**Environmental Technology (ET) NOS Review**

**Introduction**

Building Services Engineering (BSE) Skills Ltd, is a joint venture by SELECT, SNIPEF and the BESA, set up to manage and develop National Occupational Standards (NOS), qualifications and apprenticeships for the building services engineering sector across the UK, as well as addressing the wider skills needs of the sector. BSE Skills works with key UK partners including APHC, BPEC, ECA, NET, TESP and others.

**National Occupational Standards (NOS) for Environmental Technologies (ET)**

The first suite of ET NOS was produced in 2008 (by SummitSkills) and re-approved in 2014 with a recommendation to update in 2018 but this update did not happen. BSE Skills Ltd has now been contracted to carry out a review of the ET NOS across the UK. The current suite of ET NOS is shown below.

|  |  |
| --- | --- |
| **Reference** | **Updated Title** |
| SUMETS01  | Install, test and commission environmental technology systems |
| SUMETS02 | Service and maintain environmental technology systems |
| SUMETS03 | Diagnose and rectify faults in environmental technology systems |
| SUMPM10 | Manage work activities and resources to meet BSE project requirements |
| SUMPM14 | Develop, test and agree BSE project designs |
| SUMPM15 | Commission BSE installations |
| SUMPM16 | Determine requirements for environmental technologies in BSE |

The NOS listed above are currently used to address competence in a range of Environmental Technologies either individually or combined as required. New technologies have entered the field (notably Hydrogen) and need to be understood, captured and accommodated within this suite to ensure ongoing relevance. The current range of Environmental Technologies used is shown below.

|  |  |
| --- | --- |
| * Solar Water and Heating
* Underfloor Heating Micro CHP
* Ground Source Heat Pumps
* Air Source Heat Pumps
* Biomass/Biomass Fuels (Liquid)
* Rainwater Harvesting
 | * Grey Water
* Mech. Heat Recovery Ventilation
* Photovoltaics for Microgeneration
* Micro Wind Energy
* Micro Hydro Gen. Schemes
* Fuel Cell Technology
 |

**How you can help**

**As part of the review, BSE Skills Ltd must consult with employers, training providers and other key stakeholders across the UK to ensure the revised NOS meets the needs of the sector. We need your input and are asking you to:**

* **Read** through the NOS specifications (provided separately) and **provide feedback** by telling us in:
	+ Section 1: a little bit about yourself and your organisation (just the basics)
	+ Section 2: whether the current NOS are fit for purpose (FFP) or could be improved and what that improvement should be
	+ Section 3: whether currently listed technologies should be retained or removed (and why)
	+ Section 4: anything further which is not accommodated elsewhere
* **Return** the completed consultation template (Sections 1-4) **IN MICROSOFT WORD:**
	+ to Alan McDonald at **alan.mcdonald7@ntlworld.com**
	+ by noon on **Friday 24 September 2021**

**Section 1: About You**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Position (job title)** | **Organisation** | **Location (HQ)** | **No. of (direct) employees** | **Email** |
|  |  |  |  |  |  |

**Section 2: Your feedback on the ET NOS (mark X in FFP or Improve column)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NOS Ref.** | **NOS Title** | **FFP** | **Improve** | **Suggested Improvement** |
| SUMETS01  | Install, test and commission environmental technology systems |  |  |  |
| SUMETS02 | Service and maintain environmental technology systems |  |  |  |
| SUMETS03 | Diagnose and rectify faults in environmental technology systems |  |  |  |
| SUMPM10 | Manage work activities and resources to meet BSE project requirements |  |  |  |
| SUMPM14 | Develop, test and agree BSE project designs |  |  |  |
| SUMPM15 | Commission BSE installations |  |  |  |
| SUMPM16 | Determine requirements for environmental technologies in BSE  |  |  |  |

**Section 3: ET Technology (mark X in Retain or Remove column)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Technology** | **Retain** | **Remove** | **Comment** |
| Air Source Heat Pumps |  |  |  |
| Biomass/Biomass Fuels (Liquid)  |  |  |  |
| Fuel Cell Technology |  |  |  |
| Grey Water |  |  |  |
| Ground Source Heat Pumps  |  |  |  |
| Mech. Heat Recovery Ventilation  |  |  |  |
| Micro Hydro Gen. Schemes |  |  |  |
| Micro Wind Energy |  |  |  |
| Photovoltaics for Microgeneration  |  |  |  |
| Rainwater Harvesting |  |  |  |
| Solar Water and Heating |  |  |  |
| Underfloor Heating Micro CHP |  |  |  |

**Section 4: Additional Feedback/Detail**

|  |  |  |
| --- | --- | --- |
| **Q** | **Question** | **Response** |
| 1 | What should be added to the list of NOS? |  |
| 2 | What should be removed for the list of NOS? |  |
| 3 | What should be added to the list of Technology? |  |
| 4 | What should the name of the NOS suite be? |  |
| 5 | Other comments/feedback? |  |

Many thanks for participating in this project. Your personal data will be destroyed at the end of the project.