
STATUTORY INSTRUMENTS

2009 No. 3015

CIVIL AVIATION

The Air Navigation Order 2009

Made - - - - 17th November 2009

Laid before Parliament 24th November 2009

Coming into force in accordance with article 1

THE AIR NAVIGATION ORDER 2009

1. Citation and Commencement
2. Revocation

PART 1

3. Aircraft to be registered
4. CAA to register aircraft in the United Kingdom
5. Who may register aircraft in the United Kingdom
6. Application for registration
7. Changes to the register
8. Aircraft which are entered in the Register of Aircraft Mortgages
9. General provisions concerning registration
10. Nationality and registration marks

PART 2

11. Requirement for an EU-OPS air operator certificate
12. Requirement for and grant of national air operator's certificate
13. Requirement for and grant of police air operator's certificate
14. Offering commercial transport and public transport flights
15. Operational directives

PART 3

16. Certificate of airworthiness to be in force
17. Certificate of airworthiness for State aircraft registered in the United Kingdom
18. Issue and renewal of national certificates of airworthiness

Status: This is the original version (as it was originally made).

19. National certificate of airworthiness ceasing to be in force and issue of airworthiness directives for non-EASA aircraft
20. Issue of airworthiness directives for EASA aircraft
21. Issue of national permits to fly
22. National permits to fly ceasing to be in force and issue of airworthiness directives for permit aircraft
23. Limitations of national permits to fly
24. Issue and validity of certificates of validation of permits to fly or equivalent documents
25. Requirement for an approved maintenance schedule and a certificate of maintenance review for non-EASA aircraft
26. Issue of a certificate of maintenance review for non-EASA aircraft
27. Technical Log for non-EASA aircraft
28. Requirement for a certificate of release to service for non-EASA aircraft
29. Circumstances where a certificate of release to service is not required
30. Contents of a certificate of release to service
31. Who may issue a certificate of release to service
32. Requirement for a certificate of release to service for EASA aircraft
33. Licensing of maintenance engineers
34. Aircraft, engine and propeller log books for non-EASA aircraft
35. Aircraft weight schedule
36. Access and inspection for airworthiness purposes

PART 4

37. Equipment of aircraft
38. Carriage and use of equipment
39. Radio communication and radio navigation equipment of aircraft
40. Notified radio communication and radio navigation equipment to be carried by EU-OPS aeroplanes
41. Minimum equipment requirements

PART 5

42. Required flight crew of aircraft
43. Flight crew required by aircraft registered in the United Kingdom
44. Pilots required on public transport flights by flying machines over 5700kg
45. Pilots required on public transport flights by aeroplanes of 5700kg or less
46. Pilots required on public transport flights by helicopters of 5700kg or less
47. Flight navigators or navigational equipment required on public transport flights
48. Required cabin crew of aircraft
49. Power to direct additional crew to be carried

PART 6

50. Requirement for appropriate licence to act as member of flight crew of aircraft registered in United Kingdom
51. Flight crew licence requirement – Exception to act as flight radiotelephony operator
52. Flight crew licence requirement – Exception for solo flying training
53. Flight crew licence requirement – Exception for dual flying training
54. Flight crew licence requirement – Exception for gyroplanes at night

55. Flight crew licence requirement – Exception for balloons
56. Flight crew licence requirement – Exception for pilot undergoing training or tests
57. Flight crew licence requirement – Exception for navigators and flight engineers
58. Flight crew licence requirement – Exception for members of HM Forces
59. Flight crew licence requirement – Exceptions for gliders
60. Flight crew licence requirement – Exception where CAA permission granted
61. Requirement for appropriate licence to act as member of flight crew of aircraft registered elsewhere than in the United Kingdom
62. Deeming a non-United Kingdom flight crew licence valid
63. Permission required where licence does not meet relevant minimum standards

