



Australian Government

**Assessment Requirements for AURHTR005
Diagnose and repair heavy commercial
trailer electronically controlled roll stability
systems**

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:

- diagnose and repair a fault in the electronically controlled roll stability systems of two different heavy commercial trailers.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements including procedures for:
 - diagnosing and repairing heavy trailer electronically controlled roll stability systems
 - using specialised tools and equipment
- application, purpose and operating principles of heavy commercial trailer electronically controlled roll stability systems and components, including:
 - roll stability control module
 - wheel speed sensor
 - yawl sensor
 - load sensor
 - electrical wiring and connector
- diagnostic testing procedures for heavy commercial trailer electronically controlled roll stability systems, including:
 - accessing and interpreting diagnostic trouble codes
 - analysing system operation using electrical test equipment, scan tools and other industry-relevant test equipment

- visual, aural and functional assessments, including component damage and wear
- repair procedures for heavy commercial trailer electronically controlled roll stability systems and their components, including:
 - roll stability control module
 - wheel speed sensor
 - yawl sensor
 - load sensor
 - electrical wiring and connector
- post-repair testing procedures for heavy trailer electronically controlled roll stability systems.

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 trailer electronically controlled roll stability systems that they have worked on, 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 heavy trailer roll stability specifications
- two different heavy commercial trailers with faults in their electronically controlled roll stability systems
- diagnostic equipment for heavy trailer electronically controlled roll stability systems
- tools, equipment and materials appropriate for repairing and adjusting heavy trailer electronically controlled roll stability systems.

Links

Companion Volume implementation guides are found in VETNet -

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

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