should decide what is needed to ensure a broad knowledge of their area of work, plus other knowledge that promotes safety and consideration for others and the built environment

NOS Title	NOS Reference	Grid version control	Edit date	Edits by
Conserve or restore stonemasonry, brickwork or earthen structures	COSVR547 v2	1.0	06/09/2021	PC

Performance criteria Meet the contract specification	Knowledge and understanding P5 Meet the contract specification	Knowledge and understanding P3 Selection of resources
<p>P5 EDIT</p> <p>comply with the given contract information to carry out the work efficiently to the required specification <u>by</u>:</p> <ul style="list-style-type: none"> demonstration of demonstrating work skills to: <ul style="list-style-type: none"> measure mark out remove rake out renew shape shore prop strut plumb level fit finish position and secure use and maintain using and maintaining hand tools, and portable power tools and ancillary/associated equipment preparepreparing, conserveconserveing, repairrepairing or refurbishrefurbishing existing stonemasonry, brickwork or 	<p>K22 EDIT</p> <p>how <u>the</u> methods of work, to meet the specification, are carried out and <u>how</u> problems <u>are identified and reported by the</u> application of knowledge for safe, <u>healthy and environmental</u> work practices, procedures and skills, relating to the method/and area of work and materials used, to:</p> <ul style="list-style-type: none"> <u>how to</u> erect and dismantle temporary support to structures on of knowled <u>how to</u> replicate existing structures to agreed specification (honest repair) <u>how to</u> stabilise structures <u>why it is important to</u> joint finishes to agreed specification <u>why it is important to</u> prepare mortars to agreed specification <u>how to</u> render surfaces <u>why it is necessary to</u> validate appropriate ways in which the work should be carried out <u>how to</u> recognise sensitive areas <u>why it is important to</u> maintain heritage and archaeological integrity 	<p>K16 EDIT</p> <p>how the materials, components and equipment relating to types, quantity, quality, sizes and sustainability of standard and/or specialist resources should be used and how any problems associated with the resources are reported <u>in relation to</u>:</p> <ul style="list-style-type: none"> timber, props, bricks, stone, aggregates, cements, lime, mortar (lime and cements), earth, damp-proof barriers (slate), insulation, fixings, aftercare equipment and associated ancillary items hand and/or and powered tools and ancillary/associated equipment <u>digital equipment</u>

Commented [PC6]: Relates to scope/range of knowledge and understanding **Resources and K10 generic knowledge section**. The resources list may be revised during the review.

Commented [PC2]: This is where the knowledge that relates to skills will be included. There must be a knowledge counterpart for all skills listed however, knowledge can be broader than skills. All statements follow on from the stem statement 'you need to know and understand' so should be preceded by, 'how, why' etc. as in the examples given here

Commented [PC3]: This appears on the published NOS and needs to be corrected in the review

Commented [PC7]: Working group to decide whether to retain or remove. NOTE: if removing this must be cascaded across PC5 and K22

Commented [PC1]: Either word can be used, working group to decide

earthen structures to ~~given~~ working instructions, ~~relating to~~ the following:

- replication of existing structures
- stabilisation of existing structures
- preparation of mortars appropriate to the existing
- joint finishing
- surface finishes

- why it is important to maintain the principles of minimum intervention and reversible alterations
- why it is necessary to stop work at the point when conjecture begins and report findings
- how to record work carried out (written, photographic or digital)
- why it is necessary to recognise and ~~or~~ report endangered and protected flora and fauna
- how to remove deteriorated and/or inappropriate materials
- why it is necessary to maintain the existing structure
- how to integrate existing and new constructional components or finishes
- how to store salvageable materials and structural components
- how to use all hand ~~tools,~~ and power tools and ancillary/associated equipment
- how to work at height ~~use~~ using access equipment
- the relevance of an assessment of significance and how to recognise specific requirements for structures of special interest, traditional construction, hard-to-treat buildings and historical significance
- how to work with, around and in close proximity to plant and machinery
- how to direct and guide the operations and movement of plant and machinery to

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	<p><u>ensure protection of a safe working environment</u></p> <ul style="list-style-type: none">• <u>how to identify and follow the installation quality requirements</u>• <u>how and why operative care and maintenance of all hand and power tools and ancillary/associated equipment is carried out</u>	
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Commented [PC5]: These statements may not appear in previous NOS. The group should decide what is needed to ensure a broad knowledge of their area of work, plus other knowledge that promotes safety and consideration for others and the built environment

NOS Title	NOS Reference	Grid version control	Edit date	Edits by
HarvestSelecting and transport ing thatching materials	COSVR115v2	1.0	06/09/2021	PC

Performance criteria Meet the contract specification	Knowledge and understanding P5 Meet the contract specification	Knowledge and understanding P3 Selection of resources
P5 EDIT comply with the given contract information to carry out the work efficiently to the required specification by: <ul style="list-style-type: none"> demonstration of demonstrating work skills to: <ul style="list-style-type: none"> handle cut gather stack load tie use and maintain harvesting using and maintaining hand and power tools and ancillary/associated equipment identify, select, harvest and transport three of the following thatching materials to given working instructions for three at least one of the following: <ul style="list-style-type: none"> long straw combed wheat reed water reed sedge grass coppice materials heather marram 	K22 EDIT how the methods of work, to meet the specification, are carried out and how problems are identified and reported by the application of knowledge for safe, healthy and environmental work practices, procedures and skills, relating to the method/ and area of work and materials used to: <ul style="list-style-type: none"> why it is important to identify and select suitable thatching materials how to stack and store thatching materials using appropriate methods and techniques how to handle materials using mechanical and manual methods how to load and transport thatching materials how to use all hand and power tools and ancillary/associated equipment how to work at height using access equipment use access equipment the relevance of an assessment of significance and how to recognise specific requirements for structures of 	K16 EDIT how the materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist resources should be used and how any problems associated with the resources are reported in relation to: <ul style="list-style-type: none"> straw reed grass coppice materials heather marram bent bracken rush flax turf transport equipment harvestinghand and power tools and ancillary/associated equipment digital equipment

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- Commented [PC5]: This is where the knowledge that relates to skills will be included, Knowledge can be broader than skills. All statements relate to 'you need to know and understand' so should be preceded by, how to, why, etc
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- Commented [SP1]: Recommendation from AR (NSMT)
- Commented [PC2]: Either word can be used, working group to decide
- Commented [SP3]: Recommendation from AR (NSMT)
- Commented [PC7]: New addition to the generic section of the NOS to help future proof the NOS.