PART 7

64. Grant, renewal and privileges of flight crew licences
65. Ratings and qualifications
66. Maintenance of privileges of aircraft ratings specified in Section 1 of Part B of Schedule 7 in pilot licences which are United Kingdom licences for which there are no JAR-FCL equivalents except for Basic Commercial Pilots' Licences
67. Maintenance of privileges of aircraft ratings specified in Section 1 of Part B of Schedule 7 in JAR-FCL licences, United Kingdom licences for which there are JAR-FCL equivalents and United Kingdom Basic Commercial Pilots' Licences
68. Maintenance of privileges of other ratings specified in Section 1 of Part B of Schedule 7
69. Maintenance of privileges of ratings specified in Section 2 of Part B of Schedule 7
70. Maintenance of privileges of Flight Engineers' Licences
71. Maintenance of privileges of Flight Navigators' Licences
72. Requirement for a medical certificate
73. Requirement for a medical declaration for a National Private Pilot's Licence (Aeroplanes)
74. Licence holder not to act a member of flight crew when unfit
75. Training for landing on or taking off from water

PART 8

76. Person not to fly after failing test
77. Approval of training and testing
78. Validation of licences
79. Personal flying log book
80. Instruction in flying
81. Glider pilot – minimum age
82. Licences and ratings no longer to be granted

PART 9

83. Operations manual
84. Police operations manual

Status: This is the original version (as it was originally made).

85. Training manual

PART 10

86. Pre-flight action by commander of aircraft other than EU-OPS aeroplanes
87. Commander to be satisfied that flight can be safely completed
88. Passenger briefing by commander
89. Public transport of passengers – commander to ensure demonstration of lifejackets
90. Public transport of passengers – commander to ensure crew, passengers and baggage secure
91. Public transport of passengers – commander to ensure demonstration of use of oxygen
92. Aerial work and private flights – commander to ensure demonstration of use of oxygen
93. Pilot to remain at controls and be secured in seat

PART 11

94. Flight data monitoring, accident prevention and flight safety programme
95. Public transport – operator’s responsibilities in relation to crew
96. Public transport – operator’s responsibilities in relation to routes and aerodromes
97. Commercial air transport and public transport flights at night or in Instrument Meteorological Conditions by aeroplanes with one power unit which are registered elsewhere than in the United Kingdom

PART 12

98. Operator’s duty concerning the loading of public transport aircraft
99. Requirement to load in accordance with loading instructions
100. Requirement for a load sheet
101. Carriage of baggage
102. Exceptions

PART 13

103. Aeroplanes registered in the United Kingdom – public transport operating conditions and performance requirements
104. Helicopters registered in the United Kingdom – public transport operating conditions and performance requirements
105. Helicopters registered in the United Kingdom carrying out Performance Class 3 operations
106. Helicopters registered in the United Kingdom carrying out Performance Class 1 and 2 operations
107. Public transport aircraft registered in the United Kingdom – aerodrome operating minima
108. Public transport aircraft registered elsewhere than in the United Kingdom – aerodrome operating minima

PART 14

109. Aerial work and private aircraft – aerodrome operating minima

110. Aerial work and private aircraft – survival equipment

PART 15

111. Wearing of survival suits by crew
112. Operation of radio in aircraft
113. Operation of airborne collision avoidance system
114. Training in operation of airborne collision avoidance system
115. Operation of vibration health monitoring systems
116. Method of carriage of persons
117. Functioning of exits – commercial air transport aeroplanes and public transport aeroplanes and helicopters
118. Marking of exits – commercial air transport aeroplanes and public transport aeroplanes and helicopters
119. Marking of break-in areas
120. Flights over any foreign country

PART 16

121. Minimum navigation performance
122. Height keeping performance – aircraft registered in the United Kingdom
123. Height keeping performance – aircraft registered elsewhere than in the United Kingdom
124. Area navigation and required navigation performance capabilities - aircraft registered in the United Kingdom
125. Area navigation and required navigation performance capabilities - aircraft registered elsewhere than in the United Kingdom

PART 17

126. Towing of gliders
127. Operation of self-sustaining gliders
128. Towing, picking up and raising of persons and articles
129. Dropping of articles and animals
130. Dropping of persons and grant of parachuting permissions
131. Dropping articles for purposes of agriculture etc and grant of aerial application certificates

PART 18

132. Carriage of dangerous goods
133. Carriage of weapons and of munitions of war – requirement for permission and for commander to be informed
134. Prohibition on carrying on board sporting weapons or munitions of war
135. Exceptions concerning carriage of weapons and munitions of war
136. Definitions

PART 19

137. Endangering safety of an aircraft
138. Endangering safety of any person or property
139. Drunkenness in aircraft
140. Smoking in aircraft

Status: This is the original version (as it was originally made).

