

Title	Apply troubleshooting techniques to locate mechanical defects in aeronautical engineering		
Level	5	Credits	10

Purpose	People credited with this unit standard are able to apply troubleshooting techniques to locate mechanical defects.
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Classification	Aeronautical Engineering > Aeronautical Engineering - Core
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Available grade	Achieved
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Guidance Information

- 1 All tasks must be carried out in accordance with enterprise procedures.
- 2 Definition
Enterprise procedures – procedures used by the organisation carrying out the work and applicable to the tasks being carried out. Examples are – standard operating procedures, safety procedures, equipment operating procedures, codes of practice, quality management practices and standards, procedures to comply with legislative and local body requirements.
- 3 The scope of the system that this standard relates to is described in ATA iSpec 2200, chapters 7, 12, 21, 27, 28, 29, 30, 32, 38, 56, and 75.

Outcomes and performance criteria

Outcome 1

Apply troubleshooting techniques to locate mechanical defects in aeronautical engineering.

Performance criteria

- 1.1 Defects are located using troubleshooting techniques.

Range	troubleshooting techniques may include but are not limited to – visual inspections, half-split rule, troubleshooting charts, interpretation of component and/or system circuit diagrams.
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- 1.2 Defects are located and reported using knowledge of mechanical equipment, system and component operation.

Range	may include but is not limited to – leaks, chafing, dents, gouges, binding, restrictions, obstructions.
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1.3 Defects are assessed to determine action.

Range may include but is not limited to – repair, replace, scrap.

Planned review date	31 December 2027
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	19 September 2013	31 December 2021
Review	2	26 March 2020	N/A
Rollover and Revision	3	26 April 2024	N/A

Consent and Moderation Requirements (CMR) reference	0028
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact Ringa Hora Services Workforce Development Council qualifications@ringahora.nz if you wish to suggest changes to the content of this unit standard.