- bent
 - bracken
 - rush
 - flax
 - turf
- ~~or other~~ specialist local material

special interest, traditional construction, hard-to-treat buildings and historical significance

- how to work with, around and in close proximity to plant and machinery
- how to direct and guide the operations and movement of plant and machinery to ensure protection of a safe working environment
- how to identify and follow the installation quality requirements
- how and why operative care and maintenance of all hand and power tools and ancillary/associated equipment is carried out

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Commented [PC6]: Working group to decide which term to use

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NOS Title	NOS Reference	Grid version control	Edit date	Edits by
Thatch structures with specialist features	COSVR119v3	1.0	06/09/2021	PC

Performance criteria Meet the contract specification	Knowledge and understanding P5 Meet the contract specification	Knowledge and understanding P3 Selection of resources
P5 EDIT comply with the given contract information to carry out the work efficiently to the required specification by: <ul style="list-style-type: none"> demonstration of demonstrating work skills to: <ul style="list-style-type: none"> - measure - mark out - fit - finish - position - secure use and maintain using and maintaining hand tools, portable and power tools and ancillary/associated equipment prepare structures to receive thatch prepare thatching materials thatch structures to given working instructions to provide a surface to prevent the penetration of water, to given working instructions, using one of the following materials: <ul style="list-style-type: none"> - long straw variants (cereal straw) - combed wheat reed (cereal straw) - water reed 	K22 EDIT how the methods of work to meet the specification, are carried out and how problems are identified and reported by the application of knowledge for safe, and healthy and environmental work practices, procedures and skills, relating to the method/ and area of work and materials used to: <ul style="list-style-type: none"> how to prepare structures to receive thatch how to prepare and thatch with long straw variants (cereal straw), combed wheat reed (cereal straw), water reed and specialist materials including sedge grass, heather, marram, bent, bracken, rush, flax and turf or other suitable material how to prepare spars, sways and liggers how to form coatwork, eaves, gables, ridge work, hips, valleys, dormers how to accommodate chimneys structures how to form specialist features to incorporate eyebrow windows, saddles, solar panels, roof lights, back or box gutter, wall capping how to clad upright structures and walls 	K16 EDIT how the materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist resources should be used and how any problems associated with the resources are reported in relation to: <ul style="list-style-type: none"> thatch materials: long straw variants (cereal straw), combed wheat reed (cereal straw) and water reed specialist thatch materials: sedge grass, heather, marram, bent, bracken, rush, flax and turf or other suitable material coppice materials (spars, sways and liggers) netting lead mortar fixing and ancillary items hand and or portable powered tools and ancillary/associated equipment digital equipment

Commented [PC2]: This is K15 and then the stem statement from **Methods of Work**

Commented [PC3]: This is where the knowledge that relates to skills will be included. Knowledge can be broader than skills. All statements relate to 'you need to know and understand' so should be preceded by, how to, why, etc

Commented [PC1]: Either word can be used, working group to decide

Commented [PC6]: New addition to the generic section of the NOS to help future proof the NOS.

<ul style="list-style-type: none"> - specialist materials: sedge grass, heather, marram, bent, bracken, rush, flax, turf or others • prepare spars, sways and liggers • form coatwork, eaves, gables, ridge work, hips, valleys and dormers • accommodate chimneys • form specialist features or clad upright structures to incorporate eyebrow windows, saddles, solar panels, lights, back or box gutter, wall capping 	<ul style="list-style-type: none"> • why it is important to identify the characteristics of thatch materials when used as insulation • how to form joins with other materials and abutments • why it is important to ensure thickness and depth of thatch materials will provide optimum long-term performance • why it is important to position fixings to secure and maintain the integrity of the thatch (depth and spacing) • why it is important to apply fire prevention measures • why it is important to work on buildings of historical significance — how to use all hand tools, and portable power tools and ancillary/associated equipment • how to work at height useusing access equipment • use access equipment • the relevance of an assessment of significance and how to recognise specific requirements for structures of special interest, traditional construction, hard-to-treat buildings and historical significance • how to work with, around and in close proximity to plant and machinery • how to direct and guide the operations and movement of plant and machinery to 	
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ensure protection of a safe working environment

- how to identify and follow the installation quality requirements
- how and why operative care and maintenance of all hand and power tools and ancillary/associated equipment is carried out

Commented [PC4]: Working group to decide which term to use

Commented [PC5]: These statements may not appear in previous NOS, the group should decide what is needed to ensure a broad knowledge of their area of work, plus other interaction that promote safety and consideration for others and the built environment.

NOS Title	NOS Reference	Grid version control	Edit date	Edits by
Prepare and mix earth plasters and earth renders	COSVR767v2	1.0	08/09/2021	PC

Performance criteria Meet the contract specification	Knowledge and understanding P5 Meet the contract specification	Knowledge and understanding P3 Selection of resources
<p>P5 EDIT</p> <p>comply with the given contract information to carry out the work efficiently to the required specification <u>by</u>:</p> <ul style="list-style-type: none"> demonstration of demonstrating work skills to: <ul style="list-style-type: none"> extract measure sample grade test batch temper mix add knock up store use and maintain using and maintaining hand tools, portable and power tools and ancillary/associated equipment prepare and mix the following to given working instructions: <ul style="list-style-type: none"> earth plaster – base and finish coat mix (with or without additives) 	<p>K22 EDIT</p> <p>how the methods of work, to meet the specification, are carried out and how problems are identified and reported by the application of knowledge for safe, healthy and environmental work practices, procedures and skills, relating to the method/and area of work and materials used to:</p> <ul style="list-style-type: none"> how to carry out soil analysis and field testing how to source and select materials, aggregates and additives how to temper materials (soaking etc.) how to batch materials how to prepare and mix earth plasters and earth renders why it is important to protect and store mixed and unmixed materials why it is important to recognise and determine when specialist skills and knowledge are required and report accordingly why it is necessary to determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance 	<p>K16 EDIT</p> <p>how the materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist resources should be used and how any problems associated with the resources are reported <u>in relation to</u>:</p> <ul style="list-style-type: none"> clay, earth, chalk, marle, loam, fibres, aggregates, additives, pigments, lime ancillary items fittings and fixings hand tools, and portable power tools, plant, machinery and ancillary/associated equipment digital equipment

Commented [PC2]: This is K15 and then the stem statement from **Methods of Work**

Commented [PC3]: This is where the knowledge that relates to skills will be included, Knowledge can be broader than skills. All statements relate to 'you need to know and understand' so should be preceded by, how to, why, etc

Commented [PC6]: New addition to the generic section of the NOS to help future proof the NOS.

