CIVIL AVIATION AUTHORITY

Decree of the Chairman of the Qatar Civil Aviation Authority

Number (12) for the year 2017

Issue Regulations concerning the Formal Technical Requirements and Administrative Procedures Relating to Air Traffic Controllers Licences and Certificates

The Chairman of the Qatar Civil Aviation Authority (QCAA) In consideration of;
Law No (15) of 2002 and its subsequent amendments; and

Emiri Decree No (45) of 2014 on Organisation of the Civil Aviation Authority (CAA)

Has decided as follows;

Article (1)

The Regulations (007/2017) annexed to this Decree shall be enforced with regard to the Formal Technical Requirements and Administrative Procedures relating to: Air Traffic Controllers Licences and Certificates

Article (2)

The Regulations (007/2017) annexed to this Decree shall supersede the provisions in Qatar Civil Aviation Regulation ATCL of 1st December 2012 except where otherwise stated within Qatar Civil Aviation Regulation (007/2017).

Article (3)

All competent authorities, each within their own jurisdiction, shall implement this Decree, which shall take effect from 1st May 2017.

ABDULLA NASSER TURKI AL SUBAEPY
CHAIRMAN

Issued on: 1st May 2017
Qatar Civil Aviation Regulations

No. 007 of 2017

Air Traffic Controller Licensing
Table of Contents

QATAR CIVIL AVIATION REGULATION No. 007/2017 ................................................................. 1
laying down technical requirements and administrative procedures relating to air traffic controllers' licences
and certificates pursuant to Law No 15 of 2002 on Civil Aviation ........................................... 1

HAS PROMULGATED THIS REGULATION: ........................................................................ 1
Article 1 Subject matter and scope .................................................................................. 1
Article 2 Compliance with requirements and procedures .................................................. 2
Article 3 Provision of air traffic control services .............................................................. 2
Article 4 Definitions ........................................................................................................ 2
Article 5 Authority ........................................................................................................... 4
Article 6 Existing air traffic controller's licences ............................................................... 4
Article 7 Existing certificates ............................................................................................ 5
Article 8 Adaptation of management systems, unit competence schemes and training courses ......................................................................................................................... 5

ANNEX I - PART ATCO - REQUIREMENTS FOR THE LICENSING OF AIR TRAFFIC CONTROLLERS...... 6

SUBPART A GENERAL REQUIREMENTS .......................................................................... 6
ATCO.A.001 Scope ........................................................................................................... 6
ATCO.A.005 Application for the issue of licences, ratings and endorsements ....................... 6
ATCO.A.010 Exchange of licences .................................................................................. 6
ATCO.A.015 Exercise of the privileges of licences and provisional inability ........................ 6
ATCO.A.020 Revocation and suspension of licences, ratings and endorsements ................. 7

SUBPART B LICENCES, RATINGS AND ENDORSEMENTS ...................................................... 8
ATCO.B.001 Student air traffic controller licence ................................................................. 8
ATCO.B.005 Air traffic controller licence .......................................................................... 8
ATCO.B.010 Air traffic controller ratings .......................................................................... 9
ATCO.B.015 Rating endorsements ................................................................................... 9
ATCO.B.020 Unit endorsements ....................................................................................... 10
ATCO.B.025 Unit competence scheme ............................................................................. 10
ATCO.B.030 Language proficiency endorsement ............................................................ 11
ATCO.B.035 Validity of language proficiency endorsement ............................................ 12
ATCO.B.040 Assessment of language proficiency ............................................................... 13
ATCO.B.045 Language training ........................................................................................ 13

SUBPART C REQUIREMENTS FOR INSTRUCTORS AND ASSESSORS .................................. 14

SECTION 1 Instructors ..................................................................................................... 14
ATCO.C.001 Theoretical instructors .................................................................................. 14
ATCO.C.005 Practical instructors .................................................................................... 14
ATCO.C.010 On-the-job training instructor (OJTI) privileges ........................................... 14
ATCO.C.015 Application for on-the-job training instructor endorsement ......................... 14
ATCO.C.020 Validity of on-the-job training instructor endorsement ................................ 14
ATCO.C.025 Temporary OJTI authorisation .................................................................... 15
ATCO.C.030 Synthetic training device instructor (STDI) privileges .................................... 15
ATCO.C.035 Application for synthetic training device instructor endorsement .............. 15
ATCO.C.040 Validity of synthetic training device instructor endorsement ....................... 15

SECTION 2 Assessors ....................................................................................................... 17
ATCO.C.045 Assessor privileges ..................................................................................... 17
ATCO.C.050 Vested interests ......................................................................................... 17
ATCO.C.055 Application for assessor endorsement ........................................................ 17
ATCO.C.060 Validity of assessor endorsement ................................................................ 17
ATCO.C.065 Temporary assessor authorisation ................................................................. 18

SUBPART D AIR TRAFFIC CONTROLLER TRAINING ..................................................... 18

SECTION 1 General requirements .................................................................................... 19
ATCO.D.001 Objectives of air traffic controller training ................................................... 19
ATCO.D.005 Types of air traffic controller training ........................................................... 19

SECTION 2 Initial training requirements ........................................................................... 20
ATCO.D.010 Composition of initial training ................................................................. 20
ATCO.D.015 Initial training plan ....................................................................................... 20
ATCO.D.020 Basic and rating training courses .......................................................... 21
ATCO.D.025 Basic training examinations and assessment ........................................ 21
ATCO.D.030 Basic training performance objectives ............................................... 21
ATCO.D.035 Rating training examinations and assessment ..................................... 21
ATCO.D.040 Rating training performance objectives ............................................. 22
SECTION 3 Unit training requirements ................................................................. 23
ATCO.D.045 Composition of unit training ............................................................ 23
ATCO.D.050 Prerequisites of unit training ............................................................ 23
ATCO.D.055 Unit training plan ............................................................................. 23
ATCO.D.060 Unit endorsement course .................................................................. 25
ATCO.D.065 Demonstration of theoretical knowledge and understanding ............ 25
ATCO.D.070 Assessments during unit endorsement courses ................................ 25
SECTION 4 Continuation training requirements ............................................... 26
ATCO.D.075 Continuation training ........................................................................ 26
ATCO.D.080 Refresher training ............................................................................ 26
ATCO.D.085 Conversion training ........................................................................... 26
SECTION 5 Training of instructors and assessors ........................................... 27
ATCO.D.090 Training of practical instructors ....................................................... 27
ATCO.D.095 Training of assessors ....................................................................... 27
Appendix 1 of Annex I ......................................................................................... 27
LANGUAGE PROFICIENCY RATING SCALE - REQUIREMENTS FOR PROFICIENCY IN LANGUAGES . 28
Appendix 2 of Annex I ......................................................................................... 30
BASIC TRAINING ............................................................................................... 30
Appendix 3 of Annex I ......................................................................................... 39
AERODROME CONTROL VISUAL RATING (ADV) ......................................... 39
Appendix 4 of Annex I ......................................................................................... 45
AERODROME CONTROL INSTRUMENT RATING FOR TOWER ADI (TWR) .... 45
Appendix 5 of Annex I ......................................................................................... 52
APPROACH CONTROL PROCEDURAL RATING (APP) ................................. 52
Appendix 6 of Annex I ......................................................................................... 58
AREA CONTROL PROCEDURAL RATING (ACP) ............................................ 58
Appendix 7 of Annex I ......................................................................................... 64
AREA CONTROL SURVEILLANCE RATING (APS) ........................................... 64
Appendix 8 of Annex I ......................................................................................... 71
AREA CONTROL SURVEILLANCE RATING (ACS) .......................................... 71
ANNEX II PART ATCO.AR REQUIREMENTS FOR THE COMPETENT AUTHORITY .... 77
SUBPART A GENERAL REQUIREMENTS ......................................................... 77
ATCO.AR.A.001 Scope ......................................................................................... 77
ATCO.AR.A.005 Personnel .................................................................................. 77
ATCO.AR.A.010 Tasks of the authority ................................................................. 78
ATCO.AR.A.015 Means of compliance ................................................................. 78
ATCO.AR.A.020 Information to the authority ...................................................... 79
ATCO.AR.A.025 Immediate reaction to a safety problem .................................... 79
SUBPART B MANAGEMENT ............................................................................. 80
ATCO.AR.B.001 Management system ................................................................. 80
ATCO.AR.B.005 Allocation of tasks to qualified entities ...................................... 80
ATCO.AR.B.010 Changes to the management system ......................................... 81
ATCO.AR.B.015 Record keeping ........................................................................ 81
SUBPART C - OVERSIGHT AND ENFORCEMENT ........................................ 82
ATCO.AR.C.001 Oversight .................................................................................. 82
ATCO.AR.C.005 Oversight programme ............................................................... 82
ATCO.AR.C.010 Findings and enforcement measures for personnel..................... 83
SUBPART D - ISSUE, REVALIDATION, RENEWAL, SUSPENSION AND REVOCATION OF LICENCES, RATINGS AND ENDORSEMENTS ................................................................. 84
ATCO.AR.D.001 Procedure for the issue, revalidation and renewal of licences, ratings, endorsements and authorisations ................................................................. 84
ATCO.AR.D.005 Revocation and suspension of licences, ratings and endorsements ................................................................. 84
SUBPART E - CERTIFICATION PROCEDURE FOR AIR TRAFFIC CONTROLLER TRAINING
ORGANISATIONS AND APPROVAL OF TRAINING COURSES.......................................................... 85
ATCO.ARE.001 Application and certification procedure for training organisations .................. 85
ATCO.ARE.005 Approval of training courses and training plans ............................................. 85
ATCO.ARE.010 Changes to the training organisations ............................................................ 85
ATCO.ARE.015 Findings and corrective actions ..................................................................... 85
SUBPART F - SPECIFIC REQUIREMENTS RELATING TO AERO-MEDICAL CERTIFICATION 87
SECTION 1 General requirements ......................................................................................... 87
ATCO.ARF.001 Aero-medical centres and aero-medical certification .................................... 87
ARA.MED.120 Medical assessors, .......................................................................................... 87
ARA.MED.125 Referral to the licensing authority ................................................................. 87
ARA.MED.150 Record keeping, ............................................................................................. 87
ARA.MED.200 Procedure for the issue, revalidation, renewal or change of an AME certificate, 87
ARA.MED.245 Continuing oversight, .................................................................................... 87
ARA.MED.250 Limitation, suspension or revocation of an AME certificate, .......................... 87
ARA.MED.255 Enforcement measures, .................................................................................. 87
ARA.MED.315 Review of examination reports, and ............................................................. 87
ARA.MED.325 Review procedure ......................................................................................... 87
SECTION 2 Documentation .................................................................................................... 88
ATCO.ARF.005 Medical certificate ......................................................................................... 88
ATCO.ARF.010 AME certificate ............................................................................................ 88
ATCO.ARF.015 AeMC certificate .......................................................................................... 88
ATCO.ARF.020 Aero-medical forms ...................................................................................... 88
Appendix 1 of Annex II Format for licence ......................................................................... 89
AIR TRAFFIC CONTROLLER LICENCE .............................................................................. 89
Abbreviations ....................................................................................................................... 95
Appendix 2 of Annex II ......................................................................................................... 97
Appendix 3 of Annex II ......................................................................................................... 100
Appendix 4 of Annex II ......................................................................................................... 102
ANNEX III PART ATCO.OR ................................................................................................. 103
SUBPART A GENERAL REQUIREMENTS ........................................................................... 103
ATCO.OR.A.001 Scope ........................................................................................................ 103
SUBPART B REQUIREMENTS FOR AIR TRAFFIC CONTROLLER TRAINING ORGANISATIONS........... 104
ATCO.OR.B.001 Application for a training organisation certificate ........................................ 104
ATCO.OR.B.005 Means of compliance ................................................................................. 104
ATCO.OR.B.010 Terms of approval and privileges of a training organisation certificate ......... 104
ATCO.OR.B.015 Changes to the training organisation ......................................................... 105
ATCO.OR.B.020 Continued validity ..................................................................................... 105
ATCO.OR.B.025 Access to training organisations’ facilities and data ................................. 105
ATCO.OR.B.030 Findings .................................................................................................... 105
ATCO.OR.B.035 Immediate reaction to a safety problem ................................................... 105
ATCO.OR.B.040 Occurrence reporting ................................................................................ 106
SUBPART C MANAGEMENT OF AIR TRAFFIC CONTROLLER TRAINING ORGANISATIONS .......... 107
ATCO.OR.C.001 Management system of training organisations ...................................... 107
ATCO.OR.C.005 Contracted activities ................................................................................ 107
ATCO.OR.C.010 Personnel requirements ........................................................................... 107
ATCO.OR.C.015 Facilities and equipment .......................................................................... 108
ATCO.OR.C.020 Record keeping ......................................................................................... 108
ATCO.OR.C.025 Funding and insurances .......................................................................... 108
SUBPART D REQUIREMENTS FOR TRAINING COURSES AND TRAINING PLANS .................. 109
ATCO.OR.D.001 Requirements for training courses and training plans ............................... 109
ATCO.OR.D.005 Examination and assessment results and certificates ............................... 109
SUBPART E REQUIREMENTS FOR AERO-MEDICAL CENTRES ........................................ 110
ATCO.OR.E.001 Aero-medical centres ............................................................................... 110
ANNEX IV - PART ATCO.MED - MEDICAL REQUIREMENTS FOR AIR TRAFFIC CONTROLLERS .... 111
SUBPART A - GENERAL REQUIREMENTS ....................................................................... 111
SECTION 1 General ............................................................................................................ 111
ATCO.MED.A.005 Scope .................................................................................................... 111
ATCO.MED.A.010 Definitions ............................................................................................ 111
ATCO.MED.A.015 Medical confidentiality .......................... 111
ATCO.MED.A.020 Decrease in medical fitness.......................... 112
ATCO.MED.A.025 Obligations of AeMC and AME .................. 112
SECTION 2 Requirements for medical certificates ................. 114
ATCO.MED.A.030 Medical certificates................................. 114
ATCO.MED.A.035 Application for a medical certificate .......... 114
ATCO.MED.A.040 Issue, revalidation and renewal of medical certificates .................................................. 114
ATCO.MED.A.045 Validity, revalidation and renewal of medical certificates .................................................. 114
ATCO.MED.A.046 Suspension or revocation of a medical certificate .................................................. 115
ATCO.MED.A.050 Referral................................................. 115
SUBPART B - REQUIREMENTS FOR AIR TRAFFIC CONTROLLER MEDICAL CERTIFICATES .......... 116
SECTION 1 General......................................................... 116
ATCO.MED.B.001 Limitations to medical certificates .................. 116
SECTION 2 Medical requirements for class 3 medical certificates .................................................. 117
ATCO.MED.B.005 General.................................................. 117
ATCO.MED.B.010 Cardiovascular system .................................. 117
ATCO.MED.B.015 Respiratory system .................................. 119
ATCO.MED.B.020 Digestive system .................................. 120
ATCO.MED.B.025 Metabolic and endocrine systems .................................................. 120
ATCO.MED.B.030 Haematology ........................................... 120
ATCO.MED.B.035 Genitourinary system .................................. 121
ATCO.MED.B.040 Infectious disease .................................. 121
ATCO.MED.B.045 Obstetrics and gynaecology .................................................. 121
ATCO.MED.B.050 Musculoskeletal system .................................. 122
ATCO.MED.B.055 Psychiatry ............................................ 122
ATCO.MED.B.060 Psychology ............................................ 122
ATCO.MED.B.065 Neurology ............................................ 122
ATCO.MED.B.070 Visual system ............................................ 123
ATCO.MED.B.075 Colour vision ............................................ 124
ATCO.MED.B.080 Otorhinolaryngology ............................................ 124
ATCO.MED.B.085 Dermatology ............................................ 125
ATCO.MED.B.090 Oncology ............................................ 125
SUBPART C - AERO-MEDICAL EXAMINERS (AMEs) .................................................. 126
ATCO.MED.C.001 Privileges ............................................ 126
ATCO.MED.C.005 Application ............................................ 126
ATCO.MED.C.010 Requirements for the issue of an AME certificate .................................................. 126
ATCO.MED.C.015 Training courses in aviation medicine .................................................. 126
ATCO.MED.C.020 Changes to the AME certificate ............................................ 127
ATCO.MED.C.025 Validity of AME certificates .................................................. 127
QATAR CIVIL AVIATION REGULATION No. 007/2017

laying down technical requirements and administrative procedures relating to air traffic controllers’ licences and certificates pursuant to Law No 15 of 2002 on Civil Aviation

THE QATAR CIVIL AVIATION AUTHORITY,
Pursuant to the General Provisions of Emiri Decree No. 45 of 2014 organising the Qatar Civil Aviation Authority and Law No. 15 of 2002 (hereinafter referred to as ‘the Civil Aviation Law’) on the regulation of civil aviation in the State of Qatar,

Having regard to Article 17 of Emiri Decree 45 of 2014 defining the functions and responsibilities of the Air Safety Department,

Whereas:

(1) The Civil Aviation Authority (hereinafter referred to as the ‘Authority’) is the competent authority having exclusive jurisdiction over civil aviation and civil aerodromes in the State of Qatar, and being empowered to prescribe and promulgate rules, regulations and orders for the discharge of its functions.

(2) Pursuant to the Civil Aviation Law the Authority is empowered to issue the necessary rules, regulations and directives for establishing the conditions for certifying or licensing, air traffic controllers, as well as persons involved in their training, testing or checking, and for the assessment of their medical fitness.

(3) Air traffic controllers and persons and organisations involved in their training, testing, checking and medical examination and assessment must comply with essential requirements set out in the applicable regulations. In particular, they are to be certified or licensed once they have demonstrated compliance with such requirements.

(4) The provision of air navigation services requires highly skilled personnel and in particular air traffic controllers, whose competence is demonstrated by a licence, issued on the basis of the detailed requirements set out in this Regulation.

(5) The authorities performing supervision and verification of compliance under this Regulation should be sufficiently independent from air traffic controllers when issuing licences or extending the validity of the endorsements, when suspending or revoking licences, ratings, endorsements or certificates in cases where the conditions for their issue are no longer met.

(6) Poor communication is often a significant contributing factor in incidents and accidents. Therefore, detailed language proficiency requirements for air traffic controllers should be laid down. Those requirements are based on the requirements adopted by the International Civil Aviation Organization (ICAO) and provide a means of enforcing these internationally accepted standards.

(7) The certification of training organisations is one of the essential factors contributing to the quality of air traffic controller training and thus to the safe provision of air traffic control.

HAS PROMULGATED THIS REGULATION:

Article 1  Subject matter and scope

1. This Regulation lays down detailed rules for:

(a) the conditions for issuing, suspending and revoking air traffic controllers and student air traffic controllers’ licences, associated ratings and endorsements, and the privileges and responsibilities of those holding them;

(b) the conditions for issuing, limiting, suspending and revoking air traffic controllers and student air traffic controllers’ medical certificates, and the privileges and responsibilities of those holding them;

(c) the certification of aero-medical examiners and aero-medical centres for air traffic controllers and student air traffic controllers;

(d) the certification of air traffic controller training organisations;

(e) the conditions for validating, re-validating, renewing and using such licences, ratings, endorsements and certificates.

2. This Regulation shall apply to:

(a) student air traffic controllers and air traffic controllers exercising their functions within the airspace of Qatar;
(b) persons and organisations involved in the licensing, training, testing, checking and medical examination and assessment of applicants in accordance with this Regulation.

Article 2 Compliance with requirements and procedures

1. The Student air traffic controllers, the air traffic controllers and the persons involved in the licensing, training, testing, checking and medical examination and assessment of applicants referred to in Article 1(2)(a) and (b) shall be qualified and licensed in accordance with the provisions of Annexes I, III and IV by the authority referred to in Article 5.

2. The Organisations referred to in Article 1(2)(b) shall be qualified in accordance with the technical requirements and administrative procedures laid down in Annexes I, III and IV and shall be certified by the authority referred to in Article 5.

3. The medical certification of the persons referred to in Article 1(2)(a) and (b) shall be compliant with the technical requirements and administrative procedures laid down in Annexes III and IV.

4. Air traffic controllers employed by air navigation service providers providing air traffic services in the airspace of Qatar and having their principal place of operations and their registered office, if any, located outside the territory of Qatar, shall be deemed to have been licenced in accordance with paragraph 1, where they meet both of the following conditions:

   (a) they hold an air traffic controller licence issued by another authority in accordance with Annex 1 to the Chicago Convention;

   (b) they have demonstrated to the authority of Qatar that they have received training and successfully passed examinations and assessments equivalent to those required by Part ATCO, Subpart D, Sections 1-4, set out in Annex I.

The tasks and functions assigned to the air traffic controllers referred to in the first subparagraph shall not exceed the privileges of the licence issued by the authority.

Article 3 Provision of air traffic control services

1. Air traffic control services in the airspace of Qatar shall only be provided by air traffic controllers qualified and licensed in accordance with this Regulation.

2. Pursuant to the Civil Aviation Law, the State of Qatar shall, as far as practicable, ensure that services provided or made available by military personnel to the public offer a level of safety that is at least equivalent to the level required by this Regulation.

3. The authority may apply this Regulation to the military personnel providing services to the public.

Article 4 Definitions

For the purposes of this Regulation, the following definitions shall apply:

(1) ‘abnormal situation’ means circumstances, including degraded situations, which are neither routinely nor commonly experienced and for which an air traffic controller has not developed automatic skills;

(2) ‘acceptable means of compliance (AMC)’ means standards adopted by the authority to illustrate means by which to establish compliance with this Regulation;

(3) ‘air traffic control (ATC) service’ means a service provided for the purpose of:

   (a) preventing collisions:

      - between aircraft, and

   (b) expediting and maintaining an orderly flow of air traffic;

(4) ‘air traffic control (ATC) unit’ means a generic term meaning variously, area control centre, approach control unit or aerodrome control tower;

(5) ‘alternative means of compliance’ means an alternative to an existing AMC or a new means to establish compliance with this Regulation for which no associated AMC have been adopted by the authority;
‘assessment’ means an evaluation of the practical skills leading to the issue of the licence, rating and/or endorsement(s) and their re-validation and/or renewal, including behaviour and the practical application of knowledge and understanding being demonstrated by the person being assessed;

‘assessor endorsement’ means the authorisation entered on and forming part of the licence, indicating the competence of the holder to assess the practical skills of student air traffic controller and air traffic controller;

‘critical incident stress’ means the manifestation of unusual and/or extreme emotional, physical and/or behavioural reactions in an individual following an unexpected event, an accident, an incident or serious incident;

‘emergency situation’ means a serious and dangerous situation requiring immediate actions;

‘examination’ means a formalised test evaluating the person's knowledge and understanding;

‘guidance material (GM)’ means non-binding material developed by the authority that helps to illustrate the meaning of a requirement or specification and is used to support the interpretation of this Regulation;

‘ICAO location indicator’ means the four-letter code group formulated in accordance with the rules prescribed by ICAO in its manual ‘DOC 7910’ in its latest updated version and assigned to the location of an aeronautical fixed station;

‘language proficiency endorsement’ means the statement entered on and forming part of a licence, indicating the language proficiency of the holder;

‘licence’ means a document issued and endorsed in accordance with this Regulation and entitling its lawful holder to exercise the privileges of the ratings and endorsements contained therein;

‘on-the-job training instruction’ means the phase of unit training during which previously acquired job-related routines and skills are integrated in practice under the supervision of a qualified on-the-job training instructor in a live traffic situation;

‘on-the-job training instructor (OJTI) endorsement’ means the authorisation entered on and forming part of a licence, indicating the competence of the holder to give on-the-job training instruction and instruction on synthetic training devices;

‘part-task trainer (PTT)’ means a synthetic training device to provide training for specific and selected operational tasks without requiring the learner to practise all of the tasks which are normally associated with a fully operational environment;

‘performance objective’ means a clear and unambiguous statement of the performance expected of the person undertaking the training, the conditions under which the performance takes place and the standards that the person undertaking training should meet;

‘provisional inability’ means a temporary state in which the licence holder is prevented from exercising the privileges of the licence when ratings, endorsements and his/her medical certificate are valid;

‘psychoactive substance’ means alcohol, opioids, cannabinoids, sedatives and hypnotics, cocaine, other psychostimulants, hallucinogens, and volatile solvents, whereas caffeine and tobacco are excluded;

‘rating endorsement’ means the authorisation entered on and forming part of a licence, indicating the specific conditions, privileges or limitations pertaining to the relevant rating;

‘renewal’ means the administrative act taken after a rating, endorsement or certificate has expired that renew the privileges of the rating, endorsement or certificate for a further specified period subject to the fulfilment of specified requirements;

‘revalidation’ means the administrative act taken within the period of validity of a rating, endorsement or certificate that allows the holder to continue to exercise the privileges of a rating, endorsement or certificate for a further specified period subject to the fulfilment of specified requirements;

‘sector’ means a part of a control area and/or part of a flight information region or upper region;

‘simulator’ means a synthetic training device that presents the important features of the real operational environment and reproduces the operational conditions under which the person undertaking training can practice real-time tasks directly;
(26) ‘synthetic training device’ means any type of device by which operational conditions are simulated, including simulators and part-task trainers;

(27) ‘synthetic training device instructor (STDI) endorsement’ means the authorisation entered on and forming part of a licence, indicating the competence of the holder to give instruction on synthetic training devices;

(28) ‘training course’ means theoretical and/or practical instruction developed within a structured framework and delivered within a defined duration;

(29) ‘training organisation’ means an organisation which has been certified by the authority to provide one or more types of training;

(30) ‘unit endorsement’ means the authorisation entered on and forming part of a licence, indicating the ICAO location indicator and the sector, group of sectors or working positions where the licence holder is competent to work;

(31) ‘validation’ means a process by which, through the successful completion of a unit endorsement course associated to a rating or a rating endorsement, the holder may start exercising the privileges of that rating or rating endorsement.

Article 5 Authority

1. The authority with allocated responsibilities for the certification and oversight of persons and organisations subject to Annexes I, III and IV of this Regulation is the Civil Aviation Authority of Qatar, (hereinafter referred to as the "authority").

2. In the case of cross-border service provision in the airspace of Qatar the authority subject to Annexes I, III and IV of this Regulation shall be designated by agreement between the State of Qatar and the State concerned. The areas of competence of that authority shall be clearly defined in terms of responsibilities and geographical area, where appropriate. Coordination shall be established between the two States to ensure effective oversight of all persons and organisations subject to this Regulation within their respective remits.

3. The authority shall be independent from air navigation service providers and training organisations. This independence shall be achieved through adequate separation, at least at functional level, of the authority on the one hand and air navigation service providers and the training organisations on the other hand. The authority shall exercise its powers impartially and transparently.

4. The authority shall have the necessary capability to conduct the certification and oversight activities covered by its certification and oversight programme, including sufficient resources to fulfill the requirements of Annex II (Part ATCO.AR). In particular, the authority shall conduct assessments in accordance with ATCO.AR.A.005(a) of Annex II in order to demonstrate its capability.

5. The authority shall ensure that the personnel that carries out the oversight and certification activities under this Regulation has no direct or indirect conflict of interest, in particular relating to family or financial interests of the personnel concerned.

Article 6 Existing air traffic controller’s licences

1. Air traffic controller's licences issued according to QCAR-ATCL, including any associated ratings, privileges of examiners and assessors, authorisations and/or qualifications issued or recognised by the authority before the applicability of this Regulation shall be reviewed and aligned with the provisions of Annex I of this Regulation based on the elements laid down in a credit report.

2. The credit report shall:

(a) be established by the air navigation service provider in consultation with the authority;

(b) describe the scope of the privileges that were given to the air traffic controller, the unit competence scheme, unit training plans, examinations and competency assessments based on which the privileges were issued;

(c) indicate for which requirements in Annex I of this Regulation credit is to be given;

(d) indicate any limitations that need to be included on the new air traffic controller’s licence and any requirements the air traffic controller has to comply with in order to remove those limitations.

3. The credit report shall include copies of all documents necessary to demonstrate the elements set out in points (a) to (d) of paragraph 2, including copies of the relevant training procedures. When approving the
credit reports, the authority shall aim at allowing air traffic controllers to, as far as possible, maintain their current scope of activities.

4. The authority shall issue the new air traffic controller’s licences based on the approved credit reports and in compliance with the format laid down in Appendix 1 of Annex II to this Regulation by 15 Nov 2017.

**Article 7 Existing certificates**

1. Air traffic controller’s medical certificates, aero-medical examiners’ certificates and aero-medical centres’ certificates issued according to QCAR-ATCL or recognised by the authority before this Regulation applies shall be deemed to have been issued or recognised in accordance with this Regulation.

