



**Australian Government**

# **Assessment Requirements for RIIPGP203D Operate compressors**

**Release: 1**

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### **Modification History**

Not applicable.

## Performance Evidence

Evidence is required to be collected that demonstrates a candidate's competency in this unit. Evidence must be relevant to the roles within this sector's work operations and satisfy all of the requirements of the performance criteria of this unit and include evidence that the candidate:

- locates and applies applicable legislation, documentation, policies and procedures
- implements requirements, procedures and techniques for safe, effective compressor operations including:
  - identifying issues likely to impact on plant performance and take appropriate action
  - predicting impact of a change in one unit/area on other plant units/area and communicate this to relevant people
- demonstrates consistent timely completion of compressor operation safely, effectively and efficiently meet all of the required outcomes on a minimum of three (3) separate occasions including:
  - performing correct sequencing for starting up equipment
  - correctly operating and monitoring equipment including:
    - starting up compressors,
    - monitoring and controlling compressors,
    - changing compressor output,
    - maintaining plant effectiveness
  - test trips and alarms
  - prepare plant for maintenance/vessel entry
  - complete minor maintenance according to standard procedures
  - prepare plant for the introduction of gas and operation
  - performing checks and shutdown in sequence
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## Knowledge Evidence

The candidate must demonstrate knowledge in compressor operations through:

- apply legislative, organisation and site requirements and procedures for:
  - risk assessment and management
  - statutory compliance
  - work health and safety
- distinguishing between:
  - process gas
  - instrument
  - equipment (electrical/mechanical)
- maintaining compressors
- identifying causes of problems and isolate problems to item of equipment
- applying principles of compressor operation
- identifying the effects of temperature and compression ratio/the need for multi staging
- interpreting pressure/temperature relationships and effects on condensation (e.g. moisture and/or gas)
- applying control of output

- identifying and applying causes of and remedies for surging
- applying methods of resolving problem
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## **Assessment Conditions**

- An assessor of this unit must satisfy the requirements of the NVR/AQTF or their successors; and Industry regulations for certification and licensing; and,
- this unit must be assessed in the context of this sector's work environment; and,
- this unit must be assessed using Resources and Infrastructure Industry sector specific policies, procedures, processes and operational manuals; and,
- an assessor must demonstrate the skills and knowledge of this unit through five (5) years of current and continuous work with the Industry sector and must hold the TAE Assessor Skill Set or equivalent.
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## **Links**

SkillsDMC RII Companion Volumes - <http://www.skillsdmc.com.au/>