

Field **Service Sector**

Review of *Aircraft Operation* unit standards

Subfield	Domain	ID
Aviation	Aircraft Operation	423, 23424-23435, 26176-26218, 26804-26821, 27183-27185, 27253, 27259, 27260, 27390, 27391, 27677-27681, 27727-27729, 28310

Ringa Hora Services Workforce Development Council (WDC) has completed the review of the unit standards listed above.

Date new versions published

September 2023

Planned review date

December 2028

Summary

Ringa Hora Services WDC reviewed 91 unit standards within the *Aircraft Operation* domain with the proposal to expire most of the unit standards, for those which align directly to a CAA syllabus and are assessed through either an approved CAA examination or CAA flight test. The concept was for flight training providers to move their programmes to modules directly against the CAA syllabus.

Consultation was carried out between December 2022 and May 2023 with subject matter experts from New Zealand's aviation industry association, aviation regulator, flight training providers, all programme owners, and consent to assess holders, by email, online, and in-person, requesting feedback on the expiry proposal. The proposal was generally supported, however those unit standards which do not align directly to a CAA syllabus or flight test should be retained, along with unit standards used in Gateway and STAR school programmes.

Changes were made where required and promoted via the Ringa Hora website.

Main changes

- Purpose statements, guidance information, outcomes, performance criteria, and range statements were amended where applicable to ensure they are accurate and fit for purpose, reflect the standard content, and to ensure clarity for users in line with international regulatory requirements.
- Unit standard 423 range statements for PC 1.2 and 2.2 were updated to include more information.
- Titles of unit standards 26197, 26201, and 26202 were updated to better reflect the outcomes of the standards.
- Unit standard 26202 had an error where the content replicated unit standard 26201. All content of unit standard 26202 was updated to correct this error.
- 64 unit standards were set to expire without replacement as they are no longer required.

Category D unit standards will expire at the end of December 2027

The last date for assessment of superseded versions of Category B unit standards is December 2027

Impact on Consent and Moderation Requirements (CMR)

Category B standards were moved from CMR 0169 to CMR 0028.

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

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

Service Sector > Aviation > Aircraft Operation

ID	Title	Level	Credit	Review Category
423	Work with helicopters	3	3	B
23424	Demonstrate knowledge and use of flight radiotelephony for aircraft operations	3	3	B
23425	Demonstrate knowledge of human factors for private aircraft operations	3	5	B
23426	Demonstrate knowledge of air navigation and flight planning for private aircraft operations	3	5	B
23427	Demonstrate knowledge of air law for private aircraft operations	3	5	B
23428	Demonstrate knowledge of meteorology for private aircraft operations	3	5	B
23429	Demonstrate flying skills for a private pilot licence (aeroplane)	4	10	B
23430	Demonstrate flying skills for a private pilot licence (rotary)	4	10	B
23431	Demonstrate aircraft technical knowledge and principles of flight for private aircraft operations	3	10	B
23432	Demonstrate helicopter technical knowledge and principles of flight for private helicopter operations	3	10	B
23433	Demonstrate flying skills to enable first solo flight	4	4	B
23434	Demonstrate instrument flying skills for a private pilot licence	4	2	B
23435	Demonstrate cross-country navigation skills for a private pilot licence	4	3	B
26176	Demonstrate knowledge of safety management systems for an aviation environment	5	8	B
26177	Demonstrate knowledge of air operations for commercial operations in small aircraft and helicopters	5	8	B
26178	Demonstrate cross-country navigation skills for a commercial pilot licence (aeroplane)	5	15	D
26179	Demonstrate knowledge of, and skills for, mountain flying for a commercial pilot licence (aeroplane)	5	5	D
26180	Demonstrate technical knowledge of an aeroplane exceeding 5700kg MCTOW for a type rating	5	5	D
26181	Demonstrate basic knowledge of turbine engines in accordance with Subject No 64	5	8	D
26182	Demonstrate type rating competency for an aeroplane exceeding 5700kg MCTOW	5	5	D
26183	Demonstrate type rating competency for an aeroplane not exceeding 5700 kg MCTOW	5	5	D
26184	Demonstrate knowledge of, and skills for, winter flying	5	5	B
26185	Demonstrate flying skills for a commercial pilot licence (helicopter)	5	10	D