2. The authority shall replace the air traffic controller’s medical certificates, the aero-medical examiners’ certificates and the aero-medical centre’s approvals or certificates issued before the entry into force of this Regulation with certificates complying with the formats laid down in Annex II of this Regulation by 01 Jul 2018.

**Article 8 Adaptation of management systems, unit competence schemes and training courses**

1. The air traffic service provider shall adapt its unit competence schemes to comply with the requirements of this Regulations by 01 Mar 2018.

2. The air traffic service provider’s training organisation shall adapt its management system, the unit training courses and training plans to comply with the requirements of Annex III of this Regulation by 01 Jun 2018.

3. The authority shall issue the certificate to the air traffic service provider’s training organisation in compliance with Annex III and according to the format laid down in Appendix 2 of Annex II to this Regulation by 01 Jul 2018.

4. Aero-medical centres shall adapt their management system, training programmes, procedures and manuals to be compliant with Annex IV of this Regulation by 01 Jul 2018.
ANNEX I - PART ATCO - REQUIREMENTS FOR THE LICENSING OF AIR TRAFFIC CONTROLLERS

SUBPART A GENERAL REQUIREMENTS

ATCO.A.001 Scope

This Part, set out in this Annex, establishes the requirements for the issue, revocation and suspension of student air traffic controller licences and air traffic controller licences, their associated ratings and endorsements, and the conditions of their validity and use.

ATCO.A.005 Application for the issue of licences, ratings and endorsements

(a) An application for the issue of licences, ratings and endorsements shall be submitted to the authority in accordance with the procedure established by the authority.

(b) An application for the issue of further ratings or endorsements, for the revalidation or renewal of endorsements and for the reissue of the licence shall be submitted to the authority.

(c) The licence shall remain the property of the person to whom it is issued, unless it is revoked by the authority. The licence holder shall sign the licence.

(d) The licence shall specify all relevant information related to the privileges that are granted by the licence and shall comply with the requirements in Appendix 1 of Annex II.

ATCO.A.010 Exchange of licences

(a) If the licence holder is to exercise the privileges of the licence in the State of Qatar and his/her licence is not issued by the authority of Qatar, the licence holder shall submit an application to exchange his/her licence for a licence issued by the authority of Qatar in accordance with the procedure established by this authority. For this purpose, the authority of Qatar may request from the authority that issued the licence all the relevant information needed to carry out the licence exchange according to the procedures referred to in ATCO.AR.B.001(c).

(b) For the purposes of the exchange and for exercising the privileges of the licence in the State of Qatar, the licence holder must fulfil the language proficiency requirements referred to in ATCO.B.030 established by the State of Qatar.

(c) The new licence shall include ratings, rating endorsements, licence endorsements and all valid unit endorsements in the licence, including the date of their first issue and expiry, if applicable.

(d) Following the receipt of the new licence, the licence holder shall submit an application referred to in ATCO.A.005 together with his/her air traffic controller licence in order to get new ratings, rating endorsements, licence endorsements or unit endorsements.

ATCO.A.015 Exercise of the privileges of licences and provisional inability

(a) The exercise of the privileges granted by a licence shall be dependent on the validity of the ratings, endorsements and of the medical certificate.

(b) Licence holders shall not exercise the privileges of their licence when having doubts of being able to safely exercise the privileges of the licence and shall in such cases immediately notify the relevant air navigation service provider of the provisional inability to exercise the privileges of their licence.

(c) Air navigation service providers may declare the provisional inability of the licence holder if they become aware of any doubt concerning the ability of the licence holder to safely exercise the privileges of the licence.
(d) Air navigation service providers shall develop and implement objective, transparent and non-discriminatory procedures to enable licence holders declaring provisional inability to exercise the privileges of their licence in accordance with point (b), to declare the provisional inability of the licence holder in accordance with point (c), to manage the operational impact of provisional inability cases and to inform the authority as defined in that procedure.

(e) The procedures referred to in point (d) shall be included in the unit competence scheme according to ATCO.B.025(a)(13).

ATCO.A.020 Revocation and suspension of licences, ratings and endorsements

(a) Licences, ratings and endorsements may be suspended or revoked by the authority according to ATCO.AR.D.005 when the licence holder does not comply with the requirements of this Part.

(b) When the licence holder has his/her licence revoked, he/she shall immediately return the licence to the authority according to the administrative procedures established by the authority.

(c) With the issue of the air traffic controller licence the student air traffic controller licence is revoked and shall be returned to the authority.
SUBPART B LICENCES, RATINGS AND ENDORSEMENTS

ATCO.B.001 Student air traffic controller licence

(a) Holders of a student air traffic controller licence shall be authorised to provide air traffic control services in accordance with the rating(s) and rating endorsement(s) contained in their licence under the supervision of an on-the-job training instructor and to undertake training for rating endorsement(s).

(b) Applicants for the issue of a Student air traffic controller licence shall:

1. be at least 21 years old, but not older than 30 years;
2. have successfully completed initial training at a training organisation satisfying the requirements laid down in Annex III (Part ATCO.OR) relevant to the rating, and if applicable, to the rating endorsement, as set out in Part ATCO, Subpart D, Section 2;
3. hold a valid class 3 medical certificate;
4. have demonstrated an adequate level of language proficiency in accordance with the requirements set out in ATCO.B.030;
5. have successfully completed a unit psychometric test.

(c) The student air traffic controller licence shall contain the language endorsement(s) and at least one rating and, if applicable, one rating endorsement.

(d) The holder of a student air traffic controller licence who has not started exercising the privileges of that licence within one year from the date of its issue or has interrupted exercising those privileges for a period of more than one year may only start or continue unit training in that rating after an assessment of his/her previous competence, conducted by a training organisation satisfying the requirements laid down in Annex III (Part ATCO.OR) and certified to provide initial training relevant to the rating, as to whether he/she continues to satisfy the requirements relevant to that rating, and after satisfying any training requirements resulting from this assessment.

ATCO.B.005 Air traffic controller licence

(a) Holders of an air traffic controller licence shall be authorised to provide air traffic control services in accordance with the ratings and rating endorsements of their licence, and to exercise the privileges of the endorsements contained therein.

(b) The privileges of an air traffic controller licence shall include the privileges of a student air traffic controller licence as set out in ATCO.B.001(a).

(c) Applicants for the first issue of an air traffic controller licence shall:

1. hold a student air traffic controller licence;
2. have completed a unit endorsement course and successfully passed the appropriate examinations and assessments in accordance with the requirements set out in Part ATCO, Subpart D, Section 3;
3. hold a valid class 3 medical certificate;
4. have demonstrated an adequate level of language proficiency in accordance with the requirements set out in ATCO.B.030.

(d) The air traffic controller licence shall be validated by the inclusion of one or more ratings and the relevant rating, unit and language proficiency endorsements for which the training was successful.

(e) The holder of an air traffic controller licence who has not started exercising the privileges of any rating within one year from the date of its issue may only start unit training in that rating after an assessment of his/her previous competence, conducted by a training organisation satisfying the requirements laid down in Annex III (Part ATCO.OR) and certified to provide initial training relevant to the rating, as to whether he/she continues to satisfy the requirements relevant to that rating, and after satisfying any training requirements resulting from this assessment.
ATCO.B.010 Air traffic controller ratings

(a) Licences shall contain one or more of the following ratings in order to indicate the type of service which the licence holder is authorised to provide:

(1) the Aerodrome Control Visual (ADV) rating, indicating that the licence holder is competent to provide an air traffic control service to aerodrome traffic at an aerodrome that has no published instrument approach or departure procedures;

(2) the Aerodrome Control Instrument (ADI) rating, indicating that the licence holder is competent to provide an air traffic control service to aerodrome traffic at an aerodrome that has published instrument approach or departure procedures and shall be accompanied by at least one of the rating endorsements described in ATCO.B.015(a);

(3) the Approach Control Procedural (APP) rating, indicating that the licence holder is competent to provide an air traffic control service to arriving, departing or transiting aircraft without the use of surveillance equipment;

(4) the Approach Control Surveillance (APS) rating, indicating that the licence holder is competent to provide an air traffic control service to arriving, departing or transiting aircraft with the use of surveillance equipment;

(5) the Area Control Procedural (ACP) rating, indicating that the licence holder is competent to provide an air traffic control service to aircraft without the use of surveillance equipment;

(6) the Area Control Surveillance (ACS) rating, indicating that the licence holder is competent to provide an air traffic control service to aircraft with the use of surveillance equipment.

(b) The holder of a rating who has interrupted exercising the privileges associated with that rating for a period of four or more immediately preceding consecutive years may only start unit training in that rating after assessment of previous competence, conducted by a training organisation satisfying the requirements laid down in Annex III (Part ATCO.OR) and certified to provide training relevant to the rating, as to whether the person concerned continues to satisfy the conditions of that rating, and after satisfying any training requirements resulting from this assessment.

ATCO.B.015 Rating endorsements

(a) The Aerodrome Control Instrument (ADI) rating shall bear at least one of the following endorsements:

(1) the Air Control (AIR) endorsement, indicating that the licence holder is competent to provide air control to traffic flying in the vicinity of an aerodrome and on the runway;

(2) the Ground Movement Control (GMC) endorsement, indicating that the licence holder is competent to provide ground movement control;

(3) the Tower Control (TWR) endorsement, indicating that the licence holder is competent to provide aerodrome control service. The TWR endorsement includes the privileges of the AIR and GMC endorsements;

(4) the Ground Movement Surveillance (GMS) endorsement, granted in addition to the Ground Movement Control endorsement or Tower Control endorsement, indicating that the licence holder is competent to provide ground movement control with the help of aerodrome surface movement guidance systems;

(5) the Aerodrome Radar Control (RAD) endorsement, granted in addition to the Air Control endorsement or Tower Control endorsement, indicating that the licence holder is competent to provide aerodrome control with the help of surveillance radar equipment.
The Approach Control Surveillance (APS) rating may bear one or more of the following endorsements:

1. the Precision Approach Radar (PAR) endorsement, indicating that the licence holder is competent to provide ground-controlled precision approaches with the use of precision approach radar equipment to aircraft on the final approach to the runway;

2. the Surveillance Radar Approach (SRA) endorsement, indicating that the licence holder is competent to provide ground-controlled non-precision approaches with the use of surveillance equipment to aircraft on the final approach to the runway;

3. the Terminal Control (TCL) endorsement, indicating that the licence holder is competent to provide air traffic control services with the use of any surveillance equipment to aircraft operating in a specified terminal area and/or adjacent sectors.

The Area Control Surveillance (ACS) rating may bear the following endorsement:

1. the Terminal Control (TCL) endorsement, indicating that the licence holder is competent to provide air traffic control services with the use of any surveillance equipment to aircraft operating in a specified terminal area and/or adjacent sectors;

ATCO.B.020 Unit endorsements

(a) The unit endorsement shall authorise the licence holder to provide air traffic control services for a specific sector, group of sectors and/or working positions under the responsibility of an air traffic services unit.

(b) Applicants for a unit endorsement shall have successfully completed a unit endorsement course in accordance with the requirements set out in Part ATCO, Subpart D, Section 3.

(c) Applicants for a unit endorsement following an exchange of a licence referred to in ATCO.A.010 shall, in addition to the requirements set out in point (b), meet the requirements of ATCO.D.060(f).

(d) For air traffic controllers providing air traffic control services to aircraft carrying out flight tests, the authority may, in addition to the requirements set out in point (b), set out additional requirements to be met.

(e) Unit endorsements shall be valid for a period defined in the unit competence scheme. This period shall not exceed three years.

(f) The validity period of unit endorsements for initial issue and renewal shall start not later than 30 days from the date on which the assessment has been successfully completed.

(g) Unit endorsements shall be revalidated if:

1. the applicant has been exercising the privileges of the licence for a minimum number of hours as defined in the unit competence scheme;

2. the applicant has undertaken refresher training within the validity period of the unit endorsement according to the unit competence scheme;

3. the applicant's competence has been assessed in accordance with the unit competence scheme not earlier than three months prior to the expiry date of the unit endorsement.

(h) Unit endorsements shall be revalidated, provided that the requirements set out in point (g) are met, within the 3-month period immediately preceding their expiry date. In such cases the validity period shall be counted from that expiry date.

(i) If the unit endorsement is revalidated before the period provided for in point (h), its validity period shall start not later than 30 days from the date on which the assessment has been successfully completed, provided that the requirements in point (g)(1) and (2) are also met.

(j) If the validity of a unit endorsement expires, the licence holder shall successfully complete the unit endorsement course in accordance with the requirements set out in Part ATCO, Subpart D, Section 3 in order to renew the endorsement.
ATCO.B.025  Unit competence scheme

(a) Unit competence schemes shall be established by the air navigation service provider and approved by the authority. It shall include at least the following elements:

1. the validity of the unit endorsement in accordance with ATCO.B.020(e);
2. the maximum continuous period when the privileges of a unit endorsement are not exercised during its validity. This period shall not exceed 90 calendar days;
3. the minimum number of hours for exercising the privileges of the unit endorsement within a defined period of time, which shall not exceed 12 months, for the purpose of ATCO.B.020(g)(1). For on-the-job training instructors exercising the privileges of the OJTI endorsement the time spent instructing shall be counted for the maximum of 50 % of the hours required for revalidation of the unit endorsement.
4. procedures for the cases where the licence holder does not meet the requirements set out in point (a)(2) and (3);
5. processes for assessing competence, including assessment of the refresher training subjects according to ATCO.D.080(b);
6. processes for the examination of theoretical knowledge and understanding necessary to exercise privileges of the ratings and endorsements;
7. processes to identify the topics and subtopics, objectives and training methods for continuation training;
8. the minimum duration and frequency of the refresher training;
9. processes for the examination of theoretical knowledge and/or the assessment of practical skills acquired during conversion training, including pass marks for examinations;
10. processes in case of failure of an examination or assessment, including the appeal processes;
11. training personnel qualifications, roles and responsibilities;
12. procedure to ensure that practical instructors have practised instructional techniques in the procedures in which it is intended to provide instruction in accordance with ATCO.C.010(b)(3) and ATCO.C.030(b)(3);
13. procedures for the declaration and the management of cases of provisional inability to exercise the privileges of a licence, as well as for informing the authority in accordance with ATCO.A.015(d);
14. identification of records to be kept specific to continuation training and assessments, in accordance with ATCO.AR.B.015;
15. process and reasons for reviewing and amending the unit competence scheme and its submission to the authority. The review of the unit competence scheme shall take place at least once every three years.

(b) In order to comply with the requirement set out in point (a)(3), air navigation service providers shall keep records of the hours, during which each licence holder exercises the privileges of his/her unit endorsement working in sectors, group of sectors and/or working positions in the ATC unit and shall provide that data to the authorities and to the licence holder upon request.

(c) When establishing the procedures referred to in point (a)(4) and (13) air navigation service providers shall ensure that mechanisms are applied to guarantee fair treatment of licence holders where the validity of their endorsements cannot be extended.
ATCO.B.030  Language proficiency endorsement

(a) Air traffic controllers and student air traffic controllers shall not exercise the privileges of their licences unless they have a valid language proficiency endorsement in English. The language proficiency endorsement shall indicate the language (English), the level of proficiency and the expiry date.

(b) The English language proficiency level shall be determined in accordance with the rating scale set out in Appendix 1 of Annex I.

(c) The applicant for English language proficiency endorsement shall demonstrate, in accordance with the rating scale referred to in point (b), at least an operational level (level four) of language proficiency. To do so, the applicant shall:

1. communicate effectively in voice only (telephone/radiotelephone) and in face-to-face situations;
2. communicate on common, concrete and work-related topics with accuracy and clarity;
3. use appropriate communicative strategies to exchange messages and to recognise and resolve misunderstandings in a general or work-related context;
4. handle successfully and with relative ease the linguistic challenges presented by a complication or unexpected turn of events that occur within the context of a routine work situation or communicative task with which they are otherwise familiar; and
5. use a dialect or accent which is intelligible to the aeronautical community.

(d) English language proficiency shall be demonstrated by a certificate attesting the result of the assessment.

ATCO.B.035  Validity of language proficiency endorsement

(a) The validity of the English language proficiency endorsement, depending on the level determined in accordance with Appendix 1 of Annex I, shall be:

1. for operational level (level four), three years from the date of assessment; or
2. for extended level (level five), six years from the date of assessment;
3. for expert level (level six), unlimited.

(b) The validity period of the language proficiency endorsements for initial issue and renewal shall start not later than 30 days from the date on which the language proficiency assessment has been successfully completed.

(c) Language proficiency endorsements shall be revalidated following successful completion of the language proficiency assessment taking place within three months immediately preceding their expiry date. In such cases the new validity period shall be counted from that expiry date.

(d) If the language proficiency endorsement is revalidated before the period provided for in point (c), its validity period shall start not later than 30 days from the date on which the language proficiency assessment has been successfully completed.

(e) When the validity of a language proficiency endorsement expires, the licence holder shall successfully complete a language proficiency assessment in order to have his/her endorsement renewed.
ATCO.B.040 Assessment of language proficiency

(a) The demonstration of language proficiency shall be done through a method of assessment approved by the authority, which shall contain:

(1) the process by which an assessment is done;
(2) the qualification of the assessors;
(3) the appeals procedure.

(b) Language assessment bodies shall comply with the requirements established by the authorities according to ATCO.AR.A.010.

ATCO.B.045 Language training

(a) Air navigation service providers shall make available language training to maintain the required level of language proficiency of air traffic controllers to:

(1) holders of language proficiency endorsement at operational level (level four);
(2) licence holders without the opportunity to apply their skills on a regular basis in order to maintain their language skills.

(b) Language training may also be made available in the form of continuous training.
SUBPART C REQUIREMENTS FOR INSTRUCTORS AND ASSESSORS

SECTION 1 Instructors

ATCO.C.001 Theoretical instructors

(a) Theoretical training shall only be carried out by appropriately qualified instructors.

(b) A theoretical instructor is appropriately qualified if he/she:

(1) holds an air traffic controller licence and/or holds a professional qualification appropriate to the subject being taught and/or has demonstrated adequate knowledge and experience to the training organisation;

(2) has demonstrated instructional skills to the training organisation.

ATCO.C.005 Practical instructors

A person shall only carry out practical training when he/she holds an air traffic controller licence with an on-the-job training instructor (OJTI) endorsement or a synthetic training device instructor (STDI) endorsement.

ATCO.C.010 On-the-job training instructor (OJTI) privileges

(a) Holders of an OJTI endorsement are authorised to provide practical training and supervision on operational working positions for which a valid unit endorsement is held and on synthetic training devices in the ratings held.

(b) Holders of an OJTI endorsement shall only exercise the privileges of the endorsement if they have:

(1) exercised for at least two years the privilege of the rating they will instruct in;

(2) exercised for an immediately preceding period of at least six months the privilege of the valid unit endorsement, in which instruction will be given;

(3) practised instructional skills in those procedures in which it is intended to provide instruction.

(c) The period of two years referred to in point (b)(1) can be shortened to not less than one year by the authority when requested by the training organisation.

ATCO.C.015 Application for on-the-job training instructor endorsement

Applicants for the issue of an OJTI endorsement shall:

(a) hold an air traffic controller licence with a valid unit endorsement;

(b) have exercised the privileges of an air traffic controller licence for a period of at least two years immediately preceding the application. This period can be shortened to not less than one year by the authority when requested by the training organisation; and

(c) within the year preceding the application, have successfully completed a practical instructional techniques course during which the required knowledge and pedagogical skills are taught and have been appropriately assessed.

ATCO.C.020 Validity of on-the-job training instructor endorsement

(a) The OJTI endorsement shall be valid for a period of three years.

(b) The OJTI endorsement may be revalidated by successfully completing refresher training on practical instructional skills during its validity period, provided that the requirements of ATCO.C.015(a) and (b) are met.
(c) If the OJTI endorsement has expired, it may be renewed by:

(1) receiving refresher training on practical instructional skills; and
(2) successfully passing a practical instructor competence assessment;
within the year preceding the application for renewal, provided that the requirements of ATCO.C.015(a) and (b) are met.

(d) In the case of first issue and renewal the period of validity of the OJTI endorsement shall start not later than 30 days from the date on which the assessment has been successfully completed.

(e) If the requirements of ATCO.C.015(a) and (b) are not met the OJTI endorsement may be exchanged for an STDI endorsement, provided that compliance with the requirements of ATCO.C.040(b) and (c) is ensured.

ATCO.C.025 Temporary OJTI authorisation

(a) When compliance with the requirements provided for in ATCO.C.010(b)(2) is not possible, the authority may grant temporary OJTI authorisation based on a safety analysis presented by the air navigation service provider.

(b) The temporary OJTI authorisation referred to in point (a) may be issued to holders of a valid OJTI endorsement issued in accordance with ATCO.C.015.

(c) The temporary OJTI authorisation referred to in point (a) shall be limited to the instruction necessary to cover exceptional situations and its validity shall not exceed one year or the expiration of the validity of the OJTI endorsement issued in accordance with ATCO.C.015, whichever occurs sooner.

ATCO.C.030 Synthetic training device instructor (STDI) privileges

(a) Holders of an STDI endorsement are authorised to provide practical training on synthetic training devices:
(1) for subjects of practical nature during initial training;
(2) for unit training other than OJT; and
(3) for continuation training.
Where the STDI is providing pre-OJT, he/she shall hold or have held the relevant unit endorsement.

(b) Holders of an STDI endorsement shall only exercise the privileges of the endorsement if they have:
(1) at least two years’ experience in the rating they will instruct in;
(2) demonstrated knowledge of current operational practices;
(3) practised instructional techniques in those procedures in which it is intended to provide instruction.

(c) Notwithstanding point (b)(1)

(1) for the purpose of basic training any rating held is appropriate;
(2) for the purpose of rating training, training may be provided for specific and selected operational tasks by an STDI holding a rating that is relevant for that specific and selected operational task.

ATCO.C.035 Application for synthetic training device instructor endorsement

Applicants for the issue of an STDI endorsement shall:

(a) have exercised the privileges of an air traffic controller licence in any rating for at least two years; and

(b) within the year preceding the application have successfully completed a practical instructional techniques course during which the required knowledge and pedagogical skills are taught using theoretical and practical methods and have been appropriately assessed.

ATCO.C.040 Validity of synthetic training device instructor endorsement

(a) The STDI endorsement shall be valid for a period of three years.
(b) The STDI endorsement may be revalidated by successfully completing refresher training on practical instructional skills and on current operational practices during its validity period.

(c) If the STDI endorsement has expired, it may be renewed by:
   (1) receiving refresher training on practical instructional skills and on current operational practices; and
   (2) successfully passing a practical instructor competence assessment;
   within the year preceding the application for renewal.

(d) In the case of first issue and renewal the period of validity of the STDI endorsement shall start not later than 30 days from the date on which the assessment has been successfully completed.
SECTION 2 Assessors

ATCO.C.045 Assessor privileges

(a) A person shall only carry out assessments when he/she holds an assessor endorsement.

(b) Holders of an assessor endorsement are authorised to carry out assessments:

   (1) during initial training for the issue of a student air traffic controller licence or for the issue of a new rating and/or rating endorsement, if applicable;

   (2) of previous competence for the purpose of ATCO.B.001(d) and ATCO.B.010(b);

   (3) of student air traffic controllers for the issue of a unit endorsement and rating endorsements, if applicable;

   (4) of air traffic controllers for the issue of a unit endorsement and rating endorsements, if applicable, as well as for revalidation and renewal of a unit endorsement;

   (5) of applicant practical instructors or applicant assessors when compliance with the requirements of point (d)(2) to (4) is ensured.

(c) Holders of an assessor endorsement shall only exercise the privileges of the endorsement if they have:

   (1) at least two years experience in the rating and rating endorsement(s) they will assess in; and

   (2) demonstrated knowledge of current operational practices.

(d) In addition to the requirements set out in point (c), holders of an assessor endorsement shall only exercise the privileges of the endorsement:

   (1) for assessments leading to the issue, revalidation and renewal of a unit endorsement, if they also hold the unit endorsement associated with the assessment for an immediately preceding period of at least one year;

   (2) for assessing the competence of an applicant for the issue or renewal of an STDI endorsement, if they hold an STDI or OJTI endorsement and have exercised the privileges of that endorsement for at least three years;

   (3) for assessing the competence of an applicant for the issue or renewal of an OJTI endorsement, if they hold an OJTI endorsement and have exercised the privileges of that endorsement for at least three years;

   (4) for assessing the competence of an applicant for the issue or renewal of an assessor endorsement, if they have exercised the privileges of the assessor endorsement for at least three years.

(e) When assessing for the purpose of issue and renewal of a unit endorsement, and for ensuring supervision on the operational working position, the assessor shall also hold an OJTI endorsement, or an OJTI holding the valid unit endorsement associated with the assessment shall be present.

ATCO.C.050 Vested interests

Assessors shall not conduct assessments whenever their objectivity may be affected.

ATCO.C.055 Application for assessor endorsement

Applicants for the issue of an assessor endorsement shall:

(a) have exercised the privileges of an air traffic controller licence for at least three years; and

(b) within the year preceding the application have successfully completed an assessor course during which the required knowledge and skills are taught using theoretical and practical methods, and have been appropriately assessed.

ATCO.C.060 Validity of assessor endorsement

(a) The assessor endorsement shall be valid for a period of three years.
The assessor endorsement may be revalidated by successfully completing refresher training on assessment skills and on current operational practices during its validity period.

If the assessor endorsement has expired, it may be renewed by:

1. receiving refresher training on assessment skills and on current operational practices; and
2. successfully passing an assessor competence assessment;

within the year preceding the application for renewal.

In the case of first issue and renewal the period of validity of the assessor endorsement shall start not later than 30 days from the date on which the assessment has been successfully completed.

**ATCO.C.065 Temporary assessor authorisation**

(a) When the requirement provided for in ATCO.C.045 (d)(1) cannot be met, the authority may authorise holders of an assessor endorsement issued in accordance with ATCO.C.055 to carry out assessments referred to in ATCO.C.045(b)(3) and (4) to cover exceptional situations or to ensure the independence of the assessment, provided that the requirements set out in points (b) and (c) are met.

(b) For the purpose of covering exceptional situations the holder of the assessor endorsement shall also hold a unit endorsement with the associated rating and, if applicable, rating endorsement, relevant to the assessment for an immediately preceding period of at least one year. The authorisation shall be limited to the assessments necessary to cover exceptional situations and shall not exceed one year or the validity of the assessor endorsement issued in accordance with ATCO.C.055, whichever occurs sooner.

(c) For the purpose of ensuring the independence of the assessment for reasons of recurrent nature the holder of the assessor endorsement shall also hold a unit endorsement with the associated rating and, if applicable, rating endorsement, relevant to the assessment for an immediately preceding period of at least one year. The validity of the authorisation shall be determined by the authority but shall not exceed the validity of the assessor endorsement issued in accordance with ATCO.C.055.

(d) For issuing a temporary assessor authorisation for the reasons referred to in points (b) and (c) the authority may require a safety analysis to be presented by the air navigation service provider.
SUBPART D AIR TRAFFIC CONTROLLER TRAINING

SECTION 1 General requirements

ATCO.D.001 Objectives of air traffic controller training

Air traffic controller training shall cover the entirety of theoretical courses, practical exercises, including simulation, and on-the-job training required in order to acquire and maintain the skills to deliver safe, orderly and expeditious air traffic control services.

ATCO.D.005 Types of air traffic controller training

(a) Air traffic controller training shall consist of the following types:

(1) initial training, leading to the issue of a student air traffic controller licence or to the issue of an additional rating and, if applicable, rating endorsement, providing:
   (i) ‘basic training’: theoretical and practical training designed to impart fundamental knowledge and practical skills related to basic operational procedures;
   (ii) ‘rating training’: theoretical and practical training designed to impart knowledge and practical skills related to a specific rating and, if applicable, to rating endorsement;

(2) unit training, leading to the issue of an air traffic controller licence, the issue of a rating endorsement, the validation of rating(s) or rating endorsement(s) and/or the issue or renewal of a unit endorsement. It comprises the following phases:
   (i) transitional training phase, designed primarily to impart knowledge and understanding of site-specific operational procedures and task-specific aspects; and
   (ii) on-the-job training phase, which is the final phase of unit training during which previously acquired job-related routines and skills are integrated in practice under the supervision of a qualified on-the-job training instructor in a live traffic situation.
   (iii) In addition to points (i) and (ii), for unit endorsement(s) that require the handling of complex and dense traffic situations, a pre-on-the-job training phase is required to enhance the previously acquired rating routines and skills and to prepare for live traffic situations which may be encountered in that unit;

(3) continuation training, designed to maintain the validity of the endorsements of the licence, consisting of:
   (i) refresher training;
   (ii) conversion training, when relevant.

