

[TO BE PUBLISHED IN THE GAZETTE OF INDIA, EXTRAORDINARY, PART II, SECTION 3, SUB-SECTION (I)]

**GOVERNMENT OF INDIA
MINISTRY OF CIVIL AVIATION**

Notification

New Delhi, the May , 2009

G.S.R. (E).- The following draft of certain rules further to amend the aircraft Rules 1937, which the Central Government proposes to make in exercise of the power conferred by section 5 of the Aircraft Act, 1934 (22 of 1934), is hereby published as required by section 14 of the said Act, for information of all persons likely to be affected thereby; and notice is hereby given that the said draft will be taken into consideration after a period of thirty days from the date on which the copiers of the Gazette of India in which this notification is published, are made available to the public;

Objections or suggestions, if any, may be addressed to the Director General of Civil Aviation, Opposite Safdarjung Airport, New Delhi – 110 003;

Any objection or suggestion which may be received from any person with respect to the said draft rules before the expiry of the period specified above will be considered by the Central Government.

DRAFT RULES

1. (1) These rules may be called the Aircraft(..... Amendment) Rules, 2009.
(2) They shall come into force on the date of their final publication in the Official Gazette.
2. In the Aircraft Rules, 1937,
(1) after Part XI, the following Part shall be inserted, namely:-

“ PART XII – PERSONNEL OF AIR TRAFFIC SERVICES

93. Definitions and Interpretations – In this part unless there is anything repugnant in the subject or context -

- (1) “Air traffic” means all aircraft in flight or operating on the manoeuvring area of an aerodrome;

(2) “Air Traffic Controller’s Licence” means a document that identifies a person as a qualified Air Traffic Controller and contains personal, medical and professional qualifications including details of ratings, endorsements and current competence/validity;

(3) “Air traffic service” means a generic term meaning variously, flight information service, alerting service, air traffic advisory service, air traffic control service (area control service, approach control service or aerodrome control service);

(4) “Air traffic services unit” mean a generic term meaning variously, air traffic control unit, flight information centre or air traffic services reporting office;

(5) “Approved training” means an approved training conducted in approved training organization that shall ensure an adequate level of personnel competency to carry out designated tasks, including the practical integration of acquired knowledge and skills where appropriate;

(6) “Assessment” means an evaluation based on engineering, operational judgement and/ or analysis methods;

(7) “Endorsement” means an entry in an Air Traffic Controller’s licence indicating the air traffic control unit and the operational positions or sectors at which a controller may exercise the privileges of the valid rating or ratings included in the licence;

(8) “Flight information region” means an airspace of defined dimensions within which flight information service and alerting service are provided;

(9) “Flight information service” means a service provided for the purpose of giving advice and information useful for the safe and efficient conduct of flights;

(10) “On-the-Job Training” means integration in practice of previously acquired job related qualifications and skills under the supervision of a qualified instructor in a live traffic situation.

94. Requirement of Licence for Air Traffic Services Personnel – (1) No person shall engage himself in the provision air traffic services in the Indian airspace or in the airspace outside the Indian Territory for which India has, in pursuance of international arrangements, undertaken to provide air traffic services, unless he holds a valid licence issued under these rules:

Provided that in case of emergency, the air traffic control services may be provided in accordance with the directions issued by the Director-General.

(2) The air traffic services in the airspace designated for military use may be provided by its designated authority in accordance with and subject to the conditions specified by the Director-General.

(3) Any person already engaged in air traffic services before the commencement of the Aircraft (.....Amendment) Rules, 2009 may continue to do so till such person obtains a licence in accordance with these rules by the date to be notified by Central Government.

95. Provision of Air Traffic Services at an aerodrome – The Director-General may, in the interest of safety, direct an aerodrome operator to provide air traffic services, aerodrome flight information service or a means of two-way radio communication or any other service, as considered appropriate.

96. Licensing Authority – (1) The authority by whom licence and ratings specified below may be granted, renewed or varied shall be the Director-General :-

- (a) Student Air Traffic Controller's Licence
- (b) Air Traffic Controller's Licence
- (c) Aerodrome Control Rating
- (d) Approach Control Procedural Rating
- (e) Approach Control Surveillance Rating
- (f) Area Control Procedural Rating
- (g) Area Control Surveillance Rating
- (h) Approach Precision Radar Control Rating
- (i) Flight Information Service Rating
- (j) Instructor's Rating

(2) Before granting such licence, the Director-General shall satisfy that the applicant -

- (a) is a fit person to act in the capacity to which the licence relates; and
- (b) meets the requirement of age, qualification, medical standard, knowledge, experience, training and skill as specified in Schedule III.

(3) Such a licence—

- (a) shall, remain valid for the period indicated therein which shall not exceed the period specified in rule 104 ;
- (b) may be renewed from time to time if the applicant meets the requirement for that licence specified in Schedule III; and
- (c) shall not be valid unless the holder has signed it in ink.

(4) Upon being satisfied that the applicant fulfills the requirement specified in Schedule III, the Director-General may include in an Air Traffic Controller's licence, subject to such conditions as he thinks fit, any of the ratings specified in sub rule (1) and such rating shall be part of the licence.

(5) The Director-General may direct, the holder of a Student Air Traffic Controller's or an Air Traffic Controller's licence, to undergo courses, training, examinations, assessments or tests and furnish evidence in support of the knowledge, experience, competency and skill, as deemed fit.

97. Requirement for Radio Telephony Operator's Certificate - A Student Air Traffic Controller's or an Air Traffic Controller's Licence shall be valid when the licence holder possesses a certificate issued for operating the radio telephony equipment in accordance with the provisions of Indian Wireless Telephony Rules, 1954, or any specific, general authorizations issued under said rules.

98. Requirement of rating and unit endorsement - (1) No person shall operate an air traffic service unit which is not included as a rating in his licence.