ID	Title	Level	Credit	Review Category
26186	Demonstrate knowledge of helicopter principles of flight and performance for commercial aircraft operations	5	15	D
26187	Demonstrate general helicopter technical knowledge for commercial aircraft operations	5	15	D
26188	Demonstrate type rating competency for single engine helicopters	5	5	D
26189	Demonstrate type rating competency for multi-engine helicopters	5	5	D
26190	Demonstrate knowledge of, and competencies for, mountain flying for a commercial pilot licence (helicopter)	5	8	D
26191	Demonstrate cross-country navigation skills (day) for a commercial pilot licence (helicopter)	5	10	D
26192	Demonstrate flying skills for a commercial pilot licence (glider)	5	8	D
26193	Demonstrate knowledge of glider principles of flight and operation for commercial aircraft operations	5	5	D
26194	Demonstrate general aircraft technical knowledge for glider operations	5	5	D
26195	Demonstrate flying skills for a commercial pilot licence (balloon)	5	8	D
26196	Demonstrate technical knowledge of balloons and aerostatics	5	5	D
26197	Describe and use a Global Positioning System (GPS) for a specified VFR aviation activity Describe and use a Global Positioning System (GPS) for a specified Visual Flight Rules (VFR) aviation activity	3	3	B
26198	Demonstrate aviation-specific oral English language proficiency	4	2	B
26199	Demonstrate knowledge of, and skills for, night flying for a private pilot licence	4	2	B
26200	Demonstrate flying skills for the carriage of sling loads for a commercial pilot licence (helicopter)	5	6	D
26201	Demonstrate knowledge of survival skills for a pilot Describe survival skills for a pilot	2	2	B
26202	Demonstrate knowledge of aviation technology Describe aviation technology	2	2	B
26203	Demonstrate knowledge of air law for commercial aircraft operations	5	8	D
26204	Demonstrate knowledge of air navigation and flight planning for commercial aircraft operations	5	15	D
26205	Demonstrate knowledge of human factors for commercial aircraft operations	5	8	D
26206	Demonstrate knowledge of meteorology for commercial aircraft operations	5	15	D
26207	Demonstrate flying skills for a commercial pilot licence (aeroplane)	5	10	D
26208	Demonstrate knowledge of aeroplane principles of flight and performance for commercial aeroplane operations	5	15	D
26209	Demonstrate general aircraft technical knowledge for a commercial pilot licence (aeroplane)	5	15	D
26210	Demonstrate competence for GNSS flight under instrument flight rules (IFR)	5	5	D

ID	Title	Level	Credit	Review Category
26211	Demonstrate competence for ILS flight approach under instrument flight rules (IFR)	5	3	D
26212	Demonstrate competence for a Category B flight instructor rating	6	10	D
26213	Demonstrate competence for night flight instruction	6	8	D
26214	Demonstrate competence for aerobatic flight instruction	6	10	D
26215	Demonstrate competence for spinning flight instruction	6	5	D
26216	Demonstrate competence for multi-engine flight instruction	6	8	D
26217	Demonstrate competence for Category C flight instructor rating	6	30	D
26218	Demonstrate knowledge of flight instructional techniques	5	8	D
26804	Demonstrate knowledge of meteorology for an airline transport pilot licence	6	10	D
26805	Demonstrate knowledge of advanced aerodynamics, performance and systems knowledge (aeroplane)	6	15	D
26806	Demonstrate knowledge of air law for instrument flight	5	8	D
26807	Demonstrate knowledge of air law for an airline transport pilot licence (aeroplane)	6	8	D
26808	Demonstrate knowledge of navigation and flight planning for an instrument rating	5	8	D
26809	Demonstrate knowledge of flight navigation general (aeroplane and helicopter) for an airline transport pilot licence	6	10	D
26810	Demonstrate knowledge of flight planning for an airline transport pilot licence (aeroplane)	6	15	D
26811	Demonstrate knowledge of instruments and navigation aids for an instrument rating	5	15	D
26812	Demonstrate knowledge of instruments and navigation aids for an airline transport pilot licence (aeroplane)	6	10	D
26813	Demonstrate mastery for a Category A flight instructor rating (aeroplane and helicopter)	6	20	D
26814	Demonstrate flying skills for an airline transport pilot licence (aeroplane)	6	35	D
26815	Demonstrate flying skills for an instrument rating in multi-engine aircraft	6	10	D
26816	Demonstrate flying skills for an instrument rating in single-engine aircraft	6	10	D
26817	Demonstrate multi-engine flight instruction for a Category A, B or C flight instructor rating (aeroplane and helicopter)	6	8	D
26818	Demonstrate knowledge of air law for an airline transport pilot licence (helicopter)	6	8	D
26819	Demonstrate knowledge of flight planning for an airline transport pilot licence (helicopter)	6	6	D
26820	Demonstrate knowledge of human factors for an airline transport pilot licence	6	10	D
26821	Demonstrate knowledge of aerodynamics and aircraft systems for an airline transport pilot licence (helicopter)	6	8	D
27183	Fly an aeroplane as a pilot-in-command to show preparedness for a commercial pilot flight test	5	30	D
27184	Fly a helicopter as a pilot-in-command to show preparedness for a commercial pilot licence flight test	5	25	D

ID	Title	Level	Credit	Review Category
27185	Demonstrate night flying to meet the commercial pilot test (helicopter) standard	5	5	D
27253	Demonstrate night flying as a pilot-in-command to show preparedness for a commercial pilot test (aeroplane)	5	5	D
27259	Demonstrate knowledge and readiness for airline multi-crew flying operations	6	35	B
27260	Demonstrate knowledge of helicopter performance and loading for an airline transport pilot licence (helicopter)	6	5	D
27390	Fly an aeroplane as pilot-in-command to show preparedness for a Category C flight instructor rating	6	45	D
27391	Fly a helicopter as pilot-in-command to show preparedness for a Category C flight instructor rating	6	45	D
27677	Demonstrate competence for aerobatic flight	5	8	D
27678	Operate a helicopter with a fire bucket	5	4	B
27679	Fly a helicopter for frost protection operations	5	6	B
27680	Demonstrate advanced (long-line) sling-load helicopter operations using vertical reference procedures	5	8	B
27681	Demonstrate helicopter trolley take-off and landing	5	3	B
27727	Demonstrate knowledge of meteorological effects on UAS (uninhabited aerial systems) and UAV operations	3	1	D
27728	Demonstrate knowledge of Civil Aviation Authority regulations for UAS (uninhabited aerial systems)	3	2	D
27729	Demonstrate knowledge of inertial systems, GPS, and UAS (uninhabited aerial system) digital mapping for UAV operations	3	2	D
28310	Carry out aircraft underwater escape and survival	4	3	B