Australian Government

Assessment Requirements for PPMPRS320 Solve systemic problems in the workplace

Release: 1

Assessment Requirements for PPMPRS320 Solve systemic problems in the workplace

Modification History

Release	Comment
1	Replaces equivalent unit FPPPRS320A Solve systemic problems in the workplace, which was first released with FPP10 Pulp and Paper Manufacturing Industry Training Package Version 1.0. This is the first release of this unit in the new standards format. Assessment requirements now specify the performance and knowledge evidence, as well as assessment conditions for this unit of competency. These sections simplify and replace components used in the previous unit format, including 'Required Skills and Knowledge, Evidence Guide and Range Statement'.

Performance Evidence

A person demonstrating competency in this unit must satisfy all of the elements, performance criteria and foundation skills of this unit, and must be able to provide evidence that they can:

- identify the equipment maintenance, product quality and process inconsistency problems in a pulp or paper mill for at least two of the following operations:
  - coating systems
  - handling and preparing primary resources
  - steam generation
  - electrical power generation
  - handling and preparing waste paper for pulp production
  - waste paper operations
  - pulping operations
  - chemical recovery operations
  - finishing and converting
  - stock preparation operations
  - wet end operations
  - dry end operations
  - water services
- identify the resources needed to address these problems including personnel, equipment, production process, materials or supplies or trouble shooting guides
- select and apply suitable problem solving methodologies from the following list, according to the extent of problems:
  - industry specific methodologies:

- - e-learning tool
  - lean
  - root cause analysis techniques
    - 5 whys
    - fish bone
    - sirf roundtable method
    - cause and effect diagrams
    - six sigma
    - Kepner - Tregoe
- identify the type and extent of the problem
- conduct an analysis and determine a solution
- develop and implement an action plan to solve problems in operations
- monitor and evaluate the effectiveness of the approach and the implementation of the action plan
- report using the required documentation on the solution to the problem.

Knowledge Evidence

A person competent in this unit must be able to demonstrate knowledge of:

- problem solving methodologies which can be applied to common systemic problems with equipment and product quality in a pulp or paper manufacturing facility
- documentation and procedures relevant to problem solving, including risk and hazard identification, work health and safety (WHS), quality, environmental (including relevant sustainability requirements and practices), isolation, housekeeping and standard operating procedures.
- system, processes and associated services sufficient for problem solving including:
  - plant layout
  - theory of operation
  - causes and effects of adjustments made to equipment and processes
  - relationships between system, processes and associated services
  - effects of process variables on production and quality
- planning procedures to predict possible solutions for problem solving
- monitoring and evaluation processes for problem solving techniques
- problem solving reporting requirements according to SOP.

Assessment Conditions

The following resources must be made available:

- access to the full range of equipment involved in integrated continuous manufacturing, in a pulp or paper manufacturing facility
- personal protective equipment required for working across all areas of a pulp and paper manufacturing facility

- maintenance tools and associated equipment
- workplace documentation and procedures required for solving systemic problems in a pulp and paper manufacturing plant
- relevant personnel for the purposes of communicating information

Competency is to be assessed in the workplace or in a productive environment that accurately reflects performance in a workplace.

Assessor requirements

Assessors must:

- hold the appropriate assessor competency standards as outlined in regulations; and
- be able to demonstrate vocational competencies at least to the level being assessed; and
- be able to demonstrate how they are continuing to develop their VET knowledge and skills as well as maintaining their industry currency and assessor competence.

Links

Companion Volume implementation guides are found in VETNet - https://vetnet.education.gov.au/Pages/TrainingPackages.aspx/Pages/Home.aspx