Provided that an air traffic controller licence holder may operate in a particular air traffic services unit without the relevant rating for the purpose of qualifying for endorsement of such rating on his licence:

Provided further that when doing so, he shall be under the direct supervision of an authorized instructor rated on that particular Air Traffic Service unit.

(2) A licence may contain rating(s) for one or more air traffic services units;

(3) The Director-General may withdraw, withhold the grant or renewal of a licence or a rating and may cancel, suspend or vary any licence or rating if, after giving the licence holder or rating holder an opportunity of being heard, he is satisfied that there is reasonable ground to do so.

99. Fees and other charges- (1) The following fee shall be payable for the issue, renewal and validation of licences and ratings or the issue of duplicate licences and for the tests and examinations for such licences and ratings:-

- (i) for tests and examination for licences and ratings : Rs. 500/- per paper
- (ii) for issue or validation of a licence for Student Air Traffic Controller's Licence : Rs. 1,000/-
- (iii) for renewal of a for Student Air Traffic Controller's Licence : Rs. 500/-

- (iv) for issue or validation of a licence or rating other than Student Air Traffic Controller's Licence : Rs. 5,000/-
- (v) for renewal of a licence or rating other than Student Air Traffic Controller's Licence : Rs. 2,500/-
- (vi) for issue of duplicate Student Air Traffic Controller's Licence : Rs. 250/-
- (vii) for issue of duplicate licence or rating other than Student Air Traffic Controller's Licence. : Rs. 500/-
- (viii) for issue of duplicate result sheet of Examination : Rs. 500/-

(2) For undertaking an assessment, the candidate shall be required to bear all charges in respect of the such assessment, and if a Government Examiner is associated during the assessment, a fee of Rs.5000/- shall be payable for each assessment.

(3) The fee shall be paid by crossed Indian Postal Order or Demand Draft in drawn in favour of "Pay and Accounts Office, Director General of Civil Aviation, Ministry of Civil Aviation, New Delhi."

(4) The fees for the medical examinations conducted by an approved Medical authority shall be paid in the manner as specified by the Director-General.

(5) When in any case the licence or rating is not issued, validated or renewed or a duplicate licence or rating is not issued, the Central Government may order the refund to the applicant of a proportionate part of the sum paid as fees.

100. Maximum age limit for holding licence or rating – No person shall exercise the privileges of his licence after he has attained the age of sixty years.

101. Medical standards- (1) No licence or rating referred in this rule shall be issued or renewed unless the applicant holds a medical assessment issued by the Director General after undergoing a medical examination with an approved medical authority and satisfies the medical standards as specified for the purpose.:

Provided that if in the opinion of the approved medical authority, the condition of the applicant is not such as to introduce any hazard either of

sudden incapacity or of inability to perform his duties safely during the period of validity of his licence or rating and failure to attain the requirement, is capable of being compensated and the Director-General has satisfactory evidence that the applicant has already acquired and demonstrated his ability, skill and experience which compensate for his deficiency, the licence or rating may be renewed or endorsed with any special limitation as deemed fit.

Explanation- For the purposes of this sub-rule, 'approved medical authority' means a medical authority approved by the Director-General.

(2) The Director-General may require holder of a licence to undergo a medical examination by an approved medical authority at any time if, in his opinion, such examination is necessary in the interest of safety of operations.

102. Maintenance of validity of ratings and endorsements — (1) The holder of an Air Traffic Controller's Licence shall not exercise the privileges of the licence or rating contained in the licence unless he possesses a valid medical assessment and meets the competency and recency requirements and the rating is valid for—

- (a) the air traffic services unit(s) or place at which he so acts;
- (b) the sector on which or the operational position at which he so acts; and
- (c) the surveillance equipment, if any, with which he acts.

103. Disqualification from holding or obtaining a licence—(1) Where the Director-General is satisfied, after giving him an opportunity of being heard, that any person –

- (a) is habitually intemperate in the use of alcohol, or is addict of narcotics, drugs and the like, or
- (b) is performing, has performed or is about to perform in an air traffic service unit in the commission of a cognizable offence or in contravention of these rules, or
- (c) has, by his previous conduct as Air Traffic Controller, shown that he is irresponsible in the discharge of his duties connected with his employment or is likely to endanger the safety of the aircraft or any person, in the air or on ground.
- (d) is a habitual criminal or has been convicted by a court in India for an offence involving moral turpitude or an offence which amounts to heinous crime, or

- (e) has obtained the licence, rating, extension of rating or renewal of any of them, by suppression of material information or on basis of wrong information, or
- (f) has unauthorisedly varied or tampered with the particulars entered in a licence or rating or any other relevant document.

The Director-General may, for reasons to be recorded in writing, make an order disqualifying that person for a specified period from holding licence, rating or obtaining a licence.

(2) The Central Government may debar a person permanently or temporarily from holding any licence mentioned in this part if in its opinion it is necessary to do so in the public interest.

(3) Upon the issue of any order under sub-rule (1) or sub-rule (2), the person affected, if he is the holder of a licence, shall forthwith surrender his licence to the licensing authority, if the licence has not already been surrendered. The licensing authority shall keep the licence until the expiry of the period for which the person has been disqualified or debarred, or if he has been debarred permanently, for a period of five years.

104. Period of validity of licences and medical assessment— The period of validity of medical assessment and licence in respect of various categories of licences shall be as specified below , namely:-

Category of Licence	Validity of licence	Validity of medical assessment
(i) Student Air Traffic Controller's Licence	Three years	Twenty four months
(ii) Air Traffic Controller's Licence	Two years	Twenty four months

Note : The period of validity of medical fitness specified above shall be reduced to 12 months after the holder of the licence has attained the age of forty years.

105. Use of radio call signs of ATS units — A licence holder using two-way radio communication shall not use or cause or permit to be used any call sign for a purpose other than a purpose for which that call sign has been notified.

106. Licence holders obligation to notify ceasure, validity and change of unit — (1) Subject to sub rule (2), when a rating ceases to be valid for a unit or operational position, the holder of the licence shall forthwith inform the

person in-charge of the air traffic service of that place and shall not work in that position till such rating is revalidated.

