



## National Certificate in Electricity Supply (Network Operator)

level of qualification: 4

credit total: 88

### **Purpose and content of the National Certificate**

#### **Purpose:**

This National Certificate covers the operation of network power system equipment including removing field network equipment from service for access to work, coordinating power system outages, and operating frequency injection equipment, along with other skills required by an Operator whose primary role is carrying out the operation and management of an electricity supply network.

#### **Content:**

#### **Compulsory unit standards**

##### **core electrical**

		level	credit
1206	Demonstrate knowledge of a.c. power and power factor	4	4

##### **core skills**

16283	Remove electricity supply field network equipment from service for access to work	4	8
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##### **power system management**

15568	Coordinate power system outages	5	10
15581	Operate frequency injection equipment	4	4
16275	Implement electricity supply network asset owner's load management policy	4	10
16276	Respond to electricity supply external system operations communications	4	5
16279	Monitor electricity supply power network system	4	10
16280	Compile and action switching plans to maintain electricity supply network security	4	9
16282	Respond to routine events and minor emergencies on the electricity supply power system	5	15
16285	Plan for scheduled work on electricity supply power system equipment	4	10
19480	Use advanced SCADA functions to manage the power system	5	3

#### **Optional standards**

##### **distribution networks**

10526	Operate ground and structure mounted electrical equipment associated with electric lines up to 66kV	3	4
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		level	credit
<b>power system management</b>			
16277	Evaluate faults on electricity supply network equipment (System Operation)	5	11
16278	Evaluate faults on electricity supply network plant and equipment	4	9