Commented [PC1]: Either word can be used, working group to decide

- earth render – base and finish coat mix (with or without additives)

- how to use all hand tools, and portable power tools and ancillary/associated equipment
- how to work at height using access equipment
- ~~use access equipment~~
- the relevance of an assessment of significance and how to recognise specific requirements for structures of special interest, traditional construction, hard-to-treat buildings and historical significance
- how to work with, around and in close proximity to plant and machinery
- how to direct and guide the operations and movement of plant and machinery to ensure protection of a safe working environment
- how to identify and follow the installation quality requirements
- how and why operative care and maintenance of all hand and power tools and ancillary/associated equipment is carried out

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NOS Title	NOS Reference	Grid version control	Edit date	Edits by
Re-lay heritage roof coverings	COSVR500v3	1.0	08/09/2021	PC

Performance criteria Meet the contract specification	Knowledge and understanding P5 Meet the contract specification	Knowledge and understanding P3 Selection of resources
P5 EDIT	K22 EDIT	K16 EDIT
<p>comply with the given contract information to carry out the work efficiently to the required specification <u>by</u>:</p> <ul style="list-style-type: none"> demonstration of <u>demonstrating</u> work skills to: <ul style="list-style-type: none"> remove clean stack store prepare measure mark out fix fit finish position and secure use and maintain using and maintaining hand tools, portable and power tools and ancillary/associated equipment stripstripping existing roof coverings and re-lay<u>l</u>aying either to full or partial re-roofing to given working instructions, relating to for at least three of the following: <ul style="list-style-type: none"> single-lap clay tiles clay plain tiles 	<p>how <u>the</u> methods of work, to meet the specification, are carried out and <u>how</u> problems <u>are identified and reported by the</u> application of knowledge for safe, <u>healthy and environmental</u> work practices, procedures and skills, relating to the method/and area of work and materials used, to:</p> <ul style="list-style-type: none"> <u>how to</u> remove and salvage reusable existing roof coverings <u>how to</u> determine, gauge and fix battens and underlays (where required) appropriate to the roof covering <u>how to</u> fix direct to boarded surfaces (sarking) <u>why is it important to</u> restore full or partial natural slates/stone slates and/or tiled roofs in keeping with the existing roof covering <u>why it is necessary to</u> mix and apply mortar to meet the requirements of the contract <u>why it is important to</u> validate appropriate ways in which the work should be carried out <u>why it is important to</u> recognise sensitive areas 	<p>how the materials, components and equipment relating to types, quantity, quality, sizes and sustainability of standard and/or specialist resources should be used and how any problems associated with the resources are reported <u>in relation to</u>:</p> <ul style="list-style-type: none"> battens, sarking boards, sand, cement, lime, underlay, tiles, natural slates/ <u>and</u> stone slates, fittings, flashings, insulation, fixings, ventilators and associated ancillary items hand and/or and powered tools and ancillary/associated equipment <u>digital equipment</u>

Commented [PC6]: Relates to scope/range of knowledge and understanding **Resources and K10 generic knowledge section**. The resources list may be revised during the review.

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Commented [PC7]: Working group to decide whether to retain or remove. NOTE: if removing this must be cascaded across PC5 and K22

Commented [PC1]: Either word can be used, working group to decide

<ul style="list-style-type: none"> - peg tiles - stone slates - regular sized natural slates - random length and width natural slates - flashings - related fittings and components • apply <u>applying</u> re-laid materials to the following areas to given working instructions <u>for the following</u>: <ul style="list-style-type: none"> - verges - eaves - ridge - hips - valley - openings - top and side abutments - general areas 	<ul style="list-style-type: none"> • <u>why it is necessary to</u> maintain heritage and archaeological integrity • <u>why it is necessary to</u> maintain the principles of minimum intervention and reversible alterations • <u>why it is important to</u> stop work at the point when conjecture begins and report findings • <u>why it is important to</u> record work carried out (written, photographic or digital) • <u>why it is necessary to</u> recognise and/or report endangered/<u>and</u> protected flora and fauna • <u>how to</u> remove deteriorated and/or inappropriate materials • <u>how to</u> maintain existing structure • <u>how to</u> integrate existing and new constructional components • <u>how to</u> store salvageable materials and components • <u>how to</u> use <u>all</u> hand tools <u>and</u> power tools and <u>ancillary/associated</u> equipment • use ancillary equipment • <u>how to</u> work at height <u>using</u> access equipment • use access equipment • <u>the relevance of an assessment of significance and how to recognise specific requirements for structures of special interest, traditional construction, hard-to-treat buildings and historical significance</u> 	
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Commented [PC3]: Working group to decide which term to use or remove

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	<ul style="list-style-type: none"> • <u>how to work with, around and in close proximity to plant and machinery</u> • <u>how to direct and guide the operations and movement of plant and machinery to ensure protection of a safe working environment</u> • <u>how to identify and follow the installation quality requirements</u> • <u>how and why operative care and maintenance of all hand and power tools and ancillary/associated equipment is carried out</u> 	
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NOS Title	NOS Reference	Grid version control	Edit date	Edits by
Replace heritage roof coverings	COSVR501v3	1.0	08/09/2021	PC

Performance criteria Meet the contract specification	Knowledge and understanding P5 Meet the contract specification	Knowledge and understanding P3 Selection of resources
P5 EDIT comply with the given contract information to carry out the work efficiently to the required specification by : <ul style="list-style-type: none"> demonstration of demonstrating work skills to: <ul style="list-style-type: none"> remove clean stack store prepare measure mark out fix fit finish position and secure use and maintain using and maintaining hand tools, and portable power tools and ancillary/associated equipment stripstripping existing roof coverings and replace-replacing full roofs or elevations to given working instructions relating to for at least two of the following: <ul style="list-style-type: none"> vernacular and roofing styles specific to geographical areas (for example, Kent pegs, Yorkshire stone slates) 	K22 EDIT how the methods of work, to meet the specification, are carried out and how problems are identified and reported by the application of knowledge for safe, healthy and environmental work practices, procedures and skills, relating to the method/ and area of work and materials used, to : <ul style="list-style-type: none"> how to remove and salvage reusable existing roof coverings why it is necessary to determine, gauge and fix battens and underlays (where required) appropriate to the roof covering how to fix direct to boarded surfaces (sarking) why it is important to replace full or partial natural slates/and stone slates and/or tiled roofs in keeping with the existing roof covering or an earlier style where required why it is necessary to mix and apply mortar to meet the requirements of the contract how to validate appropriate ways in which the work should be carried out how to recognise sensitive areas how to maintain heritage and archaeological integrity 	K16 EDIT how the materials, components and equipment relating to types, quantity, quality, sizes and sustainability of standard and/or specialist resources should be used and how any problems associated with the resources are reported in relation to : <ul style="list-style-type: none"> battens, sarking boards, sand, cement, lime, underlay, tiles, natural slates/and stone slates, fittings, flashings, insulation, fixings, ventilators and associated ancillary items hand and/or and powered tools and ancillary/associated equipment digital equipment