(2) When a rating ceases to be valid for a unit or operational position and is not valid for any other unit or operational position the holder shall notify the licensing authority and forward the licence for the purpose of revalidation after following the procedure laid down for revalidation.

(3) Whenever a person ceases to act as an air traffic controller at a particular unit, he may keep his licence and rating current in accordance with the recency requirement specified in this regard by the Director General.

107. Decrease in medical fitness — (1) The holder of a licence shall not exercise the privileges of his licence and ratings during any period when he is aware that his physical condition has deteriorated or medical fitness has decreased below the standard required for that category of licence.

(2) The holder of a licence shall not exercise the privileges of his licence without being declared fit after a fresh medical examination in the event of his having-

- (a) confirmed pregnancy, sickness or injury involving incapacity for a period of more than twenty days; or
- (b) an injury sustained in any accident occurring during the exercise of the privileges of his licence or otherwise and which is likely to cause incapacity or impair his efficiency in the discharge of his duties.

(3) The licence holder or his employer shall immediately notify all the relevant details of the sickness or injury to the Director-General.

(4) The licence of a person disqualified under sub-rule (2) shall be deemed to be invalid until the holder passes a fresh medical examination.

108. Renewal of expired licence -- If, on the date of application for renewal, the licence has expired for the periods specified below, the applicant may be required to qualify the examinations and skill tests specified therein and such other examinations and tests as the Director-General may consider necessary to assess the applicant's competency to hold that licence.

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|---------------------------------------|---|
| (a) For a period not exceeding 1 year | Assessment required for renewal of licence and ratings. |
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|--|---|
| (b) For a period exceeding 1 year but not exceeding 3 years. | To pass written examination required for issue of a rating and half of on the job training period specified for issue of rating, followed by assessment by examiner or board. |
| c) For a period exceeding 3 years. | All examinations and tests required for the issue of the licence and rating: |

Provided that the Director-General may, before the renewal of a licence may require an applicant to satisfy all or any of the requirements, as required for the issue of licence or rating of the same class, if, in the opinion of the Director-General, the competency of the applicant is below the standard required for the licence or rating:

Provided further that when renewing a licence or a rating, the Director-General may delete any type of rating entered in the licence, if he is satisfied that the holder of the licence does not have reasonable experience or does not possess the required standard of competency for such rating.

109. Approved training organization — (1) The Director General, on being satisfied, may approve a training organization for conducting approved training course required to attain level of competency for obtaining a Student Air Traffic Controller's or Air Traffic Controller's Licence.

(2) The training organization shall submit a Training and Procedures Manual containing the information as specified by the Director General for approval. The simulator training, in such organizations shall be undertaken only on the simulators approved by the Director-General.

(3) Approval of a training organization shall be valid for a period of two years, which is further renewable for a period of not exceeding two years on each occasion, subject to the terms and conditions as laid down by the Director-General in this regard.

(4) A fee of Rs. 100,000/- shall be payable for the grant of approval to a training organization and Rs. 50,000/- for renewal on each occasion.

(5) The approved training organization shall not impart any training which is not included in its scope and has been duly approved by the Director-General. All records of the organisation shall be maintained in a manner specified by the Director General and shall be produced on demand to the Director-General or any other officer so authorized by him.

(6) A training organization, approved by a duly competent authority of any contracting state, may also be approved for the purpose of imparting training to attain level of competency for obtaining a Student Air Traffic Controller's or Air Traffic Controller's Licence under these rules, provided that the Director General is satisfied about the competency, syllabus and other facilities of the organization.

110. Proof of competency—(1) Applicants for grant and renewal of any licence and ratings shall produce proof of having acquired the competency and having passed satisfactorily the tests and examinations specified in schedule III in respect of the licence or rating.

(2) A person, to whom a licence of a particular class has been issued by the competent authority in a Contracting State, may be exempted by the Director-General from all or any of the tests or examinations required for issue of a licence if his experience and competency are not less than the experience and competency laid down in schedule III in respect of the corresponding licence under these rules. If he is the holder of a current licence, he may be further exempted from medical examination for the period for which his licence is current:

(3) In case of a licence issued under any of the preceding provisions, only such ratings shall be entered in the licence as, in the opinion of the Director-General the applicant has sufficient and satisfactory experience and competency to acquire.

(4) The Director-General may, on examination of the syllabi, determine the relative equivalence of examinations for granting exemptions to applicants from passing the examinations required under schedule III.

(5) The Director-General may require any candidate or training organization to produce for examination all relevant training records, including the syllabi, certificates, mark-sheets, on-the-job test reports, assessments, etc., in respect of the candidate who has undergone a course of training, with such training establishment.

111. Tests, assessment and examination--(1) The Director-General may conduct examinations specified in schedule III, may fix examination centres within India, appoint invigilators and lay down the procedure for conducting the examinations.

(2) The Director-General may appoint examiners for carrying out examinations and Assessment required under schedule II and may also appoint a Board to conduct oral examinations and assessment when necessary. The examiner shall be selected on the basis of criteria specified for the purpose by the Director General. The examination and assessment reports shall be submitted to licensing authority in respect of any examination

and assessment conducted for issue/renew of a licence or endorsement of rating on a licence.

(3) The Director-General may determine the manner in which the assessment and proficiency checks shall be carried out.

(4) The Director-General may debar permanently or temporarily a person from any assessment or examination if, in his opinion, the person has adopted unfair means during the assessment or examination.

(5) The Director-General may declare any examination or assessment conducted by an authorized person or a Board null and void, if in the opinion of the Director-General, the examination or assessment has not been carried out to his satisfaction, and require the examination or assessment to be carried out again by another authorized person or a Board. The Director-General may also take such action against such authorized persons or Board as he may deem fit.

(6) Detailed syllabi for the examinations for the issue of licence and ratings shall be laid down by the Director-General.

