



Australian Government

**Assessment Requirements for UEPOPS141
Start up a heat recovery steam generator
unit**

Release: 1

Assessment Requirements for UEPOPS141 Start up a heat recovery steam generator unit

Modification History

Release 1. This is the first release of this unit of competency in the UEP Electricity Supply Industry – Generation Sector Training Package Release 2.0.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria on at least two separate occasions and include:

- applying work health and safety (WHS)/occupational health and safety (OHS) legislated requirements, including:
 - emergency procedures
 - risk control measures
 - safe working practices
- communicating with personnel
- identifying heat recovery steam generator (HRSG) plant status
- implementing regulations, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- interpreting manuals
- monitoring and operating HRSG plant and equipment
- organising resources
- planning and preparing HRSG plant and equipment for start and run-up operations
- recognising and responding to abnormal HRSG plant operating conditions
- starting, running-up and operating HRSG and associated plant and equipment
- testing HRSG plant operation using diagnostic and data analysis techniques and tools to determine faults
- using recording procedures to complete documentation
- utilising temperature and pressure raising techniques
- working with permit to work system.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria and include knowledge of:

- arrangements of power production plant
- control of heat transfer and rate of temperature rise during HRSG start-up
- HRSG plant and equipment, location and operating parameters

- manuals
- operational testing of HRSG plant
- permit to work system
- regulations, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- techniques HRSG plant and equipment operation
- temperature and pressure raising requirements
- WHS/OHS requirements, including:
 - emergency procedures
 - risk control measures
 - safe working practices and principles
- workplace policies and procedures
- workplace documentation.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or other simulations
- relevant and appropriate materials, tools, equipment and personal protective equipment (PPE) currently used in industry
- applicable documentation, including workplace procedures, equipment specifications, regulations, codes of practice and operation manuals.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=1715b9fa-e7bd-441c-bb8d-cf22c9c825a8>