- 141. Authority of commander of an aircraft
- 142. Acting in a disruptive manner
- 143. Stowaways

PART 20

- 144. Application and interpretation of Part 20
- 145. Fatigue of crew – operator’s responsibilities
- 146. Fatigue of crew – responsibilities of crew
- 147. Flight times – responsibilities of flight crew
- 148. Protection of air crew from cosmic radiation
- 149. Fatigue of crew – EU-OPS operator’s responsibilities

PART 21

- 150. Documents to be carried
- 151. Keeping and production of records of exposure to cosmic radiation
- 152. Use of flight recording systems
- 153. Preservation of records of aeroplane flight data recorder
- 154. Preservation of records of helicopter flight data recorder
- 155. Preservation of records of helicopter cockpit voice recorder/flight data recorder
- 156. Production of documents and records
- 157. Production of air traffic service equipment documents and records
- 158. Power to inspect and copy documents and records
- 159. Preservation of documents, etc.

PART 22

- 160. Rules of the Air
- 161. Power to prohibit or restrict flying
- 162. Flying displays
- 163. Balloons
- 164. Gliders, kites and parascending parachutes
- 165. Airships
- 166. Small unmanned aircraft
- 167. Small unmanned surveillance aircraft
- 168. Rockets

PART 23

- 169. Requirement for an air traffic control approval
- 170. Duty of person in charge to satisfy himself as to competence of controllers
- 171. Manual of air traffic services
- 172. Provision of air traffic services
- 173. Making of an air traffic direction in the interests of safety
- 174. Making of a direction for airspace policy purposes
- 175. Use of radio call signs at aerodromes
- 176. Approval of instrument flight procedures

PART 24

- 177. Prohibition of unlicensed air traffic controllers

178. Prohibition of unlicensed student air traffic controllers
179. Acting as an air traffic controller: exceptions
180. Acting as an air traffic controller and a student air traffic controller
181. Grant of student air traffic controller's licences
182. Grant of air traffic controller's licence
183. Language proficiency: additional requirements
184. Language proficiency: ongoing requirements
185. Particulars of licence
186. Privileges of an air traffic controller's licence and a student air traffic controller's licence
187. On-the-job training instructor endorsement
188. Maintenance of validity of ratings and endorsements
189. Obligation to notify rating ceasing to be valid and change of unit
190. Air navigation service provider: maintenance of records
191. Requirement for medical certificate
192. Incapacity of air traffic controllers
193. Fatigue of air traffic controllers
194. Acting under the influence of drink or a drug
195. Failing exams, assessments or tests
196. Use of simulators
197. Approval of courses, persons and simulators
198. Certification of training providers and mutual recognition of training certificates
199. Certified training provider: production of records
200. Mutual recognition of air traffic controller's licences
201. Definitions relevant to this Part and Schedule 10

PART 25

202. Prohibition of unlicensed flight information service officers
203. Licensing of flight information service officers
204. Flight information service manual

PART 26

205. Air traffic service equipment
206. Air traffic service equipment records

PART 27

207. Requirement to use licensed or Government aerodrome
208. Flights which must use licensed or Government aerodrome
209. Helicopters flying for public transport at night
210. Use of Government aerodromes
211. Licensing of aerodromes
212. Public use licence
213. Charges at aerodromes with a public use licence
214. Use of aerodromes by aircraft of Contracting States and of the Commonwealth
215. Noise and vibration caused by aircraft on aerodromes
216. Customs and Excise aerodromes
217. Aviation fuel at aerodromes

Status: This is the original version (as it was originally made).