112. Record of experience and logging of on-watch period - (1) Holder of a licence shall maintain a personal log book in the form prescribed by the Director-General and log the actual watch period during which air traffic services has been provided by him.

(2) All entries in log books shall be made in ink.

(3) Log Books shall be preserved for not less than 5 years after the date of the last entry therein.

(4) Every licence holder shall certify the accuracy of the entries in his log book with respect to the watch period at least at the end of each calendar month. At the end of every quarter in a year, log books shall be certified for correctness of entries therein by the in charge of the Air Traffic Services unit, or any other person authorised to do so by the Director-General.

(5) On the watch time during which a licence holder is under on the job training shall be entered in his log book as “on the job training” and the instructor shall also countersign the entries in the log book of the licence holder showing the nature of the training given.

(6) The instructor shall log as watch period during which he acts as an Instructor and the log entries shall indicate in the remarks column that the time was logged for instructional purpose.

113. Duty time limitations— Every holder of a licence or rating issued under this Part shall follow the duty time limitations as specified by the Director- General.

114. Aeronautical station operator— Every aeronautical station operator forming a part of Flight Information Service in a Flight Information Region, shall operate in accordance with the requirement specified by the Director-General.

115. Validation of foreign licences—(1) When a licence has been granted by a duly competent authority in any Contracting State and is for the time being in force, the Director-General may, subject to such conditions and limitations and for such periods as it shall think fit, confer on such licence the same validity for the purpose of provision of air traffic service in India as if it had been granted under these rules.

(2) The validity of the authorization shall not extend beyond the period of validity of the licence and the authorization ceases to be valid if the licence upon which it was issued is revoked or suspended.

(3) The licence validated under sub rule (1) shall be subject to the provision of rule 19 of these rules. “

(2) after Schedule II, the following schedule shall be inserted, namely :-

“ SCHEDULE III

AIR TRAFFIC SERVICES PERSONNEL

(See Part XII)

SECTION A

GENERAL

1. **Security Clearance:** The training organization at the time of enrolling a person for undergoing the air traffic control training shall obtain the security clearance from the concerned security agencies as per applicable rules. Proof of security clearance shall be submitted to the licensing authority at the time of application for issue of Licence.
2. **Written Examination:** (a) The applicant for a student Air Traffic Control Licence or Air Traffic Control Licence shall be required to pass an examination conducted by Director-General or any organization so authorized in this regard.

(b) The candidate shall, on demand by the examiner shall furnish proof of identity before a test or examination.

(c) An applicant who fails in any subject specified in this Schedule shall not be permitted to appear for re-examination within a period of six weeks from the date of examination or such lesser period as may be specified by the Director-General.

3. **Validity of Examination :** (a) The examination for the issue of Licence and rating should have been completed within a period of three years immediately preceding the date of application for issue of Licence.

(b) In case the examinations and /or tests expire on a holiday, they shall be deemed to be valid till the next working day.

4. **Medical Examination:** An applicant shall hold at least Class III Medical Assessment, issued by the competent Medical authority designated by the Director General for the purpose.

5. **On the Job Training Requirement:** A student Air Traffic Controller and Air Traffic Controller licence holder shall be required to undergo On the Job training under an authorized instructor for a period specified in the schedule for the particular rating.

Provided, a lesser on the job training period may be approved by licensing authority based on the traffic volume if the air traffic unit for which the rating is being sought, experience of the licence holder or where the licensing authority has been satisfied for granting such relaxation. In such cases the approval has to be obtained from the licensing authority prior to the commencement of the training.

6. **Assessment by the Examiner or Board:** A student Air Traffic Controller and Air Traffic Controller licence holder shall be required to be assessed (examined) by an examiner for the particular unit or by a board constituted for the purpose by the licensing authority.

7. **Applications for a licence or a rating** — following documents have to be submitted by the applicant for issue of licence;

(a) Applications for issue/validation of a licence and/or a rating shall be made to the Director-General of Civil Aviation, New Delhi and for renewal/revalidation of a licence and/or a rating shall be made either to the Director-General of civil Aviation, New Delhi on a prescribed form.

(b) Licence and Ratings specified in this Schedule shall be issued in the name as entered in the Class X Certificate of a recognized Board or its equivalent.

(c) Application for the issue of a licence and/or rating shall be accompanied by :-

- (i) an assessment of medical fitness issued by the Medical Authority;
 - (ii) Three unmounted photographs, of size 3 cms X 4 cms, of the applicant's head (uncovered) and shoulders in front view;
 - (iii) Class Ten Certificate of a recognized Board or its equivalent or the Birth Certificate issued by a Municipal Corporation/Committee as proof of age;
 - (iv) A bank draft towards the payment of the prescribed fee as per rule 99;
 - (v) Any other information as required by the Director-General.
- (d) The date of application shall be the date of receipt of application in the office of the Director-General.
- 8. Renewal of a licence :** A valid ATC licence shall be renewed subject to fulfilling following requirement;
- (a) the applicant is having the recency experience requirement.
 - (b) the applicant is holding a valid medical requirement.
 - (c) the applicant holds at least one valid rating endorsed on the licence.
- 9. Application for renewal of licence:** Following documents shall be submitted by the applicant for renewal of licence;
- (a) Applications for renewal of a licence and/or a rating shall be made to the Director-General of Civil Aviation, New Delhi or to any other authority designated by him in this behalf on a prescribed form.
 - (b) Application for the renewal of a licence and/or rating shall be accompanied by: -
 - (i) An assessment of medical fitness issued by the Medical Authority;
 - (ii) Statement/certificate of the recency requirement issued by the instructor or any authority on his behalf.
 - (iii) A bank draft towards the payment of the prescribed fee, payable in the manner prescribed by the Director-General.
 - (iv) Any other information as required by the Director-General.
 - (d) The date of application shall be the date of receipt of application in the office of the Director-General.
- 10. Privileges-** No person holding a current Air Traffic Control licence shall exercise the privileges of his licence and rating subject to the provision of rule 24 (3) & (4) and unless he meets competency, recency and language proficiency requirement and medical standards.