(b) In addition to the types of training referred to in point (a), air traffic controllers may undertake the following types:

(1) practical instructors’ training, leading to the issue, revalidation or renewal of an OJTI or STDI endorsement;

(2) assessor training, leading to the issue, revalidation or renewal of an assessor endorsement.
SECTION 2 Initial training requirements

ATCO.D.010  Composition of initial training

(a) Initial training, intended for an applicant for a student air traffic controller licence or for the issue of an additional rating and/or, if applicable, rating endorsement, shall consist of:

(1) basic training, comprising all the subjects, topics and subtopics contained in Appendix 2 of Annex I; and

(2) rating training, comprising the subjects, topics and subtopics of at least one of the following:
   (i) Aerodrome Control Visual Rating - ADV, defined in Appendix 3 of Annex I;
   (ii) Aerodrome Control Instrument Rating for Tower - ADI (TWR), defined in Appendix 4 of Annex I;
   (iii) Approach Control Procedural Rating - APP, defined in Appendix 5 of Annex I;
   (iv) Area Control Procedural Rating - ACP, defined in Appendix 6 of Annex I;
   (v) Approach Control Surveillance Rating - APS, defined in Appendix 7 of Annex I;
   (vi) Area Control Surveillance Rating - ACS, defined in Appendix 8 of Annex I.

(b) Training intended for an additional rating shall consist of the subjects, topics and subtopics applicable to at least one of the ratings established in point (a)(2).

(c) Training intended for the reactivation of a rating following a not successful assessment of previous competence according to ATCO.B.010(b) shall be tailored according to the result of that assessment.

(d) Training intended for a rating endorsement other than ATCO.B.015(a)(3) shall consist of subjects, topics and subtopics developed by the training organisation and approved as part of the training course.

(e) Basic and/or rating training may be complemented with subjects, topics and subtopics that are additional or specific to the national environment.

ATCO.D.015  Initial training plan

An initial training plan shall be established by the training organisation and approved by the authority. It shall contain at least:

(a) the composition of the initial training course provided according to ATCO.D.010;

(b) the structure of the initial training provided according to ATCO.D.020(b);

(c) the process for the conduct of the initial training course(s);

(d) the training methods;

(e) minimum and maximum duration of the initial training course(s);

(f) with regard to ATCO.D.010(b), process for adapting the initial training course(s) to take due account of a successfully completed basic training course;

(g) processes for examinations and assessments according to ATCO.D.025 and ATCO.D.035, as well as performance objectives according to ATCO.D.030 and ATCO.D.040;

(h) training personnel qualifications, roles and responsibilities;

(i) process for early termination of training;

(j) the appeal process;

(k) identification of records to be kept specific to initial training;

(l) process and reasons for reviewing and amending the initial training plan and its submission to the authority. The review of the initial training plan shall take place at least once every three years.
**ATCO.D.020 Basic and rating training courses**

(a) Basic and rating training shall be provided as separate or integrated courses.

(b) Basic and rating training courses or an integrated initial training course shall be developed and provided by training organisations and approved by the authority.

(c) When initial training is provided as an integrated course, a clear distinction shall be made between the examinations and assessments for:

   (1) basic training; and

   (2) each rating training.

(d) The successful completion of initial training, or of rating training for the issue of an additional rating, shall be demonstrated by a certificate issued by the training organisation.

(e) The successful completion of basic training shall be demonstrated by a certificate issued by the training organisation upon request of the applicant.

**ATCO.D.025 Basic training examinations and assessment**

(a) Basic training courses shall include theoretical examination(s) and assessment(s).

(b) A pass in theoretical examination(s) shall be awarded to an applicant achieving a minimum of 70% of the marks allocated to that examination.

(c) Assessment(s) of performance objectives as listed in ATCO.D.030 shall be conducted on a part-task trainer or a simulator.

(d) A pass in assessment(s) shall be awarded to an applicant who consistently demonstrates the required performance as listed in ATCO.D.030 and shows the behaviour required for safe operations within the air traffic control service.

**ATCO.D.030 Basic training performance objectives**

Assessment(s) shall include evaluation of the following performance objectives:

(a) checking and using the working position equipment;

(b) developing and maintaining situational awareness by monitoring traffic and identifying aircraft when applicable;

(c) monitoring and updating flight data display(s);

(d) maintaining a continuous listening watch on the appropriate frequency;

(e) issuing appropriate clearances, instructions and information to traffic;

(f) using approved phraseology;

(g) communicating effectively;

(h) applying separation;

(i) applying coordination as necessary;

(j) applying the prescribed procedures for the simulated airspace;

(k) detecting potential conflicts between aircraft;

(l) appreciating priority of actions;

(m) choosing appropriate separation methods.

**ATCO.D.035 Rating training examinations and assessment**

(a) Rating training courses shall include theoretical examination(s) and assessment(s).
(b) A pass in theoretical examination(s) shall be awarded to an applicant achieving a minimum of 70 % of the marks allocated to that examination.

(c) Assessment(s) shall be based on the rating training performance objectives described in ATCO.D.040.

(d) Assessment(s) shall be conducted on a simulator.

(e) A pass in assessment(s) shall be awarded to an applicant who consistently demonstrates the required performance described in ATCO.D.040 and shows the behaviour required for safe operations within the air traffic control service.

ATCO.D.040 Rating training performance objectives

(a) Rating training performance objectives and performance objective tasks shall be defined for each rating training course.

(b) Rating training performance objectives shall require an applicant to:
   
   (1) demonstrate the ability to manage air traffic in a manner that ensures safe, orderly and expeditious services; and
   
   (2) handle complex and dense traffic situations.

(c) In addition to point (b), rating training performance objectives for the Aerodrome Control Visual (ADV) and Aerodrome Control Instrument (ADI) rating shall ensure that applicants:
   
   (1) manage the workload and provide air traffic services within a defined aerodrome area of responsibility; and
   
   (2) apply aerodrome control techniques and operational procedures to aerodrome traffic.

(d) In addition to point (b), rating training performance objectives for the Approach Control Procedural rating shall ensure that applicants:
   
   (1) manage the workload and provide air traffic services within a defined approach control area of responsibility; and
   
   (2) apply procedural approach control, planning techniques and operational procedures to arriving, holding, departing and transiting traffic.

(e) In addition to point (b), rating training performance objectives for the Approach Control Surveillance rating shall ensure that applicants:
   
   (1) manage the workload and provide air traffic services within a defined approach control area of responsibility; and
   
   (2) apply approach surveillance control, planning techniques and operational procedures to arriving, holding, departing and transiting traffic.

(f) In addition to point (b), rating training performance objectives for the Area Control Procedural rating shall ensure that applicants:
   
   (1) manage the workload and provide air traffic services within a defined area control area of responsibility; and
   
   (2) apply procedural area control, planning techniques and operational procedures to area traffic.

(g) In addition to point (b), rating training performance objectives for the Area Control Surveillance rating shall ensure that applicants:
   
   (1) manage the workload and provide air traffic services within a defined area control area of responsibility; and
   
   (2) apply area surveillance control, planning techniques and operational procedures to area traffic.
SECTION 3 Unit training requirements

ATCO.D.045 Composition of unit training

(a) Unit training shall consist of training course(s) for each unit endorsement established at the ATC unit as defined in the unit training plan.

(b) The unit endorsement course(s) shall be developed and provided by training organisations according to ATCO.D.060 and approved by the authority.

(c) Unit training shall include training in:
   (1) operational procedures;
   (2) task-specific aspects;
   (3) abnormal and emergency situations; and
   (4) human factors.

ATCO.D.050 Prerequisites of unit training

Unit training may only be started by persons who are holders of:

(a) a student air traffic controller licence with the appropriate rating and, if applicable, rating endorsement; or

(b) an air traffic controller licence with the appropriate rating and, if applicable, rating endorsement; provided that the requirements set out in ATCO.B.001(d) and ATCO.B.010(b) are met.

ATCO.D.055 Unit training plan

(a) A unit training plan shall be established by the training organisation for each ATC unit and shall be approved by the authority.
(b) The unit training plan shall contain at least:

1. ratings and endorsements for which the training is conducted;
2. the structure of the unit training;
3. the list of unit endorsement course(s) according to ATCO.D.060;
4. the process for the conduct of a unit endorsement course;
5. the training methods;
6. the minimum duration of the unit endorsement course(s);
7. process for adapting the unit endorsement course(s) to take due account of the acquired ratings and/or rating endorsements and experience of applicants, when relevant;
8. processes for demonstrating theoretical knowledge and understanding according to ATCO.D.065, including the number, frequency and type of, as well as pass marks for examinations, which shall be a minimum of 75% of the marks allocated to these examinations;
9. processes for the assessment according to ATCO.D.070, including the number and frequency of assessments;
10. training personnel qualifications, roles and responsibilities;
11. process for early termination of training;
12. the appeal process;
13. identification of records to be kept specific to the unit training;
14. a list of identified abnormal and emergency situations specific for each unit endorsement;
15. process and reasons for reviewing and amending the unit training plan and its submission to the authority. The review of the unit training plan shall take place at least once every three years.
ATCO.D.060  Unit endorsement course

(a) A unit endorsement course shall be the combination of the relevant unit training phases for the issue or renewal of a unit endorsement in the licence. Each course shall contain:

   (1) a transitional training phase;

   (2) an on-the-job training phase.

A pre-on-the-job training phase shall be included, if required, according to ATCO.D.005(a)(2).

(b) The unit training phases referred to in paragraph (a) shall be provided separately or in an integrated manner.

(c) Unit endorsement courses shall define the syllabus and the performance objectives in accordance with ATCO.D.045(c) and shall be conducted in accordance with the unit training plan.

(d) Unit endorsement courses that include training for rating endorsement(s) according to ATCO.B.015 shall be supplemented with additional training that allows for the acquisition of the concerned rating endorsement skills.

(e) Training intended for a rating endorsement other than ATCO.B.015(a)(3) shall consist of subjects, subject objectives, topics and subtopics developed by the training organisation and approved as part of the training course.

(f) Unit endorsement courses undertaken following an exchange of a licence shall be adapted to include elements of initial training that are specific to the Functional Airspace Block or to the national environment.

ATCO.D.065  Demonstration of theoretical knowledge and understanding

Theoretical knowledge and understanding shall be demonstrated by examinations.

ATCO.D.070  Assessments during unit endorsement courses

(a) The applicant's assessment shall be conducted in the operational environment under normal operational conditions at least once at the end of the on-the-job training.

(b) When the unit endorsement course contains a pre-on-the-job training phase, the applicant's skills shall be assessed on a synthetic training device at least at the end of this phase.

(c) Notwithstanding point (a), a synthetic training device may be used during a unit endorsement assessment to demonstrate the application of trained procedures not encountered in the operational environment during the assessment.
SECTION 4 Continuation training requirements

ATCO.D.075 Continuation training

Continuation training shall consist of refresher and conversion training courses and shall be provided according to the requirements contained in the unit competence scheme according to ATCO.B.025.

ATCO.D.080 Refresher training

(a) Refresher training course(s) shall be developed and provided by training organisations and approved by the authority.

(b) Refresher training shall be designed to review, reinforce or enhance the existing knowledge and skills of air traffic controllers to provide a safe, orderly and expeditious flow of air traffic and shall contain at least:

   (1) standard practices and procedures training, using approved phraseology and effective communication;
   (2) abnormal and emergency situations training, using approved phraseology and effective communication; and
   (3) human factors training.

(c) A syllabus for the refresher training course shall be defined, and where a subject refreshes skills of air traffic controllers, performance objectives shall also be developed.

ATCO.D.085 Conversion training

(a) Conversion training course(s) shall be developed and provided by training organisations and approved by the authority.

(b) Conversion training shall be designed to provide knowledge and skills appropriate to a change in the operational environment and shall be provided by training organisations when the safety assessment of the change concludes the need for such training.

(c) Conversion training courses shall include the determination of:

   (1) the appropriate training method for and duration of the course, taking into account the nature and extent of the change; and
   (2) the examination and/or assessment methods for the conversion training.

(d) Conversion training shall be provided before air traffic controllers exercise the privileges of their licence in the changed operational environment.
SECTION 5 Training of instructors and assessors

ATCO.D.090  Training of practical instructors

(a) Training of practical instructors shall be developed and provided by training organisations and shall consist of:

(1) a practical instructional techniques course for OJTI and/or STDI, including an assessment;
(2) a refresher training course on practical instructional skills;
(3) a method(s) for assessing the competence of practical instructors.

(b) The training courses and assessment methods referred to in point (a) shall be approved by the authority.

ATCO.D.095  Training of assessors

(a) Training of assessors shall be developed and provided by training organisations and shall consist of:

(1) an assessor training course, including an assessment;
(2) a refresher training course on assessment skills;
(3) a method(s) for assessing the competence of assessors.

(b) The training courses and the assessment method referred to in point (a) shall be approved by the authority.
### Appendix 1 of Annex I

#### LANGUAGE PROFICIENCY RATING SCALE - REQUIREMENTS FOR PROFICIENCY IN LANGUAGES

Language proficiency rating scale: expert, extended and operational levels

<table>
<thead>
<tr>
<th>Level</th>
<th>Pronunciation</th>
<th>Structure</th>
<th>Vocabulary</th>
<th>Fluency</th>
<th>Comprehension/Interactions</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Expert 6</strong></td>
<td>Pronunciation, stress, rhythm and intonation, though possibly influenced by the first language or regional variation, almost never interfere with ease of understanding.</td>
<td>Both basic and complex grammatical structures and sentence patterns are consistently well controlled.</td>
<td>Vocabulary range and accuracy are sufficient to communicate effectively on a wide variety of familiar and unfamiliar topics. Vocabulary is idiomatic, nuanced, and sensitive to register.</td>
<td>Able to speak at length with a natural, effortless flow. Varies speech flow for stylistic effect, e.g. to emphasise a point. Uses appropriate discourse markers and connectors spontaneously.</td>
<td>Comprehension is consistently accurate in nearly all contexts and includes comprehension of linguistic and cultural subtleties. Interacts with ease in nearly all situations. Is sensitive to verbal and non-verbal cues, and responds to them appropriately.</td>
</tr>
<tr>
<td><strong>Operational 4</strong></td>
<td>Pronunciation, stress, rhythm and intonation are influenced by the first language or regional variation but only sometimes interfere with ease of understanding.</td>
<td>Basic grammatical structures and sentence patterns are used creatively and are usually well controlled. Errors may occur, particularly in unusual or unexpected circumstances, but rarely interfere with meaning.</td>
<td>Vocabulary range and accuracy are usually sufficient to communicate effectively on common, concrete, and work-related topics. Can often paraphrase successfully when lacking vocabulary in unusual or unexpected circumstances.</td>
<td>Able to speak at length with a natural, effortless flow. Varies speech flow for stylistic effect, e.g. to emphasise a point. Uses appropriate discourse markers and connectors spontaneously.</td>
<td>Comprehension is consistently accurate in nearly all contexts and includes comprehension of linguistic and cultural subtleties. Interacts with ease in nearly all situations. Is sensitive to verbal and non-verbal cues, and responds to them appropriately.</td>
</tr>
<tr>
<td>Level</td>
<td>Pronunciation</td>
<td>Structure</td>
<td>Vocabulary</td>
<td>Fluency</td>
<td>Comprehension</td>
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<tr>
<td>Pre-operational 3</td>
<td>Pronunciation, stress, rhythm and intonation are heavily influenced by the first language or regional variation and usually interfere with ease of understanding.</td>
<td>Relevant grammatical structures and sentence patterns associated with predictable situations are not always well controlled. Errors frequently interfere with meaning.</td>
<td>Vocabulary range and accuracy are often limited, the word choice is often inappropriate. Hesitations or slowness in language processing may prevent effective communication. Fillers are sometimes distracting.</td>
<td>Produces stretches of language, but phrasing and pausing are often inappropriate.</td>
<td>Comprehension is often accurate on common, concrete, and work-related topics when the accent or variety used is sufficiently intelligible for an international community of users. May fail to understand a linguistic or situational complication or an unexpected turn of events.</td>
</tr>
<tr>
<td>Elementary 2</td>
<td>Pronunciation, stress, rhythm and intonation are heavily influenced by the first language or regional variation and usually interfere with ease of understanding.</td>
<td>Shows only limited control of a few simple memorised grammatical structures and sentence patterns.</td>
<td>Limited vocabulary range consisting only of isolated words and memorised phrases.</td>
<td>Can produce very short, isolated, memorised utterances with frequent pausing and a distracting use of fillers to search for expressions and to articulate less familiar words.</td>
<td>Comprehension is limited to isolated, memorised phrases when they are carefully and slowly articulated.</td>
</tr>
<tr>
<td>Pre-elementary</td>
<td>Performs at a level below the Elementary level.</td>
<td>Performs at a level below the Elementary level.</td>
<td>Performs at a level below the Elementary level.</td>
<td>Performs at a level below the Elementary level.</td>
<td>Performs at a level below the Elementary level.</td>
</tr>
</tbody>
</table>
Appendix 2 of Annex I

BASIC TRAINING

(Reference: Annex I - Part ATCO Subpart D, Section 2, ATCO.D.010(a)(1))

TABLE OF CONTENTS

SUBJECT 1: INTRODUCTION TO THE COURSE

SUBJECT 2: AVIATION LAW

SUBJECT 3: AIR TRAFFIC MANAGEMENT

SUBJECT 4: METEOROLOGY

SUBJECT 5: NAVIGATION

SUBJECT 6: AIRCRAFT

SUBJECT 7: HUMAN FACTORS

SUBJECT 8: EQUIPMENT AND SYSTEMS

SUBJECT 9: PROFESSIONAL ENVIRONMENT

SUBJECT 1: INTRODUCTION TO THE COURSE

TOPIC INTR 1 - COURSE MANAGEMENT

Subtopic INTRB 1.1 - Course introduction
Subtopic INTRB 1.2 - Course administration
Subtopic INTRB 1.3 - Study material and training documentation

TOPIC INTRB 2 - INTRODUCTION TO THE ATC TRAINING COURSE

Subtopic INTRB 2.1 - Course content and organisation
Subtopic INTRB 2.2 - Training ethos
Subtopic INTRB 2.3 - Assessment process

SUBJECT 2: AVIATION LAW

TOPIC LAWB 1 - INTRODUCTION TO AVIATION LAW

Subtopic LAWB 1.1 - Relevance of aviation law

TOPIC LAW 2 - INTERNATIONAL ORGANISATIONS
Subtopic LAWB 2.1 - ICAO
Subtopic LAWB 2.2 - European and other agencies
Subtopic LAWB 2.3 - A aviation associations

TOPIC LAWB 3 - NATIONAL ORGANISATIONS
Subtopic LAWB 3.1 - Purpose and function
Subtopic LAWB 3.2 - National legislative procedures
Subtopic LAWB 3.3 - National authority
Subtopic LAWB 3.4 - National aviation associations

TOPIC LAWB 4 - ATS SAFETY MANAGEMENT
Subtopic LAWB 4.1 - Safety regulation
Subtopic LAWB 4.2 - Safety management system

TOPIC LAWB 5 - RULES AND REGULATIONS
Subtopic LAWB 5.1 - Units of measurement
Subtopic LAWB 5.2 - ATCO licencing/certification
Subtopic LAWB 5.3 - Overview of ANS and ATS
Subtopic LAWB 5.4 - Rules of the air
Subtopic LAWB 5.5 - Airspace and ATS routes
Subtopic LAWB 5.6 - Flight plan
Subtopic LAWB 5.7 - Aerodromes
Subtopic LAWB 5.8 - Holding procedures for IFR flights
Subtopic LAWB 5.9 - Holding procedures for VFR flights

SUBJECT 3: AIR TRAFFIC MANAGEMENT

TOPIC ATMB 1 - AIR TRAFFIC MANAGEMENT
Subtopic ATMB 1.1 - Application of units of measurement
Subtopic ATMB 1.2 - Air traffic control (ATC) service
Subtopic ATMB 1.3 - Flight information service (FIS)
Subtopic ATMB 1.4 - Alerting service
Subtopic ATMB 1.5 - Air traffic advisory service
Subtopic ATMB 1.6 - ATS system capacity and air traffic flow management
Subtopic ATMB 1.7 - Airspace management (ASM)

TOPIC ATMB 2 - ALTIMETRY AND LEVEL ALLOCATION
Subtopic ATMB 2.1 - Altimetry
Subtopic ATMB 2.2 - Transition level
Subtopic ATMB 2.3 - Level allocation
TOPIC ATM 3 - RADIOTELEPHONY (RTF)
  Subtopic ATMB 3.1 - RTF general operations procedures

TOPIC ATMB 4 - ATC CLEARANCES AND ATC INSTRUCTIONS
  Subtopic ATMB 4.1 - Type and content of ATC clearances
  Subtopic ATMB 4.2 - ATC instructions

TOPIC ATMB 5 - COORDINATION
  Subtopic ATMB 5.1 - Principles, types and content of coordination
  Subtopic ATMB 5.2 - Necessity for coordination
  Subtopic ATMB 5.3 - Means of coordination

TOPIC ATMB 6 - DATA DISPLAY
  Subtopic ATMB 6.1 - Data extraction
  Subtopic ATMB 6.2 - Data management

TOPIC ATM 7 - SEPARATIONS
  Subtopic ATMB 7.1 - Vertical separation and procedures
  Subtopic ATMB 7.2 - Horizontal separation and procedures
  Subtopic ATMB 7.3 - Visual separation
  Subtopic ATMB 7.4 - Aerodrome separation and procedures
  Subtopic ATMB 7.5 - Separation based on ATS surveillance systems
  Subtopic ATMB 7.6 - Wake turbulence separation

TOPIC ATMB 8 - AIRBORNE COLLISION AVOIDANCE SYSTEMS AND GROUND-BASED SAFETY NETS
  Subtopic ATMB 8.1 - Airborne collision avoidance systems
  Subtopic ATMB 8.2 - Ground-based safety nets

TOPIC ATMB 9 - BASIC PRACTICAL SKILLS
  Subtopic ATMB 9.1 - Traffic management process
  Subtopic ATMB 9.2 - Basic practical skills applicable to all ratingss
  Subtopic ATMB 9.3 - Basic practical skills applicable to aerodrome
  Subtopic ATMB 9.4 - Basic practical skills applicable to surveillance

SUBJECT 4: METEOROLOGY

TOPIC METB 1 - METEOROLOGICAL PHENOMENA
  Subtopic METB 1.1 - Application of units of measurement
Subtopic METB 1.2 - Aviation and meteorology
Subtopic METB 1.3 - Organisation of meteorological services

TOPIC METB 2 - ATMOSPHERE

Subtopic METB 2.1 - Composition and structure
Subtopic METB 2.2 - Standard atmosphere
Subtopic METB 2.3 - Heat and temperature
Subtopic METB 2.4 - Water in atmosphere
Subtopic METB 2.5 - Air pressure

TOPIC METB 3 - ATMOSPHERIC CIRCULATION

Subtopic METB 3.1 - General air circulation
Subtopic METB 3.2 - Air masses and frontal system
Subtopic METB 3.3 - Mesoscale system
Subtopic METB 3.4 - Wind

TOPIC METB 4 - METEOROLOGICAL PHENOMENA

Subtopic METB 4.1 - Clouds
Subtopic METB 4.2 - Types of precipitation
Subtopic METB 4.3 - Visibility
Subtopic METB 4.4 - Meteorological hazards

TOPIC METB 5 - METEOROLOGICAL INFORMATION FOR AVIATION

Subtopic METB 5.1 - Messages and reports

SUBJECT 5: NAVIGATION

TOPIC NAVB 1 - INTRODUCTION TO NAVIGATION

Subtopic NAVB 1.1 - Application of units of measurement
Subtopic NAVB 1.2 - Purpose and use of navigation

TOPIC NAVB 2 - THE EARTH

Subtopic NAVB 2.1 - Place and movement of the Earth
Subtopic NAVB 2.2 - System of coordinates, direction and distance
Subtopic NAVB 2.3 - Magnetism

TOPIC NAVB 3 - MAPS AND AERONAUTICAL CHARTS

Subtopic NAVB 3.1 - Maps making and projections
Subtopic NAVB 3.2 - Maps and charts used in aviation
TOPIC NAVB 4 - NAVIGATIONAL BASICS

Subtopic NAVB 4.1 - Influence of wind
Subtopic NAVB 4.2 - Speed
Subtopic NAVB 4.3 - Visual navigation
Subtopic NAVB 4.4 - Navigational aspects of flight planning

TOPIC NAVB 5 - INSTRUMENT NAVIGATION

Subtopic NAVB 5.1 - Ground-based system
Subtopic NAVB 5.2 - Inertial navigation system
Subtopic NAVB 5.3 - Satellite-based system
Subtopic NAVB 5.4 - Instrument approach procedures

TOPIC NAVB 6 - PERFORMANCE BASED NAVIGATION

Subtopic NAVB 6.1 - Principles and benefits of area navigation
Subtopic NAVB 6.2 - Introduction of PBN
Subtopic NAVB 6.3 - PBN applications

TOPIC NAVB 7 - DEVELOPMENTS IN NAVIGATION

Subtopic NAVB 7.1 - Future developments

SUBJECT 6: AIRCRAFT

TOPIC ACFTB 1 - INTRODUCTION TO AIRCRAFT

Subtopic ACFTB 1.1 - Application of units of measurement
Subtopic ACFTB 1.2 - Aviation and aircraft

TOPIC ACFTB 2 - PRINCIPLES OF FLIGHT

Subtopic ACFTB 2.1 - Forces acting on aircraft
Subtopic ACFTB 2.2 - Structural components and control of aircraft
Subtopic ACFTB 2.3 - Flight envelope

TOPIC ACFTB 3 - AIRCRAFT ENVELOPES

Subtopic ACFTB 3.1 - Aircraft categories
Subtopic ACFTB 3.2 - Wake turbulence categories
Subtopic ACFTB 3.3 - ICAO approach categories
Subtopic ACFTB 3.4 - Environmental categories

TOPIC ACFTB 4 - AIRCRAFT DATA

Subtopic ACFTB 4.1 - Recognition
Subtopic ACFTB 4.2 - Performance data

TOPIC ACFTB 5 - AIRCRAFT ENGINES

Subtopic ACFTB 5.1 - Piston engines
Subtopic ACFTB 5.2 - Jet engines
Subtopic ACFTB 5.3 - Turboprop engines
Subtopic ACFTB 5.4 - Aviation fuels

TOPIC ACFTB 6 - AIRCRAFT SYSTEMS AND INSTRUMENTS

Subtopic ACFTB 6.1 - Flight instruments
Subtopic ACFTB 6.2 - Navigational instruments
Subtopic ACFTB 6.3 - Engine instruments
Subtopic ACFTB 6.4 - Aircraft systems

TOPIC ACFTB 7 - FACTORS AFFECTING AIRCRAFT PERFORMANCE

Subtopic ACFTB 7.1 - Take-off factors
Subtopic ACFTB 7.2 - Climb factors
Subtopic ACFTB 7.3 - Cruise factors
Subtopic ACFTB 7.4 - Descent and initial approach factors
Subtopic ACFTB 7.5 - Final approach and landing factors
Subtopic ACFTB 7.6 - Economic factors
Subtopic ACFTB 7.7 - Environmental factors

SUBJECT 7: HUMAN FACTORS

TOPIC HUMB 1 - INTRODUCTION TO HUMAN FACTORS

Subtopic HUMB 1.1 - Learning techniques
Subtopic HUMB 1.2 - Relevance of human factor for ATC
Subtopic HUMB 1.3 - Human factors and ATC

TOPIC HUMB 2 - HUMAN PERFORMANCE

Subtopic HUMB 2.1 - Individual behavior
Subtopic HUMB 2.2 - Safety culture and professional conduct
Subtopic HUMB 2.3 - Health and well-being
Subtopic HUMB 2.4 - Teamwork
Subtopic HUMB 2.5 - Basic needs of people at work
Subtopic HUMB 2.6 - Stress

TOPIC HUMB 3 - HUMAN ERROR

Subtopic HUMB 3.1 - Dangers of error
Subtopic HUMB 3.2 - Definition of human error
Subtopic HUMB 3.3 - Classification of human error
Subtopic HUMB 3.4 - Risk analysis and risks management

