



BSS26003 – Nature Recovery Framework Specification

Purpose and objectives

The purpose of this Framework is to appoint a range of competent, pre-approved contractors capable of delivering planned and responsive grounds and environmental maintenance services across Pembrokeshire for the Nature recovery team.

Key objectives:

- Maintain high standards of presentation across Public rights of ways, Conservation areas, archaeology and owned sites
- Ensure compliance with statutory and environmental obligations.
- Provide rapid, reliable response to seasonal requirements.
- Support sustainability and biodiversity.
- Conserve and enhance the natural beauty, wildlife and cultural heritage of the National Park.

Framework Overview

The Framework will operate for a period of eight (8) years, open framework. The Framework will be opened at least once in the first 3 years.

It will comprise eleven Lots, covering most aspects of the nature recovery team's work.

Each Lot may be called off under mini-competition or direct award, depending on the nature of the works.

Contractors may apply for one or multiple Lots. Performance will be managed via KPIs, service audits, and resident and PCNPA staff's satisfaction feedback.

Contractors should be aware that the National Park Authority has a statutory purpose to conserve and enhance the natural beauty, wildlife and cultural heritage of the National Park. This means, work may take longer in some contexts, particularly in the case of designated sites e.g. scheduled monuments, sites of special scientific interest.

Scope of service by Lot

Lot 1 – Fencing

Operatives carrying out these works must be trained and hold the appropriate qualifications / certifications

All structures must be installed to British Standards: BS1722-19

- A. Stock netting topped with one strand of barbed wire using treated soft wood posts.
- B. Stock netting topped with two strands of barbed wire using treated soft wood posts.
- C. Post and rail fence with treated soft wood.
- D. Stock netting topped with one strand of barbed wire using non-treated hard wood posts.
- E. Stock netting topped with two strands of barbed wire using non-treated hard wood posts.
- F. Post and rail fence with non-treated hard wood.
- G. Three strands of barbed wire stock fencing in treated soft wood.
- H. Three strands of barbed wire fencing with non-treated hardwood.
- I. Fencing on a wet site with specialized tracked machine (Day rate for bespoke machinery).
- J. Fencing on Rocky terrain. (Day Rate on top of one of the above).
- K. Installation of Clipex metal fencing. Using 2 strands of barbed wire and sheep netting.
- L. Installation of Clipex metal fencing. Using 2 strands of barbed wire and sheep netting.
PCNPA providing equipment.
- M. Removal and disposal of old fence line

Lot 2 – INNS

Operatives carrying out these works must be trained and hold the appropriate qualifications / certification. All contractors are expected to have a Bio security plan.

- A. Site monitoring visit. This will consist of a post-treatment inspection and report prior to treatment.
- B. Spraying an area infected with Japanese knotweed.
- C. Stem injection treatment of Japanese knotweed.
- D. Cutting stems of Japanese knotweed through the winter period using hand tools.
- E. Stump treatment. Cutting of woody material and treating the stumps with Eco plugs to eradicate the plant.
- F. Using herbicide to sprays areas of winter Heliotrope.
- G. Clearance of Himalayan Balsam using brushcutters, hand tools and pulling by hand
- H. Complete relevant consent screening and high-risk consent applications to NRW when using herbicide in designated sites (SSSI/SACS etc) and or / in or near water (AW)

Lot 3 – Sites Vegetation Management

Operatives carrying out these works must be trained and hold the appropriate qualifications / certification. All contractors are expected to have a Bio security plan and risk assessment in place.

- A. Growth cut / cleared using handheld tools & equipment.
- B. Clearing heavy growth with (Brushcutters, hand tools and chainsaws).
- C. Clearance of site using a tracked machine with flail mower.
- D. Clearance using a RC flail mower.
- E. Clearance using a forestry Mulcher cutting head.
- F. Clearance using a Tractor mounted Flail.
- G. Clearance using a tracked digger with a forestry mulching cutting head.
- H. Cut and collect using a tracked machine.
- I. Cut and collect using a RC Mower.
- J. Cut and collect using RC and disposal offsite.
- K. Cut and collect of tracked machine and disposal offsite.
- L. Set daily rate to include all overheads when using hand tools such as: Brushcutter, hedge trimmers, hooks, forks etc. for 8hrs
- M. Set daily rate to include all overheads when using any of the following machinery: RC mower, Tracked machines, Digger and forestry flail, tractor mounted flail. 7:24hours

Lot 4 – Path Vegetation management

Operatives carrying out these works must be trained and hold the appropriate qualifications / certification. All contractors are expected to have a Bio security plan and risk assessment in place.

