

**Field**      **Engineering and Technology**

**Revision and registration of *Aerospace Engineering* unit standards**

<b>Subfield</b>	<b>Domain</b>	<b>ID</b>
Aeronautical Engineering	Aerospace Engineering	32128, 32129, 32132, 32134

Ringa Hora Services Workforce Development Council has completed the revision of the unit standards listed above.

**Date new versions published**

**March 2023**

**Planned review date**

**December 2025**

**Summary**

The above unit standards were revised to adjust the credit values to better align with notional learning and assessment time required because of feedback from industry. These changes will ensure that the standards are more flexible when more launch providers enter the market. Furthermore, nine new standards were written to align with the New Zealand Certificate in Aerospace Engineering (Level 4) [Ref: 4741].

**Main changes**

- Unit standard 32128, the credit value was increased from 10 to 20.
- Unit standard 32129, the credit value was decreased from 20 to 10.
- Unit standard 32132, the credit value was increased from 15 to 30 and the title was changed to better align with the aerospace environment.
- Unit standard 32134, the credit value was increased from 15 to 30.
- Nine new unit standards were written.
- The standard setting body details were updated to Ringa Hora Services Workforce Development Council.

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

All changes are in **bold**.

**New unit standards**

Engineering and Technology > Aeronautical Engineering > Aerospace Engineering

<b>ID</b>	<b>Title</b>	<b>Level</b>	<b>Credit</b>	<b>Review Category</b>
<b>33168</b>	<b>Assemble aerospace avionics components</b>	<b>3</b>	<b>30</b>	<b>New</b>
<b>33169</b>	<b>Demonstrate knowledge of working within an aerospace engineering workplace</b>	<b>3</b>	<b>10</b>	<b>New</b>
<b>33170</b>	<b>Fabricate aerospace wiring harness assemblies</b>	<b>4</b>	<b>20</b>	<b>New</b>
<b>33171</b>	<b>Visually inspect aerospace avionic printed circuit boards</b>	<b>3</b>	<b>15</b>	<b>New</b>
<b>33172</b>	<b>Operate a thermal chamber for aerospace testing</b>	<b>4</b>	<b>20</b>	<b>New</b>
<b>33174</b>	<b>Operate a vacuum chamber for aerospace testing</b>	<b>4</b>	<b>20</b>	<b>New</b>
<b>33175</b>	<b>Operate a vibration table for aerospace testing</b>	<b>4</b>	<b>20</b>	<b>New</b>
<b>33176</b>	<b>Perform hand soldering in aerospace avionics manufacturing</b>	<b>3</b>	<b>25</b>	<b>New</b>
<b>33177</b>	<b>Test integrated aerospace systems</b>	<b>5</b>	<b>40</b>	<b>New</b>

**Revised unit standards**

Engineering and Technology &gt; Aeronautical Engineering &gt; Aerospace Engineering

<b>ID</b>	<b>Title</b>	<b>Level</b>	<b>Credit</b>
32128	Install launch vehicle components and systems	4	10 <b>20</b>
32129	Liquid oxygen (LOX) clean aerospace components	4	20 <b>10</b>
32132	Test launch vehicle components <b>Test aerospace components</b>	4	15 <b>30</b>
32134	Disassemble and assemble launch vehicle propulsion systems	4	15 <b>30</b>