TOPIC HUMB 4 - COMMUNICATION

Subtopic HUMB 4.1 - Importance of good communication in ATC
Subtopic HUMB 4.2 - Communication process
Subtopic HUMB 4.3 - Communication modes

TOPIC HUMB 5 - THE WORK ENVIRONMENT

Subtopic HUMB 5.1 - Ergonomics and the need for good design
Subtopic HUMB 5.2 - Equipment and tools
Subtopic HUMB 5.3 - Automation

SUBJECT 8: EQUIPMENT AND SYSTEMS

TOPIC EQPSB 1 - ATC EQUIPMENT

Subtopic EQPSB 1.1 - Main types of ATC equipment

TOPIC EQPSB 2 - RADIO

Subtopic EQPSB 2.1 - Radio theory
Subtopic EQPSB 2.2 - Direction finding

TOPIC EQPSB 3 - COMMUNICATION EQUIPMENT

Subtopic EQPSB 3.1 - Radio communications
Subtopic EQPSB 3.2 - Voice communications between ATC units/positions
Subtopic EQPSB 3.3 - Data link communications
Subtopic EQPSB 3.4 - Airline communications

TOPIC EQPSB 4 - INTRODUCTION TO SURVEILLANCE

Subtopic EQPSB 4.1 - Surveillance concept in ATS

TOPIC EQPSB 5 - RADAR

Subtopic EQPSB 5.1 - Principles of radar
Subtopic EQPSB 5.2 - Primary radar
Subtopic EQPSB 5.3 - Secondary radar
Subtopic EQPSB 5.4 - Use of radars
Subtopic EQPSB 5.5 - Mode S

TOPIC EQPSB 6 - AUTOMATIC DEPENDENT SURVEILLANCE
Subtopic EQPSB 6.1 - Principles of automatic dependent surveillance
Subtopic EQPSB 6.2 - Use of automatic dependent surveillance

TOPIC EQPSB 7 - MULTILATERATION

Subtopic EQPSB 7.1 - Principles of multilateration
Subtopic EQPSB 7.2 - Use of multilateration

TOPIC EQPSB 8 - SURVEILLANCE DATA PROCESSING

Subtopic EQPSB 8.1 - Surveillance data networking of multilateration

TOPIC EQPSB 9 - FUTURE EQUIPMENT

Subtopic EQPSB 9.1 - New developments

TOPIC EQPSB 10 - AUTOMATION IN ATS

Subtopic EQPSB 10.1 - Principles of automation
Subtopic EQPSB 10.2 - Aeronautical fixed telecommunication network (AFTN)
Subtopic EQPSB 10.3 - On-line data interchange
Subtopic EQPSB 10.4 - Systems used for the automatic dissemination of information

TOPIC EQPSB 11 - WORKING POSITIONS

Subtopic EQPSB 11.1 - Working position equipment
Subtopic EQPSB 11.2 - Aerodrome control
Subtopic EQPSB 11.3 - Approach control
Subtopic EQPSB 11.4 - Area control

SUBJECT 9: PROFESSIONAL ENVIRONMENT

TOPIC PENB 1 - FAMILIARISATION

Subtopic PENB 1.1 - ATS and aerodrome facilities

TOPIC PENB 2 - AIRSPACE USERS

Subtopic PENB 2.1 - Civil aviation
Subtopic PENB 2.2 - Military
Subtopic PENB 2.3 - Expectations and requirements of pilots

TOPIC PENB 3 - CUSTOMER RELATIONS

Subtopic PENB 3.1 - Customer relations

TOPIC PENB 4 - ENVIRONMENTAL PROTECTION

Subtopic PENB 4.1 - Environmental protection
Appendix 3 of Annex I

AERODROME CONTROL VISUAL RATING (ADV)

(Reference: Annex I - PART ATCO Subpart D, Section 2, ATCO.D.010(a)(2)(i))

TABLE OF CONTENTS

SUBJECT  INTRODUCTION TO THE COURSE
1:
SUBJECT  AVIATION LAW
2:
SUBJECT  AIR TRAFFIC MANAGEMENT
3:
SUBJECT  METEOROLOGY
4:
SUBJECT  NAVIGATION
5:
SUBJECT  AIRCRAFT
6:
SUBJECT  HUMAN FACTORS
7:
SUBJECT  EQUIPMENT AND SYSTEMS
8:
SUBJECT  PROFESSIONAL ENVIRONMENT
9:
SUBJECT  ABNORMAL AND EMERGENCY SITUATIONS
10:
SUBJECT  AERODROMES
11:

SUBJECT 1:  INTRODUCTION TO THE COURSE

TOPIC INTR 1 -  COURSE MANAGEMENT

Subtopic INTR 1.1 - Course introduction
Subtopic INTR 1.2 - Course administration
Subtopic INTR 1.3 - Study material and training documentation

TOPIC INTR 2 -  INTRODUCTION TO THE ATC TRAINING COURSE

Subtopic INTR 2.1 - Course content and organisation
Subtopic INTR 2.2 - Training ethos
Subtopic INTR 2.3 - Assessment process

SUBJECT 2:  AVIATION LAW

TOPIC LAW 1 -  ATCO LICENSING/CERTIFICATE OF COMPETENCE
Subtopic LAW 1.1 - Privileges and conditions

TOPIC LAW 2 - RULES AND REGULATIONS

Subtopic LAW 2.1 - Reports
Subtopic LAW 2.2 - Airspace

TOPIC LAW 3 - ATC SAFETY MANAGEMENT

Subtopic LAW 3.1 - Feedback process
Subtopic LAW 3.2 - Safety Investigation

SUBJECT 3: AIR TRAFFIC MANAGEMENT

TOPIC ATM 1 - PROVISION OF SERVICES

Subtopic ATM 1.1 - Aerodrome control service
Subtopic ATM 1.2 - Flight information service (FIS)
Subtopic ATM 1.3 - Alerting service (ALRS)
Subtopic ATM 1.4 - ATS system capacity and air traffic flow management

TOPIC ATM 2 - COMMUNICATION

Subtopic ATM 2.1 - Effective communication

TOPIC ATM 3 - ATC CLEARANCES AND ATC INSTRUCTIONS

Subtopic ATM 3.1 - ATC clearances
Subtopic ATM 3.2 - ATC instructions

TOPIC ATM 4 - COORDINATION

Subtopic ATM 4.1 - Necessity for coordination
Subtopic ATM 4.2 - Tools and methods for coordination
Subtopic ATM 4.3 - Coordination procedures

TOPIC ATM 5 - ALTIMETRY AND LEVEL ALLOCATION

Subtopic ATM 5.1 - Altimetry

TOPIC ATM 6 - SEPARATIONS

Subtopic ATM 6.1 - Separation between departing aircraft
Subtopic ATM 6.2 - Separation of landing aircraft and preceding landing or departing aircraft
Subtopic ATM 6.3 - Time based wake turbulence longitudinal separation
Subtopic ATM 6.4 - Reduced separation minima

TOPIC ATM 7 - AIRBORNE COLLISION AVOIDANCE SYSTEMS AND GROUND-BASED SAFETY NETS
Subtopic ATM 7.1 - Airborne collision avoidance systems
Subtopic ATM 7.2 - Ground-based safety nets

TOPIC ATM 8 - DATA DISPLAY

Subtopic ATM 8.1 - Data management

TOPIC ATM 9 - OPERATIONAL ENVIRONMENT (SIMULATED)

Subtopic ATM 9.1 - Integrity of the operational environment
Subtopic ATM 9.2 - Verification of the currency of operational procedures
Subtopic ATM 9.3 - Handover-takeover

TOPIC ATM 10 - PROVISION OF AERODROME CONTROL SERVICE

Subtopic ATM 10.1 - Responsibility for the provision
Subtopic ATM 10.2 - Functions of aerodrome control tower
Subtopic ATM 10.3 - Traffic management process
Subtopic ATM 10.4 - Aerodrome ground lights
Subtopic ATM 10.5 - Information to aircraft by aerodrome control tower
Subtopic ATM 10.6 - Control of aerodrome traffic
Subtopic ATM 10.7 - Control of traffic in the traffic circuit
Subtopic ATM 10.8 - Runway in use

SUBJECT 4: METEOROLOGY

TOPIC MET 1 - METEOROLOGICAL PHENOMENA

Subtopic MET 1.1 - Meteorological phenomena

TOPIC MET 2 - SOURCES OF METEOROLOGICAL DATA

Subtopic MET 2.1 - Meteorological instruments
Subtopic MET 2.2 - Other sources of meteorological data

SUBJECT 5: NAVIGATION

TOPIC NAV 1 - MAPS AND AERONAUTICAL CHARTS

Subtopic NAV 1.1 - Maps and charts

TOPIC NAV 2 - INSTRUMENT NAVIGATION

Subtopic NAV 2.1 - Navigational systems
Subtopic NAV 2.2 - Stabilised approach

SUBJECT 6: AIRCRAFT

TOPIC ACFT 1 - AIRCRAFT INSTRUMENTS
Subtopic ACFT 1.1 - Aircraft instruments

TOPIC ACFT 2 - AIRCRAFT CATEGORIES

Subtopic ACFT 2.1 - Wake turbulence

TOPIC ACFT 3 - FACTORS AFFECTING AIRCRAFT PERFORMANCE

Subtopic ACFT 3.1 - Take-off factors
Subtopic ACFT 3.2 - Climb factors
Subtopic ACFT 3.3 - Final approach and landing factors
Subtopic ACFT 3.4 - Economic factors
Subtopic ACFT 3.6 - Environmental factors

TOPIC ACFT 4 - AIRCRAFT DATA

Subtopic ACFT 4.1 - Recognition of aircraft types
Subtopic ACFT 4.2 - Performance data

SUBJECT 7: HUMAN FACTORS

TOPIC HUM 1 - PSYCHOLOGICAL FACTORS

Subtopic HUM 1.1 - Cognitive

TOPIC HUM 2 - MEDICAL AND PHYSIOLOGICAL FACTORS

Subtopic HUM 2.1 - Fatigue
Subtopic HUM 2.2 - Fitness

TOPIC HUM 3 - SOCIAL AND ORGANISATIONAL FACTORS

Subtopic HUM 3.1 - Team resource management (TRM)
Subtopic HUM 3.2 - Teamwork and team roles
Subtopic HUM 3.3 - Responsible behaviour

TOPIC HUM 4 - STRESS

Subtopic HUM 4.1 - Stress
Subtopic HUM 4.2 - Stress management

TOPIC HUM 5 - HUMAN ERROR

Subtopic HUM 5.1 - Human error
Subtopic HUM 5.2 - Violation of rules

TOPIC HUM 6 - COLLABORATIVE WORK

Subtopic HUM 6.1 - Communication
Subtopic HUM 6.2 - Collaborative work within the same area of responsibility
Subtopic HUM 6.3 - Collaborative work between different areas of responsibility
Subtopic HUM 6.4 - Controller/pilot cooperation

SUBJECT 8: EQUIPMENT AND SYSTEMS

TOPIC EQPS 1 - VOICE COMMUNICATIONS
   Subtopic EQPS 1.1 - Radio communications
   Subtopic EQPS 1.2 - Other voice communications

TOPIC EQPS 2 - AUTOMATION IN ATS
   Subtopic EQPS 2.1 - Aeronautical fixed telecommunication network (AFTN)
   Subtopic EQPS 2.2 - Automatic data interchange

TOPIC EQPS 3 - CONTROLLER WORKING POSITION
   Subtopic EQPS 3.1 - Operation and monitoring of equipment
   Subtopic EQPS 3.2 - Situation displays and information systems
   Subtopic EQPS 3.3 - Flight data systems

TOPIC EQPS 4 - FUTURE EQUIPMENT
   Subtopic EQPS 4.1 - New developments

TOPIC EQPS 5 - EQUIPMENT AND SYSTEMS LIMITATIONS AND DEGRADATION
   Subtopic EQPS 5.1 - Reaction to limitations
   Subtopic EQPS 5.2 - Communication equipment degradation
   Subtopic EQPS 5.3 - Navigational equipment degradation

SUBJECT 9: PROFESSIONAL ENVIRONMENT

TOPIC PEN 1 - FAMILIARISATION
   Subtopic PEN 1.1 - Study visit to aerodrome

TOPIC PEN 2 - AIRSPACE USERS
   Subtopic PEN 2.1 - Contributors to civil ATS operations
   Subtopic PEN 2.2 - Contributors to military ATS operations

TOPIC PEN 3 - CUSTOMER RELATIONS
   Subtopic PEN 3.1 - Provision of services and user requirements

TOPIC PEN 4 - ENVIRONMENTAL PROTECTION
   Subtopic PEN 4.1 - Environmental protection
SUBJECT 10: ABNORMAL AND EMERGENCY SITUATIONS

TOPIC ABES 1 - ABNORMAL AND EMERGENCY SITUATIONS (ABES)

Subtopic ABES 1.1 - Overview of ABES

TOPIC ABES 2 - SKILLS IMPROVEMENT

Subtopic ABES 2.1 - Communication effectiveness
Subtopic ABES 2.2 - Avoidance of mental overload
Subtopic ABES 2.3 - Air/ground cooperation

TOPIC ABES 3 - PROCEDURES FOR ABNORMAL AND EMERGENCY SITUATIONS

Subtopic ABES 3.1 - Application of procedures for ABES
Subtopic ABES 3.2 - Radio failure
Subtopic ABES 3.3 - Unlawful interference and aircraft bomb threat
Subtopic ABES 3.4 - Strayed or unidentified aircraft
Subtopic ABES 3.5 - Runway incursion

SUBJECT 11: AERODROMES

TOPIC AGA 1 - AERODROME DATA, LAYOUT AND COORDINATION

Subtopic AGA 1.1 - Definitions
Subtopic AGA 1.2 - Coordination

TOPIC AGA 2 - MOVEMENT AREA

Subtopic AGA 2.1 - Movement area
Subtopic AGA 2.2 - Manoeuvring area
Subtopic AGA 2.3 - Runways

TOPIC AGA 3 - OBSTACLES

Subtopic AGA 3.1 - Obstacle-free airspace around aerodromes

TOPIC AGA 4 - MISCELLANEOUS EQUIPMENT

Subtopic AGA 4.1 - Location
Appendix 4 of Annex I

AERODROME CONTROL INSTRUMENT RATING FOR TOWER ADI (TWR)

(Reference: Annex I - PART ATCO Subpart D, Section 2, ATCO.D.010(a)(2)(ii))

TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>SUBJECT</th>
<th>INTRODUCTION TO THE COURSE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:</td>
<td></td>
</tr>
<tr>
<td>2:</td>
<td>AVIATION LAW</td>
</tr>
<tr>
<td>3:</td>
<td>AIR TRAFFIC MANAGEMENT</td>
</tr>
<tr>
<td>4:</td>
<td>METEOROLOGY</td>
</tr>
<tr>
<td>5:</td>
<td>NAVIGATION</td>
</tr>
<tr>
<td>6:</td>
<td>AIRCRAFT</td>
</tr>
<tr>
<td>7:</td>
<td>HUMAN FACTORS</td>
</tr>
<tr>
<td>8:</td>
<td>EQUIPMENT AND SYSTEMS</td>
</tr>
<tr>
<td>9:</td>
<td>PROFESSIONAL ENVIRONMENT</td>
</tr>
<tr>
<td>10:</td>
<td>ABNORMAL AND EMERGENCY SITUATIONS</td>
</tr>
<tr>
<td>11:</td>
<td>AERODROMES</td>
</tr>
</tbody>
</table>

SUBJECT 1: INTRODUCTION TO THE COURSE

TOPIC INTR 1 - COURSE MANAGEMENT

Subtopic INTR 1.1 - Course introduction
Subtopic INTR 1.2 - Course administration
Subtopic INTR 1.3 - Study material and training documentation

TOPIC INTR 2 - INTRODUCTION TO THE ATC TRAINING COURSE

Subtopic INTR 2.1 - Course content and organisation
Subtopic INTR 2.2 - Training ethos
Subtopic INTR 2.3 - Assessment process

SUBJECT 2: AVIATION LAW

TOPIC LAW 1 - ATCO LICENSING/CERTIFICATE OF COMPETENCE
Subtopic LAW 1.1 - Privileges and conditions

TOPIC LAW 2 - RULES AND REGULATIONS

Subtopic LAW 2.1 - Reports
Subtopic LAW 2.2 - Airspace

TOPIC LAW 3 - ATC SAFETY MANAGEMENT

Subtopic LAW 3.1 - Feedback process
Subtopic LAW 3.2 - Safety Investigation

SUBJECT 3: AIR TRAFFIC MANAGEMENT

TOPIC ATM 1 - PROVISION OF SERVICES

Subtopic ATM 1.1 - Aerodrome control service
Subtopic ATM 1.2 - Flight information service (FIS)
Subtopic ATM 1.3 - Alerting service (ALRS)
Subtopic ATM 1.4 - ATS system capacity and air traffic flow management

TOPIC ATM 2 - COMMUNICATION

Subtopic ATM 2.1 - Effective communication

TOPIC ATM 3 - ATC CLEARANCES AND ATC INSTRUCTIONS

Subtopic ATM 3.1 - ATC clearances
Subtopic ATM 3.2 - ATC instructions

TOPIC ATM 4 - COORDINATION

Subtopic ATM 4.1 - Necessity for coordination
Subtopic ATM 4.2 - Tools and methods for coordination
Subtopic ATM 4.3 - Coordination procedures

TOPIC ATM 5 - ALTIMETRY AND LEVEL ALLOCATION

Subtopic ATM 5.1 - Altimetry
Subtopic ATM 5.2 - Terrain clearance

TOPIC ATM 6 - SEPARATIONS

Subtopic ATM 6.1 - Separation between departing aircraft
Subtopic ATM 6.2 - Separation of landing aircraft and preceding landing or departing aircraft
Subtopic ATM 6.3 - Time based wake turbulence longitudinal separation
Subtopic ATM 6.4 - Reduced separation minima
TOPIC ATM 7 - AIRBORNE COLLISION AVOIDANCE SYSTEMS AND GROUND-BASED SAFETY NETS

Subtopic ATM 7.1 - Airborne collision avoidance systems
Subtopic ATM 7.2 - Ground-based safety nets

TOPIC ATM 8 - DATA DISPLAY

Subtopic ATM 8.1 - Data management

TOPIC ATM 9 - OPERATIONAL ENVIRONMENT (SIMULATED)

Subtopic ATM 9.1 - Integrity of the operational environment
Subtopic ATM 9.2 - Verification of the currency of operational procedures
Subtopic ATM 9.3 - Handover-takeover

TOPIC ATM 10 - PROVISION OF AERODROME CONTROL SERVICE

Subtopic ATM 10.1 - Responsibility for the provision
Subtopic ATM 10.2 - Functions of aerodrome control tower
Subtopic ATM 10.3 - Traffic management process
Subtopic ATM 10.4 - Aerodrome ground lights
Subtopic ATM 10.5 - Information to aircraft by aerodrome control tower
Subtopic ATM 10.6 - Control of aerodrome traffic
Subtopic ATM 10.7 - Control of traffic in the traffic circuit
Subtopic ATM 10.8 - Runway in use

TOPIC ATM 11 - PROVISION OF AERODROME CONTROL - INSTRUMENT

Subtopic ATM 11.1 - Low visibility operations and special VFR
Subtopic ATM 11.2 - Departing traffic
Subtopic ATM 11.3 - Arriving traffic
Subtopic ATM 11.4 - Aerodrome control service with advanced system support

SUBJECT 4: METEOROLOGY

TOPIC MET 1 - METEOROLOGICAL PHENOMENA

Subtopic MET 1.1 - Meteorological phenomena

TOPIC MET 2 - SOURCES OF METEOROLOGICAL DATA

Subtopic MET 2.1 - Meteorological instruments
Subtopic MET 2.2 - Other sources of meteorological data

SUBJECT 5: NAVIGATION

TOPIC NAV 1 - MAPS AND AERONAUTICAL CHARTS
Subtopic NAV 1.1 - Maps and charts

TOPIC NAV 2 - INSTRUMENT NAVIGATION

Subtopic NAV 2.1 - Navigational systems
Subtopic NAV 2.2 - Stabilised approach
Subtopic NAV 2.3 - Instrument departures and arrivals
Subtopic NAV 2.4 - Satellite-based systems
Subtopic NAV 2.5 - PBN applications

SUBJECT 6: AIRCRAFT

TOPIC ACFT 1 - AIRCRAFT INSTRUMENTS

Subtopic ACFT 1.1 - Aircraft instruments

TOPIC ACFT 2 - AIRCRAFT CATEGORIES

Subtopic ACFT 2.1 - Wake turbulence
Subtopic ACFT 2.2 - Application of ICAO approach categories

TOPIC ACFT 3 - FACTORS AFFECTING AIRCRAFT PERFORMANCE

Subtopic ACFT 3.1 - Take-off factors
Subtopic ACFT 3.2 - Climb factors
Subtopic ACFT 3.3 - Final approach and landing factors
Subtopic ACFT 3.4 - Economic factors
Subtopic ACFT 3.6 - Environmental factors

TOPIC ACFT 4 - AIRCRAFT DATA

Subtopic ACFT 4.1 - Recognition of aircraft types
Subtopic ACFT 4.2 - Performance data

SUBJECT 7: HUMAN FACTORS

TOPIC HUM 1 - PSYCHOLOGICAL FACTORS

Subtopic HUM 1.1 - Cognitive

TOPIC HUM 2 - MEDICAL AND PHYSIOLOGICAL FACTORS

Subtopic HUM 2.1 - Fatigue
Subtopic HUM 2.2 - Fitness

TOPIC HUM 3 - SOCIAL AND ORGANISATIONAL FACTORS

Subtopic HUM 3.1 - Team resource management (TRM)
Subtopic HUM 3.2 - Teamwork and team roles
Subtopic HUM 3.3 - Responsible behaviour

TOPIC HUM 4 - STRESS
Subtopic HUM 4.1 - Stress
Subtopic HUM 4.2 - Stress management

TOPIC HUM 5 - HUMAN ERROR
Subtopic HUM 5.1 - Human error
Subtopic HUM 5.2 - Violation of rules

TOPIC HUM 6 - COLLABORATIVE WORK
Subtopic HUM 6.1 - Communication
Subtopic HUM 6.2 - Collaborative work within the same area of responsibility
Subtopic HUM 6.3 - Collaborative work between different areas of responsibility
Subtopic HUM 6.4 - Controller/pilot cooperation

SUBJECT 8: EQUIPMENT AND SYSTEMS

TOPIC EQPS 1 - VOICE COMMUNICATIONS
Subtopic EQPS 1.1 - Radio communications
Subtopic EQPS 1.2 - Other voice communications

TOPIC EQPS 2 - AUTOMATION IN ATS
Subtopic EQPS 2.1 - Aeronautical fixed telecommunication network (AFTN)
Subtopic EQPS 2.2 - Automatic data interchange

TOPIC EQPS 3 - CONTROLLER WORKING POSITION
Subtopic EQPS 3.1 - Operation and monitoring of equipment
Subtopic EQPS 3.2 - Situation displays and information systems
Subtopic EQPS 3.3 - Flight data systems

TOPIC EQPS 4 - FUTURE EQUIPMENT
Subtopic EQPS 4.1 - New developments

TOPIC EQPS 5 - EQUIPMENT AND SYSTEMS LIMITATIONS AND DEGRADATION
Subtopic EQPS 5.1 - Reaction to limitations
Subtopic EQPS 5.2 - Communication equipment degradation
Subtopic EQPS 5.3 - Navigational equipment degradation
SUBJECT 9: PROFESSIONAL ENVIRONMENT

TOPIC PEN 1 - FAMILIARISATION

Subtopic PEN 1.1 - Study visit to aerodrome

TOPIC PEN 2 - AIRSPACE USERS

Subtopic PEN 2.1 - Contributors to civil ATS operations
Subtopic PEN 2.2 - Contributors to military ATS operations

TOPIC PEN 3 - CUSTOMER RELATIONS

Subtopic PEN 3.1 - Provision of services and user requirements

TOPIC PEN 4 - ENVIRONMENTAL PROTECTION

Subtopic PEN 4.1 - Environmental protection

SUBJECT 10: ABNORMAL AND EMERGENCY SITUATIONS

TOPIC ABES 1 - ABNORMAL AND EMERGENCY SITUATIONS (ABES)

Subtopic ABES 1.1 - Overview of ABES

TOPIC ABES 2 - SKILLS IMPROVEMENT

Subtopic ABES 2.1 - Communication effectiveness
Subtopic ABES 2.2 - Avoidance of mental overload
Subtopic ABES 2.3 - Air/ground cooperation

TOPIC ABES 3 - PROCEDURES FOR ABNORMAL AND EMERGENCY SITUATIONS

Subtopic ABES 3.1 - Application of procedures for ABES
Subtopic ABES 3.2 - Radio failure
Subtopic ABES 3.3 - Unlawful interference and aircraft bomb threat
Subtopic ABES 3.4 - Strayed or unidentified aircraft
Subtopic ABES 3.5 - Runway incursion

SUBJECT 11: AERODROMES

TOPIC AGA 1 - AERODROME DATA, LAYOUT AND COORDINATION

Subtopic AGA 1.1 - Definitions
Subtopic AGA 1.2 - Coordination

TOPIC AGA 2 - MOVEMENT AREA

Subtopic AGA 2.1 - Movement area
Subtopic AGA 2.2 - Manoeuvring area
Subtopic AGA 2.3 - Runways

TOPIC AGA 3 - OBSTACLES

Subtopic AGA 3.1 - Obstacle-free airspace around aerodromes

TOPIC AGA 4 - MISCELLANEOUS EQUIPMENT

Subtopic AGA 4.1 - Location
Appendix 5 of Annex I

APPROACH CONTROL PROCEDURAL RATING (APP)

(Reference: Annex I - PART ATCO Subpart D, Section 2, ATCO.D.010(a)(2)(iii))

TABLE OF CONTENTS

SUBJECT 1: INTRODUCTION TO THE COURSE
SUBJECT 2: AVIATION LAW
SUBJECT 3: AIR TRAFFIC MANAGEMENT
SUBJECT 4: METEOROLOGY
SUBJECT 5: NAVIGATION
SUBJECT 6: AIRCRAFT
SUBJECT 7: HUMAN FACTORS
SUBJECT 8: EQUIPMENT AND SYSTEMS
SUBJECT 9: PROFESSIONAL ENVIRONMENT
SUBJECT 10: ABNORMAL AND EMERGENCY SITUATIONS
SUBJECT 11: AERODROMES

SUBJECT 1: INTRODUCTION TO THE COURSE

TOPIC INTR 1 - COURSE MANAGEMENT

Subtopic INTR 1.1 - Course introduction
Subtopic INTR 1.2 - Course administration
Subtopic INTR 1.3 - Study material and training documentation

TOPIC INTR 2 - INTRODUCTION TO THE ATC TRAINING COURSE

Subtopic INTR 2.1 - Course content and organisation
Subtopic INTR 2.2 - Training ethos
Subtopic INTR 2.3 - Assessment process

SUBJECT 2: AVIATION LAW

TOPIC LAW 1 - ATCO LICENSING/CERTIFICATE OF COMPETENCE

Subtopic LAW 1.1 - Privileges and conditions

TOPIC LAW 2 - RULES AND REGULATIONS

Subtopic LAW 2.1 - Reports
Subtopic LAW 2.2 - Airspace

TOPIC LAW 3 - ATC SAFETY MANAGEMENT
SUBJECT 3: AIR TRAFFIC MANAGEMENT

TOPIC ATM 1 - PROVISION OF SERVICES

Subtopic ATM 1.1 - Air traffic control (ATC) service
Subtopic ATM 1.2 - Flight information service (FIS)
Subtopic ATM 1.3 - Alerting service (ALRS)
Subtopic ATM 1.4 - ATS system capacity and air traffic flow management
Subtopic ATM 1.5 - Airspace management (ASM)

TOPIC ATM 2 - COMMUNICATION

Subtopic ATM 2.1 - Effective communication

TOPIC ATM 3 - ATC CLEARANCES AND ATC INSTRUCTIONS

Subtopic ATM 3.1 - ATC clearances
Subtopic ATM 3.2 - ATC instructions

TOPIC ATM 4 - COORDINATION

Subtopic ATM 4.1 - Necessity for coordination
Subtopic ATM 4.2 - Tools and methods for coordination
Subtopic ATM 4.3 - Coordination procedures

