



Australian Government

Assessment Requirements for AURKTA002 Inspect, service and repair crop harvesting equipment

Release: 1

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Modification History

Release	Comment
Release 1	New unit of competency.

Performance Evidence

Before competency can be determined, individuals must demonstrate they can perform the following according to the standards defined in this unit's elements, performance criteria, range of conditions and foundation skills:

- inspect, service and repair two different crop harvesting equipment, which must include equipment that harvests one of the following crop types:
 - grain
 - sugar cane
 - cotton
 - rice
 - potatoes
 - vegetable
 - fruit.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to inspecting, servicing and repairing crop harvesting equipment, including procedures for:
 - isolating and stabilising equipment and machines
 - working with rotating shafts
- environmental requirements, including procedures for waste management, machine hygiene, dust and clean-up management
- operating principles of crop harvesting equipment, including:
 - threshing
 - air flow systems

- variable speed drives
- sheaves
- eccentric drives
- rotor separation systems
- application, purpose and operation of crop harvesting equipment, including:
 - cutting and feeding systems
 - threshing and separation systems
 - trash ejection
 - grain or crop handling
 - electronic monitoring systems
- inspection procedures for harvesting equipment, including:
 - component wear analysis
 - system operation analysis
 - electronic fault code interrogation
- service and repair procedures for harvesting equipment, including removing, replacing, repairing and adjusting equipment components
- post-repair testing procedures for harvesting equipment, including:
 - variable operating parameters
 - impact of environmental factors.

Assessment Conditions

Assessors must satisfy NVR/AQTF assessor requirements.

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

Assessment must include direct observation of tasks.

Where assessment of competency includes third-party evidence, individuals must provide evidence that links them to the crop harvesting equipment that they have serviced and repaired, e.g. repair orders.

Assessors must verify performance evidence through questioning on skills and knowledge to ensure correct interpretation and application.

The following resources must be made available:

- automotive repair workplace or simulated workplace
- workplace instructions
- manufacturer harvesting equipment specifications
- two different operational crop harvesting equipment requiring service and repair
- diagnostic equipment for crop harvesting equipment
- tools, equipment and materials appropriate for inspecting, servicing, repairing and adjusting crop harvesting equipment.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b4278d82-d487-4070-a8c4-78045ec695b1>

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