

Basic Instrument Rating

Changes to the syllabus

ED Decision 2020/018/R

- Inserts BIR into the syllabus, removes EIR
- Minor edits to a few LOs
- Source references removed from AMC & GM, placed in [TKSyllabusComparisonDocv.3](#) in order to facilitate updates
- Document is available on the ECQB page of the EASA website

Overview of BIR Reg. (EU) No 2020/359

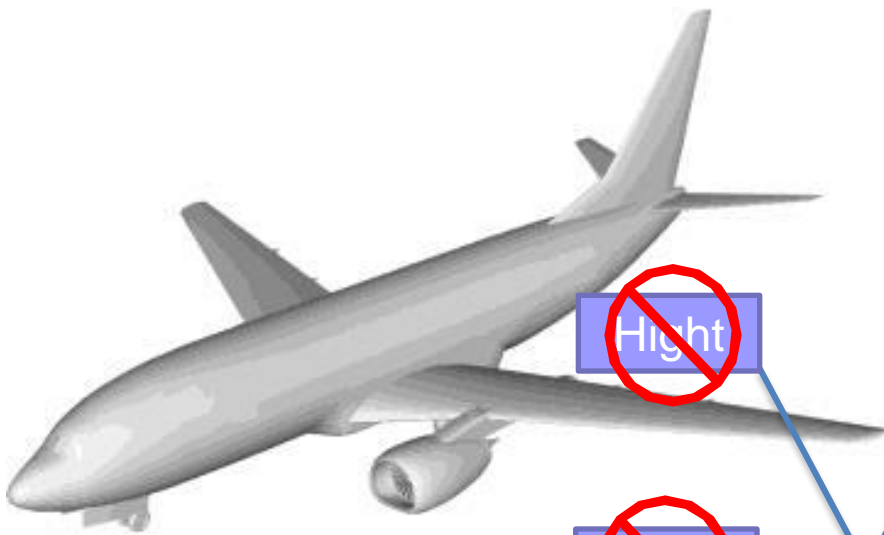
Competency-based

- FCL.835 – 4 modules, TK exams associated with **modules 1 to 3**
- Focuses on the practical needs of GA pilots
- Central to its philosophy is to assess the risks of a particular flight in a more systematic way
- Examination is focused on the real-world instrument flying needs of GA pilots
- ...with particular emphasis on practical application of threat and error management
- Flexible – FCL.835
- Module 1 to be completed first
- TK exams can be done all **together** before **completing** module 1 or **one-by-one**



Overview of BIR Reg. (EU) No 2020/359

- FCL.025 – TK exams to be completed within **18 months**, pass is **valid indefinitely**
- GA pilots
- In single-pilot GA aeroplanes
- With a class rating (no HP)
- Non-commercial ops
- Visibility @ aerodrome ≥ 1500 m



~~High~~

~~Fast~~

~~Crew~~

✓ Pilot

✓ Slow

✓ Low



Syllabus & LOs

Syllabus & LOs as per the [ED Decision 2020/018/R](#) (see [TKSyllabusComparisonDocv.3](#))

- **BIR exam** = ECQB questions catalogued only under these LOs
- BIR exam column only contains **1**, or **2**, or **3** – related ECQB questions will only appear on one of the module exam papers
- **BIR BK** = needs to be covered by the training course, ECQB questions catalogued under a BIR exam LO can test this knowledge

BIR focus for the ECQB

- Questions focus on **BIR exam** LOs
- They may require knowledge of **BIR BK** LOs as well

Syllabus details and associated Learning Objectives	Aeroplane		Helicopter			IR	CB-IR(A)	BIR Exam	BIR BK
	ATPL	CPL	ATPL/IR	ATPL	CPL				
Explain the operating principles of an altimeter.	X	X	X	X	X	X	X	1	2, 3
Describe and compare the following three types of altimeters and reason(s) why particular designs may be required in certain airspace: – simple altimeter (single capsule); – sensitive altimeter (multi-capsule); – servo-assisted altimeter.	X	X	X	X	X	X	X		1
Give examples of associated displays: pointer, multi-pointer, drum, vertical straight scale.	X	X	X	X	X	X	X		1

BIR focus for the ECQB

- LOs often associated with **many exam groups**
- ECQB questions are often drafted with a **particular** operation/ scenario in mind
- Such questions are relevant to a **sub-set** of the exam groups
- E.g. BIR flight on LO (02) as a single-pilot operation, @ FL200

Syllabus reference	BK	Syllabus details and associated Learning Objectives	Aeroplane		Helicopter		IR	CB-IR(A)	BIR Exam	BIR BK
			ATPL	CPL	ATPL/IR	ATPL	CPL			
050 10 02 01		Significant weather charts								
(01)		Decode and interpret significant weather charts (low, medium and high level).	X	X	X	X	X	X	2	
(02)		Describe from a significant weather chart the flight conditions at designated locations or along a defined flight route at a given FL.	X	X	X	X	X	X	2	

Exam procedures & duration – AMCs to ARA.FCL.300

- 3 multi - subject exams
- Similar in length
- Organised at topic level
- E.g. 022 02 LOs are only examined in the module 1 exam but taught in modules 1, 2, & 3

BIR module 1 exam		01:20
Topic	# MCQs on exam	# MCQs in ECQB 2021
22.02	3	15
22.03	1	3
22.04	3	12
22.13	4	18
40.01	1	5
40.02	7	36
40.03	8	26
50.01	2	23
50.02	2	10
50.03	1	5
50.04	5	21
50.05	3	15
40		189

BIR module 2 exam		01:30
Topic	# MCQs on exam	# MCQs in ECQB 2021
10.06	6	24
10.08	1	5
10.09	2	8
33.02	7	39
50.10	6	25
62.02	6	24
62.03	2	9
62.06	4	16
62.07	7	27
41		177

BIR module 3 exam		01:30
Topic	Number of questions	# MCQs in ECQB 2021
10.05	2	9
10.07	6	27
22.11	1	5
33.03	1	8
33.04	2	11
33.05	1	10
50.06	4	16
50.07	1	5
50.09	10	32
90.01	2	10
90.02	6	31
90.03	1	5
90.04	2	10
90.05	3	15
90.06	1	4
90.07	1	5
44		203

Exam procedures

- FCL.025
- All papers to be completed in **18 months**
- No provisions on **how many sittings or attempts can be made**
- Need to amend FCL.025
- Credit in Communications

FCL.035 (b)(2) Applicants that have passed the theoretical knowledge examination for a commercial pilot licence shall be credited towards the requirements for the theoretical knowledge for...

(iii) the subject 'communications' for the BIR. This credit shall include the IFR part of the subject 'communications' only if that subject was completed in accordance with point FCL.310, as applicable as of 20 December 2019.

- No indication in AMC2 ARA.FCL.300(b) for a reduced TK exam

Basic Instrument Rating

www.caa.ro