TOPIC ATM 5 - ALTIMETRY AND LEVEL ALLOCATION

Subtopic ATM 5.1 - Altimetry
Subtopic ATM 5.2 - Terrain clearance

TOPIC ATM 6 - SEPARATIONS

Subtopic ATM 6.1 - Vertical separation
Subtopic ATM 6.2 - Horizontal separation
Subtopic ATM 6.3 - Delegation of separation

TOPIC ATM 7 - AIRBORNE COLLISION AVOIDANCE SYSTEMS AND GROUND-BASED SAFETY NETS

Subtopic ATM 7.1 - Airborne collision avoidance systems

TOPIC ATM 8 - DATA DISPLAY

Subtopic ATM 8.1 - Data management

TOPIC ATM 9 - OPERATIONAL ENVIRONMENT (SIMULATED)
Subtopic ATM 9.1 - Integrity of the operational environment
Subtopic ATM 9.2 - Verification of the currency of operational procedures
Subtopic ATM 9.3 - Handover-takeover

TOPIC ATM 10 - PROVISION OF CONTROL SERVICE

Subtopic ATM 10.1 - Responsibility and processing of information
Subtopic ATM 10.2 - Approach control
Subtopic ATM 10.3 - Traffic management process
Subtopic ATM 10.4 - Handling traffic

TOPIC ATM 11 - HOLDING

Subtopic ATM 11.1 - General holding procedures
Subtopic ATM 11.2 - Approaching aircraft

SUBJECT 4: METEOROLOGY

TOPIC MET 1 - METEOROLOGICAL PHENOMENA

Subtopic MET 1.1 - Meteorological phenomena

TOPIC MET 2 - SOURCES OF METEOROLOGICAL DATA

Subtopic MET 2.1 - Sources of meteorological information

SUBJECT 5: NAVIGATION

TOPIC NAV 1 - MAPS AND AERONAUTICAL CHARTS

Subtopic NAV 1.1 - Maps and charts

TOPIC NAV 2 - INSTRUMENT NAVIGATION

Subtopic NAV 2.1 - Navigational systems
Subtopic NAV 2.2 - Stabilised approach
Subtopic NAV 2.3 - Instrument departures and arrivals
Subtopic NAV 2.4 - Navigational assistance
Subtopic NAV 2.5 - Satellite-based systems
Subtopic NAV 2.6 - PBN applications

SUBJECT 6: AIRCRAFT

TOPIC ACFT 1 - AIRCRAFT INSTRUMENTS

Subtopic ACFT 1.1 - Aircraft instruments

TOPIC ACFT 2 - AIRCRAFT CATEGORIES
Subtopic ACFT 2.1 - Wake turbulence
Subtopic ACFT 2.2 - Application of ICAO approach categories

TOPIC ACFT 3 - FACTORS AFFECTING AIRCRAFT PERFORMANCE

Subtopic ACFT 3.1 - Climb factors
Subtopic ACFT 3.2 - Cruise factors
Subtopic ACFT 3.3 - Descent and initial approach factors
Subtopic ACFT 3.4 - Final approach and landing factors
Subtopic ACFT 3.5 - Economic factors
Subtopic ACFT 3.6 - Environmental factors

TOPIC ACFT 4 - AIRCRAFT DATA

Subtopic ACFT 4.1 - Performance data

SUBJECT 7: HUMAN FACTORS

TOPIC HUM 1 - PSYCHOLOGICAL FACTORS

Subtopic HUM 1.1 - Cognitive

TOPIC HUM 2 - MEDICAL AND PHYSIOLOGICAL FACTORS

Subtopic HUM 2.1 - Fatigue
Subtopic HUM 2.2 - Fitness

TOPIC HUM 3 - SOCIAL AND ORGANISATIONAL FACTORS

Subtopic HUM 3.1 - Team resource management (TRM)
Subtopic HUM 3.2 - Teamwork and team roles
Subtopic HUM 3.3 - Responsible behaviour

TOPIC HUM 4 - STRESS

Subtopic HUM 4.1 - Stress
Subtopic HUM 4.2 - Stress management

TOPIC HUM 5 - HUMAN ERROR

Subtopic HUM 5.1 - Human error
Subtopic HUM 5.2 - Violation of rules

TOPIC HUM 6 - COLLABORATIVE WORK

Subtopic HUM 6.1 - Communication
Subtopic HUM 6.2 - Collaborative work within the same area of responsibility
Subtopic HUM 6.3 - Collaborative work between different areas of responsibility
Subtopic HUM 6.4 - Controller/pilot cooperation

SUBJECT 8:  EQUIPMENT AND SYSTEMS

TOPIC EQPS 1 -  VOICE COMMUNICATIONS

Subtopic EQPS 1.1 - Radio communications
Subtopic EQPS 1.2 - Other voice communications

TOPIC EQPS 2 -  AUTOMATION IN ATS

Subtopic EQPS 2.1 - Aeronautical fixed telecommunication network (AFTN)
Subtopic EQPS 2.2 - Automatic data interchange

TOPIC EQPS 3 -  CONTROLLER WORKING POSITION

Subtopic EQPS 3.1 - Operation and monitoring of equipment
Subtopic EQPS 3.2 - Situation displays and information systems
Subtopic EQPS 3.3 - Flight data systems

TOPIC EQPS 4 -  FUTURE EQUIPMENT

Subtopic EQPS 4.1 - New developments

TOPIC EQPS 5 -  EQUIPMENT AND SYSTEMS LIMITATIONS AND DEGRADATION

Subtopic EQPS 5.1 - Reaction to limitations
Subtopic EQPS 5.2 - Communication equipment degradation
Subtopic EQPS 5.3 - Navigational equipment degradation

SUBJECT 9:  PROFESSIONAL ENVIRONMENT

TOPIC PEN 1 -  FAMILIARISATION

Subtopic PEN 1.1 - Study visit to approach control unit

TOPIC PEN 2 -  AIRSPACE USERS

Subtopic PEN 2.1 - Contributors to civil ATS operations
Subtopic PEN 2.2 - Contributors to military ATS operations

TOPIC PEN 3 -  CUSTOMER RELATIONS

Subtopic PEN 3.1 - Provision of services and user requirements

TOPIC PEN 4 -  ENVIRONMENTAL PROTECTION

Subtopic PEN 4.1 - Environmental protection
SUBJECT 10: ABNORMAL AND EMERGENCY SITUATIONS

TOPIC ABES 1 - ABNORMAL AND EMERGENCY SITUATIONS (ABES)

Subtopic ABES 1.1 - Overview of ABES

TOPIC ABES 2 - SKILLS IMPROVEMENT

Subtopic ABES 2.1 - Communication effectiveness
Subtopic ABES 2.2 - Avoidance of mental overload
Subtopic ABES 2.3 - Air/ground cooperation

TOPIC ABES 3 - PROCEDURES FOR ABNORMAL AND EMERGENCY SITUATIONS

Subtopic ABES 3.1 - Application of procedures for ABES
Subtopic ABES 3.2 - Radio failure
Subtopic ABES 3.3 - Unlawful interference and aircraft bomb threat
Subtopic ABES 3.4 - Strayed or unidentified aircraft
Subtopic ABES 3.5 - Diversions

SUBJECT 11: AERODROMES

TOPIC AGA 1 - AERODROME DATA, LAYOUT AND COORDINATION

Subtopic AGA 1.1 - Definitions
Subtopic AGA 1.2 - Coordination

TOPIC AGA 2 - MOVEMENT AREA

Subtopic AGA 2.1 - Movement area
Subtopic AGA 2.2 - Manoeuvring area
Subtopic AGA 2.3 - Runways

TOPIC AGA 3 - OBSTACLES

Subtopic AGA 3.1 - Obstacle-free airspace around aerodromes

TOPIC AGA 4 - MISCELLANEOUS EQUIPMENT

Subtopic AGA 4.1 - Location
Appendix 6 of Annex I

AREA CONTROL PROCEDURAL RATING (ACP)

(Reference: Annex I - PART ATCO Subpart D, Section 2, ATCO.D.010(a)(2)(iv))

TABLE OF CONTENTS

SUBJECT 1: INTRODUCTION TO THE COURSE
SUBJECT 2: AVIATION LAW
SUBJECT 3: AIR TRAFFIC MANAGEMENT
SUBJECT 4: METEOROLOGY
SUBJECT 5: NAVIGATION
SUBJECT 6: AIRCRAFT
SUBJECT 7: HUMAN FACTORS
SUBJECT 8: EQUIPMENT AND SYSTEMS
SUBJECT 9: PROFESSIONAL ENVIRONMENT
SUBJECT 10: ABNORMAL AND EMERGENCY SITUATIONS

SUBJECT 1: INTRODUCTION TO THE COURSE

TOPIC INTR 1 - COURSE MANAGEMENT

Subtopic INTR 1.1 - Course introduction
Subtopic INTR 1.2 - Course administration
Subtopic INTR 1.3 - Study material and training documentation

TOPIC INTR 2 - INTRODUCTION TO THE ATC TRAINING COURSE

Subtopic INTR 2.1 - Course content and organisation
Subtopic INTR 2.2 - Training ethos
Subtopic INTR 2.3 - Assessment process

SUBJECT 2: AVIATION LAW

TOPIC LAW 1 - ATCO LICENSING/CERTIFICATE OF COMPETENCE

Subtopic LAW 1.1 - Privileges and conditions

TOPIC LAW 2 - RULES AND REGULATIONS

Subtopic LAW 2.1 - Reports
Subtopic LAW 2.2 - Airspace

TOPIC LAW 3 - ATC SAFETY MANAGEMENT
SUBJECT 3: AIR TRAFFIC MANAGEMENT

TOPIC ATM 1 - PROVISION OF SERVICES

Subtopic ATM 1.1 - Air traffic control (ATC) service
Subtopic ATM 1.2 - Flight information service (FIS)
Subtopic ATM 1.3 - Alerting service (ALRS)
Subtopic ATM 1.4 - ATS system capacity and air traffic flow management
Subtopic ATM 1.5 - Airspace management (ASM)

TOPIC ATM 2 - COMMUNICATION

Subtopic ATM 2.1 - Effective communication

TOPIC ATM 3 - ATC CLEARANCES AND ATC INSTRUCTIONS

Subtopic ATM 3.1 - ATC clearances
Subtopic ATM 3.2 - ATC instructions

TOPIC ATM 4 - COORDINATION

Subtopic ATM 4.1 - Necessity for coordination
Subtopic ATM 4.2 - Tools and methods for coordination
Subtopic ATM 4.3 - Coordination procedures

TOPIC ATM 5 - ALTIMETRY AND LEVEL ALLOCATION

Subtopic ATM 5.1 - Altimetry
Subtopic ATM 5.2 - Terrain clearance

TOPIC ATM 6 - SEPARATIONS

Subtopic ATM 6.1 - Vertical separation
Subtopic ATM 6.2 - Horizontal separation

TOPIC ATM 7 - AIRBORNE COLLISION AVOIDANCE SYSTEMS AND GROUND-BASED SAFETY NETS

Subtopic ATM 7.1 - Airborne collision avoidance systems

TOPIC ATM 8 - DATA DISPLAY

Subtopic ATM 8.1 - Data management

TOPIC ATM 9 - OPERATIONAL ENVIRONMENT (SIMULATED)

Subtopic ATM 9.1 - Integrity of the operational environment
Subtopic ATM 9.2 - Verification of the currency of operational procedures  
Subtopic ATM 9.3 - Handover-takeover

TOPIC ATM 10 - PROVISION OF CONTROL SERVICE

Subtopic ATM 10.1 - Responsibility and processing of information  
Subtopic ATM 10.2 - Area control  
Subtopic ATM 10.3 - Traffic management process  
Subtopic ATM 10.4 - Handling traffic

TOPIC ATM 11 - HOLDING

Subtopic ATM 11.1 - General holding procedures  
Subtopic ATM 11.2 - Holding aircraft

SUBJECT 4: METEOROLOGY

TOPIC MET 1 - METEOROLOGICAL PHENOMENA

Subtopic MET 1.1 - Meteorological phenomena

TOPIC MET 2 - SOURCES OF METEOROLOGICAL DATA

Subtopic MET 2.1 - Sources of meteorological information

SUBJECT 5: NAVIGATION

TOPIC NAV 1 - MAPS AND AERONAUTICAL CHARTS

Subtopic NAV 1.1 - Maps and charts

TOPIC NAV 2 - INSTRUMENT NAVIGATION

Subtopic NAV 2.1 - Navigational systems  
Subtopic NAV 2.2 - Navigational assistance  
Subtopic NAV 2.3 - PBN applications

SUBJECT 6: AIRCRAFT

TOPIC ACFT 1 - AIRCRAFT INSTRUMENTS

Subtopic ACFT 1.1 - Aircraft instruments

TOPIC ACFT 2 - AIRCRAFT CATEGORIES

Subtopic ACFT 2.1 - Wake turbulence

TOPIC ACFT 3 - FACTORS AFFECTING AIRCRAFT PERFORMANCE

Subtopic ACFT 3.1 - Climb factors
Subtopic ACFT 3.2 - Cruise factors
Subtopic ACFT 3.3 - Descent factors
Subtopic ACFT 3.4 - Economic factors
Subtopic ACFT 3.5 - Environmental factors

TOPIC ACFT 4 - AIRCRAFT DATA
Subtopic ACFT 4.1 - Performance data

SUBJECT 7: HUMAN FACTORS

TOPIC HUM 1 - PSYCHOLOGICAL FACTORS
Subtopic HUM 1.1 - Cognitive

TOPIC HUM 2 - MEDICAL AND PHYSIOLOGICAL FACTORS
Subtopic HUM 2.1 - Fatigue
Subtopic HUM 2.2 - Fitness

TOPIC HUM 3 - SOCIAL AND ORGANISATIONAL FACTORS
Subtopic HUM 3.1 - Team resource management (TRM)
Subtopic HUM 3.2 - Teamwork and team roles
Subtopic HUM 3.3 - Responsible behaviour

TOPIC HUM 4 - STRESS
Subtopic HUM 4.1 - Stress
Subtopic HUM 4.2 - Stress management

TOPIC HUM 5 - HUMAN ERROR
Subtopic HUM 5.1 - Human error
Subtopic HUM 5.2 - Violation of rules

TOPIC HUM 6 - COLLABORATIVE WORK
Subtopic HUM 6.1 - Communication
Subtopic HUM 6.2 - Collaborative work within the same area of responsibility
Subtopic HUM 6.3 - Collaborative work between different areas of responsibility
Subtopic HUM 6.4 - Controller/pilot cooperation

SUBJECT 8: EQUIPMENT AND SYSTEMS

TOPIC EQPS 1 - VOICE COMMUNICATIONS
Subtopic EQPS 1.1 - Radio communications
Subtopic EQPS 1.2 - Other voice communications

TOPIC EQPS 2 - AUTOMATION IN ATS

Subtopic EQPS 2.1 - Aeronautical fixed telecommunication network (AFTN)
Subtopic EQPS 2.2 - Automatic data interchange

TOPIC EQPS 3 - CONTROLLER WORKING POSITION

Subtopic EQPS 3.1 - Operation and monitoring of equipment
Subtopic EQPS 3.2 - Situation displays and information systems
Subtopic EQPS 3.3 - Flight data systems

TOPIC EQPS 4 - FUTURE EQUIPMENT

Subtopic EQPS 4.1 - New developments

TOPIC EQPS 5 - EQUIPMENT AND SYSTEMS LIMITATIONS AND DEGRADATION

Subtopic EQPS 5.1 - Reaction to limitations
Subtopic EQPS 5.2 - Communication equipment degradation
Subtopic EQPS 5.3 - Navigational equipment degradation

SUBJECT 9: PROFESSIONAL ENVIRONMENT

TOPIC PEN 1 - FAMILIARISATION

Subtopic PEN 1.1 - Study visit to area control centre

TOPIC PEN 2 - AIRSPACE USERS

Subtopic PEN 2.1 - Contributors to civil ATS operations
Subtopic PEN 2.2 - Contributors to military ATS operations

TOPIC PEN 3 - CUSTOMER RELATIONS

Subtopic PEN 3.1 - Provision of services and user requirements

TOPIC PEN 4 - ENVIRONMENTAL PROTECTION

Subtopic PEN 4.1 - Environmental protection

SUBJECT 10: ABNORMAL AND EMERGENCY SITUATIONS

TOPIC ABES 1 - ABNORMAL AND EMERGENCY SITUATIONS (ABES)

Subtopic ABES 1.1 - Overview of ABES

TOPIC ABES 2 - SKILLS IMPROVEMENT

Subtopic ABES 2.1 - Communication effectiveness
Subtopic ABES 2.2 - Avoidance of mental overload
Subtopic ABES 2.3 - Air/ground cooperation

TOPIC ABES 3 - PROCEDURES FOR ABNORMAL AND EMERGENCY SITUATIONS

Subtopic ABES 3.1 - Application of procedures for ABES
Subtopic ABES 3.2 - Radio failure
Subtopic ABES 3.3 - Unlawful interference and aircraft bomb threat
Subtopic ABES 3.4 - Strayed or unidentified aircraft
Subtopic ABES 3.5 - Diversions
Appendix 7 of Annex I

AREA CONTROL SURVEILLANCE RATING (APS)

(Reference: Annex I - PART ATCO Subpart D, Section 2, ATCO.D.010(a)(2)(v))

TABLE OF CONTENTS

SUBJECT 1: INTRODUCTION TO THE COURSE
SUBJECT 2: AVIATION LAW
SUBJECT 3: AIR TRAFFIC MANAGEMENT
SUBJECT 4: METEOROLOGY
SUBJECT 5: NAVIGATION
SUBJECT 6: AIRCRAFT
SUBJECT 7: HUMAN FACTORS
SUBJECT 8: EQUIPMENT AND SYSTEMS
SUBJECT 9: PROFESSIONAL ENVIRONMENT
SUBJECT 10: ABNORMAL AND EMERGENCY SITUATIONS
SUBJECT 11: AERODROMES

SUBJECT 1: INTRODUCTION TO THE COURSE

TOPIC INTR 1 - COURSE MANAGEMENT

Subtopic INTR 1.1 - Course introduction
Subtopic INTR 1.2 - Course administration
Subtopic INTR 1.3 - Study material and training documentation

TOPIC INTR 2 - INTRODUCTION TO THE ATC TRAINING COURSE

Subtopic INTR 2.1 - Course content and organisation
Subtopic INTR 2.2 - Training ethos
Subtopic INTR 2.3 - Assessment process

SUBJECT 2: AVIATION LAW

TOPIC LAW 1 - ATCO LICENSING/CERTIFICATE OF COMPETENCE

Subtopic LAW 1.1 - Privileges and conditions

TOPIC LAW 2 - RULES AND REGULATIONS

Subtopic LAW 2.1 - Reports
Subtopic LAW 2.2 - Airspace

TOPIC LAW 3 - ATC SAFETY MANAGEMENT
Subject 3: Air Traffic Management

Topic ATM 1 - Provision of Services

Subtopic ATM 1.1 - Air traffic control (ATC) service
Subtopic ATM 1.2 - Flight information service (FIS)
Subtopic ATM 1.3 - Alerting service (ALRS)
Subtopic ATM 1.4 - ATS system capacity and air traffic flow management
Subtopic ATM 1.5 - Airspace management (ASM)

Topic ATM 2 - Communication

Subtopic ATM 2.1 - Effective communication

Topic ATM 3 - ATC Clearances and ATC Instructions

Subtopic ATM 3.1 - ATC clearances
Subtopic ATM 3.2 - ATC instructions

Topic ATM 4 - Coordination

Subtopic ATM 4.1 - Necessity for coordination
Subtopic ATM 4.2 - Tools and methods for coordination
Subtopic ATM 4.3 - Coordination procedures

Topic ATM 5 - Altimetry and Level Allocation

Subtopic ATM 5.1 - Altimetry
Subtopic ATM 5.2 - Terrain clearance

Topic ATM 6 - Separations

Subtopic ATM 6.1 - Vertical separation
Subtopic ATM 6.2 - Longitudinal separation in a surveillance environment
Subtopic ATM 6.3 - Delegation of separation
Subtopic ATM 6.4 - Wake turbulence distance-based separation
Subtopic ATM 6.5 - Separation based on ATS surveillance systems

Topic ATM 7 - Airborne Collision Avoidance Systems and Ground-Based Safety Nets

Subtopic ATM 7.1 - Airborne collision avoidance systems
Subtopic ATM 7.2 - Ground-based safety nets

Topic ATM 8 - Data Display
Subtopic ATM 8.1 - Data management

TOPIC ATM 9 - OPERATIONAL ENVIRONMENT (SIMULATED)

Subtopic ATM 9.1 - Integrity of the operational environment
Subtopic ATM 9.2 - Verification of the currency of operational procedures
Subtopic ATM 9.3 - Handover-takeover

TOPIC ATM 10 - PROVISION OF CONTROL SERVICE

Subtopic ATM 10.1 - Responsibility and processing of information
Subtopic ATM 10.2 - ATS surveillance service
Subtopic ATM 10.3 - Traffic management process
Subtopic ATM 10.4 - Handling traffic
Subtopic ATM 10.5 - Control service with advanced system support

TOPIC ATM 11 - HOLDING

Subtopic ATM 11.1 - General holding procedures
Subtopic ATM 11.2 - Approaching aircraft
Subtopic ATM 11.3 - Holding in a surveillance environment

TOPIC ATM 12 - IDENTIFICATION

Subtopic ATM 12.1 - Establishment of identification
Subtopic ATM 12.2 - Maintenance of identification
Subtopic ATM 12.3 - Loss of identity
Subtopic ATM 12.4 - Position Information
Subtopic ATM 12.5 - Transfer of identity

SUBJECT 4: METEOROLOGY

TOPIC MET 1 - METEOROLOGICAL PHENOMENA

Subtopic MET 1.1 - Meteorological phenomena

TOPIC MET 2 - SOURCES OF METEOROLOGICAL DATA

Subtopic MET 2.1 - Sources of meteorological information

SUBJECT 5: NAVIGATION

TOPIC NAV 1 - MAPS AND AERONAUTICAL CHARTS

Subtopic NAV 1.1 - Maps and charts

TOPIC NAV 2 - INSTRUMENT NAVIGATION
Subtopic NAV 2.1 - Navigational systems
Subtopic NAV 2.2 - Stabilised approach
Subtopic NAV 2.3 - Instrument departures and arrivals
Subtopic NAV 2.4 - Navigational assistance
Subtopic NAV 2.5 - Satellite-based systems
Subtopic NAV 2.6 - PBN applications

SUBJECT 6: AIRCRAFT

TOPIC ACFT 1 - AIRCRAFT INSTRUMENTS
Subtopic ACFT 1.1 - Aircraft instruments

TOPIC ACFT 2 - AIRCRAFT CATEGORIES
Subtopic ACFT 2.1 - Wake turbulence
Subtopic ACFT 2.2 - Application of ICAO approach categories

TOPIC ACFT 3 - FACTORS AFFECTING AIRCRAFT PERFORMANCE
Subtopic ACFT 3.1 - Climb factors
Subtopic ACFT 3.2 - Cruise factors
Subtopic ACFT 3.3 - Descent and initial approach factors
Subtopic ACFT 3.4 - Final approach and landing factors
Subtopic ACFT 3.5 - Economic factors
Subtopic ACFT 3.6 - Environmental factors

TOPIC ACFT 4 - AIRCRAFT DATA
Subtopic ACFT 4.1 - Performance data

SUBJECT 7: HUMAN FACTORS

TOPIC HUM 1 - PSYCHOLOGICAL FACTORS
Subtopic HUM 1.1 - Cognitive

TOPIC HUM 2 - MEDICAL AND PHYSIOLOGICAL FACTORS
Subtopic HUM 2.1 - Fatigue
Subtopic HUM 2.2 - Fitness

TOPIC HUM 3 - SOCIAL AND ORGANISATIONAL FACTORS
Subtopic HUM 3.1 - Team resource management (TRM)
Subtopic HUM 3.2 - Teamwork and team roles
Subtopic HUM 3.3 - Responsible behaviour
TOPIC HUM 4 - STRESS

Subtopic HUM 4.1 - Stress
Subtopic HUM 4.2 - Stress management

TOPIC HUM 5 - HUMAN ERROR

Subtopic HUM 5.1 - Human error
Subtopic HUM 5.2 - Violation of rules

TOPIC HUM 6 - COLLABORATIVE WORK

Subtopic HUM 6.1 - Communication
Subtopic HUM 6.2 - Collaborative work within the same area of responsibility
Subtopic HUM 6.3 - Collaborative work between different areas of responsibility
Subtopic HUM 6.4 - Controller/pilot cooperation

SUBJECT 8: EQUIPMENT AND SYSTEMS

TOPIC EQPS 1 - VOICE COMMUNICATIONS

Subtopic EQPS 1.1 - Radio communications
Subtopic EQPS 1.2 - Other voice communications

TOPIC EQPS 2 - AUTOMATION IN ATS

Subtopic EQPS 2.1 - Aeronautical fixed telecommunication network (AFTN)
Subtopic EQPS 2.2 - Automatic data interchange

TOPIC EQPS 3 - CONTROLLER WORKING POSITION

Subtopic EQPS 3.1 - Operation and monitoring of equipment
Subtopic EQPS 3.2 - Situation displays and information systems
Subtopic EQPS 3.3 - Flight data systems
Subtopic EQPS 3.4 - Use of ATS surveillance system
Subtopic EQPS 3.5 - Advanced systems

TOPIC EQPS 4 - FUTURE EQUIPMENT

Subtopic EQPS 4.1 - New developments

TOPIC EQPS 5 - EQUIPMENT AND SYSTEMS LIMITATIONS AND DEGRADATION

Subtopic EQPS 5.1 - Reaction to limitations
Subtopic EQPS 5.2 - Communication equipment degradation
Subtopic EQPS 5.3 - Navigational equipment degradation
Subtopic EQPS 5.4 - Surveillance equipment degradation
Subtopic EQPS 5.5 - ATC processing system degradation

SUBJECT 9: PROFESSIONAL ENVIRONMENT

TOPIC PEN 1 - FAMILIARISATION

Subtopic PEN 1.1 - Study visit to approach control unit

TOPIC PEN 2 - AIRSPACE USERS

Subtopic PEN 2.1 - Contributors to civil ATS operations
Subtopic PEN 2.2 - Contributors to military ATS operations

TOPIC PEN 3 - CUSTOMER RELATIONS

Subtopic PEN 3.1 - Provision of services and user requirements

TOPIC PEN 4 - ENVIRONMENTAL PROTECTION

Subtopic PEN 4.1 - Environmental protection

SUBJECT 10: ABNORMAL AND EMERGENCY SITUATIONS

TOPIC ABES 1 - ABNORMAL AND EMERGENCY SITUATIONS (ABES)

Subtopic ABES 1.1 - Overview of ABES

TOPIC ABES 2 - SKILLS IMPROVEMENT

Subtopic ABES 2.1 - Communication effectiveness
Subtopic ABES 2.2 - Avoidance of mental overload
Subtopic ABES 2.3 - Air/ground cooperation

TOPIC ABES 3 - PROCEDURES FOR ABNORMAL AND EMERGENCY SITUATIONS

Subtopic ABES 3.1 - Application of procedures for ABES
Subtopic ABES 3.2 - Radio failure
Subtopic ABES 3.3 - Unlawful interference and aircraft bomb threat
Subtopic ABES 3.4 - Strayed or unidentified aircraft
Subtopic ABES 3.5 - Diversions
Subtopic ABES 3.6 - Transponder failure

SUBJECT 11: AERODROMES

TOPIC AGA 1 - AERODROME DATA, LAYOUT AND COORDINATION

Subtopic AGA 1.1 - Definitions
Subtopic AGA 1.2 - Coordination

TOPIC AGA 2 - MOVEMENT AREA
Subtopic AGA 2.1 - Movement area
Subtopic AGA 2.2 - Manoeuvring area
Subtopic AGA 2.3 - Runways

TOPIC AGA 3 - OBSTACLES
Subtopic AGA 3.1 - Obstacle-free airspace around aerodromes

TOPIC AGA 4 - MISCELLANEOUS EQUIPMENT
Subtopic AGA 4.1 - Location
Appendix 8 of Annex I

AREA CONTROL SURVEILLANCE RATING (ACS)

(Reference: Annex I - PART ATCO Subpart D, Section 2, ATCO.D.010(a)(2)(vi))

