

## Field      Engineering and Technology

### Review of *Aeronautical Engineering* unit standards

Subfield	Domain	ID
Aeronautical Engineering	Aeronautical Storekeeping	15885-15889
	Aircraft Furnishings and Equipment	4002-4011
	Aircraft Mechanical Repair and Overhaul	3931-3942, 7242, 30696, 30697

ServiceIQ has completed the review of the unit standards listed above.

**Date new versions published**

**July 2020**

**Planned review date**

**December 2025**

### Summary

This is the ninth set of a wider review of all unit standards in the *Aeronautical Engineering* subfield. The review was undertaken in consultation with the Aeronautical Engineering industry which included Air New Zealand, Royal New Zealand Air Force, Air New Zealand Engine Workplace, and Nelson Marlborough Institute of Technology, to ensure the standards' relevance, as the technology associated with aircraft has become more sophisticated. The consultation for the review took place in May 2019.

The initial meeting was held at ServiceIQ in Wellington with industry around a table. The standards were taken back to the workplace and suggestions were made to ServiceIQ regarding changes to be incorporated. The unit standards were checked, and content confirmed that these standards reflect the needs of the aeronautical engineering industry and are in line with international regulatory requirements.

### Main changes

- Unit standards were transferred to the current template and terminology was updated accordingly.
- Outcomes, performance criteria, range statements, and guidance information were updated to reflect the needs of the aeronautical engineering industry, and in line with international regulatory requirements.
- Stems of some of range statements were amended.
- Titles for some standards were amended to better reflect the content.
- Credits for unit standard 3931 were adjusted from 25 to 15 to align with other unit standards with same skill sets.
- Unit standards 3934 and 30697 were designated to expire as they contain skills and knowledge covered by other unit standards.

**Category D unit standards will expire at the end of December 2021**

**The last date for assessment of superseded versions of Category B unit standards is December 2022**

**Detailed list of unit standards – classification, title, level, and credits**

All changes are in **bold**.

<b>Key to review category</b>	
<b>A</b>	Dates changed, but no other changes are made - the new version of the standard carries the same ID and a new version number
<b>B</b>	Changes made, but the overall outcome remains the same - the new version of the standard carries the same ID and a new version number
<b>C</b>	Major changes that necessitate the registration of a replacement standard with a new ID
<b>D</b>	Standard will expire and not be replaced

Engineering and Technology > Aeronautical Engineering > Aeronautical Storekeeping

<b>ID</b>	<b>Title</b>	<b>Level</b>	<b>Credit</b>	<b>Review Category</b>
15885	Receive aviation parts and/or materials from suppliers <b>Receive aviation parts or materials from suppliers</b>	3	10	B
15886	Dispatch aviation parts and/or materials <b>Dispatch aviation parts or materials</b>	3	6	B
15887	Store and pick aviation parts and/or materials <b>Store and pick aviation parts or materials</b>	3	10	B
15888	Carry out special handling, storage and disposal procedures for aviation parts and/or materials <b>Carry out special handling, storage and disposal procedures for aviation parts or materials</b>	3	10	B
15889	Purchase aviation parts and/or materials and/or services <b>Purchase aviation parts, materials or services</b>	3	10	B

Engineering and Technology > Aeronautical Engineering > Aircraft Furnishings and Equipment

<b>ID</b>	<b>Title</b>	<b>Level</b>	<b>Credit</b>	<b>Review Category</b>
4002	Repair aircraft incubators	4	6	B
4003	Fabricate and/or repair aircraft carpets <b>Fabricate or repair aircraft carpets</b>	4	8	B
4004	Maintain and/or repair aircrew flying clothing and associated equipment <b>Maintain or repair aircrew flying clothing and associated equipment</b>	4	15	B
4005	Maintain inflatable aeronautical safety equipment	4	15	B
4006	Maintain and/or repair parachutes and associated equipment <b>Maintain or repair parachute assemblies and associated equipment</b>	4	15	B
4007	Maintain aircraft cabin and crew seats	4	8	B
4008	Fabricate and/or repair aircraft medical stretchers <b>Fabricate or repair aircraft medical stretchers</b>	4	4	B
4009	Apply trim to aircraft interiors <b>Apply trim to aircraft interior panels</b>	4	4	B
4010	Fabricate and/or repair fabric items for aircraft interiors <b>Fabricate or repair fabric items for aircraft interiors</b>	4	15	B
4011	Fabricate and/or repair aircraft seat belts and harness assemblies <b>Fabricate or repair aircraft seat belts and harness assemblies</b>	4	8	B

Engineering and Technology > Aeronautical Engineering > Aircraft Mechanical Repair and Overhaul

ID	Title	Level	Credit	Review Category
3931	Repair and/or overhaul aircraft oxygen system components <b>Repair or overhaul aircraft oxygen system components</b>	4	25 <b>15</b>	B
3932	Repair and/or overhaul aircraft brake units <b>Repair or overhaul aircraft brake units</b>	4	12	B
3933	Repair and/or overhaul aircraft hydraulic system components <b>Repair or overhaul aircraft hydraulic system components</b>	4	15	B
3934	Repair and/or overhaul aircraft liquid oxygen system components	4	25	D
3935	Repair and/or overhaul aircraft mechanical ice and rain protection system components <b>Repair or overhaul aircraft mechanical ice and rain protection system components</b>	4	10	B
3936	Repair and/or overhaul aircraft wheel assemblies <b>Repair or overhaul aircraft wheel assemblies</b>	4	8	B
3937	Repair and/or overhaul aircraft mechanical air conditioning and pressurisation components <b>Repair or overhaul aircraft mechanical air conditioning and pressurisation components</b>	4	15	B
3938	Repair and/or overhaul aircraft fuel distribution system components <b>Repair or overhaul aircraft fuel distribution system components</b>	4	15	B
3939	Repair and/or overhaul aircraft landing gear system components <b>Repair or overhaul aircraft landing gear system components</b>	4	15	B
3940	Repair and/or overhaul aircraft pneumatic power supply system components <b>Repair or overhaul aircraft pneumatic power supply system components</b>	4	15	B
3941	Repair and/or overhaul aircraft water and waste system components <b>Repair or overhaul aircraft water and waste system components</b>	4	10	B
3942	Repair aircraft flexible fuel tank components	4	10	B
7242	Demonstrate knowledge of aircraft mechanical component repair and overhaul practices	4	10	B
30696	Repair and/or overhaul aircraft fire extinguishers <b>Repair or overhaul aircraft fire extinguisher components</b>	4	5	B
30697	Repair and/or overhaul aircraft pressure vessels and regulators	4	15	D