- A. Footpath vegetation clearance. The minimum width of the footpath is 2.0 meters. Contractor is expected to cut the surface of the path to a maximum height of 8 cm using hand tools such as: brush cutters, hedge cutters, hooks, pruning saws and forks.
- B. Bridal way vegetation clearance. The minimum width of the footpath is 3.0 meters. Contractor is expected to cut the surface of the path to a maximum height of 8 cm using hand tools such as: brush cutters, hedge cutters, hooks, pruning saws and forks.
- C. Use of a pedestrian mower to cut areas of the footpath. The contractor is expected to cut the height of the path to a maximum of 8 cm.
- D. Use a Pedestrian walk behind Flail or Rotary mower. The contractor is expected to cut the surface of the path to a maximum height of 8 cm.
- E. Use of the RC Flail mower. The contractor is expected to cut the surface of the path to a maximum height of 8 cm.
- F. Use a Compact Tractor to cut the side and bottom of PROW. Contractor is expected to cut the surface of the path to a maximum height of 8 cm and cut the sides to a minimum width of 1.5m and a height of 2.5m.
- G. Use of a chainsaw and a Hedge cutter to side cut PROW sides to minimum width of 1.5m and a height of 2.5m.
- H. Use of hand tools such as strimmer, brush cutter, hedge cutters to clear virgin PROW of a minimum of 2m wide and maximum of 3.5m wide.
- I. A set daily (7:24hr) rate for a contractor using hands tools such as a strimmer, brush cutter, and hedge cutters.

- J. A set daily (7:24hr) rate for a contractor using small plant machinery such as contactors with flails, mini diggers, RC flail mowers, etc.

Lot 5 – Tree works

Operatives carrying out these works must be trained and hold the appropriate qualifications / certification. All contractors are expected to have a Bio security plan and risk assessment in place.

- A. Use of a tracked or wheeled chipper with operator per (7:24hr) day.
- B. Use of a stump grinder and operator per (7:24hr) day
- C. Use of a chainsaw operator and a mobile elevated working platform (MEWP) per (7:24hr) day.
- D. Aerial tree works. (Reducing height of tree, branch removal, etc.). Rate per (7:24hr) Day, at least 2 people, to include employees equipped and trained to undertake aerial rescue and equipment.
- E. Use of a tracked machine with a grab and chainsaw attachment suitable for clearing windblown and hung-up trees.

Lot 6- Ecology

This Lot provides multidisciplinary ecological services to support the Authority's statutory duties, internal planning, projects and development activities, land management, conservation programmes, monitoring, and nature recovery.

- A. General ecological Survey & Assessment
- B. Specialist ecological advice
- C. Ecological monitoring
- D. Training for Authority staff and partners (e.g., survey methods, biosecurity, legal compliance).
- E. Ecological Impact Assessment (EcIA), Construction ecology method statements Ecological Mitigation Strategy.
- F. Protected species surveys (e.g., bats, dormouse, otter, badger, great crested newt [GCN], reptiles, birds, invertebrates, plants) and licensing support (e.g., EPS licences with NRW),
- G. Site management plans
- H. Protected and rare species surveys (e.g., bats, dormouse, otter, badger, great crested newt [GCN], reptiles, birds, invertebrates, higher and lower plants) and licensing support (e.g., EPS licences with NRW).

Lot 7 – Kit bridges:-

Add for profit/liabilities, inclusive of all costs in loading / unloading and transporting/delivering materials to any site.

All structural elements of the bridges must be designed in accordance with the following:

DESIGN MANUAL FOR ROADS AND BRIDGES (DMRB):

BS EN 1990:2002+A1:2005 EUROCODE. BASIS OF STRUCTURAL DESIGN

BS EN 1991-2:2003, EUROCODE 1: ACTIONS ON STRUCTURES – PART 2:

STEEL ELEMENTS IN ACCORDANCE WITH BS EN1993

TIMBER ELEMENTS IN ACCORDANCE WITH BS EN 1995

Pedestrian bridges should be tested crowd loading of 5.0kN/m² for pedestrian and cycle use and point loading of 7.0kN for bridleway bridges.

All bridges will be delivered in kit for PCNPA staff to construct.

800mm wide wooden pedestrian bridges including handrails.

