

Appendix 1 to JAR-FCL 1.470

Theoretical knowledge examination subjects / sections and length of examinations – ATPL, CPL and IR

(See JAR-FCL 1.470)

Subject	Aeroplane (A)						Helicopter (H)					
	ATPL		CPL		IR		ATPL		CPL		IR	
	Paper no	Exam length time	Paper no	Exam length time	Paper no	Exam length time	Paper no	Exam length time	Paper no	Exam length time	Paper no	Exam length time
010 Air Law (B)	1	1.40	1	0.45			1	1.40	1	1.00		
010 Air Law / Operational Procedures					1	1.00					1	1.00
020 Aircraft General Knowledge (B)			2	2.30	2	1.15			2	2.30	2	1.15
airframe/systems/power plant	2	2.00		(1.30)		(0.15)	2	2.00		(1.30)		(0.15)
instruments/electronics	3	1.30		(1.00)		(1.00)	3	1.30		(1.00)		(1.00)
030 Flight Performance and Planning (B)			3	3.00	3	2.00			3	3.30	3	2.00
mass and balance	4	1.00		(0.45)			4	1.00		(1.00)		
Performance	5	1.00		(0.45)			5	1.00		(1.00)		
flight planning & monitoring	6	3.00		(1.30)		(2.00)	6	3.00		(1.30)		(2.00)
040 Human Performance & Limitations	7	1.00	4	0.30	4	0.30	7	1.00	4	0.30	4	0.30
050 Meteorology (B)	8	2.30	5	1.30	5	1.30	8	2.30	5	1.00	5	1.30
060 Navigation (B)			6	1.30	6	2.00			6	1.30	6	2.00
general navigation	9	2.00		(1.00)		(0.30)	9	2.00		(1.00)		(0.30)
radio navigation	10	1.30		(0.30)		(1.30)	10	1.30		(0.30)		(1.30)
070 Operational Procedures (B)	11	1.20	7	0.45			11	1.20	7	1.20		
080 Principles of Flight (B)	12	1.00	8	0.45			12	1.00	8	1.00		
090 Communications			9	0.30	7	0.30			9	0.30	7	0.30
VFR communications	13	0.30		(0.30)			13	0.30		(0.30)		
IFR communications	14	0.30				(0.30)	14	0.30				(0.30)
Total	14	20.30	9	11.45	7	8.45	14	20.30	9	12.50	7	8.45

Note 1: refer to JAR-FCL 1.050(b) and 2.050(b) for crediting of flight time and theoretical knowledge.

Note 2: (B) indicates that 'Bridge' examinations are required to convert from an Aeroplane licence to an Helicopter licence, and vice-versa. See Appendix 1 to JAR-FCL 1.050 and Appendix 1 to JAR-FCL 2.050.

Note 3: the syllabus combines the theoretical knowledge syllabuses for Aeroplane and Helicopter. Column boxes marked with a cross ('x') indicate that knowledge of the relevant *topic* is required to be taught for the particular licence level. Column boxes marked with a bullet point (•) indicate that the *sub-topic* is NOT applicable to the particular licence level.