TABLE OF CONTENTS

SUBJECT 1: INTRODUCTION TO THE COURSE
SUBJECT 2: AVIATION LAW
SUBJECT 3: AIR TRAFFIC MANAGEMENT
SUBJECT 4: METEOROLOGY
SUBJECT 5: NAVIGATION
SUBJECT 6: AIRCRAFT
SUBJECT 7: HUMAN FACTORS
SUBJECT 8: EQUIPMENT AND SYSTEMS
SUBJECT 9: PROFESSIONAL ENVIRONMENT
SUBJECT 10: ABNORMAL AND EMERGENCY SITUATIONS

SUBJECT 1: INTRODUCTION TO THE COURSE

TOPIC INTR 1 - COURSE MANAGEMENT

  Subtopic INTR 1.1 - Course introduction
  Subtopic INTR 1.2 - Course administration
  Subtopic INTR 1.3 - Study material and training documentation

TOPIC INTR 2 - INTRODUCTION TO THE ATC TRAINING COURSE

  Subtopic INTR 2.1 - Course content and organisation
  Subtopic INTR 2.2 - Training ethos
  Subtopic INTR 2.3 - Assessment process

SUBJECT 2: AVIATION LAW

TOPIC LAW 1 - ATCO LICENSING/CERTIFICATE OF COMPETENCE

  Subtopic LAW 1.1 - Privileges and conditions

TOPIC LAW 2 - RULES AND REGULATIONS

  Subtopic LAW 2.1 - Reports
  Subtopic LAW 2.2 - Airspace

TOPIC LAW 3 - ATC SAFETY MANAGEMENT
SUBJECT 3: AIR TRAFFIC MANAGEMENT

TOPIC ATM 1 - PROVISION OF SERVICES

Subtopic ATM 1.1 - Air traffic control (ATC) service
Subtopic ATM 1.2 - Flight information service (FIS)
Subtopic ATM 1.3 - Alerting service (ALRS)
Subtopic ATM 1.4 - ATS system capacity and air traffic flow management
Subtopic ATM 1.5 - Airspace management (ASM)

TOPIC ATM 2 - COMMUNICATION

Subtopic ATM 2.1 - Effective communication

TOPIC ATM 3 - ATC CLEARANCES AND ATC INSTRUCTIONS

Subtopic ATM 3.1 - ATC clearances
Subtopic ATM 3.2 - ATC instructions

TOPIC ATM 4 - COORDINATION

Subtopic ATM 4.1 - Necessity for coordination
Subtopic ATM 4.2 - Tools and methods for coordination
Subtopic ATM 4.3 - Coordination procedures

TOPIC ATM 5 - ALTIMETRY AND LEVEL ALLOCATION

Subtopic ATM 5.1 - Altimetry
Subtopic ATM 5.2 - Terrain clearance

TOPIC ATM 6 - SEPARATIONS

Subtopic ATM 6.1 - Vertical separation
Subtopic ATM 6.2 - Longitudinal separation in a surveillance environment
Subtopic ATM 6.3 - Wake turbulence distance-based separation
Subtopic ATM 6.4 - Separation based on ATS surveillance systems

TOPIC ATM 7 - AIRBORNE COLLISION AVOIDANCE SYSTEMS AND GROUND-BASED SAFETY NETS

Subtopic ATM 7.1 - Airborne collision avoidance systems
Subtopic ATM 7.2 - Ground-based safety nets

TOPIC ATM 8 - DATA DISPLAY

Subtopic ATM 8.1 - Data management
TOPIC ATM 9 - OPERATIONAL ENVIRONMENT (SIMULATED)

Subtopic ATM 9.1 - Integrity of the operational environment
Subtopic ATM 9.2 - Verification of the currency of operational procedures
Subtopic ATM 9.3 - Handover-takeover

TOPIC ATM 10 - PROVISION OF CONTROL SERVICE

Subtopic ATM 10.1 - Responsibility and processing of information
Subtopic ATM 10.2 - ATS surveillance service
Subtopic ATM 10.3 - Traffic management process
Subtopic ATM 10.4 - Handling traffic
Subtopic ATM 10.5 - Control service with advanced system support

TOPIC ATM 11 - HOLDING

Subtopic ATM 11.1 - General holding procedures
Subtopic ATM 11.2 - Holding aircraft
Subtopic ATM 11.3 - Holding in a surveillance environment

TOPIC ATM 12 - IDENTIFICATION

Subtopic ATM 12.1 - Establishment of identification
Subtopic ATM 12.2 - Maintenance of identification
Subtopic ATM 12.3 - Loss of identity
Subtopic ATM 12.4 - Position Information
Subtopic ATM 12.5 - Transfer of identity

SUBJECT 4: METEOROLOGY

TOPIC MET 1 - METEOROLOGICAL PHENOMENA

Subtopic MET 1.1 - Meteorological phenomena

TOPIC MET 2 - SOURCES OF METEOROLOGICAL DATA

Subtopic MET 2.1 - Sources of meteorological information

SUBJECT 5: NAVIGATION

TOPIC NAV 1 - MAPS AND AERONAUTICAL CHARTS

Subtopic NAV 1.1 - Maps and charts

TOPIC NAV 2 - INSTRUMENT NAVIGATION

Subtopic NAV 2.1 - Navigational systems
Subtopic NAV 2.2 - Navigational assistance
SUBJECT 6: AIRCRAFT

TOPIC ACFT 1 - AIRCRAFT INSTRUMENTS

Subtopic ACFT 1.1 - Aircraft instruments

TOPIC ACFT 2 - AIRCRAFT CATEGORIES

Subtopic ACFT 2.1 - Wake turbulence

TOPIC ACFT 3 - FACTORS AFFECTING AIRCRAFT PERFORMANCE

Subtopic ACFT 3.1 - Climb factors
Subtopic ACFT 3.2 - Cruise factors
Subtopic ACFT 3.3 - Descent factors
Subtopic ACFT 3.4 - Economic factors
Subtopic ACFT 3.5 - Environmental factors

TOPIC ACFT 4 - AIRCRAFT DATA

Subtopic ACFT 4.1 - Performance data

SUBJECT 7: HUMAN FACTORS

TOPIC HUM 1 - PSYCHOLOGICAL FACTORS

Subtopic HUM 1.1 - Cognitive

TOPIC HUM 2 - MEDICAL AND PHYSIOLOGICAL FACTORS

Subtopic HUM 2.1 - Fatigue
Subtopic HUM 2.2 - Fitness

TOPIC HUM 3 - SOCIAL AND ORGANISATIONAL FACTORS

Subtopic HUM 3.1 - Team resource management (TRM)
Subtopic HUM 3.2 - Teamwork and team roles
Subtopic HUM 3.3 - Responsible behaviour

TOPIC HUM 4 - STRESS

Subtopic HUM 4.1 - Stress
Subtopic HUM 4.2 - Stress management

TOPIC HUM 5 - HUMAN ERROR

Subtopic HUM 5.1 - Human error
Subtopic HUM 5.2 - Violation of rules
TOPIC HUM 6 - COLLABORATIVE WORK

Subtopic HUM 6.1 - Communication
Subtopic HUM 6.2 - Collaborative work within the same area of responsibility
Subtopic HUM 6.3 - Collaborative work between different areas of responsibility
Subtopic HUM 6.4 - Controller/pilot cooperation

SUBJECT 8: EQUIPMENT AND SYSTEMS

TOPIC EQPS 1 - VOICE COMMUNICATIONS

Subtopic EQPS 1.1 - Radio communications
Subtopic EQPS 1.2 - Other voice communications

TOPIC EQPS 2 - AUTOMATION IN ATS

Subtopic EQPS 2.1 - Aeronautical fixed telecommunication network (AFTN)
Subtopic EQPS 2.2 - Automatic data interchange

TOPIC EQPS 3 - CONTROLLER WORKING POSITION

Subtopic EQPS 3.1 - Operation and monitoring of equipment
Subtopic EQPS 3.2 - Situation displays and information systems
Subtopic EQPS 3.3 - Flight data systems
Subtopic EQPS 3.4 - Use of ATS surveillance system
Subtopic EQPS 3.5 - Advanced systems

TOPIC EQPS 4 - FUTURE EQUIPMENT

Subtopic EQPS 4.1 - New developments

TOPIC EQPS 5 - EQUIPMENT AND SYSTEMS LIMITATIONS AND DEGRADATION

Subtopic EQPS 5.1 - Reaction to limitations
Subtopic EQPS 5.2 - Communication equipment degradation
Subtopic EQPS 5.3 - Navigational equipment degradation
Subtopic EQPS 5.4 - Surveillance equipment degradation
Subtopic EQPS 5.5 - ATC processing system degradation

SUBJECT 9: PROFESSIONAL ENVIRONMENT

TOPIC PEN 1 - FAMILIARISATION

Subtopic PEN 1.1 - Study visit to area control centre

TOPIC PEN 2 - AIRSPACE USERS

Subtopic PEN 2.1 - Contributors to civil ATS operations
Subtopic PEN 2.2 - Contributors to military ATS operations

TOPIC PEN 3 - CUSTOMER RELATIONS
Subtopic PEN 3.1 - Provision of services and user requirements

TOPIC PEN 4 - ENVIRONMENTAL PROTECTION
Subtopic PEN 4.1 - Environmental protection

SUBJECT 10: ABNORMAL AND EMERGENCY SITUATIONS

TOPIC ABES 1 - ABNORMAL AND EMERGENCY SITUATIONS (ABES)
Subtopic ABES 1.1 - Overview of ABES

TOPIC ABES 2 - SKILLS IMPROVEMENT
Subtopic ABES 2.1 - Communication effectiveness
Subtopic ABES 2.2 - Avoidance of mental overload
Subtopic ABES 2.3 - Air/ground cooperation

TOPIC ABES 3 - PROCEDURES FOR ABNORMAL AND EMERGENCY SITUATIONS
Subtopic ABES 3.1 - Application of procedures for ABES
Subtopic ABES 3.2 - Radio failure
Subtopic ABES 3.3 - Unlawful interference and aircraft bomb threat
Subtopic ABES 3.4 - Strayed or unidentified aircraft
Subtopic ABES 3.5 - Diversions
Subtopic ABES 3.6 - Transponder failure
ANNEX II PART ATCO.AR REQUIREMENTS FOR THE COMPETENT AUTHORITY

SUBPART A GENERAL REQUIREMENTS

ATCO.AR.A.001 Scope

This Part, set out in this Annex, establishes the administrative requirements applicable to the authority with responsibility for the issue, maintenance, suspension or revocation of licences, ratings, endorsements and medical certificates for air traffic controllers and certification and oversight of training organisations and aero-medical centres.

ATCO.AR.A.005 Personnel

(a) The authority shall produce and update every two years an assessment of the human resources needed to perform their oversight functions, based on the analysis of the processes required by this Regulation and their application.

(b) Personnel authorised by the authority to carry out certification and/or oversight tasks shall be empowered to perform as a minimum the following tasks:

1. examine documents, including licences, certificates, records, data, procedures and any other material relevant to the execution of the required task;
2. take copies of or extracts from such records, data, procedures and other material;
3. ask for an explanation;
4. enter relevant premises and operating sites;
5. perform audits and inspections, including unannounced inspections;
6. take or initiate enforcement measures as appropriate.

(c) The authority may authorise its personnel to conduct assessments leading to the issue, revalidation and renewal of a unit endorsement provided that they meet the requirements set out in ATCO.C.045, with the exception of point (d)(1). Familiarity with the current operational practices and procedures of the unit, where the assessment is taking place, shall however be ensured.
ATCO.AR.A.010 Tasks of the authority

(a) The tasks of the authority shall include:

(1) the issue, suspension and revocation of licences, ratings, endorsements and of medical certificates;

(2) the issue of temporary OJTI authorisations according to ATCO.C.025;

(3) the issue of temporary assessor authorisations according to ATCO.C.065;

(4) the revalidation and renewal of endorsements;

(5) the revalidation, renewal and limitation of medical certificates following referral by the AME or AeMC;

(6) the issue, revalidation, renewal, suspension, revocation, limitation and change of aero-medical examiner certificates;

(7) the issue, suspension, revocation and limitation of training organisation certificates and of the certificates of aero-medical centres;

(8) the approval of training courses, plans and unit competence schemes, as well as assessment methods;

(9) the approval of the assessment method for the demonstration of language proficiency and the establishment of requirements applicable to language assessment bodies according to ATCO.B.040;

(10) the monitoring of training organisations, including their training courses and plans;

(11) the approval and monitoring of the unit competence schemes;

(12) the establishment of appropriate appeal procedures and notification mechanisms;

(13) facilitating the recognition of training organisation certificates and course approvals.

ATCO.AR.A.015 Means of compliance

(a) The authority shall develop Acceptable Means of Compliance (AMC) that may be used to establish compliance with this Regulation. When AMC are complied with, the related requirements of the implementing rules are met.

(b) Alternative means of compliance may be used by any service provider organisation to establish compliance with this Regulation.

(c) The authority shall establish a system to consistently evaluate that all alternative means of compliance used by itself or by organisations and persons under its oversight allow the establishment of compliance with this Regulation.

(d) The authority shall evaluate all alternative means of compliance proposed by an organisation in accordance with ATCO.OR.B.005 by analysing the documentation provided and, if considered necessary, conducting an inspection of the organisation.

When the authority finds that the alternative means of compliance are in accordance with this Regulation, it shall without undue delay:

(1) notify the applicant that the alternative means of compliance may be implemented and, if applicable, amend the approval or certificate of the applicant accordingly;

(2) notify of their content all the organisations and persons under its oversight, including copies of all relevant documentation; and

(3) inform other States concerned about alternative means of compliance that were accepted.
When the authority itself uses alternative means of compliance to achieve compliance with this Regulation it shall:

1. make them available to all organisations and persons under its oversight; and
2. inform other States concerned, if any.

The service providers shall provide the authority with a full description of the alternative means of compliance, including any revisions to procedures that may be relevant, as well as an assessment demonstrating that the requirements of this Regulation are met.

**ATCO.AR.A.020 Information to the authority**

(a) The service providers shall without undue delay notify the authority in case of any significant problems with the implementation of this Regulation.

(b) The service providers shall provide the authority with safety-significant information stemming from the occurrence reports they have received.

**ATCO.AR.A.025 Immediate reaction to a safety problem**

(a) Without prejudice to the Occurrence Reporting regulation, the authority shall implement a system to appropriately collect, analyse and disseminate safety information.

(b) The authority shall implement a system to appropriately analyse any relevant safety information received and without undue delay provide to all the service providers concerned any information, including recommendations or corrective actions to be taken, necessary for them to react in a timely manner to a safety problem involving products, parts, appliances, persons or organisations subject to oversight under this Regulation.

(c) Upon receiving the information referred to in points (a) and (b), the authority shall take adequate measures to address the safety problem.
SUBPART B MANAGEMENT

ATCO.AR.B.001 Management system

(a) The authority shall establish and maintain a management system, including as a minimum:

(1) documented policies and procedures to describe its organisation, means and methods to achieve compliance with this Regulation. The procedures shall be kept up to date and serve as the basic working documents within the authority for all related tasks;

(2) a sufficient number of personnel, including licensing and certification inspectors, to perform its tasks and discharge its responsibilities. Such personnel shall be qualified to perform their allocated tasks and have the necessary knowledge, experience, initial, on-the-job and recurrent training to ensure continuing competence. A system shall be in place to plan the availability of personnel in order to ensure the proper completion of all related tasks;

(3) adequate facilities and office accommodation to perform the allocated tasks;

(4) a function to monitor compliance of the management system with the relevant requirements and adequacy of the procedures, including the establishment of an internal audit process and a safety risk management process. Compliance monitoring shall include a feedback system of audit findings to the senior management of the authority to ensure implementation of corrective actions as necessary; and

(5) a function to monitor compliance with the relevant ICAO SARPs and a feedback system to senior management of the authority to notify differences to ICAO and publish them in part GEN 1.7 of the aeronautical information publication (AIP).

(6) a person or group of persons ultimately responsible to the senior management of the authority for the compliance monitoring function.

(b) The authority shall, for each field of activity included in the management system, appoint one or more persons with the overall responsibility for the management of the relevant task(s).

(c) The authority shall establish procedures for the participation in the exchange of all necessary information and assistance with other competent authorities concerned, including information exchange on all findings raised and follow-up actions taken as a result of oversight of persons and organisations exercising activities in the territory of Qatar, but certified by a competent authority of another State.

ATCO.AR.B.005 Allocation of tasks to qualified entities

(a) If the authority allocates tasks related to the initial certification or continuous oversight of persons or organisations subject to this Regulation, they shall only be allocated to qualified entities. When allocating tasks, the authority shall ensure that it has:

(1) a system in place to initially and continuously assess that the qualified entity complies with the requirements set by the authority. This system and the results of the assessments shall be documented;

(2) established a documented agreement with a qualified entity, approved by both parties at the appropriate management level, which clearly defines:

   (i) the tasks to be performed;
   (ii) the declarations, reports and records to be provided;
   (iii) the technical conditions to be met in performing such tasks;
   (iv) the related liability coverage; and
   (v) the protection given to information acquired in carrying out such tasks.

(b) The authority shall ensure that the internal audit process and a safety risk management process required by ATCO.AR.B.001(a)(4) cover all certification or oversight tasks performed on its behalf.
### ATCO.AR.B.010 Changes to the management system

(a) The authority shall have a system in place to identify changes that affect its capability to perform its tasks and discharge its responsibilities as defined in this Regulation. It shall enable it to take action, as appropriate, to ensure that the management system remains adequate and effective.

(b) The authority shall update its management system to reflect any change to this Regulation in a timely manner in order to ensure effective implementation.

### ATCO.AR.B.015 Record keeping

(a) The authority shall maintain a list of all organisation certificates and personnel licences and certificates they issue.

(b) The authority shall establish a system of record keeping providing for adequate storage, accessibility and reliable traceability of:

1. the management system's documented policies and procedures;
2. training, qualification and authorisation of its personnel;
3. the allocation of tasks, covering the elements required by ATCO.AR.B.005 as well as the details of tasks allocated;
4. certification processes and continuing oversight of certified organisations;
5. details of courses provided by training organisations;
6. processes for the issue of licences, ratings, endorsements and certificates, and for the continuing oversight of the holders of those licences, ratings, endorsements and certificates;
7. continuing oversight of persons and organisations exercising activities within the territory of Qatar, but certified by the competent authority of another State, as agreed between the State of Qatar and that State;
8. findings, corrective actions and date of action closure;
9. enforcement measures taken;
10. safety information and follow-up measures;

(c) Records shall be kept for a minimum period of 5 years and with regard to personnel licences for a minimum period of 10 years after the expiry of the last endorsement on the licence, subject to applicable data protection law.
SUBPART C - OVERSIGHT AND ENFORCEMENT

ATCO.AR.C.001 Oversight

(a) The authority shall verify:

1. compliance with requirements applicable to organisations or persons prior to the issue of an organisation certificate or personnel licence, certificate, rating or endorsement, as applicable;
2. the continued compliance with the applicable requirements and the conditions attached to the training organisation’s certificate, as well as the applicable requirements for training courses, plans and schemes it has approved and requirements applicable to personnel;
3. implementation of appropriate safety measures mandated by the authority as defined in ATCO.AR.A.025(c) and (d).

(b) This verification shall:

1. be supported by documentation specifically intended to provide guidance to the personnel responsible for safety oversight in order to perform their functions;
2. provide persons and organisations concerned with the results of the safety oversight activity;
3. be based on audits and inspections including, as appropriate, unannounced inspections; and
4. be supported by evidence needed in case further action is required, including the measures foreseen in ATCO.AR.C.010 and ATCO.AR.E.015.

(c) The scope of oversight shall be determined on the basis of the scope and results of past oversight activities and safety priorities.

ATCO.AR.C.005 Oversight programme

(a) The authority shall establish and maintain an oversight programme covering the oversight activities required by ATCO.AR.C.001.

(b) For organisations certified by the authority the oversight programme shall be developed taking into account the specific nature of the organisation, the complexity of its activities and past certification and/or oversight activities. It shall include within each oversight planning cycle:

1. audits and inspections, if needed, including unannounced inspections as appropriate; and
2. meetings convened between the management of the training organisation and the authority to ensure that both remain informed of significant issues.

(c) For organisations certified by the authority an oversight planning cycle not exceeding 24 months shall be applied.

The oversight planning cycle may be reduced if there is evidence that the safety performance of the organisation has decreased.

The oversight planning cycle may be extended to a maximum of 36 months if the authority has established that during the previous 24 months:

1. the organisation has demonstrated an effective identification of aviation safety hazards and management of associated risks; and
2. the organisation has continuously demonstrated under ATCO.OR.B.015 that it has full control over all changes; and
3. no level 1 findings have been issued; and
4. all corrective actions have been implemented within the time period accepted or extended by the authority as defined in ATCO.AR.E.015.

The oversight planning cycle may be further extended to a maximum of 48 months if, in addition to the above, the organisation has established, and the authority has approved, an effective continuous reporting system to the authority on the safety performance and regulatory compliance of the organisation itself.
(d) The oversight programme for training organisations shall include the monitoring of training standards including the sampling of training delivery if appropriate.

(e) For all the persons holding a licence, rating or endorsement issued by the authority the oversight programme shall include inspections, including unannounced inspections, if appropriate.

**ATCO.AR.C.010 Findings and enforcement measures for personnel**

(a) If during oversight or by any other means evidence is found that shows non-compliance with the applicable requirements by a person holding a licence issued in accordance with this Regulation, the authority shall raise a finding, record it and communicate it in writing to the licence holder, as well as communicate the finding to the employing organisation, if applicable.

(b) Then the authority:

(1) may suspend or revoke the licence, rating or endorsement, as applicable, when a safety issue has been identified; and

(2) shall take any further enforcement measures necessary to prevent the continuation of the non-compliance.
**SUBPART D - ISSUE, REVALIDATION, RENEWAL, SUSPENSION AND REVOCATION OF LICENCES, RATINGS AND ENDORSEMENTS**

**ATCO.AR.D.001 Procedure for the issue, revalidation and renewal of licences, ratings, endorsements and authorisations**

(a) The authority shall establish procedures for the application, issue and exchange of licences, issue of ratings and endorsements, as well as the revalidation and renewal of endorsements. These procedures may include:

(1) the issue of temporary OJTI authorisation and temporary assessor authorisation; and

(2) if applicable, the authorisation for assessors to revalidate and renew unit endorsements in which case assessors shall submit all records, reports and any other information to the authority as defined in such procedures.

(b) Upon receiving an application and, if relevant, any supporting documentation, the authority shall verify the application completeness and whether the applicant meets the requirements set out in Annex I.

(c) If the applicant meets the applicable requirements, the authority shall issue, revalidate or renew, when appropriate, the relevant licence, rating(s) and endorsement(s) using the format for licences established in Appendix 1 of Annex II. The temporary OJTI authorisation referred to in ATCO.C.025 and the temporary assessor authorisation referred to in ATCO.C.065 shall be issued as a separate document wherein the privileges of the holder as well as the validity of the authorisation shall be specified.

(d) For the purpose of reducing unnecessary administrative burden, the authority may establish procedures for establishing a unique date of validity for several endorsements. In any case, the validity periods of the endorsements concerned shall not be extended.

(e) The authority shall replace the air traffic controller licence if necessary for administrative reasons and when point (XIIa) of the licence is completed and no further space remains. The date of the first issue of the ratings and rating endorsements shall be transferred to the new licence.

**ATCO.AR.D.005 Revocation and suspension of licences, ratings and endorsements**

(a) For the purpose of ATCO.A.020 the authority shall establish administrative procedures for the suspension and revocation of licences, ratings and endorsements.

(b) The authority may suspend the licence in the case of provisional inability not being terminated according to the procedures referred to in ATCO.A.015(e).

(c) The authority shall suspend or revoke a licence, rating or endorsement in accordance with ATCO.AR.C.010 in particular in the following circumstances:

(1) exercising the privileges of the licence when the licence holder no longer complies with the applicable requirements of this Regulation;

(2) obtaining a student air traffic controller or an air traffic controller licence, rating, endorsement or certificate by falsification of submitted documentary evidence;

(3) falsification of the licence or certificate records;

(4) exercising the privileges of the licence, rating(s) or endorsement(s) under the influence of psychoactive substances.

(d) In cases of suspension or revocation of licences, ratings and endorsements, the authority shall inform the licence holder in writing of this decision and of their right of appeal in accordance with the procedures established in ATCO.AR.A.010(a)(13). The suspension or revocation of the assessor endorsement should be notified to the relevant air navigation service provider as well.

(e) The authority shall also suspend or revoke a licence, rating or endorsement upon written request of the licence holder.
SUBPART E - CERTIFICATION PROCEDURE FOR AIR TRAFFIC CONTROLLER TRAINING ORGANISATIONS AND APPROVAL OF TRAINING COURSES

ATCO.AR.E.001 Application and certification procedure for training organisations

(a) Upon receiving an application for the issue of a training organisation certificate, the authority shall verify the training organisation's compliance with the requirements set out in Annex III.

(b) If the applicant training organisation fulfils the applicable requirements, the authority shall issue a certificate using the format established in Appendix 2 of Annex II.

(c) To enable an organisation to implement changes without prior authority approval in accordance with ATCO.OR.B.015 and ATCO.AR.E.010(c), the authority shall approve the procedure submitted by the training organisation defining the scope of such changes and describing how such changes will be managed and notified.

ATCO.AR.E.005 Approval of training courses and training plans

(a) The authority shall approve training courses and training plans developed in accordance with the requirements laid down in ATCO.OR.D.001.

(b) Following an exchange of a licence according to ATCO.A.010 the authority shall approve or reject the unit endorsement course established in accordance with ATCO.B.020(b) and (c) not later than six weeks after presentation of the application for the approval of the course, and ensure that the principles of non-discrimination and proportionality are respected.

ATCO.AR.E.010 Changes to the training organisations

(a) Upon receiving an application for a change that requires prior approval in accordance with ATCO.OR.B.015, the authority shall verify the training organisation's compliance with the requirements set out in Annex III before the issue of the approval.

The authority shall approve the conditions under which the organisation may operate during the change, unless the authority determines that the change cannot be implemented.

After having verified that the training organisation complies with the applicable requirements, the authority shall approve the change.

(b) Without prejudice to any additional enforcement measures in accordance with ATCO.AR.E.015, when the organisation implements changes requiring prior approval without having received the authority approval as defined in point (a), the authority shall take immediate and adequate action.

(c) For changes not requiring prior approval, the authority shall approve a procedure developed by the training organisation in accordance with ATCO.OR.B.015 defining the scope of such changes and its management and notification mechanism. In the continuous oversight process the authority shall assess the information provided in the notification to verify whether actions taken to comply with the approved procedures and applicable requirements.

ATCO.AR.E.015 Findings and corrective actions

(a) The authority shall have a system to analyse findings for their safety significance.
(b) A level 1 finding shall be issued by the authority when any significant non-compliance is detected with the applicable requirements of this Regulation, with the training organisation's procedures and manuals, with the type(s) of training and/or service(s) provided or certificate(s) which lowers or seriously endangers safety and/or results in a significant degradation of the training provided. 

A level 1 finding shall include, but shall not be limited to:

1. failure to give the authority access to the training organisation's facilities as defined in ATCO.OR.B.025 during normal operating hours and after two written requests;
2. obtaining or maintaining the validity of the training organisation certificate by falsification of submitted documentary evidence;
3. evidence of malpractice or fraudulent use of the training organisation certificate; and
4. the lack of an accountable manager.

(c) A level 2 finding shall be issued by the authority when any non-compliance is detected with the applicable requirements of this Regulation, with the training organisation's procedures and manuals, with the type(s) of training and/or service(s) provided or certificate(s) which could lower or endanger safety and/or could result in a degradation of the training provided.

(d) When a finding is detected during oversight or by any other means, the authority shall, without prejudice to any additional action required by this Regulation, communicate the finding to the training organisation in writing and request corrective action to address the non-compliance(s) identified.

1. In the case of level 1 findings the authority shall take immediate and appropriate action to prohibit or limit activities, and if appropriate, it shall take action to revoke the certificate or to limit or suspend it in whole or in part, depending upon the extent of the finding, until successful corrective action has been taken by the training organisation.

2. In the case of level 2 findings the authority shall:
   i. grant the training organisation a corrective action implementation period included in an action plan appropriate to the nature of the finding; and
   ii. assess the corrective action and implementation plan proposed by the training organisation and, if the assessment concludes that they are sufficient to address the non-compliance(s), accept these.

