



Australian Government

**Assessment Requirements for AURHTR105
Diagnose and repair heavy commercial
trailer electronically controlled roll stability
systems**

Release: 1

Assessment Requirements for AURHTR105 Diagnose and repair heavy commercial trailer electronically controlled roll stability systems

Modification History

Release	Comments
Release 1	This version first released with AUR Automotive Retail, Service and Repair Training Package Version 6.0

Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

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

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- methods to locate and interpret information required to diagnose and repair heavy commercial trailer electronically controlled roll stability systems including:
 - information provided by customers and supervisors
 - manufacturer specifications and procedures or equivalent documentation
- workplace procedures required to diagnose and repair heavy commercial trailer electronically controlled roll stability systems, including:
 - establishing serviceability of tools and equipment
 - documentation procedures
 - housekeeping procedures, including:
 - examination of tools and equipment
 - storage of equipment
 - identification, tagging and isolation of faulty equipment
 - disposal of excess materials
 - recycling procedures
- workplace health and safety (WHS) requirements relating to diagnosing and repairing heavy commercial trailer electronically controlled roll stability systems, including procedures for using specialised tools and equipment

- environmental requirements relating to diagnosing and repairing heavy commercial trailer electronically controlled roll stability systems
- purpose and operation 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 another 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, including procedures for:
 - roll stability control module
 - wheel speed sensor
 - yawl sensor
 - load sensor
 - electrical wiring and connector
- post-repair testing procedures for heavy commercial trailer electronically controlled roll stability systems.

Assessment Conditions

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.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volume Implementation Guide is found on VETNet -

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