

# Final Rule NPA-FCL 4 – 22 (Flight Engineers)

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## **Version**

JAAC Adoption  
15 March 2005



## **Section 1**

### **Subpart A**

# **GENERAL REQUIREMENTS**

**JAR-FCL 4.001      Definitions and Abbreviations**

*Amendment to the definition Flight Engineer*

Flight Engineer:

A Flight Engineer is a person who complies with the requirements in JAR -FCL 4 ~~(also in Section 2)~~.

**JAR-FCL 4.010      Basic authority to act as a flight crew member***Adjustment of paragraph (c) (2)*

(c) (2) If a JAA Member State establishes that an applicant or licence holder of a JAR-FCL licence issued by another JAA Member State has not met, or no longer meets, the requirements of JAR-FCL or relevant national law of the State in which an aircraft is being flown, the JAA Member State shall inform the State of licence issue and the Licensing Division of the Central JAA. In accordance with its national law, a JAA Member State may direct that in the interest of safety an applicant or licence holder it has duly reported to the State of licence issue and the JAA for the above reason may not ~~act as a flight engineer~~ **exercise the privileges of his licence** in any aircraft registered in that State or ~~act as a flight engineer~~ in any aircraft in that State's airspace.

**JAR-FCL 4.015          Acceptance of licenses, ratings,  
authorisations, approvals or certificates**

*Adjustment of paragraph (a)(2)*

*(a) Licences, ratings, authorisations, approvals or certificates  
issued by JAA Member States*

(2) Training for a flight engineer's licence performed after March 2000 and in accordance with all the requirements of JAR-FCL and associated procedures shall be accepted for the issuance of JAR-FCL licences and ratings, provided that licences in accordance with JAR-FCL shall not be issued until after 1 January 2003.

**JAR-FCL 4.016      Credit given to a holder of a licence  
issued by a non- JAA State***Editorial*

(b) The holder of a F/EL issued in accordance with ICAO Annex 1 who meets the flying experience requirements of Appendix 1 to JAR-FCL 4.015 may be exempted from the requirements to undergo approved training prior to undertaking the theoretical knowledge examinations and the skill test, if that licence contains a valid type rating for the aeroplane to be used for the F/E L skill test.

**JAR-FCL 4.035      Medical fitness**

*Amendment of paragraph (b)*

(b) Requirement for medical certificate. In order to apply for or to exercise the privileges of a licence, the applicant or the holder shall hold a medical certificate issued in accordance with the provisions of JAR-FCL Part 3 (Medical) and appropriate to the privileges of the licence.



**JAR-FCL 4.045      Special circumstances***Editorial*

(b) The exemptions are divided into short term exemptions and long term exemptions (more than six months). The granting of a long term exemption may only be undertaken in agreement with the ~~JAA FCL Committee~~ **Licensing Sectorial Team**.



**Section 1**

**Subpart D**

**Flight Engineer Licence F/EL  
(Flight Engineers)**

**JAR-FCL 4.150      Privileges and conditions**

*Adjustment of paragraph (b)*

(b) Conditions. An applicant for a F/EL who has complied with the conditions specified in JAR-FCL 4.140, 4.145 and 4.160 through 4.170 shall have fulfilled the requirements for the issue of a F/EL containing **including at least** the type rating for the aeroplane used on **in** the skill test.

**Section 1**

**Subpart F**

**TYPE RATINGS  
(Flight Engineers)**

Appendix 2 to JAR-FCL 4.240

Content of the F/E Type rating/Training/Skill Test and proficiency check on multi-pilot aeroplanes requiring a minimum crew of three

Amendment to paragraph 1 and item 1,2

1 The following symbols mean:

F/E = Trained for the issue of a type rating as applicable.

X = Flight Simulators shall be used for this exercise, if available, otherwise an aeroplane shall be used if appropriate for the manoeuvre or procedure.

N/A = Not applicable for flight engineers.