PART 28

- 218. Aeronautical lights
- 219. Lighting of en-route obstacles
- 220. Lighting of wind turbine generators in United Kingdom territorial waters
- 221. Lights liable to endanger
- 222. Lights which dazzle or distract

PART 29

- 223. Restriction on carriage for valuable consideration in aircraft registered elsewhere than in the United Kingdom
- 224. Filing and approval of tariffs
- 225. Restriction on aerial photography, aerial survey and aerial work in aircraft registered elsewhere than in the United Kingdom

PART 30

- 226. Mandatory reporting of occurrences
- 227. Mandatory reporting of birdstrikes

PART 31

- 228. Revocation, suspension and variation of certificates, licences and other documents
- 229. Provisional suspension or variation of EASA airworthiness certificates
- 230. Revocation, suspension and variation of permissions, etc. granted under article 223 or article 225
- 231. Prohibitions in relation to documents and records
- 232. CAA's power to prevent aircraft flying
- 233. Power to prevent third-country aircraft taking off
- 234. Notifying competent authority of the detention of a third-country aircraft
- 235. Revocation of article 233 direction when validity of certificate of airworthiness affected
- 236. Secretary of State's power to prevent aircraft flying
- 237. Directions to operators of aircraft to make data available
- 238. Right of access to aerodromes and other places
- 239. Obstruction of persons
- 240. Directions and directives
- 241. Offences and penalties
- 242. Exemption from Order
- 243. Appeal to County Court or Sheriff Court
- 244. Approval of persons to supply reports
- 245. Certificates, authorisations, approvals and permissions
- 246. Competent authority

PART 32

- 247. Extra-territorial effect of the Order
- 248. Aircraft in transit over certain United Kingdom territorial waters
- 249. Application of Order to British-controlled aircraft registered elsewhere than in the United Kingdom

- 250. Application of Order to the Crown
- 251. Application of the Order to visiting forces
- 252. Application of the Order to military aircraft
- 253. Exceptions from application of provisions of the Order for certain classes of aircraft
- 254. Saving

PART 33

- 255. Interpretation
- 256. Meaning of in flight
- 257. Meaning of operator
- 258. Meaning of aerodrome traffic zone
- 259. Meaning of aerial work
- 260. Meaning of public transport

PART 34

- 261. Application of Part
 - 262. Public transport – special rules for hire of aircraft
 - 263. Public transport – special rule for associations of persons
 - 264. Public transport – special rule for groups of companies
 - 265. Public transport and aerial work – exceptions – flying displays
 - 266. Public transport and aerial work – exceptions – charity flights
 - 267. Public transport and aerial work – exceptions – cost sharing
 - 268. Public transport and aerial work – exceptions – recovery of direct costs
 - 269. Public transport and aerial work – exceptions – jointly owned aircraft
 - 270. Public transport and aerial work – exceptions – parachuting
- Signature

SCHEDULE 1 — Revocations

SCHEDULE 2 — A and B Conditions and categories of certificate of airworthiness PART A

SECTION 1

A Conditions

- 1. A non-EASA aircraft registered in the United Kingdom may fly...
- 2. The purposes in the case of an aircraft falling within...
- 3. The purposes in the case of an aircraft falling within...
- 4. The aircraft, including any modifications, must be of a design...
- 5. The aircraft and its engines must be certified as fit...
- 6. The aircraft must carry the minimum flight crew specified in...
- 7. The aircraft must not carry any persons or cargo except...
- 8. For the purpose of this Schedule ‘a previously approved modification’ ...

SECTION 2

B Conditions

1. A non-EASA aircraft may fly for a purpose set out...
2. The purposes referred to in paragraph 1 are—
3. The flight must be operated by a person approved by...
4. If not registered in the United Kingdom—
5. No person may act as pilot in command of the...
6. The aircraft must not carry any cargo, or any persons...

PART B

SCHEDULE 3 — Classification and marking of aircraft and dealer certification

PART 1 — Classification of aircraft

PART 2 — Conditions in aircraft dealer's certificate

1. The operator of the aircraft must be the registered owner...
2. The aircraft may fly only for the purpose of—
3. Without prejudice to article 86 the operator of the aircraft...
4. The aircraft may fly only within the United Kingdom.

