

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

Subfield	Domain	ID
Aviation	Aircraft Operation	15351, 15353, 15354, 15356, 15358-15360, 15363-15365, 16318, 16320-16322

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

Date new versions published

January 2011

Planned review date

December 2015

Summary

The ATTTO carried out the review of the above unit standards following indications from industry that there was a need to update the content of the unit standards to comply with the requirements of the Civil Aviation Authority (CAA) for Instrument Flight Rules (IFR), for the rating of flight instructors and to introduce standards to define the skills and knowledge of the Airline Transport Pilot Licence (ATPL). Therefore, in conjunction with experts representing CAA, a review was initiated by the ATTTO. The 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 CAA for feedback. All feedback was considered, and where appropriate, incorporated into the unit standards; the CAA then endorsed these. The review was used to address issues of currency, accuracy, and alignment with CAA documents.

A previous review dealt with the standards relating to a Commercial Pilot Licence. This present review covered the standards relevant to IFR, ATPL, and to Category A flight instructors. The review was carried out in preparation for the development of national qualifications for commercial pilots, airline transport pilots and flight instructors.

Main changes

- Standards 15351, 15353, 15354, 15356, 15359, 15360, 15363-15365, 16318, and 16320-16322 were replaced by new standards to reflect CAA requirements.
- Standard 15358 was designated expiring.
- Standards 26817-26821 were added.

Category C and D unit standards will expire at the end of December 2011

Impact on existing accreditations

Current Accreditation for			Accreditation extended to		
Nature of accreditation	Classification or ID	Level	Nature of accreditation	ID	Level
Subfield	Aviation	6	Standard	26814	7
Domain	Aircraft Operation	3	Standard	26806, 26807	4
Domain	Aircraft Operation	4	Standard	26808, 26811	5
Domain	Aircraft Operation	6	Standard	26814	7
Standard	15353	5	Standard	26805	5
Standard	16318	6	Standard	26813	6
Standard	16321	5	Standard	26815	5
Standard	16322	5	Standard	26816	5

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

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
15351	Demonstrate knowledge of meteorology for international airline transport operations	5	10	C
26804	Demonstrate knowledge of meteorology for an airline transport pilot licence	5	10	
15353	Demonstrate knowledge of principles of flight, loading and performance for high performance aircraft	5	10	C
26805	Demonstrate knowledge of advanced aerodynamics, performance and systems knowledge (aeroplane)	6	10	
15354	Demonstrate knowledge of air law for instrument flight	3	5	C
26806	Demonstrate knowledge of air law for instrument flight	5	8	
15356	Demonstrate knowledge of air law for airline transport operations	3	5	C
26807	Demonstrate knowledge of air law for an airline transport pilot licence (aeroplane)	6	8	
15358	Demonstrate technical knowledge of heavy jet transport aircraft	5	10	D
15359	Demonstrate knowledge of navigation and flight planning for instrument flight	4	6	C
26808	Demonstrate knowledge of navigation and flight planning for an instrument rating	5	8	

ID	Title	Level	Credit	Review Category
15360	Demonstrate knowledge of navigation for international airline transport operations	5	10	C
26809	Demonstrate knowledge of flight navigation general (aeroplane and helicopter) for an airline transport pilot licence	5	10	
15363	Demonstrate knowledge of flight planning for international airline transport operations	5	10	C
26810	Demonstrate knowledge of flight planning for an airline transport pilot licence (aeroplane)	6	10	
15364	Demonstrate knowledge of instruments and navigational aids for instrument flight	4	6	C
26811	Demonstrate knowledge of instruments and navigation aids for an instrument rating	5	15	
15365	Demonstrate knowledge of instruments and nav aids for international airline transport operations	5	10	C
26812	Demonstrate knowledge of instruments and navigation aids for an airline transport pilot licence (aeroplane)	6	12	
16318	Demonstrate competence for a Category A flight instructor rating	6	16	C
26813	Demonstrate mastery for a Category A flight instructor rating (aeroplane and helicopter)	6	20	
16320	Demonstrate flying skills for an international airline transport pilot's licence	6	25	C
26814	Demonstrate flying skills for an airline transport pilot licence (aeroplane)	7	35	
16321	Demonstrate flying skills for instrument rating in multi-engined aircraft	5	10	C
26815	Demonstrate flying skills for an instrument rating in multi-engine aircraft	5	10	
16322	Demonstrate flying skills for instrument rating in single-engined aircraft	5	10	C
26816	Demonstrate flying skills for an instrument rating in single-engine aircraft	5	10	
26817	Demonstrate multi-engine flight instruction for a Category A flight instructor rating (aeroplane and helicopter)	6	4	New
26818	Demonstrate knowledge of air law for an airline transport pilot licence (helicopter)	6	8	New
26819	Demonstrate knowledge of flight planning for an airline transport pilot licence (helicopter)	6	6	New
26820	Demonstrate knowledge of human factors for an airline transport pilot licence	5	12	New
26821	Demonstrate knowledge of aerodynamics and aircraft systems for an airline transport pilot licence (helicopter)	6	8	New