3. Where a training organisation fails to submit an acceptable corrective action plan, or to perform the corrective action within the time period accepted or extended by the authority, the finding shall be raised to a level 1 finding, and action shall be taken as laid down in point (d)(1).

(e) The authority shall record all findings it has raised and, where applicable, the enforcement measures it has applied, as well as all corrective actions and the date of action closure for findings.
SUBPART F - SPECIFIC REQUIREMENTS RELATING TO AERO-MEDICAL CERTIFICATION

SECTION 1 General requirements

ATCO.AR.F.001 Aero-medical centres and aero-medical certification

By way of derogation from Subparts A, B and C, with regard to aero-medical centres (AeMCs) and aero-medical certification, the authority shall apply the following provisions of Annex VI Part ARA to the Aircrew Licencing Regulation, with the exclusion of all references to general medical practitioners (GMPs):

- Subpart ARA.GEN,
- Subpart ARA.AeMC,
- ARA.MED.120 Medical assessors,
- ARA.MED.125 Referral to the licensing authority,
- ARA.MED.150 Record keeping,
- ARA.MED.200 Procedure for the issue, revalidation, renewal or change of an AME certificate,
- ARA.MED.245 Continuing oversight,
- ARA.MED.250 Limitation, suspension or revocation of an AME certificate,
- ARA.MED.255 Enforcement measures,
- ARA.MED.315 Review of examination reports, and
- ARA.MED.325 Review procedure.
SECTION 2 Documentation

ATCO.AR.F.005 Medical certificate

The medical certificate shall conform to the following specifications:

(a) Content:

(1) State in which the ATCO licence has been issued or applied for (I);
(2) Class of medical certificate (II);
(3) Certificate number commencing with the UN country code of Qatar (QA) followed by a code of numbers and/or letters in Arabic numerals and Latin script (III);
(4) Name of the holder (IV);
(5) Nationality of the holder (VI);
(6) Date of birth of the holder (XIV);
(7) Signature of the holder (VII);
(8) Limitation(s) (XIII);
(9) Expiry date of the class 3 medical certificate (IX);
(10) Date of examination;
(11) Date of last electrocardiogram;
(12) Date of last audiogram;
(13) Date of issue and signature of AME or medical assessor that issued the medical certificate (X);
(14) Seal or stamp.

(b) Material: The paper or other material used shall prevent or readily show any alterations or erasures. Any entries or deletions to the form shall be clearly authorised by the authority.

(c) Language: Medical certificates shall be written in the national language(s) and in English and in such a language that the authority deems appropriate.

(d) All dates on the medical certificate shall be written in a dd/mm/yyyy format.

ATCO.AR.F.010 AME certificate

After having verified that the AME is in compliance with the applicable requirements, the authority shall issue, revalidate, renew or change the AME certificate using the form established in Appendix 3 of Annex II.

ATCO.AR.F.015 AeMC certificate

After having verified that the AeMC is in compliance with the applicable requirements, the authority shall issue or change the AeMC certificate, using the form established in Appendix 4 of Annex II.

ATCO.AR.F.020 Aero-medical forms

The authority shall provide AMEs and AeMCs with the forms to be used for:

(a) the application form for a medical certificate; and
(b) the examination report form for class 3 applicants.
Appendix 1 of Annex II Format for licence

AIR TRAFFIC CONTROLLER LICENCE

The air traffic controller licence issued in accordance with this Regulation shall conform to the following specifications:

(a) Content. The item number shall always be printed in association with the item heading. Items I to XI are the ‘permanent’ items, and items XII to XIV are the ‘variable’ items which may appear on a separate or detachable part of the main form as prescribed below. Any separate or detachable part shall be clearly identifiable as part of the licence.

1. Permanent items:

(I) State of licence issue;

(II) title of licence;

(III) serial number of the licence with the United Nations (UN) country code of the State of licence issue and followed by ‘(Student) ATCO Licence’ and a code of numbers and/or letters in Arabic numerals and in Latin script;

(IV) name of holder in full (in Latin script, even if the script of the national language(s) is other than Latin);

(IVA) date of birth;

(V) holder’s address, if required by the authority;

(VI) nationality of holder;

(VII) signature of holder;

(VIII) competent authority;

(IX) certification of validity and authorisation for the privileges granted, including the dates when they were first issued;

(X) signature of officer issuing the licence and the date of such issue;

(XI) seal or stamp of the authority.

2. Variable items:

(XII) ratings and endorsements with expiry dates;

(XIII) remarks: language proficiency endorsements; and

(XIV) any other details required by the authority.

(b) The licence shall be accompanied by a valid medical certificate, except when only STDI privileges are exercised.

(c) Material. First quality paper and/or other suitable material, including plastic cards, shall be used to prevent or readily show any alterations or erasures. Any entries or deletions in the form will be clearly authorised by the authority.

(d) Language. Licences shall be written in English.
The size of each page shall be on-eight A4

[1] Requirements

The pages referring to the instructions on how the (Student) ATCO Licence has to be filled in are intended for use by the authority or by the assessor specifically authorised to revalidate or renew the unit endorsements. Initial issues of ratings, rating endorsements, language endorsements, instructor and assessor endorsements will always be entered by the authority. Revalidation or renewal of unit endorsements will be entered by the authority or by the authorised assessors.
<table>
<thead>
<tr>
<th></th>
<th>State of issue:</th>
<th>Requirements:</th>
</tr>
</thead>
<tbody>
<tr>
<td>II</td>
<td>Title of licence:</td>
<td></td>
</tr>
<tr>
<td>III</td>
<td>Serial number of the licence:</td>
<td>The serial number of the licence will always start with the UN country code of the State of the licence issue followed by '(Student) ATCO Licence'.</td>
</tr>
<tr>
<td>IV</td>
<td>Name of the holder in full:</td>
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<tr>
<td>IVa</td>
<td>Date of birth:</td>
<td>Standard date format is to be used, i.e. day/month/year in full (e.g., 31.01.2010)</td>
</tr>
<tr>
<td>XIV</td>
<td>Place of birth:</td>
<td></td>
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<tr>
<td>V</td>
<td>Holder's address, if desired by the competent authority:</td>
<td>Street, town, area, postal code</td>
</tr>
<tr>
<td>VI</td>
<td>Nationality of holder:</td>
<td>Indicated by the UN country code of the State</td>
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<td>VII</td>
<td>Signature of holder:</td>
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<td>VIII</td>
<td>Competent Authority:</td>
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<tr>
<td>X</td>
<td>Signature of officer issuing the licence and date of issue</td>
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<td>XI</td>
<td>Seal or stamp of issuing competent authority</td>
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### Validity of privileges:

The holder is entitled to exercise the privileges of the following rating(s) and rating endorsement(s), when validated:

<table>
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<tr>
<th>Rating(s)</th>
<th>Date of first issue</th>
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<table>
<thead>
<tr>
<th>Rating endorsement(s)</th>
<th>Date of first issue</th>
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### Requirements:

English and any language(s) determined by the competent authority.

The date of first issue of a rating and/or rating endorsement shall be the date of successful completion of the training relevant to that rating and/or rating endorsement.
### Ratings and endorsements with expiry dates

The holder is entitled to exercise the privileges of the following rating(s) and rating endorsement(s) at the air traffic service unit(s) for which current unit endorsement(s) is (are) held as detailed below, only if the holder has a valid medical certificate:

<table>
<thead>
<tr>
<th>Unit (ICAO indicator) (*)</th>
<th>Sector/Position (*)</th>
<th>Rating/Endorsement</th>
<th>Expiry date (*)</th>
<th>Signature/stamp of the authority or licence number and signature of the assessor</th>
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</table>

(*) Not applicable for Student ATCO Licence.
### XIIb. Other endorsements:

The holder is entitled to exercise the privileges of the following endorsement(s)

<table>
<thead>
<tr>
<th>OJTI /STD/Assessor endorsement</th>
<th>Expiry date</th>
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Requirements: N/A

### XIII. Remarks:

Language proficiency endorsement(s):

(language(s)/level/expiry date)

Language proficiency endorsement(s), level and expiry date shall be included.

All additional licensing information to be entered here.
### Abbreviations

#### Air traffic controller ratings

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
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<tbody>
<tr>
<td>ADV</td>
<td>Aerodrome Control Visual</td>
</tr>
<tr>
<td>ADI</td>
<td>Aerodrome Control Instrument</td>
</tr>
<tr>
<td>APP</td>
<td>Approach Control Procedural</td>
</tr>
<tr>
<td>APS</td>
<td>Approach Control Surveillance</td>
</tr>
<tr>
<td>ACP</td>
<td>Area Control Procedural</td>
</tr>
<tr>
<td>ACS</td>
<td>Area Control Surveillance</td>
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</tbody>
</table>

#### Rating endorsements

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
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<tbody>
<tr>
<td>AIR</td>
<td>Air Control</td>
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<tr>
<td>GMC</td>
<td>Ground Movement Control</td>
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<tr>
<td>TWR</td>
<td>Tower Control</td>
</tr>
<tr>
<td>GMS</td>
<td>Ground Movement Surveillance</td>
</tr>
<tr>
<td>RAD</td>
<td>Aerodrome Radar Control</td>
</tr>
<tr>
<td>PAR</td>
<td>Precision Approach Radar</td>
</tr>
<tr>
<td>SRA</td>
<td>Surveillance Radar Approach</td>
</tr>
<tr>
<td>TCL</td>
<td>Terminal Control</td>
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</tbody>
</table>

#### Licence endorsements

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>OJTI</td>
<td>On-the-job training instructor</td>
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<tr>
<td>STDI</td>
<td>Synthetic training device instructor</td>
</tr>
</tbody>
</table>

Requirements: N/A
Appendix 2 of Annex II

CERTIFICATE FOR AIR TRAFFIC CONTROL TRAINING ORGANISATIONS (ATCO TOs)

QATAR

Civil Aviation Authority

AIR TRAFFIC CONTROLLERS TRAINING ORGANISATION CERTIFICATE

[CERTIFICATE NUMBER/REFERENCE]

Pursuant to Qatar Regulation XXX-YYYY and subject to the conditions specified below, the Civil Aviation Authority of Qatar hereby certifies

[NAME OF THE TRAINING ORGANISATION]

[ADDRESS OF THE TRAINING ORGANISATION]

As a Part ATCO.OR certified training organisation with the privileges to provide Part ATCO training, as listed in the attached training approval.

Terms of approval and privileges:

This certificate is limited to the privileges and the scope of providing training as listed in the attached training approval.

This certificate is valid whilst the certified organisation remains in compliance with Part ATCO.OR, Part ATCO and other applicable regulations.

Subject to compliance with the foregoing terms of approval and privileges, this certificate shall remain valid unless the certificate has been surrendered, superseded, limited, or revoked.

Date of issue:

Signed:

Qatar Civil Aviation Authority
# AIR TRAFFIC CONTROLLERS TRAINING ORGANISATION CERTIFICATE

## TRAINING APPROVAL

Attachment to ATCO TO certificate number:

[CERTIFICATE NUMBER/REFERENCE]

[NAME OF THE TRAINING ORGANISATION]

Has obtained the privileges to provide and conduct the following training in accordance with Part ATCO:

<table>
<thead>
<tr>
<th>Type of training</th>
<th>Course</th>
<th>Rating endorsements[1]</th>
<th>Remarks[2]</th>
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<td>□ Basic training</td>
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<tr>
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<tr>
<td>□ ATCO Continuation training</td>
<td>□ ATCO refresher training</td>
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<td></td>
</tr>
<tr>
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<td>□ ATCO conversion training</td>
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<td></td>
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<tr>
<td>□ Assessor training</td>
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</table>

This training course approval is valid as long as:

(a) The ATCO TO certificate has not been surrendered

(b) All operations are conducted in compliance with Part ATCO.OR, Part ATCO, other applicable regulations, and, when relevant, with the procedures in the organisation’s documentation as required by Part ATCO.OR.

Date of issue:

Signed: [authority]
For the State of Qatar

[1] The authority shall specify the rating endorsements according to ATCO.B.015 for which the training is provided, if appropriate


[3] The authority shall specify the ratings according to ATCO.B.010 for which the training is provided

[4] The authority shall specify the unit endorsement(s) for which the training is provided
Appendix 3 of Annex II

CERTIFICATE FOR AERO-MEDICAL EXAMINERS (AMEs)

QATAR

Civil Aviation Authority

AERO-MEDICAL EXAMINER CERTIFICATE

[CERTIFICATE NUMBER/REFERENCE]

Pursuant to Qatar Regulation XXX-YYYY and subject to the conditions specified below, the Civil Aviation Authority of Qatar hereby certifies

(NAME OF THE AERO-MEDICAL EXAMINER)

[ADDRESS OF THE AERO-MEDICAL EXAMINER]

As aero-medical examiner

CONDITIONS:

1. This certificate is limited to the privileges specified in the attachments to the AME certificate;

2. This certificate requires compliance with the rules and procedures specified in Part MED and/or ATCO.MED as appropriate;

3. This certificate shall remain valid for a period of three years until [dd/mm/yyyy] subject to compliance with the requirements of Part MED and/or Part ATCO.MED as appropriate unless it has been surrendered or revoked.

…………………………..

……………………………………

Date of issue: 

Signature: [authority]
CERTIFICATE FOR AERO-MEDICAL EXAMINERS (AMEs)

Attachment to AME certificate number:

PRIVILEGES AND SCOPE

[Name and academic title of aero-medical examiner] has obtained the privilege(s) to undertake aero-medical examinations and assessments for the issuance of medical certificates as stated in the table below and issue these medical certificates for:

<table>
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……………………………………

Date of issue:          Signature: [authority]
Appendix 4 of Annex II

CERTIFICATE FOR AERO-MEDICAL CENTRES (AeMCs)

QATAR

Civil Aviation Authority

AERO-MEDICAL CERTIFICATE

REFERENCE:

Pursuant to Qatar Regulation XXX-YYYY and subject to the conditions specified below, the Civil Aviation Authority of Qatar hereby certifies

[NAME OF THE ORGANISATION]

[ADDRESS OF THE ORGANISATION]

As a Part ORA certified aero-medical centre with the privileges and the scope of activities as listed in the attached terms of approval

CONDITIONS:
1. This certificate is limited to the scope of approval section of the approved organisation manual;
2. This certificate requires compliance with procedures specified in the organisation documentation as required by Part ORA.
3. This certificate shall remain valid subject to compliance with the requirements of Part ORA unless it has been surrendered or revoked.

Date of issue:………………………….. Signature: [authority]
ANNEX III PART ATCO.OR

REQUIREMENTS FOR AIR TRAFFIC CONTROLLER TRAINING ORGANISATIONS AND AERO-MEDICAL CENTRES

SUBPART A GENERAL REQUIREMENTS

ATCO.OR.A.001 Scope

This Part, set out in this Annex, establishes the requirements applicable to air traffic controller training organisations and aero-medical centres in order to obtain and maintain a certificate in accordance with this Regulation.
SUBPART B REQUIREMENTS FOR AIR TRAFFIC CONTROLLER TRAINING ORGANISATIONS

ATCO.OR.B.001 Application for a training organisation certificate

(a) Applications for a training organisation certificate shall be submitted to the authority in due time to allow the authority to evaluate the application. The application shall be submitted in accordance with the procedure established by the authority.

(b) Applicants for an initial certificate shall demonstrate to the authority how they will comply with the requirements established by this Regulation.

(c) An application for a training organisation certificate shall include the following information:

(1) the applicant's name and address;

(2) the address(es) of the place(s) of operation (including, where relevant, the list of ATC units) if different from the applicant's address in point (a);

(3) the names and contact details of:

(i) the accountable manager;

(ii) the head of the training organisation, if different from point (i);

(iii) the person(s) nominated by the training organisation as the focal point(s) for communication with the authority;

(4) date of intended start of activity or change;

(5) a list of types of training to be provided and at least one training course from each type of training that is intended to be provided;

(6) the declaration of compliance with the applicable requirements shall be signed by the accountable manager, stating the training organisation's compliance with the requirements at all times;

(7) the management system processes; and

(8) the date of application.

ATCO.OR.B.005 Means of compliance

(a) Alternative means of compliance to the AMC adopted by the authority may be used by an organisation to establish compliance with this Regulation.

(b) When a training organisation wishes to use an alternative means of compliance, it shall, prior to implementing it, provide the authority with a full description of the alternative means of compliance. The description shall include any revisions to manuals or procedures that may be relevant, as well as an assessment demonstrating compliance with this Regulation.

(c) The training organisation may implement these alternative means of compliance subject to prior approval by the authority and upon receipt of the notification as prescribed in ATCO.AR.A.015(d).

ATCO.OR.B.010 Terms of approval and privileges of a training organisation certificate

(a) Training organisations shall comply with the scope and privileges defined in the terms of approval attached to the organisation's certificate.

(b) In order to ensure that the applicable requirements in Subpart D of Annex I (Part ATCO) are fulfilled, the privilege to provide unit and continuation training shall only be granted to training organisations which:

(1) hold a certificate for the provision of the air traffic control service; or

(2) have concluded a specific agreement with the ATC provider.
ATCO.OR.B.015 Changes to the training organisation

(a) Changes to the organisation that affect the certificate or the terms of approval of the training organisation or any relevant element of the training organisation's management systems shall require prior approval by the authority.

(b) Training organisations shall agree with the authority on the changes that require prior approval in addition to those specified in point (a).

(c) For any changes requiring prior approval in accordance with points (a) and (b), the training organisation shall apply for and obtain an approval issued by the authority. The application shall be submitted before any such change takes place in order to enable the authority to determine continued compliance with this Regulation and to amend, if necessary, the training organisation certificate and related terms of approval attached to it.

Training organisations shall provide the authority with all relevant documentation.

The change shall only be implemented upon receipt of formal approval by the authority in accordance with ATCO.AR.E.010.

Training organisations shall operate under the conditions prescribed by the authority during such changes, as applicable.

(d) Changes to the elements referred to in point (a) due to unforeseen circumstances shall be notified to the authority without delay in order to obtain approval as necessary.

(e) All changes not requiring prior approval shall be managed and notified to the authority as defined in the procedure approved by the authority in accordance with ATCO.AR.E.010.

(f) Training organisations shall notify the authority when they cease their activities.

ATCO.OR.B.020 Continued validity

(a) A training organisation's certification shall remain valid subject to the certificate not being surrendered or revoked and subject to the training organisation remaining in compliance with the requirements of this Regulation, taking into account the provisions related to the handling of findings in accordance with ATCO.OR.B.030.

(b) The certificate shall be returned to the authority without delay upon its revocation or the cease of all activities.

ATCO.OR.B.025 Access to training organisations' facilities and data

Training organisations and applicants for training organisation certificates shall grant access to any person authorised by or acting on behalf of the authority to the relevant premises in order to examine the required records, data, procedures and any other material pertinent to the execution of the tasks of the authority.

ATCO.OR.B.030 Findings

After receipt of notification of findings issued by the authority in accordance with ATCO.AR.E.015, the training organisation shall:

(a) identify the root cause of the finding;

(b) define a corrective action plan; and

(c) demonstrate the corrective action implementation to the satisfaction of the authority within the period agreed with that authority as defined in ATCO.AR.E.015.

ATCO.OR.B.035 Immediate reaction to a safety problem

The training organisation shall implement any safety measures mandated by the authority in accordance with ATCO.AR.C.001(a)(3) for the training organisation activities.
ATCO.OR.B.040  Occurrence reporting

(a) Training organisations providing on-the-job training shall report to the authority any accident, serious incident and occurrence as defined in the Occurrence Reporting regulation, resulting from their training activity.

(b) Reports shall be made as soon as practicable, but in any case within 72 hours of the training organisation identifying the condition to which the report relates, unless exceptional circumstances prevent this.

(c) Where relevant, training organisations shall produce a follow-up report to provide details of actions it intends to take to prevent similar occurrences in the future, as soon as these actions have been identified.

(d) Without prejudice to the Occurrence Reporting regulation, the reports referred to in points (a), (b) and (c) shall be made in a form and manner established by the authority and contain all pertinent information about the condition known to the training organisation.
SUBPART C MANAGEMENT OF AIR TRAFFIC CONTROLLER TRAINING ORGANISATIONS

ATCO.OR.C.001 Management system of training organisations

Training organisations shall establish, implement and maintain a management system that includes:

(a) clearly defined lines of responsibility and accountability throughout the organisation, including direct safety accountability of the accountable manager;

(b) a description of the overall principles of the organisation with regard to safety, referred to as the safety policy;

(c) the identification of aviation safety hazards entailed by the activities of the training organisation, their evaluation and the management of associated risks, including actions to mitigate the risk and verify their effectiveness;

(d) maintaining personnel trained and competent to perform their tasks;

(e) documentation of all management system key processes, including a process for making personnel aware of their responsibilities and the procedure for amending this documentation;

(f) a function to monitor compliance of the organisation with the relevant requirements. Compliance monitoring shall include a feedback system of findings to the accountable manager to ensure effective implementation of corrective actions as necessary;

(g) the management system shall be proportionate to the size of the organisation and its activities, taking into account the hazards and associated risks inherent in those activities.

ATCO.OR.C.005 Contracted activities

(a) Training organisations shall ensure that when contracting or purchasing any parts of their activities, the contracted or purchased activity or part of activity conform to the applicable requirements.

(b) When a training organisation contracts any part of its activity to an organisation that is not itself certified in accordance with this Regulation to carry out such activity, the contracted organisation shall work under the terms of approval contained in the certificate issued to the contracting training organisation. The contracting training organisation shall ensure that the authority is given access to the contracted organisation to determine continued compliance with the applicable requirements.

ATCO.OR.C.010 Personnel requirements

(a) Training organisations shall appoint an accountable manager.

(b) A person or persons shall be nominated by the training organisation with the responsibility for training. Such person or persons shall be ultimately responsible to the accountable manager.

(c) Training organisations shall have sufficient qualified personnel for the planned tasks and activities to be performed in accordance with the applicable requirements.

(d) Training organisations shall maintain a record of theoretical instructors with their relevant professional qualifications, adequate knowledge and experience and their demonstration, instructional techniques assessment and subjects they are entitled to teach.

(e) Training organisations shall establish a procedure to maintain competence of the theoretical instructors.

(f) Training organisations shall ensure that practical instructors and assessors successfully complete refresher training in order to revalidate the respective endorsement.

(g) Training organisations shall maintain a record of persons qualified for assessing practical instructors’ competence and assessors’ competence, in accordance with ATCO.C.045, with their relevant endorsements.
ATCO.OR.C.015 Facilities and equipment

(a) Training organisations shall have facilities allowing the performance and management of all planned tasks and activities in accordance with this Regulation.

(b) The training organisation shall ensure that the synthetic training devices comply with the applicable specifications and requirements appropriate to the task.

(c) During on-the-job training instruction, the training organisation shall ensure that the instructor has exactly the same information as the person undertaking OJT and the means to intervene immediately.

ATCO.OR.C.020 Record keeping

(a) Training organisations shall retain detailed records of persons undertaking or having undertaken training to show that all requirements of the training courses have been met.

(b) Training organisations shall establish and maintain a system for recording the professional qualifications and instructional techniques assessments of instructors and assessors, as well as the subjects they are entitled to teach, where appropriate.

(c) The records required in points (a) and (b) shall be retained for a minimum period of five years subject to the applicable national data protection law:

(1) after the person undertaking training has completed the course; and

(2) after the instructor or assessor ceases to perform a function for the training organisation, as applicable.

(d) The archiving process including the format of the records shall be specified in the training organisation's management system.

(e) Records shall be stored in a secure manner.

ATCO.OR.C.025 Funding and insurances

Training organisations shall demonstrate that sufficient funding is available to conduct the training according to this Regulation and that the activities have sufficient insurance cover in accordance with the nature of the training provided and all activities can be carried out in accordance with this Regulation.
SUBPART D REQUIREMENTS FOR TRAINING COURSES AND TRAINING PLANS

ATCO.OR.D.001 Requirements for training courses and training plans

Training organisations shall develop:

(a) training plans and training courses associated to the type(s) of training provided in accordance with the requirements set out in Annex I (Part ATCO), Subpart D;

(b) subjects, subject objectives, topics and subtopics for rating endorsements in accordance with the requirements laid down in Annex I (Part ATCO);

(c) methods of assessments in accordance with ATCO.D.090(a)(3) and ATCO.D.095(a)(3).

ATCO.OR.D.005 Examination and assessment results and certificates

(a) The training organisation shall make available to the applicant his/her results of examinations and assessments and, upon applicant's request, issue a certificate with his/her result of examinations and assessments.

(b) Upon successful completion of initial training, or of rating training for the issue of an additional rating, the training organisation shall issue a certificate.

(c) A certificate of completion of the basic training shall only be issued upon request of the applicant if all subjects, topics and subtopics contained in Appendix 2 of Annex I have been completed and the applicant has successfully passed the associated examinations and assessments.
SUBPART E REQUIREMENTS FOR AERO-MEDICAL CENTRES

ATCO.OR.E.001 Aero-medical centres

Aero-medical centres (AeMCs) shall apply the provisions of Subparts ORA.GEN and ORA.AeMC of Annex VII (Part ORA) of Aircrew Licencing regulation, with:

(a) all references to class 1 to be replaced with class 3; and
(b) all references to Part MED to be replaced with Part ATCO.MED.
ANNEX IV - PART ATCO.MED - MEDICAL REQUIREMENTS FOR AIR TRAFFIC CONTROLLERS

SUBPART A - GENERAL REQUIREMENTS

SECTION 1 General

ATCO.MED.A.005 Scope

This Part establishes the requirements for:

(a) the issue, validity, revalidation and renewal of the medical certificate required for exercising the privileges of an air traffic controller licence or of a student air traffic controller licence with the exception of synthetic training device instructor; and

(b) the certification of AMEs to issue class 3 medical certificates.

ATCO.MED.A.010 Definitions

For the purpose of this Part, the following definitions apply:

(a) ‘Accredited medical conclusion’ means the conclusion reached by one or more medical experts acceptable to the licensing authority, on the basis of objective and non-discriminatory criteria, for the purposes of the case concerned, in consultation with operational experts or other experts as necessary and including an operational risk assessment;

(b) ‘Aero-medical assessment’ means the conclusion on the medical fitness of an applicant based on the evaluation of the applicant's medical history and aero-medical examinations as required in this Part and further examinations and medical tests as necessary;

(c) ‘Aero-medical examination’ means inspection, palpation, percussion, auscultation or any other means of investigation especially for determining the medical fitness to exercise the privileges of the licence;

(d) ‘Eye specialist’ means an ophthalmologist or a vision care specialist qualified in optometry and trained to recognise pathological conditions;

(e) ‘Investigation’ means the assessment of a suspected pathological condition of an applicant by means of examinations and tests to verify the presence or absence of a medical condition;

(f) ‘Licensing authority’ means the competent authority of the State that issued the licence, or to which a person applies for the issue of a licence, or, when a person has not yet applied for the issue of a licence, the authority for this Part;

(g) ‘Limitation’ means a condition placed on the medical certificate that shall be complied with whilst exercising the privileges of the licence;

(h) ‘Refractive error’ means the deviation from emmetropia measured in dioptres in the most ametropic meridian, measured by standard methods;

(i) ‘Significant’ means a degree of a medical condition, the effect of which would prevent the safe exercise of the privileges of the licence.

ATCO.MED.A.015 Medical confidentiality

All persons involved in aero-medical examination, aero-medical assessment and certification shall ensure that medical confidentiality is respected at all times.
ATCO.MED.A.020 Decrease in medical fitness

(a) Licence holders shall not exercise the privileges of their licence at any time when they:

1. are aware of any decrease in their medical fitness which might render them unable to safely exercise those privileges;
2. take or use any prescribed or non-prescribed medication which is likely to interfere with the safe exercise of the privileges of the licence;
3. receive any medical, surgical or other treatment that is likely to interfere with the safe exercise of the privileges of the licence.

(b) In addition, holders of a class 3 medical certificate shall, without undue delay and before exercising the privileges of their licence, seek aero-medical advice when they:

1. have undergone a surgical operation or invasive procedure;
2. have commenced the regular use of any medication;
3. have suffered any significant personal injury involving any incapacity to exercise the privileges of the licence;
4. have been suffering from any significant illness involving any incapacity to exercise the privileges of the licence;
5. are pregnant;
6. have been admitted to hospital or medical clinic;
7. first require correcting lenses.

In these cases the AeMC or AME shall assess the medical fitness of the licence holder or student air traffic controller and decide whether they are fit to resume the exercise of their privileges.

