



Australian Government

Assessment Requirements for AURMTS001 Construct hose and pipe assemblies for competition vehicles

Release: 1

Assessment Requirements for AURMTS001 Construct hose and pipe assemblies for competition vehicles

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:

- construct and test the following competition vehicle hose and pipe assemblies:
 - two different hose assemblies
 - two different pipe assemblies.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to constructing hose and pipe assemblies for competition vehicles, including procedures for safely use:
 - hose and pipe cutting equipment or machinery
 - equipment for joining hoses and pipes to connectors
- types of and procedures for selecting hoses, pipes and fittings, including:
 - sizing of hoses, pipes and fittings, including Army-Navy (AN) thread dash number, Society of Automotive Engineers (SAE) and National Pipe Thread (NPT)
 - swaged and reusable fittings
 - hose and pipe material and construction
 - compatibility of hose and pipe material with fuel, lubricants, coolants, chemicals and heat conditions
- construction procedures for hose and pipe assemblies, including:
 - methods for locating and determining the layout of hose and pipe assemblies
 - hose and pipe assembly measurement and cutting procedures
 - hose and pipe bending and flaring procedures

- hose and pipe assembly procedures
- protection methods for hose and pipe assemblies
- post-construction testing procedures, including hose and pipe assembly flushing and testing procedures
- storage and maintenance procedures for hose and pipe assemblies.

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 hose and pipe assemblies that they have constructed, e.g. work order.

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

The following resources must be made available:

- motor sport workplace or simulated workplace
- instructions detailing customer requirements
- hose and pipe material required to construct two different hose assemblies and two different pipe assemblies, including hose and pipe fittings
- hose and pipe bending equipment
- hose and pipe assembly cleaning and pressure-testing equipment
- tools and equipment for hose and pipe construction.

Links

Companion Volume implementation guides are found in VETNet -

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

Companion Volume implementation guides are found in VETNet -

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