*F/E# = the training shall be complemented by supervised aeroplane inspection*

PRACTICAL TRAINING					ATPL/TYPE-RATING SKILL TEST/PROF CHECK		
<b>Manoeuvres/Procedures</b> (including Multi-Crew Cooperation)	OTD	FTD	FS	A	Instructor's initials when training completed	Chkd in	Examiner's initials when test completed
						FS A	
<b>SECTION 1</b>							
<b>1</b>	<b>Flight preparation</b>						
1.1	Performance calculation	F/E					
1.2	Aeroplane ext. visual inspect.; location of each item and purpose of inspection	<i>F/E#</i>		F/E		M if aircraft is used	

## Section 1

### Subpart H

# **INSTRUCTORS RATINGS (Flight Engineers)**

*Amendment to the title*

**JAR-FCL 4.410 SFI(E) – Requirements**

*Amendment to paragraph (a)(7)*

(7) (i) have completed within a period of 12 months, preceding the application, at least three route sectors as an observer on the flight deck of the applicable type or similar type as agreed by the Authority, *or*

*(ii) have completed within a period of 12 months, preceding the application, at least 2 LOFT based simulator sessions conducted by qualified flight crew as an observer on the flight deck of the applicable type or similar type as agreed by the Authority. These simulator sessions shall include:*

- (A) flight between 2 different airports of at least 2 hours duration each, and*
- (B) associated pre-flight planning and de-briefing.*



**Section 1**

**Subpart I**

**EXAMINERS  
(Flight Engineers)**

**JAR-FCL 4.425      Examiners - General**

*Amendment of paragraph (a) (2)*

(a) *Pre-requisites*

(1) ....

(2) Examiners shall be qualified to act as flight engineer of the aircraft during a skill test or a proficiency check, ***unless otherwise specified***, and shall meet the applicable experience requirements set out in JAR-FCL 4.370. Where no qualified examiner is available, at the discretion of the Authority, examiners/inspectors may be authorised without meeting the relevant type rating requirements as mentioned above.

**JAR-FCL 4.440 Flight engineer examiner (TRE(E) - Privileges / Requirements**

*Editorial changes*

The privileges of a TRE(E) are to conduct:

(a) Skill tests for the issue of flight engineer licences and type ratings; **and**

(b) proficiency checks for revalidation or renewal of a **flight engineer** type ratings,

provided **that** the examiner has completed not less than 1500 hours flight time as a flight engineer on a multi-pilot aeroplanes operated with a flight crew including a F/E and holds a TRI(E) authorisation.



## **Section 2**

### **Subpart A**

# **GENERAL REQUIREMENTS**

**IEM FCL 4.025****Validity of medical certificates**

*Amendment to paragraphs (a) and (b) of this IEM*

**For the purpose of JAR-FCL 4** ~~This IEM is a reproduction~~ **contains the relevant parts** of the requirements as set out in JAR-FCL 3.105

**JAR-FCL 3.105      Period of Validity of Medical Certificates**

(a) *Period of validity.* A medical certificate shall be valid from the date of the initial general medical examination and for:

(1) Class 1 medical certificates, 12 months except that for holders who have passed their 40<sup>th</sup> birthday the interval is reduced to six months. ***This increase in frequency after the 40<sup>th</sup> birthday does not apply to flight engineers.***

(2) INTENTIONALLY LEFT BLANK

(3) The expiry date of the medical certificate is calculated on the basis of the information contained in (1) ~~and (2)~~. ***The validity period of a medical certificate (including any associated extended examination or special investigation) shall be determined by the age at which the medical examination of the applicant takes place.***

~~(4) INTENTIONALLY LEFT BLANK~~

(b) *Revalidation.* If the revalidation is taken up to 45 days prior to the expiry date calculated in accordance with (a), the validity of the new certificate extends from the previous medical certificate expiry date by the period stated in (a)(1) ~~or (2) as applicable.~~