



Circulaire

CIR/FCL 9

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Objet : Programme et procédures de l'épreuve d'aptitude CPL(A).

Betreft: Programma en procedures van de vaardigheidstest CPL(A).

Réf. :

Arrêté royal du 4 mars 2008 réglementant les licences civiles de pilote d'avions. Article 41.

Ref. :

Koninklijk besluit van 4 maart 2008 tot regeling van de burgerlijke vergunningen van bestuurder van vliegtuigen. Artikel 41.

JAR-FCL 1.170
App 1 & 2 to JAR-FCL 1.170
IEM-FCL 1.170

JAR-FCL 1.170
App 1 & 2 to JAR-FCL 1.170
IEM-FCL 1.170

Le Directeur général a.i.,
De Directeur-generaal a.i.,

L'édition 4 comprend
De 4^{de} uitgave bevat

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FCL 9

Cette circulaire décrit le programme et les procédures qui sont d'application pour l'épreuve d'aptitude en vue de l'obtention de la licence de pilote professionnel avions (CPL(A)).

FCL 9

Deze circulaire beschrijft het programma en de procedures die van toepassing zijn voor de vaardigheidstest met het oog op het bekomen van de vergunning van beroepsbestuurder van vliegtuigen (CPL(A)).

Appendix 1 to JAR–FCL 1.170
Skill test for the issue of a CPL(A)

(See JAR–FCL 1.170)

(See Appendix 2 to JAR–FCL 1.170)

(See IEM FCL 1.170)

1 An applicant for a skill test for the CPL(A) shall have satisfactorily completed all of the required training, including instruction on the same type/class of aeroplane to be used in the test. The applicant shall be permitted to choose to take the test on a single-engine aeroplane or, subject to the experience requirement in JAR–FCL 1.255 or JAR–FCL 1.260 of 70 hours flight time as pilot-in-command of aeroplanes, on a multi-engine aeroplane. The aeroplane used for the skill test shall meet the requirements for training aeroplanes set out in Appendix 1a to JAR-FCL 1.055 and shall be certificated for the carriage of at least four persons, have a variable pitch propeller and retractable landing gear.

2 The administrative arrangements for confirming the applicant's suitability to take the test, including disclosure of the applicant's training record, shall be checked by the examiner.

3 An applicant shall pass sections 1 through 5 of the skill test, and section 6 if a multi-engine aeroplane is used. If any item in a section is failed, that section is failed. Failure in more than one section will require the applicant to take the entire test again. An applicant failing only one section shall take the failed section again. Failure in any section of the re-test, including those sections that have been passed on a previous attempt, will require the applicant to take the entire test again. All sections of the skill test shall be completed within six months.

4 Further training may be required following any failed skill test. Failure to achieve a pass in all sections of the test in two attempts shall require further training of at least five hours. There is no limit to the number of skill tests that may be attempted.

CONDUCT OF THE TEST

5 The FE shall ensure that the test is conducted safely, with respect to the requirements of the Royal Decree of 4 March 2008 and in conformity with the guidelines of CIR/FCL 28.

6 Should the applicant choose to terminate a skill test for reasons considered inadequate by the FE, the applicant shall retake the entire skill test. If the test is terminated for reasons considered adequate by the FE, only those sections not completed shall be tested in a further flight.

7 At the discretion of the FE, any manoeuvre or procedure of the test may be repeated once by the applicant. The FE may stop the test at any stage if it is considered that the applicant's demonstration of flying skill requires a complete re-test.

8 An applicant shall be required to fly the aeroplane from a position where the pilot-in-command functions can be performed and to carry out the test as if there is no other crew member. Responsibility for the flight shall be allocated in accordance with national regulations.

9 The route to be flown shall be chosen by the FE and the destination shall be a controlled aerodrome. The route may end at the aerodrome of departure or at another aerodrome. The applicant shall be responsible for the flight planning and shall ensure that all equipment and documentation for the execution of the flight are on board. The duration of the flight shall be at least 90 minutes.

10 An applicant shall indicate to the FE the checks and duties carried out, including the identification of radio facilities. Checks shall be completed in accordance with the authorised check list for the aeroplane on which the test is being taken. During pre-flight preparation for the test the applicant is required to determine power settings and speeds. Performance data for take-off, approach and landing shall be calculated by the applicant in compliance with the operations manual or flight manual for the aeroplane used.

11 The FE shall take no part in the operation of the aeroplane except where intervention is necessary in the interests of safety or to avoid unacceptable delay to other traffic.

FLIGHT TEST TOLERANCES

12 The applicant shall demonstrate the ability to:

- operate the aeroplane within its limitations;
- complete all manoeuvres with smoothness and accuracy;
- exercise good judgement and airmanship;
- apply aeronautical knowledge; and
- maintain control of the aeroplane at all times in such a manner that the successful outcome of a procedure or manoeuvre is never seriously in doubt.

13 The following limits are for general guidance. The FE shall make allowance for turbulent conditions and the handling qualities and performance of the aeroplane used.

