

Field Service Sector**Review of *Aviation* unit standards**

Subfield	Domain	ID
Aviation	Aircraft Operation	16330, 23424-23435, 26176-26218, 26804-26821, 26833-26838, 27183-27185, 27253, 27259, 27260, 27390, 27391, 27677-27681

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

Date new versions published

October 2016

Planned review date

December 2021

Summary

This review was undertaken as part of the review of standards in the *Aircraft Operation* domain. Extensive consultation took place with a very legislative-ruled industry. CAA legislation was updated as were levels and credits to reflect responsibilities and risks.

Main changes

- All explanatory notes have been updated to reflect current legislation requirements.
- Credits for standards 23429, 23430, 26178, 26180, 26182, 26184, 26190, 26200, 26205, 26217, 26218, 26805, 26810, 26812, 26817, 26838, and 27183 were raised to better reflect required to complete.
- Credits for standards 26820 and 27391 were lowered to better reflect time required for completion.
- The levels for standards 26177, 26180, 26181, 26192-26196, 26198, 26200, 26218, 26804, 26809, 26815, 26816, and 26833 were increased due to better reflect the complexity of skills in the standards.
- The levels for standards 26814 and 26834 were lowered to better reflect the complexity of skills in the standards.
- The titles for standards 26177, 26190, 26200, 26208, 26210, 26211, 26817, and 27185 were changed to better reflect the content.
- Standard 16330 was set to expire with no replacement due to lack of usage.

The Category D unit standard will expire at the end of December 2017

The last date for assessment of superseded versions of Category B unit standards is December 2018

Impact on existing organisations with consent to assess

Current consent for			Consent extended to		
Nature of consent	Classification or ID	Level	Nature of consent	Classification or ID	Level
Domain	Aircraft Operation	4	Standards	26176, 26177, 26180, 26181, 26192, 26193, 26194, 26195, 26196, 26200, 26218	5
		5	Standards	26804, 26809, 26815, 26816	6

Impact on registered qualifications

Key to type of impact	
Affected	The qualification lists a reviewed classification (domain or subfield) in an elective set The qualification lists a standard that has changes to level or credits The qualification lists a C or D category standard
Not materially affected	The qualification lists a standard that has a new title The qualification lists a standard that has a new classification

The following ServiceIQ qualifications are impacted by the outcome of this review and will be updated when they are reviewed in 2016. The standards that generated the status *Affected* are listed in below.

Ref	Qualification Title	Classification or ID
1706	New Zealand Diploma in Aviation (Aeroplane and Helicopter) (with strands in Agriculture, and General Aviation)	26205, 26208
1707	New Zealand Diploma in Aviation (Aeroplane and Helicopter) (with strands in Airline Preparation, and Flight Instruction)	26181, 26205, 26208, 26804, 26805, 26809, 26812, 26820

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

All changes are in **bold**.

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
16330	Demonstrate knowledge and skills for type rating for gas turbine aircraft	4	6	D
23424	Demonstrate knowledge and use of flight radiotelephony for private aircraft operations Demonstrate knowledge and use of flight radiotelephony for aircraft operations	3	3	B

ID	Title	Level	Credit	Review Category
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	6 10	B
23430	Demonstrate flying skills for a private pilot licence (rotary)	4	6 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	4 5	8	B
26177	Demonstrate knowledge of air operations requirements for small aeroplanes and helicopters Demonstrate knowledge of air operations for commercial operations in small aircraft and helicopters	4 5	8	B
26178	Demonstrate cross-country navigation skills for a commercial pilot licence (aeroplane)	5	12 15	B
26179	Demonstrate knowledge of, and skills for, mountain flying for a commercial pilot licence (aeroplane)	5	5	B
26180	Demonstrate technical knowledge of an aeroplane exceeding 5700kg MCTOW for a type rating	4 5	4 5	B
26181	Demonstrate basic knowledge of turbine engines in accordance with Subject No 64	4 5	8	B
26182	Demonstrate type rating competency for an aeroplane exceeding 5700kg MCTOW	5	6 5	B
26183	Demonstrate type rating competency for an aeroplane not exceeding 5700 kg MCTOW	5	5	B
26184	Demonstrate knowledge of, and skills for, winter flying	5	6 5	B
26185	Demonstrate flying skills for a commercial pilot licence (helicopter)	5	10	B
26186	Demonstrate knowledge of helicopter principles of flight and performance for commercial aircraft operations	5	15	B
26187	Demonstrate general helicopter technical knowledge for commercial aircraft operations	5	15	B

ID	Title	Level	Credit	Review Category
26188	Demonstrate type rating competency for single engine helicopters	5	5	B
26189	Demonstrate type rating competency for multi-engine helicopters	5	5	B
26190	Demonstrate knowledge of, and skills for, mountain flying for a commercial pilot licence (helicopter) Demonstrate knowledge of, and competencies for, mountain flying for a commercial pilot licence (helicopter)	5	5 8	B
26191	Demonstrate cross-country navigation skills (day) for a commercial pilot licence (helicopter)	5	10	B
26192	Demonstrate flying skills for a commercial pilot licence (glider)	4 5	8	B
26193	Demonstrate knowledge of glider principles of flight and operation for commercial aircraft operations	4 5	5	B
26194	Demonstrate general aircraft technical knowledge for glider operations	4 5	5	B
26195	Demonstrate flying skills for a commercial pilot licence (balloon)	4 5	8	B
26196	Demonstrate technical knowledge of balloons and aerostatics	4 5	5	B
26197	Describe and use a Global Positioning System (GPS) for a specified VFR aviation activity	3	3	B
26198	Demonstrate aviation-specific oral English language proficiency	2 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 private pilot licence (helicopter) Demonstrate flying skills for the carriage of sling loads for a commercial pilot licence (helicopter)	3 5	2 6	B
26201	Demonstrate knowledge of survival skills for a pilot	2	2	B
26202	Demonstrate knowledge of aviation technology	2	2	B
26203	Demonstrate knowledge of air law for commercial aircraft operations	5	8	B
26204	Demonstrate knowledge of air navigation and flight planning for commercial aircraft operations	5	15	B
26205	Demonstrate knowledge of human factors for commercial aircraft operations	5	7 8	B
26206	Demonstrate knowledge of meteorology for commercial aircraft operations	5	15	B
26207	Demonstrate flying skills for a commercial pilot licence (aeroplane)	5	10	B

