

Special Condition to define the MMEL requirements as Certification Basis for non-complex motor-powered helicopters.

Introductory Note

The following Special Condition has been classified as a new Special Condition and as such shall be subject to public Consultation in accordance with EASA Management Board decision 02/04 dated 30 March 2004, Article 3 (2.) of which states:

“2. Deviations from the applicable airworthiness codes, environmental protection certification specifications and/or acceptable means of compliance with Part 21, as well as important special conditions and equivalent safety findings, shall be submitted to the panel of experts and be subject to a public consultation of at least 3 weeks, except if they have been previously agreed and published in the Official Publication of the Agency. The final decision shall be published in the Official Publication of the Agency.”

Statement of Issue

Commission Regulation (EU) 748/2012 as amended by Commission Regulation (EU) No 69/2014 requires that for applicable aircraft a set of Operational Suitability Data (OSD) is approved as part of the Type Certificate, and being included in the Type Certificate Data Sheet (TCDS). Guidance Material defining the applicability is provided in the GM No 1,2,3 to 21.A.15(d).

EASA has developed a set of requirements that are contained in the Certification Specifications CS-MMEL for complex motor-powered aircraft and CS-GEN-MMEL for non-complex aeroplanes and those can be used to define the applicable MMEL Certification Basis. CS-MMEL and CS-GEN-MMEL were published on the 31st January 2014.

No specific requirements were established for non-complex helicopters. Therefore EASA has developed this Special Condition to define the MMEL requirements as Certification Basis for non-complex motor-powered helicopters.

Special Condition SC-GEN-MMEL-Non-Complex-Helicopters

For single/multi engine helicopters certificated:

- for a maximum take-off mass of 3175 kg or less, and
- for a maximum passenger seating configuration of nine or less, and
- for operation with a minimum crew of one pilot, and
- for operation under VFR Day/Night and no flight in known icing conditions only, and
- for other than Category A requirements,

the applicable certification specifications are constituted of:

- CS-GEN-MMEL Initial Issue Book 1 & 2 where “aeroplane” is replaced by “helicopter” at each occurrence in the text, and provided
- the CS-GEN-MMEL Initial Issue Appendix IV – Item list applicability is limited to the items as defined in Table 1 below, and complemented by items of the CS-MMEL Appendix 1 to GM1 MMEL.145 MMEL ITEMS GUIDANCE BOOK, as defined in Table 1 below.

Table 1:

CS-GEN-MMEL Appendix IV applicable items	Item title	Remarks
CS-GEN-MMEL 21-20-1	Fresh air ventilation outlets	
CS-GEN-MMEL 21-40-1	Heating system	
CS-GEN-MMEL 21-50-1	Air Conditioning system	
CS-GEN-MMEL 22-10-1	Autopilot/SAS	Relief for Autopilot can be used for Stability Augmentation System
CS-GEN-MMEL 22-10-2	Autopilot disconnect functions — Quick release controls	
CS-GEN-MMEL 23-10-1	Headsets	
CS-GEN-MMEL 23-10-2	Audio Selector panels	

CS-GEN-MMEL 23-11-1	Long Range Communication systems	Includes HF
CS-GEN-MMEL 23-12-1	VHF Communication systems	
CS-GEN-MMEL 23-20-1	Datalink	
CS-GEN-MMEL 23-30-1	Public address system	
CS-GEN-MMEL 23-40-1	Flight crew interphone system	
CS-GEN-MMEL 24-40-1	External power system	
CS-GEN-MMEL 25-11-1	Flight crew compartment seat	
CS-GEN-MMEL 25-21-1	Passenger Seats	
CS-GEN-MMEL 25-60-1	Electrical torches/flashlights (incl. holders)	
CS-GEN-MMEL 25-60-2	Life rafts	
CS-MMEL 25-60-7	Emergency Flotation Equipment	
CS-GEN-MMEL 25-60-3	Survival equipment	
CS-GEN-MMEL 25-61-1	Crash axes and crowbars	
CS-GEN-MMEL 25-62-1	First-aid kits	
CS-GEN-MMEL 25-63-1	Emergency locator transmitters	
CS-GEN-MMEL 25-63-2	Survival emergency locator transmitters ELT(s)	
CS-MMEL 25-63-2	Automatically Deployable	