Commented [PC5]: Relates to scope/range of knowledge and understanding **Resources and K10 generic knowledge section**. The resources list may be revised during the review.

Commented [PC2]: This is where the knowledge that relates to skills will be included. There must be a knowledge counterpart for all skills listed however, knowledge can be broader than skills. All statements follow on from the stem statement 'you need to know and understand' so should be preceded by, 'how, why' etc. as in the examples given here

Commented [PC6]: Working group to decide whether to retain or remove. NOTE if removed this must be cascaded across PC5 and K22

Commented [PC1]: Either word can be used, working group to decide

<ul style="list-style-type: none"> - places of religious worship - stately homes - public buildings - historic buildings - castles and/or fortified buildings - conservation areas - listed buildings • replacerereplacing roof coverings in the following areas to given working instructions <u>for the following</u>: <ul style="list-style-type: none"> - verges - eaves - ridge - hips - valleys - openings - top and side abutments - general areas 	<ul style="list-style-type: none"> • <u>how to</u> maintain the principles of minimum intervention and reversible alterations • <u>why it is necessary to</u> stop work at the point where conjecture begins and report findings • <u>how to</u> record work carried out (written, photographic or digital) • <u>how to</u> recognise and or report endangered/ <u>and</u> protected flora and fauna • <u>why it is necessary to</u> remove deteriorated and or inappropriate materials • <u>why it is necessary to</u> maintain <u>the</u> existing structure • <u>how to</u> integrate existing and new constructional components or finishes • <u>how to</u> store salvageable fabric, materials and structural components • <u>how to</u> use hand tools, and power tools and ancillary/<u>associated</u> equipment • use of ancillary equipment • <u>how to</u> work at height use<u>using</u> access equipment • <u>the relevance of an assessment of significance and how to recognise specific requirements for structures of special interest, traditional construction, hard-to-treat buildings and historical significance</u> • <u>how to work with, around and in close proximity to plant and machinery</u> 	
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Commented [SP3]: Working group to decide which term to use

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	<ul style="list-style-type: none">• <u>how to direct and guide the operations and movement of plant and machinery to ensure protection of a safe working environment</u>• <u>how to identify and follow the installation quality requirements</u>• <u>how and why operative care and maintenance of all work hand and/or portable power tools and ancillary/associated equipment is carried out</u>	
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Commented [PC4]: These statements may not appear in previous NOS. The group should decide what is needed to ensure a broad knowledge of their area of work, plus other knowledge that promotes safety and consideration for others and the built environment

NOS Title	NOS Reference	Grid version control	Edit date	Edits by
Repair and maintain heritage roof coverings	COSVR502v3	1.0	08/09/2021	PC

Performance criteria Meet the contract specification	Knowledge and understanding P5 Meet the contract specification	Knowledge and understanding P3 Selection of resources
P5 EDIT comply with the given contract information to carry out the work efficiently to the required specification by : <ul style="list-style-type: none"> demonstration of demonstrating work skills to: <ul style="list-style-type: none"> remove clean stack store prepare measure mark out fix fit finish position and secure use and maintain using and maintaining hand tools, and portable power tools and ancillary/associated equipment repair/repairing existing roof coverings and carry out maintenance to roofs or elevations to given working instructions relating to for at least two of the following: <ul style="list-style-type: none"> vernacular and roofing styles specific to geographical areas (for example, Kent pegs, Yorkshire stone slates) 	K22 EDIT how the methods of work, to meet the specification, are carried out and how problems are identified and reported by the application of knowledge for safe, healthy and environmental work practices, procedures and skills, relating to the method/ and area of work and materials used, to : <ul style="list-style-type: none"> how to differentiate between like-for-like repairs and honest repairs, including date marking how to remove and salvage reusable existing roof coverings why it is important to identify and resolve roof leaks, blockages and general repairs in keeping with the existing roof covering how to fix slate or stone to boarded surfaces (sarking) why it is important to identify and implement preventative remedial and maintenance work why it is necessary to mix and apply mortar to meet the requirements of the contract how to torch (back point) why it is important to validate appropriate ways in which the work should be carried out 	K16 EDIT how the materials, components and equipment relating to types, quantity, quality, sizes and sustainability of standard and/or specialist resources should be used and how any problems associated with the resources are reported in relation to : <ul style="list-style-type: none"> battens, sarking boards, sand, cement, lime, underlay, tiles, natural slates and stone slates, fittings, flashings, insulation, fixings, ventilators and associated ancillary items hand and/or and powered tools and ancillary/associated equipment digital equipment

Commented [PC7]: Relates to scope/range of knowledge and understanding **Resources and K10 generic knowledge section**. The resources list may be revised during the review.