- 11. Recency Requirement:** A licence holder is considered to be recent in respect of rating and endorsement on his licence if he has worked for a period of minimum 10 hours in a period of 3 days or more in respect of a particular unit during preceding six months.
- 12. Temporary Authorization** - In case an ATCO is to be deployed at a different airport at a short notice for a short period of time and he/she already holds the basic rating for another airport, he/she may be authorized to exercise the privileges of his rating subject to an assessment by an incumbent ATCO and or any other condition as specified by the licensing authority. Such authorization shall be made applicable to Air traffic services units at small airport as considered appropriate by the licensing authority.
- 13. Unit Training Plan** - Every Air Traffic services unit shall prepare a Unit Training Plan, detailing the syllabus, on the job training, examination and procedures, to meet the requirement contained for rating(s) as prescribed in this schedule and submit to the licensing authority for approval.

SECTION B

STUDENT AIR TRAFFIC CONTROLLER LICENCE

An applicant for a Student Air Traffic Controller licence shall satisfy the following requirements:

- a) **Age** : Applicant shall not be less than 18 years of age on the date of application.
- b) **Education Qualification:** The applicant shall have passed degree in sciences or an equivalent examination with Physics and Mathematics, from a recognized University.
- c) **Medical Fitness:** The applicant shall produce on a prescribed proforma a certificate of class III physical fitness from an approved Medical Board after undergoing a medical examination during which he shall have established his medical fitness.
- d) **Language Proficiency:** An applicant shall be capable of speaking, reading and understanding the English Language. The applicant shall demonstrate compliance with holistic descriptors as defined in ICAO Operational Level 4 of the ICAO Language Proficiency Rating Scale as given in ICAO Annex I.
- e) **Knowledge:** The applicant shall have demonstrated a level of knowledge appropriate to the holder of a Student Air Traffic Controller Licence, in the following subjects:
 - i) Air Law: Rules and Regulations relevant to the Air Traffic Controller

- ii) Air Traffic Control Equipment: Principles use and limitations of equipment used in Air Traffic Control.
 - iii) General Knowledge : Principles of light, Principles of Operations and functioning of aircraft, power plants and systems, aircraft performances relevant to Air Traffic Control operations.
 - iv) Human Performance: Human Performance relevant to Air Traffic Control
 - v) Meteorology, Aeronautical Meteorology, use and appreciation of Meteorological Documentation and Information, origin and characteristic of weather phenomena affecting flight operations and safety, altimetry.
 - vi) Navigation: Principles of Air Navigation, Principle Limitation and Accuracy of Navigation Systems and Visual Aids.
 - vii) Operational Procedures: Air Traffic Control, Communication, Radio Telephony and Phraseology Procedure (Routine, Non-route and emergency), use of relevant aeronautical documentation, safety practices associated with flight.
- f) **Experience:** (i) The applicant shall have completed and passed an approved training course in the subject mentioned in Para e) including simulator training from an approved training organization and pass the relevant examination.
- (ii) have successfully completed an approved course of initial training in the rating or discipline relating to any of the rating from an approved organization.
- g) **Validity:** The Student Air Traffic Control Licence shall have a validity of 36 months from the date of issue.
- h) **Renewal of licence:** A Student Air Traffic Controller licence shall be renewed for further period of three years only, subject to the condition that;
- i. holding of a valid medical assessment;
 - ii. his training at an ATS system unit has commenced;
 - iii. In other cases the renewal would be in accordance with renewal requirements specified in rule 108 and having met the examination and tests indicated therein.
- i) **Privileges:** Subject to the validity of licence and compliance a Student Air Traffic Controller's Licence holder may operate a particular ATS system/unit, for the purpose of qualifying for inclusion of such rating / endorsement on his licence under the direct supervision of an authorized instructor rated on that particular ATS unit.

SECTION C

AIR TRAFFIC CONTROLLER LICENCE

An applicant for a Air Traffic Controller licence shall satisfy the following requirements:

- a) **Age** : Applicant shall not be less than 21 years of age on the date of application.
- b) **Education Qualification**: The applicant shall have passed degree in sciences or an equivalent examination with Physics and Mathematics, from a recognized University.
- c) **Medical Fitness**: The applicant shall produce on a prescribed proforma a certificate of class III physical fitness from an approved Medical Board after undergoing a medical examination during which he shall have established his medical fitness.
- d) **Language Proficiency**: An applicant shall be capable of speaking, reading and understanding the English Language. The applicant shall demonstrate compliance with holistic descriptors as defined in ICAO Operational Level 4 of the ICAO Language Proficiency Rating Scale as given in ICAO Annex I.
- e) **Knowledge**:
 - i. As applicable for Student ATCO licence defined in para e) of Section B.
 - ii. Successfully passed the examination as per the syllabus prescribed in the following sections for a particular unit at a place.
- f) **Experience**:
 - i. The applicant shall have undergone on the job training under an authorised instructor for a period prescribed in following sections respect of the unit desired to be endorsed on licence.
 - ii. The applicant shall have been assessed as successful by an examiner or board for the said unit.
- g) **Validity**: The Air Traffic Control Licence shall have a validity period of 24 months from the date of issue.
- h) **Renewal of licence**: Air Traffic Controller licence shall be renewed subject to holding of a valid medical assessment and recency requirement.
- i) **Privileges**: Subject to the validity of licence and compliance an Air Traffic Controller's Licence holder may operate a particular ATS system/unit which is included in his licence as rating, for the purpose of providing Air Traffic Controller Service.

