



**Australian Government**

**Assessment Requirements for MEA325  
Weigh aircraft and perform aircraft weight  
and balance calculations as a result of  
modifications**

**Release: 1**

# **Assessment Requirements for MEA325 Weigh aircraft and perform aircraft weight and balance calculations as a result of modifications**

## **Modification History**

Release 1 - New unit of competency

## **Performance Evidence**

Evidence required to demonstrate competency in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria under the specified conditions of assessment, and must include:

- applying relevant WHS procedures
- configuring aircraft for weighing
- weighing aircraft
- using weighing results to calculate centre of gravity.

The underlying skills inherent in this unit should be transferable across a range of aircraft types. Ability to interpret the instructions for configuring and weighing aircraft is critical.

Evidence of transferability of skills and knowledge related to weighing of aircraft and calculation of centre of gravity is essential.

## **Knowledge Evidence**

Evidence required to demonstrate competency in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria and include knowledge of:

- types of weighing equipment used to weigh aircraft and associated safety precautions:
  - mechanical platform scales
  - electronic platform scales
  - electronic load pots
- methods used to level aircraft for weighing
- the importance of correctly configuring aircraft for weighing
- mathematical formulae used to calculate centre of gravity.

## **Assessment Conditions**

- Competency may be assessed in the workplace or in the training environment. The aircraft weighing work plan should take account of applicable safety and quality requirements in accordance with the industry and regulatory standards, especially in relation to aircraft jacking and levelling.
- The following conditions of assessment represent the requirements of CASA and must be rigorously observed.

- A person cannot be assessed as competent until it can be demonstrated to the satisfaction of the workplace assessor that the relevant elements and performance criteria of the unit of competency are being achieved under supervision without intervention. This shall be established via simulated activities at the CASR Part 147 Maintenance Training Organisation and performance during observed workplace activities.
- The Assessor must meet the criteria specified in the CASR Part 147 Manual of Standards.

## **Links**

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=ce216c9c-04d5-4b3b-9bcf-4e81d0950371>