PART 3 — Nationality and registration marks of aircraft registered in the United Kingdom

1. General
2. Position and size of marks – heavier than air aircraft
3. Position and size of marks – airships and free balloons
4. Width, spacing and thickness of marks

SCHEDULE 4 — Aircraft equipment

1. (1) Every aircraft of a description specified in the first...
2. (1) For the purposes of the Table in paragraph 4...
3. The following items of equipment are not required to be...
4. Table Description of Aircraft Circumstances of Flight Scale of Equipment...
5. The scales of equipment indicated in the Table at paragraph...

SCHEDULE 5 — Radio communication and radio navigation equipment to be carried in aircraft

1. Subject to paragraph 2, every aircraft which must carry equipment...
2. (1) In the case of sub-paragraphs (1), (2), (3), (4),...
3. Table Aircraft and Circumstances of Flight Scale of Equipment Required...
4. The scales of radio communication and radio navigation equipment indicated...
5. In this Schedule— (a) “Airborne collision avoidance system” means an...

SCHEDULE 6 — Aircraft, engine and propeller log books

1. Aircraft log book
2. Entries are not required to be made under paragraphs 1(e),...
3. Engine log book
4. Variable pitch propeller log book

SCHEDULE 7 — Flight crew of aircraft – licences, ratings, qualifications and maintenance of licence privileges

PART A — Flight crew licences

SECTION 1

United Kingdom Licences

SUB-SECTION 1

Aeroplane pilots

Private Pilot's Licence (Aeroplanes)
Basic Commercial Pilot's Licence (Aeroplanes)
Commercial Pilot's Licence (Aeroplanes)
Airline Transport Pilot's Licence (Aeroplanes)

SUB-SECTION 2

Helicopter and gyroplane pilots

Private Pilot's Licence (Helicopters)
Private Pilot's Licence (Gyroplanes)
Commercial Pilot's Licence (Helicopters and Gyroplanes)
Airline Transport Pilot's Licence (Helicopters and Gyroplanes)

SUB-SECTION 3

Balloon and airship pilots

Private Pilot's Licence (Balloons and Airships)
Commercial Pilot's Licence (Balloons)
Commercial Pilot's Licence (Airships)

SUB-SECTION 4

Glider pilots

Commercial Pilot's Licence (Gliders)

SUB-SECTION 5

Other flight crew

Flight Navigator's Licence
Flight Engineer's Licence
Flight Radiotelephony Operator's Licence

SECTION 2

JAR-FCL Licences

SUB-SECTION 1

Aeroplane pilots

Private Pilot Licence (Aeroplane)
Commercial Pilot Licence (Aeroplane)
Multi-Crew Pilot Licence (Aeroplane)
Airline Transport Pilot Licence (Aeroplane)

Status: This is the original version (as it was originally made).

SUB-SECTION 2

Helicopter pilots

Private Pilot Licence (Helicopter)
Commercial Pilot Licence (Helicopter)
Airline Transport Pilot Licence (Helicopter)

SECTION 3

National Private Pilot's Licence (Aeroplanes)

National Private Pilot's Licence (Aeroplanes)
PART B — Ratings and qualifications

SECTION 1

Ratings and qualifications which may be included in United Kingdom Licences and JAR-FCL Licences but not in National Private Pilot's Licences (Aeroplanes)

SUB-SECTION 1

Aircraft ratings

1. An aircraft rating may be included in a United Kingdom...
2. When included in a pilot licence an aircraft rating entitles...
3. When included in a Flight Engineer's Licence an aircraft rating...

SUB-SECTION 2

Other ratings

4. Subject to article 82(2), the following ratings and qualifications may...
5. For the purposes of this Section— "Day" means the time...

SECTION 2

Aircraft and instructor ratings which may be included in United Kingdom Licences, JAR-FCL Licences and National Private Pilot's Licences (Aeroplanes)

1. The following ratings may be included in a United Kingdom...
 2. For the purposes of this Section, "solo flight" and "cross-country..."
- PART C — Maintenance of licence privileges

SECTION 1

Requirement for Certificate of Test or Experience

1. Appropriateness of certificate
2. Certificate of test
3. Nature of test
4. Period of validity of certificate of test
5. Certificate of experience
6. Period of experience
7. Period of validity of certificate of experience

SECTION 2

Requirement for Certificate of Revalidation

8. Appropriate certificate of revalidation
9. Type and class ratings
10. Forms of certificate of revalidation

SECTION 3

Requirement for a Certificate of Revalidation to maintain the validity of a rating specified in Section 2 of Part B

11. (1) A certificate of revalidation required by article 69(1) for...
12. (1) A certificate of revalidation required by article 69(1) for...