SECTION D

AIR TRAFFIC CONTROLLER RATINGS- Aerodrome Control Rating

Requirements for Aerodrome control Rating:

a) Knowledge:

The applicant shall have demonstrated a level of knowledge by passing the examination at least in the following subjects for Aerodrome Control Tower at a particular place :

- i) Aerodrome lay out, physical characteristics and visual aids,
- ii) Airspace structure,
- iii) Applicable Rules, Procedures and Source of Information,
- iv) Air Navigation facilities,
- v) Air Traffic Control Equipment and its use,
- vi) Terrain and Prominent Land marks,
- vii) Characteristics of air traffic,
- viii) Weather phenomena,
- ix) Emergency, Search and Rescue Plans and
- x) Any other subject considered appropriate for the particular place.

b) Experience:

The applicant shall produce a certificate of his having undergone on the job training under the supervision of an instructor or authorised Air Traffic Controller licence holder for a period of not less than 90 Hours or one month.

On the job training specified above shall have been completed within the six month period immediately preceding date of application for issue of rating.

c) Skill:

The applicant has been assessed successful regarding his skill, judgment and performance to provide a safe, orderly and expeditious control service. The assessment has to be conducted after the completion of on the job training requirement and not later than two months in any case.

d) Privileges of the holder of Aerodrome Control Rating and the conditions to be observed in exercising such privileges:

i) To provide or to supervise the provision of Aerodrome Control Service for the aerodrome for which the licence holder is rated.

ii) Before exercising the privileges indicated in Para-(i) above, the licence holder shall be familiar with all pertinent and current information.

iii) Undergone refresher training or proficiency check requirement as

prescribed by the licensing authority in this regard.

e) **Validity of Rating:**

The rating shall become invalid when an air traffic controller has ceased to exercise the privileges of the rating for a period exceeding six months.

f) **Revalidation of Rating :**

A rating shall be revalidated when the controller's ability to exercise the privileges of the rating has been re-established by an examiner, or an ATCO authorised to do so, or by a board constituted by the licensing authority.

SECTION E

AIR TRAFFIC CONTROLLER RATINGS- Approach Control Procedural Rating

Requirements for Approach Control Procedural Rating:

a) **Knowledge:**

The applicant shall have demonstrated a level of knowledge by passing the examination at least in the following subjects for Approach Control unit at a particular place :

- i) Airspace structure,
- ii) Applicable Rules, Procedures and Source of Information
- iii) Air Navigation Facilities
- iv) Air Traffic Control Equipment and its use
- v) Terrain and Prominent Land Marks
- vi) Characteristics of Air Traffic and Traffic Flow
- vii) Weather phenomena,
- viii) Emergency and Search and Rescue Plans, and
- ix) Any other subject considered appropriate for the particular place.

b) **Experience:**

The applicant shall produce a certificate of his having undergone on the job training under the supervision of an instructor or authorised Air Traffic Controller licence holder for a period of not less than 180 Hours or three months, whichever is greater, at the unit for which the rating is sought.

On the job training specified above shall have been completed within the six month period immediately preceding date of application for issue of rating.

c) **Skill:**

The applicant shall have assessed successful regarding his skill, judgment and performance to provide a safe, orderly and expeditious control service. The assessment has to be conducted after the completion of on the job training requirement and not later than three months in any case.

d) **Privileges of the holder of Approach Control Procedural Rating and the conditions to be observed in exercising such privileges:**

- i) To provide or to supervise the provision of Approach Control Service within the airspace jurisdiction of the unit for which the licence holder is rated,
- ii) Before exercising the privileges indicated in Para-(i) above, the licence holder shall be familiar with all pertinent and current information.
- iii) Undergone refresher training or proficiency check requirement as prescribed by the licensing authority in this regard.

e) **Validity of Rating:**

The rating shall become invalid when an air traffic controller has ceased to exercise the privileges of the rating for a period exceeding six months.

f) **Revalidation of Rating :**

A rating shall be revalidated when the controller's ability to exercise the privileges of the rating has been re-established by an examiner or an ATCO authorized to do so or by a board constituted by the licensing authority.

SECTION F

AIR TRAFFIC CONTROLLER RATINGS – Approach Control Surveillance Rating

Requirements for Approach Control Surveillance Rating:

a) **Knowledge:**

The applicant shall have demonstrated a level of knowledge appropriate to the privileges granted in at least the following subjects in so far as they affect the area of responsibility at a particular place :

- i) Airspace structure
- ii) Applicable Rules, Procedures and Source of Information

- iii) Air Navigation Facilities
- iv) Air Traffic Control Equipment and its use
- v) Terrain and Prominent Land Marks
- vi) Characteristics of Air Traffic and Traffic Flow
- vii) Weather phenomena,
- viii) Emergency and Search and Rescue Plans
- ix) Principles, use and limitations of applicable ATS Surveillance Systems and Associated equipment,
- viii) Procedures for the provision of ATS Surveillance Service, as appropriate, including procedures to ensure appropriate terrain clearance, and
- ix) Any other subject considered appropriate for the particular place.

b) **Experience**

The applicant shall produce documentary proof of his

- i. Satisfactory completed an approved training course.
- ii. a certificate of his having undergone on the job training under the supervision of an instructor or authorised Air Traffic Controller licence holder for a period of not less than 180 Hours or three months, whichever is greater, at the unit for which the rating is sought. The training shall include;
 - a. not less than 200 precision approaches of which not more than 100 shall have been carried out on a radar simulator approved for that purpose by the Licensing Authority.
 - b. Not less than 50 of those precision approaches shall have been carried out at the unit and on the equipment for which the rating is sought;
- iii) if the privileges of the approach radar control rating include surveillance radar approach duties, on the job training shall included not less than 25 plan position indicator approaches on the surveillance equipment of the type in use at the unit for which the rating is sought.

The assessment has to be conducted after the completion of on the job training requirement and not later than three months in any case.