Commented [PC3]: This is where the knowledge that relates to skills will be included. There must be a knowledge counterpart for all skills listed however, knowledge can be broader than skills. All statements follow on from the stem statement 'you need to know and understand' so should be preceded by, 'how, why' etc. as in the examples given here

Commented [SP8]: WG to decide whether to include or omit. NOTE: if removed this needs to be cascaded across the document e.g. K22, PC5

Commented [PC1]: Either word can be used, working group to decide

<ul style="list-style-type: none"> - places of religious worship - stately homes - public buildings - historic buildings - castles and/or fortified buildings - conservation areas - listed buildings • repair/repairing and maintain/maintaining roofs to given working instructions in-for at least three of the following ways: <ul style="list-style-type: none"> - replacing natural slates/stone slates and/or tiles - replacing battens - replacing hip and ridge coverings - replacing flashings - clearing and treating blockages to gutters, outlets and other draining areas - re-bedding and pointing - torching (back pointing) 	<ul style="list-style-type: none"> • why it is important to recognise sensitive areas • why it is necessary to maintain heritage and archaeological integrity • why it is important to maintain the principles of minimum intervention and reversible alterations • why it is important to stop work at the point when conjecture begins and report findings • how to record work carried out (written, photographic or digital) • why it important to recognise and/or report endangered/ and protected flora and fauna • why it is important to remove deteriorated and/or inappropriate materials • why it is important to maintain existing structure • why it is necessary to integrate existing and new constructional components or finishes • how to store salvageable fabric, materials and structural components • how to use all hand tools and power tools and ancillary/associated equipment • use ancillary equipment • how to work at height using access equipment • use access equipment • the relevance of an assessment of significance and how to recognise specific requirements for structures of 	
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Commented [SP2]: With only one exception there are no "/" used throughout the NOS.WG to decide whether to include all items in the list using "and" to separate OR use "or" to separate. The use of "or" will give learners flexibility in the derived qualification products

Commented [SP4]: WG to decide whether to use "and" OR "or", as "/" can not be used.

Commented [SP5]: WG to decide whether to use "and" OR "or", as "/" can not be used.

	<p><u>special interest, traditional construction, hard-to-treat buildings and historical significance</u></p> <ul style="list-style-type: none">• <u>how to work with, around and in close proximity to plant and machinery</u>• <u>how to direct and guide the operations and movement of plant and machinery to ensure protection of a safe working environment</u>• <u>how to identify and follow the installation quality requirements</u>• <u>how and why operative care and maintenance of all work hand and/or portable power tools and ancillary/associated equipment is carried out</u>	
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Commented [PC6]: These statements may not appear in previous NOS. The group should decide what is needed to ensure a broad knowledge of their area of work, plus other knowledge that promotes safety and consideration for others and the built environment

NOS Title	NOS Reference	Grid version control	Edit date	Edits by
Prepare and mix lime mortars	COSVR548v2	1.0	08/09/2021	PC

Performance criteria Meet the contract specification	Knowledge and understanding P5 Meet the contract specification	Knowledge and understanding P3 Selection of resources
P5 EDIT comply with the given contract information to carry out the work efficiently to the required specification by: demonstration of demonstrating work skills to: <ul style="list-style-type: none"> - measure - sample - measure - grade - batch - mix - add - knock up - store <ul style="list-style-type: none"> • use and maintain using and maintaining hand tools, portable and power tools, plant and machinery and ancillary/associated equipment • prepare at least two of the following lime mortars (coarse and fine stuff) mechanically and/or by hand to given working instructions for at least two of the following: <ul style="list-style-type: none"> - hydraulic limes and non-hydraulic limes - lime mortars and additives 	K22 EDIT how the methods of work to meet the specification, are carried out and how problems are identified and reported by the application of knowledge for safe, healthy and environmental work practices, procedures and skills, relating to the method/ and area of work and materials used to: <ul style="list-style-type: none"> • how to source and select materials, aggregates, pozzolans, pigments, additives, fibres • how to apply the lime cycles • how to batch materials • how to mix lime mortars – hydraulic, non-hydraulic, putty, render (with additives and fibres) • how to use all hand tools, and power tools and ancillary/associated equipment • how to use plant and machinery • how to work at height using access equipment • use access equipment • the relevance of an assessment of significance and how to recognise specific requirements for structures of special interest, traditional construction, 	K16 EDIT how the materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist resources should be used and how any problems associated with the resources are reported in relation to: <ul style="list-style-type: none"> • aggregates, non-hydraulic lime, hydraulic lime, putty limes, pozzolans, fibres, additives • ancillary items • hand and/or and powered tools, plant, machinery and ancillary/associated equipment • digital equipment

Commented [PC4]: This is K15 and then the stem statement from **Methods of Work**

Commented [PC5]: This is where the knowledge that relates to skills will be included, Knowledge can be broader than skills. All statements relate to 'you need to know and understand' so should be preceded by, how to, why, etc

Commented [SP1]: Should these be both be in one point "knock up and store"?

Commented [PC8]: New addition to the generic section of the NOS to help future proof the NOS.

Commented [PC2]: Either word can be used, working group to decide

Commented [SP3]: "/" is nor permitted, WG to decide if "and" or "or" should be used

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<p>- lime mortars with fibres (natural or synthetic)</p>	<p><u>hard-to-treat buildings and historical significance</u></p> <ul style="list-style-type: none"> • <u>how to work with, around and in close proximity to plant and machinery</u> • <u>how to direct and guide the operations and movement of plant and machinery to ensure protection of a safe working environment</u> • <u>how to identify and follow the installation quality requirements</u> • <u>how and why operative care and maintenance of all hand and power tools and ancillary/associated equipment is carried out</u> 	
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Commented [PC6]: Working group to decide which term to use

Commented [PC7]: These statements may not appear in previous NOS, the group should decide what is needed to ensure a broad knowledge of their area of work, plus other interaction that promote safety and consideration for others and the built environment.

NOS Title	NOS Reference	Grid version control	Edit date	Edits by
Produce plaster and render finishes on conservation or restoration projects or earthen structures	COSVR556v4	1.0	08/09/2021	PC

Performance criteria Meet the contract specification	Knowledge and understanding P5 Meet the contract specification	Knowledge and understanding P3 Selection of resources
P5 EDIT	K22 EDIT	K16 EDIT
<p>comply with the given contract information to carry out the work efficiently to the required specification <u>by</u>:</p> <ul style="list-style-type: none"> demonstration of demonstrating work skills to: <ul style="list-style-type: none"> measure mark out plumb level apply spread run rule finish position secure use and maintain using and maintaining hand tools, portable and power tools and ancillary/associated equipment produce internal plaster and/or external render finishes to given working instructions relating to the following: <ul style="list-style-type: none"> preparation of background surface 	<p>how <u>the</u> methods of work to meet the specification, are carried out and <u>how</u> problems <u>are identified and reported by the</u> application of knowledge for safe, healthy <u>and environmental</u> work practices, procedures and skills relating to the method/ <u>and area of work and materials used to</u>:</p> <ul style="list-style-type: none"> <u>how to</u> prepare background surface appropriate to plasterwork finish <u>how to</u> apply and finish internal plaster (one, two and three coat), and external render, work to vertical, inclined, curved, horizontal and ceiling surfaces <u>how to</u> form internal and external surfaces <u>how to</u> replicate decorative and textured finishes <u>how to</u> prepare clay, earth plasters, earth renders, coarse stuff, lime putty, plaster, cements and aggregates <u>how to</u> protect unmixed and mixed materials <u>how to</u> geometrically develop moulding profiles 	<p>how the materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist resources should be used and how any problems associated with the resources are reported <u>in relation to</u>:</p> <ul style="list-style-type: none"> plasters earth plasters earth renders clays sand cement lime beads additives bonding agents fixings and associated ancillary items fittings and fixings hand tools, and portable power tools and ancillary/associated equipment digital equipment

Commented [PC3]: This is K15 and then the stem statement from **Methods of Work**

Commented [PC4]: This is where the knowledge that relates to skills will be included, Knowledge can be broader than skills. All statements relate to 'you need to know and understand' so should be preceded by, how to, why, etc

Commented [PC7]: New addition to the generic section of the NOS to help future proof the NOS.