- A1. A wooden kit bridge 800mm wide by 3mtr long.
- A2. A wooden kit bridge 800mm wide by 4mtr long.
- A3. A wooden kit bridge 800mm wide by 5mtr long.
- A5. A wooden kit bridge 800mm wide by 6mtr long.
- A6. A wooden kit bridge 800mm wide by 7mtr long.
- A7. A wooden kit bridge 800mm wide by 8mtr long.
- A8. A wooden kit bridge 800mm wide by 9mtr long.

120mm wide wooden pedestrian bridges including handrails.

- B1. A wooden kit bridge 120mm wide by 3mtr long.
- B2. A wooden kit bridge 120mm wide by 4mtr long.
- B3. A wooden kit bridge 120mm wide by 5mtr long.
- B4. A wooden kit bridge 120mm wide by 6mtr long.
- B5. A wooden kit bridge 120mm wide by 7mtr long.
- B6. A wooden kit bridge 120mm wide by 8mtr long.
- B7. A wooden kit bridge 120mm wide by 9mtr long.

Composite material Bridge construction

- C1. 1mtr wide by 3mtr long
- C2. 1mtr wide by 4mtr long
- C3. 1mtr wide by 5mtr long
- C4. 1mtr wide by 6mtr long
- C5. 1mtr wide by 7.2mtr long
- C6. 1mtr wide by 8.4mtr long
- C7, . 1mtr wide by 9.6mtr long
- C8, . 1.2mtr wide by 3mtr long
- C9. 1.2mtr wide by 4mtr long
- C10. 1.2mtr wide by 5mtr long
- C12. 1.2mtr wide by 6mtr long
- C13. 1.2mtr wide by 7.2mtr long
- C14. 1.2mtr wide by 8.4mtr long
- C15. 1.2mtr wide by 9.6mtr long
- C16. 1.5mtr wide by 3mtr long
- C17 1.5mtr wide by 4mtr long
- C18 1.5mtr wide by 5mtr long
- C19 1.5mtr wide by 6mtr long
- C20 1.5mtr wide by 7.2mtr long
- C21. 1.5mtr wide by 8.4mtr long
- C22 1.5mtr wide by 9.6mtr long

Recycled plastic bridges

- D1. A recycled plastic kit bridged 800mm wide by 3mtr long
- D2. A recycled plastic kit bridged 800mm wide by 4mtr long
- D3. A recycled plastic kit bridged 800mm wide by 5mtr long
- D4. A recycled plastic kit bridged 800mm wide by 6mtr long
- D5. A recycled plastic kit bridged 800mm wide by 7mtr long

- D6. A recycled plastic kit bridged 800mm wide by 8mtr long
- D7. A recycled plastic kit bridged 800mm wide by 9mtr long

Recycled plastic kit bridges:- 120mm wide

- E1. A recycled plastic kit bridges kit bridged 120mm wide by 3mtr long
- E2. A recycled plastic kit bridged 120mm wide by 4mtr long
- E3. A recycled plastic kit bridged 120mm wide by 5mtr long
- E4. A recycled plastic kit bridged 120mm wide by 6mtr long
- E5. A recycled plastic kit bridge 120mm wide by 7mtr long
- E6. A recycled plastic kit bridged 120mm wide by 8mtr long
- E7. A Recycled plastic kit bridged 120mm wide by 9mtr long

Lot 8 – Gates, stiles, steps and small bridges

Operatives carrying out these works must be trained and hold the appropriate qualifications / certification.

Supply and install the following items complete, to include excavation, concrete, disposal, etc.

All structures must be installed to British Standards: BS 5709:2018

- A1. Heavy Duty 5 Bar Field gate complete with posts latches, fixings, etc. Gate opening width 3600mm.
- A2. Heavy Duty 5 Bar Field gate complete with posts latches, fixings, etc. Gate opening width 4200mm
- A3. Heavy Duty 5 Bar Field gate complete with posts latches, fixings, etc. Gate opening width 4600mm
- A4. Remove defective sign post including concrete foundation.

Fix only:- (Posts supplied by PCNPA)

- B1. Sign post - timber, 1800 - 2850mm long not exceeding 150x150mm cross section, set post in earth.
- B2. Sign post - timber, 1800 - 2850mm long not exceeding 150x150mm cross section, set post in concrete.

Fix only:- (Steps supplied by PCNPA)

- C1. Single Step.
- C2. Two steps.
- C3. Run of three steps.
- C4. Run of five steps.

Stiles:- (supplied by PCNPA)

- D1. Removal of defective two step stile and dog gate including concrete foundation.
- D2. Replace damaged step on existing stile.

Fix only:- (include for concrete foundation unless otherwise specified).

