

Field Service Sector**Review of *Aircraft Operation* unit standards**

Subfield	Domain	ID
Aviation	Aircraft Operation	15350, 15352, 15355, 15357, 15361, 15362, 16323-16329, 16331, 16332, 16437

The Aviation, Tourism and Travel Training Organisation (ATTTO) has completed the review of the unit standards listed above.

Date new versions published

June 2010

Planned review date

December 2015

Summary of review and consultation process

The ATTTO carried out this review following indications from industry that there was a need to update the content of the unit standards. This update was to ensure that these unit standards comply with the requirements of the Civil Aviation Authority (CAA) for the rating of flight instructors and to introduce unit standards that define the skills and knowledge needed to gain the Commercial Pilot Licence. Therefore, in conjunction with experts representing the CAA, a review was initiated by the ATTTO. An expert panel was selected to specify the skills and knowledge required for the *Aircraft Operation* domain, determine whether the existing unit standards were still fit for purpose, and identify any gaps where the development of further unit standards was required.

Drafts of new and reviewed unit standards were circulated to the CAA for feedback. All feedback was considered and, where appropriate, incorporated into the unit standards, which were then endorsed by the CAA. The review was used to address issues of currency, accuracy, and alignment with CAA documents.

Whereas a previous review dealt with the unit standards relating to a Private Pilot Licence (PPL), this review covered the unit standards relevant to a Commercial Pilot Licence (CPL) and to flight instructors. It was carried out in preparation for the development of the following qualifications: National Certificate in Aviation (Commercial Pilot) with strands in Aeroplane, Helicopter, Glider, and Balloon; and National Certificate in Aviation (Flight Instructor). In addition, unit standards were created to be included in the elective sections of qualifications leading to a PPL.

Main changes resulting from the review

The review process resulted in the following changes to the unit standards.

- Unit standards were edited to reflect changes in CAA rules and procedures.
- Unit standards 15350, 15352, 15355, 15357, 15361, 15362, 16323-16329, 16331, 16332 and 16437 were replaced by new standards, with levels and credits that better reflect the time taken and demand of learning.
- New unit standards were created to cover the range of skills required by CPL and PPL holders.

Unit standards categorised as category C expire at the end of December 2012.

Impact on existing provider accreditations

Nature of accreditation	Classification or ID	Level	Nature of accreditation	ID	Level
Domain	Aircraft Operation	3	Standards	26203, 26204, 26206, 26208, 26209, 26218	4
Standard	16323	6	Standard	26214	6
Standard	16324	6	Standard	26215	6
Standard	16325	6	Standard	26210	4
Standard	16327	5	Standard	26216	6
Standard	16328	6	Standard	26213	6
Standard	16329	5	Standard	26217	6
Standard	16332	5	Standard	26212	6
Standard	16437	5	Standard	26207	5

Impact on Accreditation and Moderation Action Plan (AMAP)

None.

Impact on existing qualifications

None.

Review Categories and changes to 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
15350	Demonstrate knowledge of meteorology for commercial aircraft operations	3	5	C
26206	Demonstrate knowledge of meteorology for commercial aircraft operations in accordance with Subject No 20	4	6	
15352	Demonstrate knowledge of principles of flight and performance for commercial aircraft operations	3	5	C
26208	Demonstrate knowledge of aircraft principles of flight and performance for commercial aircraft operations	4	6	
15355	Demonstrate knowledge of air law for commercial aircraft operations	3	3	C
26203	Demonstrate knowledge of air law for commercial aircraft operations	4	8	