Commented [PC1]: Either word can be used, working group to decide

Commented [SP2]: "/WG to decide which of "and" or "or" should be used

<ul style="list-style-type: none"> - one, two and three coat work - vertical, inclined, curved, horizontal and ceiling surfaces - internal and external angles - replication of decorative and textured finishes - moulded sections 	<ul style="list-style-type: none"> • why it is important to validate appropriate ways in which the work should be carried out • why it is important to recognise sensitive areas • why it is important to maintain heritage and archaeological integrity • why it is necessary to maintain the principles of minimum intervention and reversible alterations • why it is necessary to record work carried out (written, photographic or digital) • why it is important to recognise and/or report endangered/protected flora and fauna (masonry bees) • why it is necessary to remove deteriorated and/or inappropriate materials • why it is important to maintain existing structure • why it is necessary to integrate existing and new constructional components • how to store salvageable fabric, materials and structural components • why it is important to recognise and determine when specialist skills and knowledge are required and report accordingly • why it is important to determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance 	
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	<ul style="list-style-type: none"> • <u>how to use all hand tools, and portable power tools and ancillary/associated equipment</u> • <u>how to work at height using access equipment</u> • use access equipment • <u>the relevance of an assessment of significance and how to recognise specific requirements for structures of special interest, traditional construction, hard-to-treat buildings and historical significance</u> • <u>how to work with, around and in close proximity to plant and machinery</u> • <u>how to direct and guide the operations and movement of plant and machinery to ensure protection of a safe working environment</u> • <u>how to identify and follow the installation quality requirements</u> • <u>how and why operative care and maintenance of all hand and power tools and ancillary/associated equipment is carried out</u> 	
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Commented [PC5]: Working group to decide which term to use

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NOS Title	NOS Reference	Grid version control	Edit date	Edits by
Conserve, restore or repair solid plaster or render surfaces	COSVR557v4	1.0	08/09/2021	PC

Performance criteria Meet the contract specification	Knowledge and understanding P5 Meet the contract specification	Knowledge and understanding P3 Selection of resources
<p>P5 EDIT</p> <p>comply with the given contract information to carry out the work efficiently to the required specification <u>by</u>:</p> <ul style="list-style-type: none"> demonstration of demonstrating work skills to: <ul style="list-style-type: none"> measure mark out plumb level remove apply spread run rule finish position secure use and maintain using and maintaining hand tools, portable and power tools and ancillary/associated equipment conserve, restore or repair existing internal plaster and/or external render to given working instructions relating to the following: 	<p>K22 EDIT</p> <p>how the methods of work to meet the specification, are carried out and <u>how</u> problems <u>are identified and</u> reported <u>by the</u> application of knowledge for safe, healthy and <u>environmental</u> work practices, procedures and skills, relating to the method/ and area of work and materials used to:</p> <ul style="list-style-type: none"> <u>how to</u> remove defective plaster, render and laths <u>how to</u> prepare background surfaces appropriate to the plaster and render finish <u>how to</u> apply and finish internal plaster and external render to the following surfaces: vertical, ceiling, inclined, in-situ moulded, in-situ hand moulded, moulded and cast enrichment, curved (dome, barrel, vault, lunette etc.) and floor <u>how to</u> form internal and external angles <u>how to</u> replicate existing finishes <u>how to</u> stabilise existing plaster and render <u>why it is necessary to</u> validate appropriate ways in which the work should be carried out 	<p>K16 EDIT</p> <p>how the materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist resources should be used and how any problems associated with the resources are reported <u>in relation to</u>:</p> <ul style="list-style-type: none"> lath work plasters earth plasters earth renders clays sand aggregates cements lime beads additives bonding agents fixings associated ancillary items hand tools, and portable powered tools and ancillary/associated equipment <u>digital equipment</u>

Commented [PC6]: This is K15 and then the stem statement from **Methods of Work**

Commented [PC7]: This is where the knowledge that relates to skills will be included, Knowledge can be broader than skills. All statements relate to 'you need to know and understand' so should be preceded by, how to, why, etc

Commented [PC1]: Either word can be used, working group to decide

Commented [SP2]: "/" is not permitted. WG to decide whether "and" or "or" should be used

Commented [PC12]: New addition to the generic section of the NOS to help future proof the NOS.

<ul style="list-style-type: none"> - removal of defective plaster and/or render laths - preparation of background surfaces - replication of existing finishes - stabilisation of existing plaster and/or render - internal and external angles • conserve, restore or repair plaster and/or render surfaces <u>to working instructions for</u> four of the following: <ul style="list-style-type: none"> - vertical - ceiling - inclined - in-situ moulded - moulded and cast enrichment - curved (dome, barrel, vault, lunette etc.) - floor - in-situ hand moulded 	<ul style="list-style-type: none"> • <u>why it is important to</u> recognise sensitive areas • <u>why it is important to</u> maintain heritage and archaeological integrity • <u>why it is necessary to</u> maintain the principles of minimum intervention and reversible alterations • <u>why it is important to</u> record work carried out (written, photographic or digital) • <u>why it is important to</u> recognise and/or report endangered/protected flora and fauna (masonry bees) • <u>why it is necessary to</u> remove deteriorated and/or inappropriate materials • <u>why it is important to</u> maintain existing structure • <u>why it is necessary to</u> integrate existing and new constructional components • <u>why it is necessary to</u> store salvageable materials and components • <u>why it is important to</u> recognise and determine when specialist skills and knowledge are required and report accordingly • <u>why it is important to</u> determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance • <u>how to use all</u> hand <u>tools, and portable</u> power tools and ancillary/associated equipment • <u>how to</u> work at height <u>using</u> access equipment 	
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Commented [SP3]: "/" is not permitted. WG to decide whether "and" or "or" should be used