ID	Title	Level	Credit	Review Category
26208	Demonstrate knowledge of aircraft principles of flight and performance for commercial aircraft operations Demonstrate knowledge of aeroplane principles of flight and performance for commercial aeroplane operations	5	15	B
26209	Demonstrate general aircraft technical knowledge for a commercial pilot licence (aeroplane)	5	15	B
26210	Demonstrate competence for GPS flight approach Demonstrate competence for GNSS flight under instrument flight rules (IFR)	5	5	B
26211	Demonstrate competence for ILS flight approach Demonstrate competence for ILS flight approach under instrument flight rules (IFR)	5	3	B
26212	Demonstrate competence for a Category B flight instructor rating	6	10	B
26213	Demonstrate competence for night flight instruction	6	8	B
26214	Demonstrate competence for aerobatic flight instruction	6	10	B
26215	Demonstrate competence for spinning flight instruction	6	5	B
26216	Demonstrate competence for multi-engine flight instruction	6	8	B
26217	Demonstrate competence for Category C flight instructor rating	6	16 30	B
26218	Demonstrate knowledge of flight instructional techniques	4 5	5 8	B
26804	Demonstrate knowledge of meteorology for an airline transport pilot licence	5 6	10	B
26805	Demonstrate knowledge of advanced aerodynamics, performance and systems knowledge (aeroplane)	6	10 15	B
26806	Demonstrate knowledge of air law for instrument flight	5	8	B
26807	Demonstrate knowledge of air law for an airline transport pilot licence (aeroplane)	6	8	B
26808	Demonstrate knowledge of navigation and flight planning for an instrument rating	5	8	B
26809	Demonstrate knowledge of flight navigation general (aeroplane and helicopter) for an airline transport pilot licence	5 6	10	B
26810	Demonstrate knowledge of flight planning for an airline transport pilot licence (aeroplane)	6	10 15	B
26811	Demonstrate knowledge of instruments and navigation aids for an instrument rating	5	15	B
26812	Demonstrate knowledge of instruments and navigation aids for an airline transport pilot licence (aeroplane)	6	12 10	B

ID	Title	Level	Credit	Review Category
26813	Demonstrate mastery for a Category A flight instructor rating (aeroplane and helicopter)	6	20	B
26814	Demonstrate flying skills for an airline transport pilot licence (aeroplane)	7 6	35	B
26815	Demonstrate flying skills for an instrument rating in multi-engine aircraft	5 6	10	B
26816	Demonstrate flying skills for an instrument rating in single-engine aircraft	5 6	10	B
26817	Demonstrate multi-engine flight instruction for a Category A flight instructor rating (aeroplane and helicopter) Demonstrate multi-engine flight instruction for a Category A, B or C flight instructor rating (aeroplane and helicopter)	6	4 8	B
26818	Demonstrate knowledge of air law for an airline transport pilot licence (helicopter)	6	8	B
26819	Demonstrate knowledge of flight planning for an airline transport pilot licence (helicopter)	6	6	B
26820	Demonstrate knowledge of human factors for an airline transport pilot licence	6	12 10	B
26821	Demonstrate knowledge of aerodynamics and aircraft systems for an airline transport pilot licence (helicopter)	6	8	B
26833	Demonstrate glider ground handling	2 3	3	B
26834	Demonstrate glider winch launch as a pilot	4 3	1	B
26835	Demonstrate glider aero-tow launch as a pilot	4	1	B
26836	Fly a glider to achieve a Gliding New Zealand A certificate (solo flight)	4	6	B
26837	Fly a glider to achieve a Gliding New Zealand B certificate	4	5	B
26838	Fly a glider to achieve a Gliding New Zealand Qualified Glider Pilot (QGP) rating	4	5 10	B
27183	Fly an aeroplane as a pilot-in-command to show preparedness for a commercial pilot flight test	5	20 30	B
27184	Fly a helicopter as a pilot-in-command to show preparedness for a commercial pilot licence flight test	5	25	B
27185	Demonstrate night flying as a pilot-in-command to show preparedness for a commercial pilot test (helicopter) Demonstrate night flying to meet the commercial pilot test (helicopter) standard	5	5	B
27253	Demonstrate night flying as a pilot-in-command to show preparedness for a commercial pilot test (aeroplane)	5	5	B
27259	Demonstrate knowledge and readiness for airline multi-crew flying operations	6	35	B

ID	Title	Level	Credit	Review Category
27260	Demonstrate knowledge of helicopter performance and loading for an airline transport pilot licence (helicopter)	6	5	B
27390	Fly an aeroplane as pilot-in-command to show preparedness for a Category C flight instructor rating	6	45	B
27391	Fly a helicopter as pilot-in-command to show preparedness for a Category C flight instructor rating	6	50 45	B
27677	Demonstrate competence for aerobatic flight	5	8	B
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