ID	Title	Level	Credit	Review Category
15357	Demonstrate technical knowledge of aircraft other than heavy jets	3	5	C
26209	Demonstrate general aircraft technical knowledge for a commercial pilot licence (aeroplane)	4	6	
15361	Demonstrate knowledge of human factors for commercial and airline transport operations	4	6	C
26205	Demonstrate knowledge of human factors for commercial aircraft operations	4	6	
15362	Demonstrate knowledge of navigation and flight planning for commercial aircraft operations	3	5	C
26204	Demonstrate knowledge of air navigation and flight planning for commercial aircraft operations	4	5	
16323	Demonstrate competence for aerobatic flight instruction	6	5	C
26214	Demonstrate competence for aerobatic flight instruction	6	10	
16324	Demonstrate competence for spinning flight instruction	6	5	C
26215	Demonstrate competence for spinning flight instruction	6	5	
16325	Demonstrate competence for GPS flight approach	6	5	C
26210	Demonstrate competence for GPS flight approach	4	5	
16326	Demonstrate competence for ILS flight approach	5	5	C
26211	Demonstrate competence for ILS flight approach	4	3	
16327	Demonstrate competence for multi-engine flight instruction	5	5	C
26216	Demonstrate competence for multi-engine flight instruction	6	8	
16328	Demonstrate competence for night flight instruction	6	5	C
26213	Demonstrate competence for night flight instruction	6	5	
16329	Demonstrate competence for a Category C flight instructor rating	5	16	C
26217	Demonstrate competence for Category C flight instructor rating	6	16	
16331	Demonstrate knowledge of flight instructional techniques	3	5	C
26218	Demonstrate knowledge of flight instructional techniques	4	5	
16332	Demonstrate competence for a Category B flight instructor	5	16	C
26212	Demonstrate competence for a Category B flight instructor	6	10	

ID	Title	Level	Credit	Review Category
16437	Demonstrate flying skills for a commercial pilot's licence	5	18	C
26207	Demonstrate flying skills for a commercial pilot licence (aeroplane)	5	10	
26176	Demonstrate knowledge of safety management systems for an aviation environment	4	8	New
26177	Demonstrate knowledge of air operations requirements for small aeroplanes and helicopters	4	8	New
26178	Demonstrate cross-country navigation skills for a commercial pilot licence (aeroplane)	4	4	New
26179	Demonstrate knowledge of, and skills for, mountain flying for a commercial pilot licence (aeroplane)	4	5	New
26180	Demonstrate technical knowledge of an aeroplane exceeding 5700kg MCTOW for a type rating	4	4	New
26181	Demonstrate basic knowledge of turbine engines in accordance with Subject No 64	4	8	New
26182	Demonstrate type rating competency for an aeroplane exceeding 5700 kg MCTOW	4	6	New
26183	Demonstrate type rating competency for an aeroplane not exceeding 5700 kg MCTOW	4	5	New
26184	Demonstrate knowledge of, and skills for, winter flying	4	6	New
26185	Demonstrate flying skills for a commercial pilot licence (helicopter)	4	10	New
26186	Demonstrate knowledge of helicopter principles of flight and performance for commercial aircraft operations	4	6	New
26187	Demonstrate general helicopter technical knowledge for commercial aircraft operations	4	6	New
26188	Demonstrate type rating competency for single engine helicopters	4	5	New
26189	Demonstrate type rating competency for multi-engine helicopters	4	5	New
26190	Demonstrate knowledge of, and skills for, mountain flying for a commercial pilot licence (helicopter)	4	5	New
26191	Demonstrate cross-country navigation skills (day) for a commercial pilot licence (helicopter)	4	4	New
26192	Demonstrate flying skills for a commercial pilot licence (glider)	4	8	New
26193	Demonstrate knowledge of glider principles of flight and operation for commercial aircraft operations	4	5	New
26194	Demonstrate general aircraft technical knowledge for glider operations	4	5	New

ID	Title	Level	Credit	Review Category
26195	Demonstrate flying skills for a commercial pilot licence (balloon)	4	8	New
26196	Demonstrate technical knowledge of balloons and aerostatics	4	5	New
26197	Describe and use a Global Positioning System (GPS) for a specified VFR aviation activity	3	3	New
26198	Demonstrate aviation-specific oral English language proficiency	2	2	New
26199	Demonstrate knowledge of, and skills for, night flying for a private pilot licence	4	2	New
26200	Demonstrate flying skills for the carriage of sling loads for a private pilot licence (helicopter)	3	2	New
26201	Demonstrate knowledge of survival skills for a pilot	2	2	New
26202	Demonstrate knowledge of aviation technology	2	2	New