Commented [SP4]: "/" is not permitted. WG to decide whether "and" or "or" should be used

Commented [SP5]: "/" is not permitted. WG to decide whether "and" or "or" should be used

Commented [SP8]: WG to decide on "and" or "or" ... "/" not permitted

Commented [SP9]: WG to decide on "and" or "or" ... "/" not permitted

	<ul style="list-style-type: none"> • <u>the relevance of an assessment of significance and how to recognise specific requirements for structures of special interest, traditional construction, hard-to-treat buildings and historical significance</u> • <u>how to work with, around and in close proximity to plant and machinery</u> • <u>how to direct and guide the operations and movement of plant and machinery to ensure protection of a safe working environment</u> • <u>how to identify and follow the installation quality requirements</u> • <u>how and why operative care and maintenance of all hand and power tools and ancillary/associated equipment is carried out</u> 	
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Commented [PC10]: Working group to decide which term to use

Commented [PC11]: These statements may not appear in previous NOS, the group should decide what is needed to ensure a broad knowledge of their area of work, plus other interaction that promote safety and consideration for others and the built environment.

NOS Title	NOS Reference	Grid version control	Edit date	Edits by
Conserve, restore or maintain wall and floor tiling	COSVR555v2	1.0	08/09/2021	PC

Performance criteria Meet the contract specification	Knowledge and understanding P5 Meet the contract specification	Knowledge and understanding P3 Selection of resources
<p>P5 EDIT</p> <p>comply with the given contract information to carry out the work efficiently to the required specification by:</p> <ul style="list-style-type: none"> demonstration of demonstrating work skills to: <ul style="list-style-type: none"> measure set out fix finish position lay secure use and maintain using and maintaining hand tools, portable and power tools and ancillary/associated equipment select, match, repair, refurbish, restore or maintain tiled or mosaic surfaces to given working instructions for at least four of the following: <ul style="list-style-type: none"> walls floors staircases patterns, motifs arches, curves or circles reveals, cills or soffits 	<p>K22 EDIT</p> <p>how the methods of work to meet the specification, are carried out and how problems are identified and reported by the application of knowledge for safe, healthy and environmental work practices, procedures and skills, relating to the method/ and area of work and materials used to:</p> <ul style="list-style-type: none"> how to remove, match and replace existing ceramic and natural wall and floor tiles how to remove, match and replace existing and new mosaics how to lay and finish surfaces to match existing how to set designs on irregular surfaces, including staircases, landings, curves, circles, ellipses, obtuse and acute angles how to form reveals, cills and soffits (door and window openings) how to form channels and outlets how to fix angle trims and movement joints why it is important to validate appropriate ways in which the work should be carried out 	<p>K16 EDIT</p> <p>how the materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist resources should be used and how any problems associated with the resources are reported in relation to:</p> <ul style="list-style-type: none"> tiles, mosaics, adhesives, grouts, sealant, plasters, sands, cements, lime, fixings, fittings and associated ancillary items hand and/or and powered tools and ancillary/associated equipment digital equipment

Commented [PC2]: This is K15 and then the stem statement from **Methods of Work**

Commented [PC3]: This is where the knowledge that relates to skills will be included, Knowledge can be broader than skills. All statements relate to 'you need to know and understand' so should be preceded by, how to, why, etc

Commented [PC6]: New addition to the generic section of the NOS to help future proof the NOS.

Commented [PC1]: Either word can be used, working group to decide

<p>- floor channels and outlets</p>	<ul style="list-style-type: none"> • why it is necessary to recognise sensitive areas • why it is important to maintain heritage and archaeological integrity • why it is necessary to maintain the principles of minimum intervention and reversible alterations • why it is important to stop work at the point when conjecture begins and report findings • why it is necessary to record work carried out (written, photographic or digital) • why it is important to recognise and/or report endangered/ <u>and</u> protected flora and fauna • why it is necessary to remove deteriorated and/or inappropriate materials • why it is important to maintain existing structures • why it is important to integrate existing and new constructional components or finishes • why it is important to store salvageable materials • how to use <u>all</u> hand tools, <u>and</u> power tools <u>and</u> ancillary/associated equipment • how to work at height <u>using</u> access equipment • use access equipment • the relevance of an assessment of significance and how to recognise specific requirements for structures of
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	<p><u>special interest, traditional construction, hard-to-treat buildings and historical significance</u></p> <ul style="list-style-type: none"> • <u>how to work with, around and in close proximity to plant and machinery</u> • <u>how to direct and guide the operations and movement of plant and machinery to ensure protection of a safe working environment</u> • <u>how to identify and follow the installation quality requirements</u> • <u>how and why operative care and maintenance of all hand and power tools and ancillary/associated equipment is carried out</u> 	
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Commented [PC4]: Working group to decide which term to use

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NOS Title	NOS Reference	Grid version control	Edit date	Edits by
Conserve or restore timber-based products	COSVR553v2	1.0	08/09/2021	PC

Performance criteria Meet the contract specification	Knowledge and understanding P5 Meet the contract specification	Knowledge and understanding P3 Selection of resources
P5 EDIT comply with the given contract information to carry out the work efficiently to the required specification <u>by</u> : <ul style="list-style-type: none"> demonstration of demonstrating work skills to: <ul style="list-style-type: none"> measure mark out cut shape fit finish position secure use and maintain using and maintaining hand tools, fixed and/or portable and power tools and ancillary/associated equipment prepare, install, repair or refurbish timber-based products to given working instructions for at least eight of the following: <ul style="list-style-type: none"> load bearing components non-load bearing components walls floors 	K22 EDIT how the methods of work to meet the specification, are carried out and <u>how</u> problems <u>are identified and</u> reported <u>by the</u> application of knowledge for safe, <u>healthy and environmental</u> work practices, procedures and skills, relating to the method/ and area of work and materials used to : <ul style="list-style-type: none"> <u>how to</u> prepare, repair and refurbish timber-based products and their associated components; after removal and in situ <u>how to</u> install timber-based products <u>how to</u> determine bevels for rake to rake and rake to level mouldings <u>how to</u> form joints appropriate to the method of construction <u>why is it important to</u> validate appropriate ways in which work should be carried out <u>why is is necessary to</u> recognise sensitive areas maintain heritage and archaeological integrity <u>why is it important to</u> maintain the principles of minimum intervention and reversible alterations 	K16 EDIT how the materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist resources should be used and how any problems associated with the resources are reported <u>in relation to</u> : <ul style="list-style-type: none"> timber fixings and associated ancillary items hand and/or and powered tools and <u>ancillary/associated</u> equipment <u>digital equipment</u>

Commented [PC3]: This is K15 and then the stem statement from **Methods of Work**

Commented [PC4]: This is where the knowledge that relates to skills will be included, Knowledge can be broader than skills. All statements relate to 'you need to know and understand' so should be preceded by, how to, why, etc

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Commented [PC5]: For rake, to rake and rake, is this correct?