	Emergency Locator Transmitter ELT(AD)	
CS-GEN-MMEL 25-63-3	Personal locator beacons (PLB)	
CS-GEN-MMEL 25-64-1	Life jackets (or equivalent individual floatation devices)	
CS-GEN-MMEL 26-24-1	Hand fire extinguishers	
CS-GEN-MMEL 28-40-1A	Fuel quantity indication	
CS-GEN-MMEL 30-31-1	Pitot heating system	
CS-GEN-MMEL 30-31-3	Static port heating system	
CS-GEN-MMEL 31-21-1	Clock	
CS-GEN-MMEL 31-22-1	Hour meter	
CS-GEN-MMEL 33-10-1	Flight compartment lighting	
CS-GEN-MMEL 33-20-1	Passenger compartment lighting	
CS-GEN-MMEL 33-20-2	Cabin signs (fasten seat belt/No smoking)	
CS-GEN-MMEL 33-41-1	Navigation/Position lights	
CS-GEN-MMEL 33-42-1A	Anti-collision light system	Applicability changed to CAT/NCO/SPO operations
CS-MMEL 33-44-1B and 33-44-1C	Landing lights	

CS-GEN-MMEL 34-10-1	Primary airspeed indication	
CS-GEN-MMEL 34-10-2	Primary altitude indication	
CS-GEN-MMEL 34-10-3-2A	Turn indication	May be inoperative provided at least one slip indication is operative as per CS-GEN-MMEL 34-10- 3-2A
CS-GEN-MMEL 34-10-3-2A	Slip indication	
CS-GEN-MMEL 34-10-4	Vertical speed indicator	
CS-GEN-MMEL 34-15-1	Altitude alerting system	
CS-GEN-MMEL 34-15-2	Radio altimeter	
CS-MMEL 34-15-2	Radio Altimeter with an Audio Voice Warning (or equivalent)	
CS-GEN-MMEL 34-20-1	Stabilised direction indication	
CS-GEN-MMEL 34-20-2 and CS-MMEL 34-20-2G	Primary attitude indication	
CS-GEN-MMEL 34-20-3	Standby attitude indication	With additional relief as per CS-GEN-MMEL 34-20-2F
CS-GEN-MMEL 34-22-1	Magnetic/Standby compass	34-22-1B condition (b) replaced by “(b) Flight is conducted over routes navigated by reference to visual landmarks”

		34-22-1C condition (b) replaced by “(b) Flight is conducted over routes navigated by reference to visual landmarks”
CS-GEN-MMEL 34-31-1	Marker beacon	34-31-1B only
CS-MMEL 34-32-1	ILS (or MLS)	34-32-2B only <i>Note: CS-MMEL has a typo on this sub-item number as it should have been 34-32-1B</i>
CS-GEN-MMEL 34-40-1	Airborne collision avoidance system (ACAS)	
CS-GEN-MMEL 34-41-1	Weather detection system	34-31-1A only
CS-GEN-MMEL 34-51-1	Navigation systems (based on VO, DME, ADF, Global Navigation Satellite System, Inertial Navigation System)	
CS-GEN-MMEL 34-54-1	Secondary Surveillance Radar (SSR) transponder	
CS-GEN-MMEL 34-54-2	SSR transponder Mode S	Including sub-items
CS-GEN-MMEL 35-00-1	Supplemental oxygen system Non-pressurized helicopters	
CS-GEN-MMEL 46-20-1	Electronic flight bag (EFB) systems	
CS-GEN-MMEL 46-20-2	Class 2 EFB	Item title changed to “EFB related hardware” 46-20-2-1B condition (a) replaced by “(a) the associated EFB is used in accordance with portable EFB stowage criteria (see AMC 20-26 paragraph 6.2.1.6 Viewable stowage)”

<p>CS-GEN-MMEL 46-20-3</p>	<p>Power connection for class 1 and class 2 EFB</p>	<p>Item title changed to "Power connection for EFB"</p> <p>46-20-3-1B condition (a) replaced by "(a) the associated EFB is used in accordance with portable EFB stowage criteria (see AMC 20-26 paragraph 6.2.1.6 Viewable stowage)"</p>
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