

Field Engineering and Technology**Review of *Aeronautical Maintenance Certification* unit standards**

Subfield	Domain	ID
Aeronautical Engineering	Aeronautical Maintenance Certification	27733-27750

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

Date new versions published

September 2017

Planned review date

December 2022

Summary

The unit standards for Aeronautical Maintenance Certification under EASA regulations Part 147 were due for review. Expert industry advice verified that the standards were fit for purpose, with minor adjustment. The standards were endorsed by industry.

Main changes

- Reference to EU regulations in purpose and guidance information was updated.
- Guidance information in standard 27749 was corrected.
- Standard 27749 and standard 27750 were lowered from Level 6 to Level 5.
- A last date for assessment of superseded versions of the unit standards was specified.

The last date for assessment of superseded versions of Category B unit standards is December 2020

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 the same 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

Engineering and Technology > Aeronautical Engineering > Aeronautical Maintenance Certification

ID	Title	Level	Credit	Review Category
27733	Demonstrate knowledge of mathematics for aeronautical engineering (EASA 147 Maintenance)	5	7	B
27734	Demonstrate knowledge of the principles of physics to aeronautical engineering (EASA 147 Maintenance)	5	7	B

ID	Title	Level	Credit	Review Category
27735	Demonstrate knowledge of electrical fundamentals for Aeronautical Engineering (EASA 147 Approved Maintenance) Demonstrate knowledge of electrical fundamentals for aeronautical engineering (EASA 147 Maintenance)	5	20	B
27736	Demonstrate knowledge of electronic fundamentals for aeronautical engineering (EASA 147 Maintenance)	5	12	B
27737	Demonstrate knowledge of digital techniques for aeronautical engineering (EASA 147 Maintenance)	5	12	B
27738	Demonstrate knowledge of materials and hardware for aeronautical engineering (EASA 147 Maintenance)	5	30	B
27739	Demonstrate knowledge of maintenance practices for aeronautical engineering (EASA 147 Maintenance)	5	50	B
27740	Demonstrate knowledge of basic aerodynamics for aeronautical engineering (EASA 147 Maintenance)	5	7	B
27741	Demonstrate knowledge of human factors for aeronautical engineering (EASA 147 Maintenance)	5	15	B
27742	Demonstrate knowledge of aviation legislation for aeronautical engineering (EASA 147 Maintenance)	5	10	B
27743	Demonstrate knowledge of turbine aeroplanes for aeronautical engineering (EASA 147 Maintenance)	5	55	B
27744	Demonstrate knowledge of piston aeroplanes for aeronautical engineering (EASA 147 Maintenance)	5	55	B
27745	Demonstrate knowledge of helicopters for aeronautical engineering (EASA 147 Maintenance)	5	60	B
27746	Demonstrate knowledge of aeroplanes for aeronautical engineering (EASA 147 Maintenance)	5	60	B
27747	Demonstrate knowledge of propulsion for aeronautical engineering (EASA 147 Maintenance)	5	15	B
27748	Demonstrate knowledge of gas turbine engine for aeronautical engineering (EASA 147 Maintenance)	5	15	B
27749	Demonstrate knowledge of piston engine for aeronautical engineering (EASA 147 Maintenance)	6 5	15	B
27750	Demonstrate knowledge of propellers for aeronautical engineering (EASA 147 Maintenance)	6 5	5	B