Height

normal flight	±100 feet
with simulated engine failure	±150 feet

Tracking on radio aids ±5°

Heading

normal flight	±10°
with simulated engine failure	±15°

Speed

take-off and approach	±5 knots
all other flight regimes	±10 knots

CONTENT OF THE TEST

14 The skill test contents and sections set out in Appendix 2 to JAR-FCL 1.170 shall be used for the skill test (see Annex 1). The application and report form as set out in Annex 2 shall be used for the CPL(A) skill test. Items in Section 2 paragraphs c and e(iv), and the whole of Sections 5 and 6 may be performed in a FNPT II or a flight simulator.

ANNEX 1 – CIR/FCL 9

Appendix 2 to JAR–FCL 1.170

Contents of the skill test for the issue of a CPL(A)

(See JAR–FCL 1.170)

(See IEM FCL 1.170)

SECTION 1 PRE-FLIGHT OPERATIONS AND DEPARTURE	
<i>Use of checklist, airmanship (control of aeroplane by external visual reference, anti/de-icing procedures, etc.) apply in all sections.</i>	
a	Pre-flight, including: Documentation, Mass and balance determination, Weather brief
b	Aeroplane inspection and servicing
c	Taxiing and take-off
d	Performance considerations and trim
e	Aerodrome and traffic pattern operations
f	Departure procedure, altimeter setting, collision avoidance (lookout)
g	ATC liaison – compliance, R/T procedures
SECTION 2 GENERAL AIRWORK	
a	Control of the aeroplane by external visual reference, including straight and level, climb, descent, lookout
b	Flight at critically low airspeed including recognition of and recovery from incipient and full stalls
c*	Turns, including turns in landing configuration. Steep turns 45°
d	Flight at critically high airspeeds, including recognition of and recovery from spiral dives
e	Flight by reference solely to instruments, including: <ul style="list-style-type: none"> i. Level flight, cruise configuration, control of heading, altitude and airspeed ii. Climbing and descending turns with 10°– 30° bank iii. Recoveries from unusual attitudes iv. Limited panel instruments
*	
f	ATC liaison – compliance, R/T procedures

* May be performed in a Flight Simulator or FNPT II

SECTION 3 EN ROUTE PROCEDURES	
a	Control of aeroplane by external visual reference, including cruise configuration Range / Endurance considerations
b	Orientation, map reading
c	Altitude, speed, heading control, lookout
d	Altimeter setting, ATC liaison – compliance, R/T procedures
e	Monitoring of flight progress, flight log, fuel usage, assessment of track error and re-establishment of correct tracking
f	Observation of weather conditions, assessment of trends, diversion planning
g	Tracking, positioning (NDB or VOR), identification of facilities (instrument flight). Implementation of diversion plan to alternate aerodrome (visual flight)
SECTION 4 APPROACH AND LANDING PROCEDURES	
a	Arrival procedures, altimeter setting, checks, lookout
b	ATC liaison: compliance, R/T procedures
c	Go-around action from low height
d	Normal landing, crosswind landing (if suitable conditions)
e	Short field landing
f	Approach and landing with idle power (single-engine only)
g	Landing without use of flaps
h	Post flight actions
SECTION 5 ABNORMAL AND EMERGENCY PROCEDURES	
<i>This section may be combined with sections 1 through 4.</i>	
a*	Simulated engine failure after take-off (at a safe altitude), fire drill
b*	Equipment malfunctions Including alternative landing gear extension, electrical and brake failure
c*	Forced landing (simulated)
d*	ATC liaison: compliance, R/T procedures
e*	Oral questions

* May be performed in a Flight Simulator or FNPT II

**SECTION 6
SIMULATED ASYMMETRIC FLIGHT AND RELEVANT CLASS/TYPE ITEMS**

This section may be combined with Sections 1 through 5.

a*	Simulated engine failure during take-off (at a safe altitude unless carried out in a flight simulator)
b*	Asymmetric approach and go-around
c*	Asymmetric approach and full stop landing
d*	Engine shutdown and restart
e*	ATC liaison – compliance, R/T procedures, Airmanship
f	As determined by the Flight Examiner – any relevant items of the class/type rating skill test to include, if applicable:
*	i. Aeroplane systems including handling of autopilot
*	ii. Operation of pressurisation system
*	iii. Use of de-icing and anti-icing system
g*	Oral questions

*May be performed in a Flight Simulator or FNPT II

ANNEX 2 – CIR/FCL 9

IEM FCL 1.170
CPL(A) skill test form
See JAR–FCL 1.170

APPLICATION AND REPORT FORM FOR THE CPL(A) SKILL TEST
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Applicant's last name:		First name:	
Licence held:		Number:	
Name of training organisation:			

1	Details of the flight		
Class/Type of aeroplane:		Departure aerodrome:	
Registration:		Destination aerodrome:	
Block time off:		Block time on:	
Total block time:		Take-off time:	
Landing Time:			

2	Result of the test *delete as necessary		
Passed*	Failed*	Partial pass*	

3	Remarks

Location and date:		Type and number of FE's licence:	
Signature of FE:	Number of FE's authorization:		
	Name of FE, in capitals:		