SCHEDULE 8 — Public transport – operational requirements

PART A — Information and instructions which must be included in an operations manual

1. Information and instructions relating to the following matters must be...
2. In relation to any flight which is not one of...

PART B — Information and instructions which must be included in a training manual

1. The following information and instructions must be included in a...

PART C — Required crew training, experience, practice and periodical tests

1. Crew
2. Pilots
3. Flight engineers
4. Flight radiotelephony operators and flight navigators
5. Aircraft commanders
6. Deemed compliance
7. Contents of records
8. Production of records to authorised person
9. Supply of records to crew member
10. Definitions and validity periods

SCHEDULE 9 — Documents to be carried

1. Circumstances in which documents are to be carried
2. Description of documents
3. Exceptions
4. Definition

SCHEDULE 10 — Air Traffic Controllers – Licences, Ratings, Endorsements And Maintenance Of Licence Privileges

PART A — Air Traffic Controller Licences

1. Air Traffic Controller's Licence
2. Student Air Traffic Controller's Licence

PART B — Ratings, Rating Endorsements and Licence Endorsements

1. Inclusion of ratings, rating endorsements and licence endorsements
2. Exercise of more than one function
3. Ratings and Rating Endorsements
4. Licence Endorsements

Status: This is the original version (as it was originally made).

SCHEDULE 11 — Air traffic service equipment - records required and matters to which the CAA may have regard

PART A — Records to be kept in accordance with article 206(1)(a)

1. A record of any functional tests, flight checks and detailed...
2. Subject to paragraph 3, the record must be kept in...
3. In any particular case the CAA may direct that the...

PART B — Records required in accordance with article 206(5)(b)

4. Each record made by the apparatus provided in compliance with...

PART C — Matters to which the CAA may have regard in granting an approval of apparatus in accordance with article 206(6)

1. The purpose for which the apparatus is to be used...
2. The manner in which the apparatus has been specified and...
3. The adequacy, in relation to the purpose for which the...
4. The manner in which the apparatus has been or will...
5. The manner in which the apparatus has been or will...

SCHEDULE 12 — Information and instructions which must be included in an aerodrome manual

1. The name and status of the accountable manager having corporate...
2. The names and status of other senior aerodrome operating staff...
3. Details of the safety management system.
4. The system of aeronautical information service available.
5. Procedures for promulgating information concerning the aerodrome's state.
6. Procedures for the control of access, vehicles and work in...
7. Procedures for complying with article 226 and for the removal...
8. In the case of an aerodrome which has facilities for...
9. (1) Subject to sub-paragraph (2), plans to an appropriate scale...
10. For an aerodrome in relation to which there is a...
11. Description, height and location of obstacles which infringe standard obstacle...
12. Data for and method of calculation of declared distances and...
13. Method of calculating reduced declared distances and the procedure for...
14. Details of surfaces and bearing strengths of runways, taxiways and...
15. The system of the management of air traffic in the...
16. Operational procedures for the routine and special inspection of the...
17. If operations are permitted during periods of low visibility, procedures...
18. Procedures for the safe integration of all aviation activities undertaken...
19. Details of or reference to the bird control management plan...
20. Procedures for the use and inspection of the aeronautical ground...
21. The scale of rescue, first aid and fire service facilities,...

SCHEDULE 13 — Penalties

PART A — Provisions referred to in article 241(5)

SECTION 1

SECTION 2

SECTION 3

PART B — Provisions referred to in article 241(6)

SECTION 1

SECTION 2

SECTION 3

PART C — Provisions referred to in article 241(7)

SECTION 1

SECTION 2

SECTION 3

PART D — Provisions referred to in article 241(8)

SCHEDULE 14 — Parts of straits specified in connection with the flight of aircraft in transit over United Kingdom territorial waters

1. The parts of straits specified in paragraph 2 are specified...
2. (1) In the Straits of Dover, the territorial waters adjacent...

Explanatory Note