ATCO.MED.A.025 Obligations of AeMC and AME

(a) When conducting aero-medical examinations and assessments as required in this Part, the AeMC or AME shall:

1. ensure that communication with the applicant can be established without language barriers;
2. make the applicant aware of the consequences of providing incomplete, inaccurate or false statements on their medical history;
3. notify the authority if the applicant provides incomplete, inaccurate or false statements on their medical history;
4. notify the licensing authority if the applicant withdraws the application for a medical certificate at any stage of the process.

(b) After completion of the aero-medical examinations and assessments, the AeMC and AME shall:

1. advise the applicant whether fit, unfit or referred to the authority;
2. inform the applicant of any limitation placed on the medical certificate; and
3. if the applicant has been assessed as unfit, inform him/her of his/her right of a review of the decision; and
4. submit without delay to the authority a signed, or electronically authenticated, report containing the detailed results of the aero-medical examination and assessment for the medical certificate and a copy of the application form, the examination form and the medical certificate; and
5. inform the applicant of their responsibility in the case of decrease in medical fitness as specified in ATCO.MED.A.020.
(c) AeMCs and AMEs shall maintain records with details of aero-medical examinations and assessments performed in accordance with this Part and their results for a minimum period of 10 years, or for a period as determined by national legislation if this is longer.

(d) AeMCs and AMEs shall submit to the medical assessor of the authority, upon request, all aero-medical records and reports, and any other relevant information when required for:

1. medical certification;
2. oversight functions.
SECTION 2 Requirements for medical certificates

ATCO.MED.A.030 Medical certificates

(a) Applicants for and holders of an air traffic controller licence, or student air traffic controller licence, shall hold a class 3 medical certificate.

(b) A licence holder shall not at any time hold more than one medical certificate issued in accordance with this Part.

ATCO.MED.A.035 Application for a medical certificate

(a) Applications for a medical certificate shall be made in a format established by the authority.

(b) Applicants for a medical certificate shall provide the AeMC or AME with:

1. proof of their identity;
2. a signed declaration:
   i. of medical facts concerning their medical history;
   ii. as to whether they have previously applied for a medical certificate or have undergone an aero-medical examination for a medical certificate and, if so, by whom and with what result;
   iii. as to whether they have ever been assessed as unfit or had a medical certificate suspended or revoked.

(c) When applying for a revalidation or renewal of the medical certificate, applicants shall present the most recent medical certificate to the AeMC or AME prior to the relevant aero-medical examinations.

ATCO.MED.A.040 Issue, revalidation and renewal of medical certificates

(a) A medical certificate shall only be issued, revalidated or renewed once the required aero-medical examinations and assessments have been completed and the applicant has been assessed as fit.

(b) Initial issue:
   Initial class 3 medical certificates shall be issued by an AeMC.

(c) Revalidation and renewal:
   Class 3 medical certificates shall be revalidated or renewed by an AeMC or an AME.

(d) The AeMC or AME shall only issue, revalidate or renew a medical certificate if:
   1. the applicant has provided them with a complete medical history and, if required by the AeMC or AME, results of aero-medical examinations and tests conducted by the applicant's physician or any medical specialists; and
   2. the AeMC or AME has conducted the aero-medical assessment based on the aero-medical examinations and tests as required to verify that the applicant complies with all the relevant requirements of this Part.

(e) The AME, AeMC or, in the case of referral, the licensing authority may require the applicant to undergo additional medical examinations and investigations when clinically indicated before the medical certificate is issued, revalidated or renewed.

(f) The licensing authority may issue or reissue a medical certificate, as applicable, if:
   1. a case is referred;
   2. it has identified that corrections to the information on the certificate are necessary, in which case the incorrect medical certificate shall be revoked.

ATCO.MED.A.045 Validity, revalidation and renewal of medical certificates

(a) Validity:
(1) Class 3 medical certificates shall be valid for a period of 24 months.

(2) The period of validity of class 3 medical certificates shall be reduced to 12 months for licence holders who have reached the age of 40. A medical certificate issued prior to reaching the age of 40 shall cease to be valid when the licence holder reaches the age of 41.

(3) The validity period of a medical certificate, including any associated examination or special investigation, shall be:

(i) determined by the age of the applicant at the date when the aero-medical examination takes place; and
(ii) calculated from the date of the aero-medical examination in the case of initial issue and renewal, and from the expiry date of the previous medical certificate in the case of revalidation.

(b) Revalidation:

Aero-medical examinations and assessments for the revalidation of a medical certificate may be undertaken up to 45 days prior to the expiry date of the medical certificate.

(c) Renewal:

(1) If the holder of a medical certificate does not comply with point (b), a renewal aero-medical examination and assessment shall be required.

(2) If the medical certificate has expired for:

(i) less than 2 years, a routine revalidation aero-medical examination shall be performed;
(ii) more than 2 years, the AeMC or AME shall only conduct the renewal aero-medical examination after assessment of the aero-medical records of the applicant;
(iii) more than 5 years, the aero-medical examination requirements for initial issue shall apply and the assessment shall be based on the revalidation requirements.

ATCO.MED.A.046  Suspension or revocation of a medical certificate

(a) Upon revocation of the medical certificate, the holder shall immediately return the medical certificate to the authority.

(b) Upon suspension of the medical certificate, the holder shall return the medical certificate to the authority on request of the authority.

ATCO.MED.A.050  Referral

If an applicant for a class 3 medical certificate is referred to the licensing authority in accordance with ATCO MED.B.001, the AeMC or AME shall transfer the relevant medical documentation to the authority.
SUBPART B - REQUIREMENTS FOR AIR TRAFFIC CONTROLLER MEDICAL CERTIFICATES

SECTION 1 General

ATCO.MED.B.001 Limitations to medical certificates

(a) Limitations to class 3 medical certificates:

(1) If the applicant does not fully comply with the requirements for a class 3 medical certificate but is considered to be not likely to jeopardise the safe exercise of the privileges of the licence, the AeMC or AME shall:

(i) refer the decision on fitness of the applicant to the authority as indicated in this Subpart; or

(ii) in cases where a referral to the licensing authority is not indicated in this Subpart, evaluate whether the applicant is able to perform their duties safely when complying with one or more limitations endorsed on the medical certificate, and issue the medical certificate with limitation(s) as necessary.

(2) The AeMC or AME may revalidate or renew a medical certificate with the same limitation without referring the applicant to the licensing authority.

(b) When assessing whether a limitation is necessary, particular consideration shall be given to:

(1) whether accredited medical conclusion indicates that in special circumstances the applicant's failure to meet any requirement, whether numerical or otherwise, is such that exercise of the privileges of the licence is not likely to jeopardise the safe exercise of the privileges of the licence;

(2) the applicant's experience relevant to the operation to be performed.

(c) Operational limitations

(1) The authority, in conjunction with the air navigation service provider, shall determine the operational limitations applicable in the specific operational environment concerned.

(2) Appropriate operational limitations shall only be placed on the medical certificate by the authority.

(d) Any other limitation may be imposed on the holder of a medical certificate if required to ensure the safe exercise of the privileges of the licence.

(e) Any limitation imposed on the holder of a medical certificate shall be specified therein.
SECTION 2 Medical requirements for class 3 medical certificates

ATCO.MED.B.005 General

Applicants shall be free from any of the following that would entail a degree of functional incapacity which is likely to interfere with the safe performance of duties or could render the applicant likely to become suddenly unable to exercise the privileges of the licence safely:

1. abnormality, congenital or acquired;
2. active, latent, acute or chronic disease or disability;
3. wound, injury or sequelae from operation;
4. effect or side effect of any prescribed or non-prescribed therapeutic, diagnostic or preventive medication taken.

ATCO.MED.B.010 Cardiovascular system

(a) Examination:

1. A standard 12-lead resting electrocardiogram (ECG) and report shall be completed at the examination for the initial issue of a medical certificate and then:
   (i) every 4 years until the age of 30;
   (ii) at all revalidation or renewal examinations thereafter; and
   (iii) when clinically indicated.

2. An extended cardiovascular assessment shall be completed:
   (i) at the first revalidation or renewal examination after the age of 65;
   (ii) every 4 years thereafter; and
   (iii) when clinically indicated.

3. Estimation of serum lipids, including cholesterol, shall be required at the examination for the initial issue of a medical certificate, at the first examination after having reached the age of 40, and when clinically indicated.

(b) Cardiovascular system - General:

1. Applicants with any of the following conditions shall be assessed as unfit:
   (i) aneurysm of the thoracic or supra-renal abdominal aorta before surgery;
   (ii) significant functional or symptomatic abnormality of any of the heart valves;
   (iii) heart or heart/lung transplantation.
Applicants with an established history or diagnosis of any of the following conditions shall be referred to the licensing authority before a fit assessment may be considered:

(i) peripheral arterial disease before or after surgery;
(ii) aneurysm of the thoracic or supra-renal abdominal aorta after surgery;
(iii) aneurysm of the infra-renal abdominal aorta before or after surgery;
(iv) functionally insignificant cardiac valvular abnormalities;
(v) after cardiac valve surgery;
(vi) abnormality of the pericardium, myocardium or endocardium;
(vii) congenital abnormality of the heart, before or after corrective surgery;
(viii) recurrent vasovagal syncope;
(ix) arterial or venous thrombosis;
(x) pulmonary embolism;
(xi) cardiovascular condition requiring systemic anticoagulant therapy.

(c) Blood pressure:

(1) Blood pressure shall be recorded at each examination.
(2) The applicant’s blood pressure shall be within normal limits.
(3) Applicants shall be assessed as unfit when:
   (i) they have symptomatic hypotension; or
   (ii) when their blood pressure at examination consistently exceeds 160 mmHg systolic and/or 95 mmHg diastolic, with or without treatment.
(4) The initiation of medication for the control of blood pressure shall require a period of temporary unfit assessment to establish the absence of significant side effects.

(d) Coronary artery disease:

(1) Applicants with any of the following conditions shall be assessed as unfit:
   (i) symptomatic coronary artery disease;
   (ii) symptoms of coronary artery disease controlled by medication.
(2) Applicants with any of the following conditions shall be referred to the licensing authority and undergo cardiological evaluation to exclude myocardial ischaemia before a fit assessment may be considered:
   (i) suspected myocardial ischaemia;
   (ii) asymptomatic minor coronary artery disease requiring no anti-anginal treatment.
(3) Applicants with a history or diagnosis of any of the following conditions shall be referred to the licensing authority and undergo a cardiological evaluation before a fit assessment may be considered:
   (i) myocardial ischaemia;
   (ii) myocardial infarction;
   (iii) revascularisation and stenting for coronary artery disease.

(e) Rhythm/Conduction disturbances:
Applicants for a class 3 medical certificate with any significant disturbance of cardiac conduction or rhythm, intermittent or established shall be referred to the licensing authority and undergo cardiological evaluation with satisfactory results before a fit assessment may be considered. These disturbances shall include any of the following:

- Disturbance of supraventricular rhythm, including intermittent or established sinoatrial dysfunction, atrial fibrillation and/or flutter and asymptomatic sinus pauses;
- Complete left bundle branch block;
- Mobitz type 2 atrioventricular block;
- Broad and/or narrow complex tachycardia;
- Ventricular pre-excititation;
- Asymptomatic QT prolongation;
- Brugada pattern on electrocardiography.

Applicants with any of the conditions listed in points (i) to (viii) may be assessed as fit in the absence of any other abnormality and subject to satisfactory cardiological evaluation:

- Incomplete bundle branch block;
- Complete right bundle branch block;
- Stable left axis deviation;
- Asymptomatic sinus bradycardia;
- Asymptomatic sinus tachycardia;
- Asymptomatic isolated uniform supra-ventricular or ventricular ectopic complexes;
- First degree atrioventricular block;
- Mobitz type 1 atrioventricular block.

Applicants with a history of any of the following conditions shall be referred to the licensing authority and undergo cardiological evaluation with satisfactory results before a fit assessment may be considered:

- Ablation therapy;
- Pacemaker implantation.

Applicants with any of the following conditions shall be assessed as unfit:

- Symptomatic sinoatrial disease;
- Complete atrioventricular block;
- Symptomatic QT prolongation;
- An automatic implantable defibrillating system;
- A ventricular anti-tachycardia pacemaker.

**ATCO.MED.B.015 Respiratory system**

(a) Applicants with significant impairment of pulmonary function shall be referred to the licensing authority for the aero-medical assessment. A fit assessment may be considered once pulmonary function has recovered and is satisfactory.

(b) Examination:

Pulmonary function tests are required at the initial examination and on clinical indication.

(c) Applicants with a history or established diagnosis of asthma requiring medication shall undergo a satisfactory respiratory evaluation. A fit assessment may be considered if the applicant is asymptomatic and treatment does not affect safety.
(d) Applicants with a history or established diagnosis in any of the following shall be referred to the licensing authority and undergo respiratory evaluation with a satisfactory result before a fit assessment may be considered:

1. active inflammatory disease of the respiratory system;
2. active sarcoidosis;
3. pneumothorax;
4. sleep apnoea syndrome;
5. major thoracic surgery;
6. chronic obstructive pulmonary disease;
7. lung transplantation.

**ATCO.MED.B.020 Digestive system**

(a) Applicants with any sequelae of disease or surgical intervention in any part of the digestive tract or its adnexa likely to cause incapacitation, in particular any obstruction due to stricture or compression, shall be assessed as unfit.

(b) Applicants shall be free from herniae that might give rise to incapacitating symptoms.

(c) Applicants with disorders of the gastrointestinal system, including those in points (1) to (5) may be assessed as fit subject to a satisfactory gastroenterological evaluation after successful treatment or full recovery after surgery:

1. recurrent dyspeptic disorder requiring medication;
2. pancreatitis;
3. symptomatic gallstones;
4. an established diagnosis or history of chronic inflammatory bowel disease;
5. after surgical operation on the digestive tract or its adnexa, including surgery involving total or partial excision or a diversion of any of these organs.

**ATCO.MED.B.025 Metabolic and endocrine systems**

(a) Applicants with metabolic, nutritional or endocrine dysfunction may be assessed as fit subject to demonstrated stability of the condition and satisfactory aero-medical evaluation.

(b) Diabetes mellitus:

1. Applicants with diabetes mellitus requiring insulin shall be assessed as unfit.
2. Applicants with diabetes mellitus requiring medication other than insulin for blood sugar control shall be referred to the licensing authority. A fit assessment may be considered if it can be demonstrated that blood sugar control has been achieved and is stable.

**ATCO.MED.B.030 Haematology**

(a) Blood testing, if any, shall be determined by the AME or AeMC taking into account the medical history and following the physical examination.
(b) Applicants with a haematological condition, such as:
   (1) coagulation, haemorrhagic or thrombotic disorder;
   (2) chronic leukaemia;
   (3) abnormal haemoglobin, including, but not limited to, anaemia, erythrocytosis or haemoglobinopathy;
   (4) significant lymphatic enlargement;
   (5) enlargement of the spleen;
   shall be referred to the licensing authority. A fit assessment may be considered subject to satisfactory aero-
   medical evaluation.

(c) Applicants suffering from acute leukaemia shall be assessed as unfit.

ATCO.MED.B.035 Genitourinary system

(a) Urinalysis shall form part of every aero-medical examination. The urine shall contain no abnormal element
    considered to be of pathological significance.

(b) Applicants with any sequelae of disease or surgical procedures on the genitourinary system or its adnexa
    likely to cause incapacitation, in particular any obstruction due to stricture or compression, shall be
    assessed as unfit.

(c) Applicants with a genitourinary disorder, such as:
   (1) renal disease;
   (2) one or more urinary calculi;
   may be assessed as fit subject to satisfactory renal/urological evaluation.

(d) Applicants who have undergone:
   (1) a major surgical operation in the genitourinary system or its adnexa involving a total or partial excision
       or a diversion of its organs; or
   (2) major urological surgery;
   shall be referred to the licensing authority for an aero-medical assessment after full recovery before a fit
   assessment may be considered.

ATCO.MED.B.040 Infectious disease

(a) Applicants who are HIV positive shall be referred to the licensing authority and may be assessed as fit
    subject to satisfactory specialist evaluation and provided the licensing authority has sufficient evidence that
    the therapy does not compromise the safe exercise of the privileges of the licence.

(b) Applicants diagnosed with or presenting symptoms of infectious disease such as:
   (1) acute syphilis;
   (2) active tuberculosis;
   (3) infectious hepatitis;
   (4) tropical diseases;
   shall be referred to the licensing authority for an aero-medical assessment. A fit assessment may be
   considered after full recovery and specialist evaluation provided the licensing authority has sufficient
   evidence that the therapy does not compromise the safe exercise of the privileges of the licence.

ATCO.MED.B.045 Obstetrics and gynaecology

(a) Applicants who have undergone a major gynaecological operation shall be assessed as unfit until full
    recovery.
Pregnancy:
In the case of pregnancy, if the AeMC or AME considers that the licence holder is fit to exercise her privileges, he/she shall limit the validity period of the medical certificate to the end of the 34th week of gestation. The licence holder shall undergo a revalidation aero-medical examination and assessment after full recovery following the end of the pregnancy.

ATCO.MED.B.050 Musculoskeletal system

(a) Applicants shall have satisfactory functional use of the musculoskeletal system to enable them to safely exercise the privileges of the licence.

(b) Applicants with static or progressive musculoskeletal or rheumatologic conditions likely to interfere with the safe exercise of the licence privileges shall be referred to the licensing authority. A fit assessment may be considered after satisfactory specialist evaluation.

ATCO.MED.B.055 Psychiatry

(a) Applicants with a mental or behavioural disorder due to alcohol or other use or misuse of psychoactive substances, including recreational substances with or without dependency, shall be assessed as unfit until after a period of documented sobriety or freedom from psychoactive substance use or misuse and subject to satisfactory psychiatric evaluation after successful treatment. Applicants shall be referred to the licensing authority.

(b) Applicants with a psychiatric condition such as:
   (1) mood disorder;
   (2) neurotic disorder;
   (3) personality disorder;
   (4) mental or behavioural disorder;

   shall undergo satisfactory psychiatric evaluation before a fit assessment may be considered. Applicants shall be referred to the licensing authority for the assessment of their medical fitness.

(c) Applicants with a history of a single or repeated acts of deliberate self-harm shall be assessed as unfit. Applicants shall be referred to the licensing authority and shall undergo satisfactory psychiatric evaluation before a fit assessment may be considered.

(d) Applicants with an established history or clinical diagnosis of schizophrenia, schizotypal, delusional disorder or mania shall be assessed as unfit.

ATCO.MED.B.060 Psychology

(a) Applicants who present with stress-related symptoms that are likely to interfere with their ability to exercise the privileges of the licence safely shall be referred to the licensing authority. A fit assessment may only be considered after a psychological and/or psychiatric evaluation has demonstrated that the applicant has recovered from stress-related symptoms.

(b) A psychological evaluation may be required as part of, or complementary to, a specialist psychiatric or neurological examination.

ATCO.MED.B.065 Neurology

(a) Applicants with an established history or clinical diagnosis of the following shall be assessed as unfit:
   (1) epilepsy except in cases in point (b)(1) and (2);
   (2) recurring episodes of disturbance of consciousness of uncertain cause;
   (3) conditions with a high propensity for cerebral dysfunction.
Applicants with an established history or clinical diagnosis of the following conditions shall be referred to the licensing authority and undergo further evaluation before a fit assessment may be considered:

1. epilepsy without recurrence after the age of 5;
2. epilepsy without recurrence and off all treatment for more than 10 years;
3. epileptiform EEG abnormalities and focal slow waves;
4. progressive or non-progressive disease of the nervous system;
5. a single episode of disturbances or loss of consciousness;
6. brain injury;
7. spinal or peripheral nerve injury;
8. disorders of the nervous system due to vascular deficiencies including haemorrhagic and ischaemic events.

ATCO.MED.B.070 Visual system

(a) Examination:

1. A comprehensive eye examination shall form part of the initial examination and be undertaken periodically depending on the refraction and the functional performance of the eye.
2. A routine eye examination shall form part of all revalidation and renewal examinations.
3. Applicants shall undergo tonometry at the first revalidation examination after the age of 40, on clinical indication and if indicated considering the family history.
4. Applicants shall supply the AeMC or AME with an ophthalmic examination report in cases where:
   i. the functional performance shows significant changes;
   ii. the distant visual standards can only be reached with corrective lenses.
5. Applicants with a high refractive error shall be referred to the licensing authority.

(b) Distant visual acuity, with or without optimal correction, shall be 6/9 (0,7) or better in each eye separately, and visual acuity with both eyes shall be 6/6 (1,0) or better.

(c) Initial applicants having monocular or functional monocular vision, including eye muscle balance problems, shall be assessed as unfit. At revalidation or renewal examinations the applicant may be assessed as fit provided that an ophthalmological examination is satisfactory. The applicant shall be referred to the licensing authority.

(d) Initial applicants with acquired substandard vision in one eye shall be assessed as unfit. At revalidation or renewal examinations the applicant shall be referred to the licensing authority and may be assessed as fit provided that an ophthalmological examination is satisfactory.

(e) Applicants shall be able to read an N5 chart or equivalent at 30 - 50 cm and an N14 chart or equivalent at 60 - 100 cm distance, if necessary with the aid of correction.

(f) Applicants shall have normal fields of vision and normal binocular function.

(g) Applicants who have undergone eye surgery shall be assessed as unfit until full recovery of the visual function. A fit assessment may be considered by the licensing authority subject to satisfactory ophthalmic evaluation.

(h) Applicants with a clinical diagnosis of keratoconus shall be referred to the licensing authority and may be assessed as fit subject to a satisfactory examination by an ophthalmologist.

(i) Applicants with diplopia shall be assessed as unfit.
(j) Spectacles and contact lenses
   (1) If satisfactory visual function for the rated duties is achieved only with the use of correction, the
       spectacles or contact lenses must provide optimal visual function, be well tolerated, and suitable for air
       traffic control purposes.
   (2) No more than one pair of spectacles, when worn during the exercise of licensed privileges, shall be
       used to meet the visual requirements at all distances.
   (3) A spare set of similarly correcting spectacles shall be readily available when exercising the privileges of
       the licence(s).
   (4) Contact lenses, when are worn during the exercise of licensed privileges, shall be mono-focal, non-
       tinted and not orthokeratological. Monovision contact lenses shall not be used.
   (5) Applicants with a large refractive error shall use contact lenses or high index spectacle lenses.

ATCO.MED.B.075 Colour vision

Applicants shall be normal trichromates.

ATCO.MED.B.080 Otorhinolaryngology

(a) Examination:
   (1) A routine otorhinolaryngological examination shall form part of all initial, revalidation and renewal
       examinations.
   (2) Hearing shall be tested at all examinations. The applicant shall understand correctly conversational
       speech when tested with each ear at a distance of 2 metres from and with his/her back turned towards
       the AME.
   (3) Hearing shall be tested with pure tone audiometry at the initial examination and at subsequent
       revalidation or renewal examinations every 4 years until the age of 40 and every 2 years thereafter.
   (4) Pure-tone audiometry:
      (i) Applicants for a class 3 medical certificate shall not have a hearing loss of more than 35 dB at any
          of the frequencies 500, 1 000 or 2 000 Hz, or more than 50 dB at 3 000 Hz, in either ear separately.
      (ii) Applicants who do not meet the hearing criteria above shall be referred to the licensing authority
          and undergo a specialist assessment before a fit assessment may be considered. Initial applicants
          shall undergo a speech discrimination test. Applicants for a revalidation or renewal of a class 3
          medical certificate shall undergo a functional hearing test in the operational environment.
   (5) Hearing aids:
      (i) Initial examination: the need of hearing aids to comply with the hearing requirements entails
          unfitness.
      (ii) Revalidation and renewal examinations: a fit assessment may be considered if the use of hearing
          aid(s) or of an appropriate prosthetic aid improves the hearing to achieve a normal standard as
          assessed by fully functional testing in the operational environment.
      (iii) If a prosthetic aid is needed to achieve the normal hearing standard, a spare set of the equipment
          and accessories, such as batteries, shall be available when exercising the privileges of the licence.
(b) Applicants with:
   (1) an active chronic pathological process of the internal or middle ear;
   (2) unhealed perforation or dysfunction of the tympanic membrane(s);
   (3) disturbance of vestibular function;
   (4) significant malformation or significant chronic infection of the oral cavity or upper respiratory tract;
   (5) significant disorder of speech or voice reducing intelligibility;

shall be referred to the licensing authority and undergo further ORL examination and assessment to establish that the condition does not interfere with the safe exercise of the privileges of the licence.

ATCO.MED.B.085 Dermatology

Applicants shall have no established dermatological condition likely to interfere with the safe exercise of the privileges of the licence held.

ATCO.MED.B.090 Oncology

(a) After diagnosis of primary or secondary malignant disease, applicants shall be referred to the licensing authority and shall undergo satisfactory oncological evaluation before a fit assessment may be considered.

(b) Applicants with an established history or clinical diagnosis of an intracerebral malignant tumour shall be assessed as unfit.
SUBPART C - AERO-MEDICAL EXAMINERS (AMEs)

ATCO.MED.C.001 Privileges

(a) In accordance with this Part, the privileges of an AME are to revalidate and renew class 3 medical certificates, and to conduct the relevant aero-medical examinations and assessments.

(b) The scope of the privileges of the AME, and any condition thereof, shall be specified in the certificate.

(c) Holders of an AME certificate issued by the authority shall not undertake aero-medical examinations and assessments in a State other than the State of Qatar, unless they have:

1. been granted access by the host State to exercise their professional activities as a specialised doctor;
2. informed the authority of the host State of their intention to conduct aero-medical examinations and assessments and to issue medical certificates within the scope of their privileges as AME; and
3. received a briefing from the authority of the host State.

ATCO.MED.C.005 Application

(a) The application for an AME certificate shall be submitted in accordance with the procedure established by the authority.

(b) Applicants for an AME certificate shall provide the authority with:

1. personal details and professional address;
2. documentation demonstrating that they comply with the requirements established in ATCO.MED.C.010, including the certificate of completion of the training courses in aviation medicine appropriate to the privileges they apply for;
3. a written declaration that the AME will issue medical certificates on the basis of the requirements of this Part.

(c) When the AME undertakes aero-medical examinations in more than one location, they shall provide the authority with relevant information regarding all practice locations and practice facilities.

ATCO.MED.C.010 Requirements for the issue of an AME certificate

Applicants for an AME certificate with the privileges for the revalidation and renewal of class 3 medical certificates shall:

(a) be fully qualified and licensed for the practice of medicine and hold a Certificate of Completion, or have evidence of, specialist medical training;

(b) have successfully completed basic and advanced training courses in aviation medicine, including specific modules for the aero-medical assessment of air traffic controllers and the specific environment in air traffic control;

(c) demonstrate to the authority that they:

1. have adequate facilities, procedures, documentation and functioning equipment suitable for aero-medical examinations; and
2. have in place the necessary procedures and conditions to ensure medical confidentiality.

ATCO.MED.C.015 Training courses in aviation medicine

(a) Training courses in aviation medicine shall be approved by the authority. The training provider shall demonstrate that the course syllabus contains the learning objectives to acquire the necessary competencies and that the persons in charge of providing the training have adequate knowledge and experience.

(b) Except in the case of refresher training, the courses shall be concluded by a written examination on the subjects included in the course content.
The training provider shall issue a certificate of completion to the applicants when they have obtained a pass in the examination.

ATCO.MED.C.020 Changes to the AME certificate

(a) AMEs shall notify the authority of the following circumstances which could affect their certificate:
   (1) the AME is subject to disciplinary proceedings or investigation by a medical regulatory body;
   (2) there are any changes to the conditions on which the certificate was granted, including the content of the statements provided with the application;
   (3) the requirements for the issue of an AME certificate are no longer met;
   (4) there is a change to the aero-medical examiner's practice location(s) or correspondence address.

(b) Failure to inform the authority shall result in the suspension or revocation of the privileges of the AME certificate, on the basis of the decision of the authority.

ATCO.MED.C.025 Validity of AME certificates

An AME certificate shall be issued for a period not exceeding 3 years. It shall be revalidated provided the holder:

(a) continues to fulfil the general conditions required for medical practice and maintains registration as a medical practitioner;
(b) has undertaken refresher training in aviation medicine and in the working environments of air traffic controllers within the last 3 years;
(c) has performed at least 10 aero-medical examinations every year. This number of examinations may only be reduced by the authority in duly justified circumstances;
(d) remains in compliance with the terms of their AME certificate; and
(e) exercises the AME privileges in accordance with this Part.