On the job training specified in Para (ii) and (iii) above shall have been completed within the six month period immediately preceding date of application for issue of rating.

c) **Skill:**

The applicant shall have assessed successful regarding his skill, judgment and performance to provide a safe, orderly and expeditious control service. The assessment has to be conducted after the completion of on the job training requirement and not later than three months in any case.

d) **Privileges of the holder of Approach Control Surveillance Rating and the conditions to be observed in exercising such privileges.**

i) To provide or to supervise the provision of Approach Control Service with the use of applicable ATS surveillance systems for the unit for which the licence holder is rated, within the airspace or portion thereof, under the jurisdiction of the unit providing Approach Control Service.

ii) Before exercising the privileges indicated in Para-(i) above, the licence holder shall be familiar with all pertinent and current information.

iii) Undergone refresher training or proficiency check requirement as prescribed by the licensing authority in this regard.

e) **Validity of Rating:**

The rating shall become invalid when an air traffic controller has ceased to exercise the privileges of the rating for a period exceeding six months.

f) **Revalidation of Rating :**

A rating shall be revalidated when the controller's ability to exercise the privileges of the rating has been re-established by an examiner or an ATCO authorised to do so or by a board constituted by the licensing authority

SECTION G

AIR TRAFFIC CONTROLLER RATINGS- Area Control Procedural Rating

Requirements for Area Control Procedural Rating:

a) **Knowledge:**

The applicant shall have demonstrated a level of knowledge by passing the examination at least in the following subjects for an Area Control Unit in so far as they affect the area of responsibility:

- i) Airspace structure,
- ii) Applicable Rules, Procedures and Source of Information,
- iii) Air Navigation Facilities,
- iv) Air Traffic Control Equipment and its use,

- v) Terrain and Prominent Land Marks,
- vi) Characteristics of Air Traffic and Traffic Flow,
- vii) Weather phenomena,
- x) Emergency and Search and Rescue Plans and
- xi) Any other subject considered appropriate for the particular place.

b) **Experience:**

The applicant shall have undergone on the job training under the supervision of an instructor or authorised Air Traffic Controller licence holder for a period of not less than 180 Hours or three months, whichever is greater, at the unit for which the rating is sought.

On the job training specified above shall have been completed within the six month period immediately preceding date of application for issue of rating.

c) **Skill:**

The applicant shall have been assessed successful regarding his skill, judgment and performance to provide a safe, orderly and expeditious control service. The assessment has to be conducted after the completion of on the job training requirement and not later than three months in any case.

d) **Privileges of the holder of Area Control Procedural Rating and the conditions to be observed in exercising such privileges:**

i) To provide and /or to supervise the provision of Area Control Service within the airspace jurisdiction of control area or portion thereof for which the licence holder is rated.

ii) Before exercising the privileges indicated in Para-(i) above, the licence holder shall be familiar with all pertinent and current information.

iii) Undergone refresher training or proficiency check requirement as prescribed by the licensing authority in this regard.

e) **Validity of Rating:**

The rating shall become invalid when an air traffic controller has ceased to exercise the privileges of the rating for a period exceeding six months.

f) **Revalidation of Rating :**

A rating shall be revalidated when the controller's ability to exercise the privileges of the rating has been re-established by an examiner or an ATCO authorised to do so or by a board constituted by the licensing authority

SECTION H

AIR TRAFFIC CONTROLLER RATINGS – Area Control surveillance rating

Requirements for Area Control Surveillance Rating:

a) **Knowledge:**

The applicant shall have demonstrated a level of knowledge appropriate to the privileges granted in at least the following subjects in so far as they affect the area of responsibility:

- i) Airspace structure
- ii) Applicable Rules, Procedures and Source of Information
- iii) Air Navigation Facilities
- iv) Air Traffic Control Equipment and its use
- v) Terrain and Prominent Land Marks
- vi) Characteristics of Air Traffic and Traffic Flow
- vii) Weather phenomena,
- viii) Emergency and Search and Rescue Plans
- ix) Principles, use and limitations of applicable ATS Surveillance Systems and Associated equipment,
- x) Procedures for the provision of ATS Surveillance Service, as appropriate, including procedures to ensure appropriate terrain clearance, and
- xi) Any other subject considered appropriate for the particular place.

b) **Experience**

The applicant shall produce documentary proof of his

- i. Satisfactory completed an approved training course.
- ii. a certificate of his having undergone on the job training under the supervision of an instructor or authorised Air Traffic Controller licence holder for a period of not less than 180 Hours or three months, whichever is greater, at the unit for which the rating is sought.

The assessment has to be conducted after the completion of on the job training requirement and not later than three months in any case.

On the job training specified in Para (ii) above shall have been completed within the six month period immediately preceding date of application for issue of rating.

c) **Skill:**

The applicant shall have assessed successful regarding his skill, judgment and performance to provide a safe, orderly and expeditious control service. The assessment has to be conducted after the completion of on the job training requirement and not later than three months in any case.

d) **Privileges of the holder of Area Control Surveillance Rating and the conditions to be observed in exercising such privileges.**

i) To provide or to supervise the provision of Area Control Service with the use of applicable ATS surveillance systems, within the control area or portion thereof, for which the licence holder is rated.

ii) Before exercising the privileges indicated in Para-(i) above, the licence holder shall be familiar with all pertinent and current information.

e) **Validity of Rating:**

The rating shall become invalid when an air traffic controller has ceased to exercise the privileges of the rating for a period exceeding six months

f) **Revalidation of Rating:**

A rating shall be revalidated when the controller's ability to exercise the privileges of the rating has been re-established by an examiner or an ATCO authorised to do so or by a board constituted by the licensing authority

SECTION I

AIR TRAFFIC CONTROLLER RATINGS – Approach Precision Radar Control Rating

Requirements for Approach Precision Radar Control Rating:

a) **Knowledge:**

The applicant shall have demonstrated a level of knowledge appropriate to the privileges granted in at least the following subjects in so far as they affect the area of responsibility:

- i) Airspace structure
- ii) Applicable Rules, Procedures and Source of Information
- iii) Air Navigation Facilities
- iv) Air Traffic Control Equipment and its use