- E1. One-step stile
- E2. Two-step stile
- E3. Dog gate to new stile
- E4. Dog gate to existing stile

Bollards or CMP markers. **Fix only:-** include for concrete foundation unless otherwise specified

- F1. 150x150mm Timber bollard 1200mm length.
- F2. 200x200mm Timber bollard 1200mm length.

Gates. **Fix only:-** include for concrete foundation unless otherwise specified

- G1. Pembrokeshire wooden gate, Gate opening width 1260mm.
- G2. Pembrokeshire wooden gate, Gate opening width 1570mm.
- G3. Woodstock Pedestrian Kissing gate, (Maximum length in fence line 2.00m, width across hoops 1.20m).
- G4. Woodstock Pedestrian Kissing gate, (Maximum length in fence line 2.60m, width across hoops 1.70m).
- G5. Heavy Duty Field gate, Gate opening width 3000mm.
- G6. Heavy Duty Field gate, Gate opening width 3600mm.
- G7. Bristol Two in One gate, Gate opening width 3660mm.
- G8. Bristol Two in One, Gate opening width 4575mm.

Gate latch kit fixings. **Fix only:-** (supplied by PCNPA)

H1. Easy latch kit attachments for timber gates.

H2. Easy latch kit attachments for metal gates.

Sleeper Bridge. **Fix only:-**

I1. Construct bridge using railway sleepers (sleepers & mesh supplied by PCNPA)
750mm wide, 2500mm long, supply and install all fixings.

Dayworks.

The following are 'ALL IN' rates as defined in the Day work Definition to include the basic cost together with all other items referred to in the Adjustments to the basic cost. Add for profit/liabilities, inclusive of all costs in loading / unloading and transporting/delivering materials to any site.

J1. General labourer.

J2. Craftsman.

J3. Lorry 11 tonnes and Driver.

J4. Mini Excavator 2 to 6 tonnes and Operator.

J5. JCB - Excavator / Loader 6 to 10 tonnes and Operator.

J6. Vibrating Roller 368-420Kg.

J7. Ride on Twin Roller 1400Kg.

J8. Flat bed truck 3 tonnes and Driver.

Lot 9 - Plant Work

PATH AND BRIDLEWAY GRADING AND SURFACING

Excavation

- A. Footpath minimum 1.00m wide, excavate soft material down to a firm base approx 25mm thick
- B. Footpath minimum 1.00m wide, excavate soft material down to firm base approx. 50mm thick, remove surplus excavated material from site.
- C. Bridleway minimum 3.00m wide, excavate soft material down to firm base approx. 100mm thick, dispose of surplus excavated material by spreading on site adjacent to excavation.
- D. Bridleway minimum 3.00m wide, excavate soft material down to firm base approx. 100mm thick, remove surplus excavated material from site.

Surfacing

- E. Footpath minimum 1.00m wide, re-form surface with imported stone aggregate, 20mm to dust to form bed 50mm average thickness, graded to level of surrounding ground and thoroughly compacted using a plate compactor. (Note: contractor to include for all materials required).
- F. Bridleway minimum 3.00m wide, re-form surface with imported stone aggregate, 20mm to dust to form bed 100mm average thickness, graded to level of surrounding ground and thoroughly compacted using a plate compactor. (Note: contractor to include for all materials required).
- G. Allow here for hand sowing / incorporating grass seed into surfaces of Footpath minimum 2.00m wide. (Grass seed provided by PCNPA).
- H. Allow here for hand sowing / incorporating grass seed into surfaces of Bridleway minimum 3.00m. (Grass seed provided by PCNPA).

Drainage to include: - setting aside turf / topsoil, excavating, disposal of excavated material by spreading adjacent to excavations, importing materials & equipment as required to carry out the works on site.

Water turn Byes (Cross drain)

Cut off drains; constructed to direct water off the path surface into ditches or soakaways: -

- I. Excavate recess, prepare ground and install railway sleeper set at an angle across the Footpath and proud of the surface. Allow for cutting sleeper to length required. Use timber pegs driven into ground to fix location of sleeper. (Footpath minimum 1.50 meters wide). (Railway sleeper 2500 x 250 x 150mm provided by PCNPA)
- J. Excavate recess, prepare ground and install railway sleeper set at an angle across the Bridleway and proud of the surface. Allow for cutting sleeper to length required. Use timber pegs driven into ground to fix location of sleeper. (Bridleway minimum 3.50 meters wide). (Railway sleeper 2500 x 250 x 150mm provided by PCNPA)
- K. Excavate unlined open ditch approx. 300 x 300

French drains: - Drainage trench filled with clean aggregate to allow water to pass below surface of ground

- L. Trench 300 x 300mm deep, filled with 20 mm clean aggregate
- M. Trench 300 x 450mm deep, lay 100 mm reinforced plastic perforated pipe, trench filled with 20mm clean aggregate flush with surface.
- N. Trench 300 x 450mm deep, lay 150 mm reinforced plastic perforated pipe, trench filled with 20mm clean aggregate flush with surface.
- O. Trench 300 x 450mm deep, lay 225 mm reinforced plastic perforated pipe, trench filled with 20mm clean aggregate flush with surface.

