



**Australian Government**

# **RIIPRO302D Perform process control room operations**

**Release: 2**

## RIIPRO302D Perform process control room operations

### Modification History

| Release | Comment                                                                                                                                                                                                                                                                                                         |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1       | This unit replaces RIIPRO302A Perform process control room operations                                                                                                                                                                                                                                           |
| 2       | Required frequency and volume of evidence amended in Performance evidence.<br>Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm. |

### Application

This unit develops a participant's skills and knowledge required to perform process control room operations in Coal and Metalliferous mining and Extractive.

**This unit is appropriate for those working in operational roles**

No licensing, legislative or certification requirements apply to this unit at the time of publication

### Unit Sector

Coal mining

Extractive

Metalliferous mining

### Elements and Performance Criteria

|                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Plan and prepare for process control room operations | <p>1.1 Access, interpret and apply process control room operations documentation and ensure the work activity is compliant</p> <p>1.2 Obtain, read, interpret, clarify and confirm work requirements</p> <p>1.3 Identify and address potential risks, hazards and environmental issues, and implement control measures</p> <p>1.4 Select and wear correct personal protective equipment appropriate for work activities</p> <p>1.5 Establish and maintain communications with other personnel using approved communication methods</p> <p>1.6 Check maintenance and operating records and document</p> |
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|                                                            | <p>outstanding maintenance inspections and identified defects</p> <p>1.7 Obtain and interpret emergency procedures, and be prepared for fire/accident/emergency</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 2. Perform start-up operations                             | <p>2.1 Confirm plant readiness for operation</p> <p>2.2 Complete computer systems and equipment pre-start checks</p> <p>2.3 Carry out start-up checks and procedures according to plant configurations and system requirements</p> <p>2.4 Start-up individual plant and process and entire system</p> <p>2.5 Build production rate steadily with no surges and lulls</p> <p>2.6 Stabilise plant operation to meet process output and quality requirements</p>                                                                                                                                                                                                                                                           |
| 3. Monitor and manage operations                           | <p>3.1 Monitor and manage processing utilising appropriate indicators for safe and efficient operations</p> <p>3.2 Read and interpret data from equipment indicators, programmable logic and SCADA, and take action where required to maintain operations according to operating parameters</p> <p>3.3 Identify, manage and report faults to appropriate personnel in a timely manner</p> <p>3.4 Coordinate support personnel and ensure continuity of process</p> <p>3.5 Manage material flow within specified parameters</p> <p>3.6 Respond to alarms, investigate conditions, and take corrective actions</p> <p>3.7 Complete the work plan</p> <p>3.8 Maintain, process and pass on written records and reports</p> |
| 4. Conduct housekeeping activities                         | <p>4.1 Clear work area and dispose of or recycle materials</p> <p>4.2 Clean and maintain condition of equipment, ensure suitability for use, and address/report issues</p> <p>4.3 Manage/report hazards, and maintain a safe working environment</p> <p>4.4 Process written records</p>                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 5. Shutdown in sequence and/or isolate plant and equipment | <p>5.1 Shutdown/isolate plant and equipment based on process or safety requirements</p> <p>5.2 Perform post shutdown/isolation checks</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

## Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit. Further information is available in the Resources and Infrastructure Industry Training Package Companion Volume.

## Unit Mapping Information

RIIPRO302A Perform process control room operations

## Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>