- v) Terrain and Prominent Land Marks
- vi) Characteristics of Air Traffic and Traffic Flow
- vii) Weather phenomena and
- viii) Emergency and Search and Rescue Plans
- ix) Principles, use and limitations of applicable ATS Surveillance Systems and Associated equipment and
- x) Procedures for the provision of ATS Surveillance Service, as appropriate, including procedures to ensure appropriate terrain clearance

b) **Experience**

The applicant shall produce documentary proof of his

- i). Satisfactory completed an approved training course.
- ii) a certificate of his having undergone on the job training under the supervision of an instructor or authorised Air Traffic Controller licence holder for a period of not less than 180 Hours or three months, whichever is greater, at the unit for which the rating is sought. The training shall include;
 - a. not less than 200 precision approaches of which not more than 100 shall have been carried out on a radar simulator approved for that purpose by the Licensing Authority.
 - b. Not less than 50 of those precision approaches shall have been carried out at the unit and on the equipment for which the rating is sought;
- iii) On the job training shall also include not less than 25 plan position indicator approaches on the surveillance equipment of the type in use at the unit for which the rating is sought.

The assessment has to be conducted after the completion of on the job training requirement and not later than three months in any case.

On the job training specified in Para (ii) and (iii) above shall have been completed within the six month period immediately preceding date of application for issue of rating.

c) **Skill:**

The applicant shall have assessed successful regarding his skill, judgment and performance to provide a safe, orderly and expeditious control service. The assessment has to be conducted after the completion of on the job training requirement and not later than three months in any case.

- d) **Privileges of the holder of Approach precision radar Control Rating and the conditions to be observed in exercising such privileges.**
- i) To provide and/or to supervise the provision of Approach Precision radar Control Service at the aerodrome for which the licence holder is rated.
 - ii) Before exercising the privileges indicated in Para (i) above, the licence holder shall be familiar with all pertinent and current information.
- e) **Validity of Rating:**
- The rating shall become invalid when an air traffic controller has ceased to exercise the privileges of the rating for a period exceeding six months.
- f) **Revalidation of Rating:**
- A rating shall be revalidated when the controller's ability to exercise the privileges of the rating has been re-established by an examiner or an ATCO authorised to do so or by a board constituted by the licensing authority

SECTION J

FLIGHT INFORMATION SERVICE RATING

Requirements for Flight Information service Rating:

- a) **Knowledge:**
- The applicant shall have demonstrated a level of knowledge by passing the examination at least in the following subjects for an Flight Information Region in so far as they affect the area of responsibility:
- i) Airspace structure,
 - ii) Applicable Rules, Procedures and Source of Information,
 - iii) Air Navigation Facilities,
 - iv) Air Traffic Control Equipment and its use,
 - v) Terrain and Prominent Land Marks,
 - vi) Characteristics of Air Traffic and Traffic Flow,
 - vii) Weather phenomena,
 - xii) Emergency and Search and Rescue Plans and
 - xiii) Any other subject considered appropriate for the particular place.
- b) **Experience:**

The applicant shall have undergone on the job training under the supervision of an instructor or authorised Air Traffic Controller licence holder for a period of not less than 180 Hours or three months, whichever is greater, at the unit for which the rating is sought.

On the job training specified above shall have been completed within the six month period immediately preceding date of application for issue of rating.

c) **Skill:**

The applicant shall have been assessed successful regarding his skill, judgment and performance to provide a safe, orderly and expeditious control service. The assessment has to be conducted after the completion of on the job training requirement and not later than three months in any case.

d) **Privileges of the holder of Area Control Procedural Rating and the conditions to be observed in exercising such privileges:**

i) To provide and /or to supervise the provision of Flight Information Service within the airspace jurisdiction of Flight Information region or portion thereof for which the licence holder is rated.

ii) Before exercising the privileges indicated in Para-(i) above, the licence holder shall be familiar with all pertinent and current information.

iii) Undergone refresher training or proficiency check requirement as prescribed by the licensing authority in this regard.

e) **Validity of Rating:**

The rating shall become invalid when an air traffic controller has ceased to exercise the privileges of the rating for a period exceeding six months.

f) **Revalidation of Rating :**

A rating shall be revalidated when the controller's ability to exercise the privileges of the rating has been re-established by an examiner or an ATCO authorised to do so or by a board constituted by the licensing authority

SECTION K

ON THE JOB TRAINING INSTRUCTOR RATING

Requirements for on the job instructor rating:

a) **Knowledge & experience :**

i) Should hold a valid Air traffic controller licence.

ii) For OJTI (procedural) the applicant shall have all the current procedural ratings of the aerodrome, and shall have at least two years experience in exercising the privileges of those ratings.

iii) For OJTI (Radar) the applicant shall have all current Radar ratings and ratings of the aerodrome, and shall have at least five years total experience in exercising the privileges of those ratings.

iv) Has not found lacking in proficiency during the proficiency assessment in the preceding two years.

v) Shall have an incident free ATC performance record during the preceding three years.

vi) suitable temperament and above the board conduct.

b) **Skill :**

The applicant shall have been assessed successful shall have undergone the training course on the instructional procedures and techniques as prescribed by the licensing authority.

c) **Validity:**

On the job training instructor rating shall be valid for a period of two years subject to the holders periodic proficiency assessment prescribed by licensing authority.

d) **Privileges :**

i) To impart on the job training to an air traffic services licence holders for the inclusion of the rating on licence.

ii) Assess the personnel imparted on the job training during or on completion of specified period for his preparedness to appear in examination/assessment for issue, renewal or revalidation of rating.

iii) supervise the air traffic services personnel for regaining recency."

[F. No.]

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Joint Secretary to the Government of India

Note.- 1. The principal rules were published in the Official Gazette vide notification number V-26 dated the 23rd March, 1937 and last amended by G.S.R. 254(E) dated 16th April, 2009 published in Part II, Section 3, Sub-section(i) of the Gazette of India on 16th April, 2009.

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