- P. Trench 300 x 450mm deep, lay 100 mm reinforced plastic perforated pipe, trench part filled with 20mm clean aggregate.
- Q. Trench 300 x 450mm deep, lay 150 mm reinforced plastic perforated pipe, trench part filled with 20mm clean aggregate 350mm deep, covered in terram type porous plastic membrane and recovered with approx 100mm thick topsoil and turfed / reseeded as required.
- R. Trench 300 x 450mm deep, lay 225 mm reinforced plastic perforated pipe, trench part filled with 20mm clean aggregate 350mm deep, covered in terram type porous plastic membrane and recovered with approx. 100mm thick topsoil and turfed / reseeded as required.
- S. Precast concrete head wall to include: - excavating, disposal of excavated material by spreading adjacent to excavations, importing materials and equipment as required to carry out the works on site.

10 - Machinery Maintenance

To carry out allotted annual service (or hours restricted service) for the following machines: Note: All servicing must be carried in accordance with:

The manufactures service manual, Current health and safety legislation, PUWER requirements, LOLER (where applicable) Servicing must include as a minimum, Full inspection of safety critical components, Air filter inspection/replacement, Fuel filter inspection/Replacement, Spark plug inspection/ Replacement, Chain break function test (Chainsaws), Bar and chain condition assessment, Blade/Attachment inspection, Battery health check (battery equipment), Calibration and adjustments.

A written service report must be provided for each machine Genuine manufactures parts shall be used unless prior written approval is given.

Scope of services

- **Annual service in accordance with manufactures specification**
- **Hours based servicing where applicable**
- **Safety inspections**
- **Fault Diagnostics**
- **Repairs Subject to Approval Thresholds**
- **Supply and fitting of genuine or approved equivalent parts**

Machinery Covered under this lot

- A. Stihl Brush cutter FS461 (Pet)
- B. Stihl short reach hedge cutter (Pet)
- C. Stihl Short reach hedge cutter (Bat)
- D. Stihl long reach Hedge trimmer (Pet)
- E. Stihl Long reach Hedge trimmer (Bat)

F.	Stihl Power Pole pruner (Pet)
G.	Stihl MSA300 Battery chainsaw
H.	Stihl MS261 Chainsaw (Pet)
I.	Stihl 500l Chainsaw (Pet)
J.	Top handle chainsaw (Bat)
K.	Koppl Hydro Luchs Ped flail mower
L.	Koppl Taurus Ped flail mower
M.	AS Sherpa Rotary ride on mower
N.	John Deere ride on mower
O.	Green climber LV300 pro RC flail mower
P.	Cararro Alpine tractor
Q.	Valtra tractor
R.	ATV sit astride
S.	UTV sit beside
	Ritec cut and collect flail mower (Tractor
T.	attchment)
	Pledstrian mower Drum mower (Koppl
U.	attchment)
V.	Kubota ride on mower
W.	Kubota compact tractor
X.	Ladders (to working at high regs spec)
Y.	Bobkat Flail mower
Z.	Bobkat 360 rotary mower

Timings

Routine service turnaround time must be within 5 working days, Urgent repair response time 72 hours

Lot 11 – Timber procurement

All timber procured must be suitable for the intended application.

All timber must:

Meet UK Timber Regulations (UKTR).

Comply with relevant British Standards : BS EN 14081 Strength graded structural timber, BS

EN 336 Descensions and tolerances, BS EN 335 Durability and use classes, BS EN 350

Natural Durability of wood

Timber must be free from:

- **Active rot**
- **Excessive wane**
- **Structural shake**

- Excessive twist or bow

Orders must specify species, dimensions and grade.

Timber must arrive labelled, protected, and traceable.

Supplier must provide species origin.

The Authority may inspect materials, audit documentation, and request certificates.

Non-compliance may result in rejection, withholding of payment, or corrective action.

- A. sweet chestnut
- B. larch