Commented [PC1]: Either word can be used, working group to decide

<ul style="list-style-type: none"> - roofs - joist coverings - frames (including windows) - panelling/ or cladding - units and fitments - doors - mouldings - staircases 	<ul style="list-style-type: none"> • <u>why is it necessary to</u> stop work at the point when conjecture begins and report findings • <u>how to</u> record work carried out (written, photographic or digital) • <u>why is is necessary to</u> recognise and/ or report endangered/ and protected flora and fauna • <u>why is it important to</u> remove deteriorated and/ or inappropriate materials • <u>why is is necessary to</u> maintain existing structure • <u>why is it important to</u> integrate existing and new constructional components or finishes • <u>how to</u> store salvageable materials and components • <u>how to</u> use <u>all</u> hand tools, and power tools and <u>ancillary/associated</u> equipment • <u>how to</u> work at height <u>using</u> access equipment • use access equipment • <u>the relevance of an assessment of significance and how to recognise specific requirements for structures of special interest, traditional construction, hard-to-treat buildings and historical significance</u> • <u>how to work with, around and in close proximity to plant and machinery</u> 	
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Commented [PC2]: Forward slash / cannot be used in the NOS with the exception at PC6. Working group to decide whether to use 'and' OR 'or'

	<ul style="list-style-type: none">• <u>how to direct and guide the operations and movement of plant and machinery to ensure protection of a safe working environment</u>• <u>how to identify and follow the installation quality requirements</u>• <u>how and why operative care and maintenance of all hand and power tools and ancillary/associated equipment is carried out</u>	
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Commented [PC6]: Working group to decide which term to use

Commented [PC7]: These statements may not appear in previous NOS, the group should decide what is needed to ensure a broad knowledge of their area of work, plus other interaction that promote safety and consideration for others and the built environment.

NOS Title	NOS Reference	Grid version control	Edit date	Edits by
Conserve or restore heavy timber framework	COSVR554v2	1.0	08/09/2021	PC

Performance criteria Meet the contract specification	Knowledge and understanding P5 Meet the contract specification	Knowledge and understanding P3 Selection of resources
P5 EDIT comply with the given contract information to carry out the work efficiently to the required specification <u>by:</u> <ul style="list-style-type: none"> demonstration of demonstrating work skills to: <ul style="list-style-type: none"> measure mark out cut joint shape fit fix finish position secure record use and maintain using and maintaining hand tools, hand-held portable and power tools, power tools/machines and ancillary/associated equipment prepare, conserve, restore, renew, repair or refurbish heavy timber framework to given working instructions for at least one of the following: 	K22 EDIT how the methods of work to meet the specification, are carried out and <u>how</u> problems <u>are identified and</u> reported <u>by the</u> application of knowledge for safe, <u>healthy and environmental</u> work practices, procedures and skills, relating to the method/ and area of work <u>and materials used to:</u> <ul style="list-style-type: none"> <u>how to</u> determine angles and lengths <u>how to</u> brace in-situ components to form or support structural and or non-structural frameworks <u>how to</u> determine graded timber tree anatomy and growth rates, shrinkage and defects <u>why it is necessary to</u> assess the milling and cleaving process <u>why is it important to</u> determine how the conversion affects the end use <u>how to</u> form joints associated with structural and non-structural timber frame components 	K16 EDIT how the materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist resources should be used and how any problems associated with the resources are reported <u>in relation to:</u> <ul style="list-style-type: none"> timber, pre-fabricated components pegs, metal fixings, glues and resin products mechanical lifting equipment hand tools and hand-held portable powered tools and ancillary/associated equipment <u>digital equipment</u>

Commented [PC3]: This is K15 and then the stem statement from **Methods of Work**

Commented [PC4]: This is where the knowledge that relates to skills will be included, Knowledge can be broader than skills. All statements relate to 'you need to know and understand' so should be preceded by, how to, why, etc

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Commented [PC7]: New addition to the generic section of the NOS to help future proof the NOS.

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Commented [PC1]: Either word can be used, working group to decide

<ul style="list-style-type: none"> - walls (structural and/or non-structural) - floors - roofs 	<ul style="list-style-type: none"> • <u>how to</u> work with lifting and hoisting equipment • <u>why it is necessary to</u> finish surfaces • <u>why it is important to</u> validate appropriate ways in which the work should be carried out • <u>why it is important to</u> recognise sensitive areas • <u>why it is important to</u> maintain heritage and archaeological integrity • <u>why it is necessary to</u> maintain the principles of minimum intervention and reversible alterations • <u>why it is necessary to</u> stop work at the point when conjecture begins and report findings • <u>how to</u> record work carried out (written, photographic or digital) • recognise and or report endangered and protected flora and fauna • <u>why it is important to</u> remove deteriorated and or inappropriate materials • <u>why it is important to</u> maintain existing structure • <u>why it is important to</u> integrate existing and new constructional components or finishes • <u>how to</u> store salvageable components • <u>how to</u> use <u>all</u> hand tools, <u>and</u> power tools and <u>ancillary/associated</u> equipment 	
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Commented [PC2]: Forward slash / cannot be used in the NOS with the exception of PC6. Working group to decide whether to use 'and' OR 'or'

	<ul style="list-style-type: none"> • how to work at height using access equipment • use access equipment • the relevance of an assessment of significance and how to recognise specific requirements for structures of special interest, traditional construction, hard-to-treat buildings and historical significance • how to work with, around and in close proximity to plant and machinery • how to direct and guide the operations and movement of plant and machinery to ensure protection of a safe working environment • how to identify and follow the installation quality requirements • how and why operative care and maintenance of all hand and power tools and ancillary/associated equipment is carried out 	
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