



**GOVERNMENT OF INDIA
OFFICE OF THE DIRECTORATE GENERAL OF CIVIL AVIATION
OPPOSITE SAFDARJUNG AIRPORT, NEW DELHI**

CIVIL AVIATION REQUIREMENT

SECTION 11 – SAFE TRANSPORT OF DANGEROUS GOODS

SERIES ‘C’ PART I

ISSUE I,.....OCTOBER , 2026

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File No. DGCA-13008/153/2022-IR-DGCA

**SUBJECT: DANGEROUS GOODS TRAINING PROGRAMME AND APPROVED
TRAINING ORGNISATION**

1. INTRODUCTION

1.1 Dangerous goods are articles or substances which are capable of posing a hazard to health, safety, property or the environment. In order to ensure safe transport of dangerous goods by air, ICAO has laid down the standards in Annex 18 which provides that each Contracting State shall take the necessary measures to achieve compliance with the detailed provisions contained in the Technical Instructions issued for the Safe Transport of Dangerous Goods by Air. For giving effect to these provisions in India, the Aircraft (Carriage of Dangerous Goods) Rules, 2026, have been promulgated.

1.2 The successful application of the provisions pertaining to Safe Transport of Dangerous Goods by Air are dependent on the appreciation by all individuals concerned of the risks involved and on a detailed understanding of these provisions. This can only be achieved by properly planned and maintained initial and recurrent training programmes for all persons concerned in the transport of dangerous goods.

1.3 ICAO Technical Instructions provide that all operators regardless of whether or not they are approved to transport dangerous goods as cargo and the employer of personnel that perform functions aimed at ensuring that dangerous goods are transported in accordance with the Technical Instructions must establish and maintain a dangerous goods training programme. The training courses may be developed and delivered by or for the employer.

1.4 Rule 15 of the Aircraft (Carriage of Dangerous Goods) Rules, 2026 obligates the employers or agencies to ensure that their personnel engaged in the transportation of dangerous goods are competent to perform any function for which they are responsible prior to performing such function(s) through proper training and assessment commensurate with their responsibilities; and for consistent competency of their personnel, Rule 16 specifies that the Initial and recurrent dangerous goods training programme shall be established and maintained by such employers or agencies. Further, Rule 17 provides that the dangerous goods training shall be conducted by the approved training organization(s) as per its scope of approval.

1.5 This Civil Aviation Requirement lays down the requirements and procedures for establishment and maintenance of a Dangerous Goods Training Programme by the all operators, and the employer/agencies involved in the transport of dangerous goods by air; and approval/ renewal of the Training Organisation for conducting dangerous goods training course(s).

1.6 This CAR is issued, in supersession of the CAR Section 11 Series C Part I, Issue V dated 23rd January 2026, under Rule 20 read with Rules 16 and 17 of the Aircraft (Carriage of Dangerous Goods) Rules, 2026.

2. REQUIREMENTS FOR TRAINING

2.1 The personnel responsible to perform any function(s) related to safe transport of dangerous goods by air are required to have relevant competencies which can be achieved through proper training and assessment in dangerous goods regulations. The training and assessment for personnel may vary depending upon the requirements associated with the function of the person, however, such training and assessment shall include the following: -

(a) General awareness/familiarization training — which shall be aimed at providing awareness/familiarity with the general provisions of dangerous goods regulations;

b) Function-specific training — which shall be aimed at providing detailed training to ensure that the personnel are able to perform competently the function for which they are responsible; and

c) Safety training — which shall cover the recognition of the hazards presented by dangerous goods as well as their safe handling.

2.2 The operator or employer /agency shall ensure that no person is engaged in any manner in the transportation of dangerous goods unless he has undergone proper training and assessment with the requirements commensurate with his responsibilities.

2.3 Even if the operator does not carry dangerous goods as cargo, there is still a need for dangerous goods training for both operational and ground staff dealing with cargo, passengers and their baggage.

2.4 Training shall be provided or verified upon employment of personnel and the operator or employer, as the case may be, must ensure that personnel has undergone familiarisation training on Organizational policies and procedures related to dangerous goods, including reporting procedures of dangerous goods occurrences, incidents and accidents and are competent to perform the functions for which such personnel is responsible.

2.5 No person shall be assigned to new function unless he has undergone appropriate training and assessment to determine his competency in respect of such function.

2.6 Recurrent training and assessment shall take place within 24 months of the previous training and assessment to ensure that competency is maintained. However, if recurrent training and assessment is completed within the final three months of validity of previous training and assessment, the period of validity shall extend from the month on which the recurrent training and assessment was completed until 24 months from the expiry month of that previous training and assessment.

3. DANGEROUS GOODS TRAINING PROGRAMME

3.1 The Dangerous Goods Training Programme shall be established and maintained by the operator or employer/agencies as the case may be to ensure that the personnel performing functions related to transportation of dangerous goods are qualified and competent. The dangerous goods training programme, inter-alia, must contain identification of the necessary job competencies; design methodology, initial and recurrent training, assessments and instructor qualifications for achieving those competencies; recordkeeping; and evaluation of the effectiveness of training.

3.2 An operator or employer/agencies, as the case may be, depending upon its size, may have several training programmes customized to the individual responsibilities and assigned functions of its staff.

3.3 An application for grant of approval for establishment of a Dangerous Goods Training Programme shall be submitted to the Dangerous Goods Division, DGCA, along with the prescribed fee in the Rule 19 of the Aircraft (Carriage of Dangerous Goods) Rules, 2026.

3.4 The application for the Dangerous Goods Training Programme shall include, in addition to any other relevant information, the following details:-

S. No	Topic / Subjects Covered
1	Introduction
2	Name and address of the organization (operator / employer / agency) alongwith Legal status and Scope of the Organisation with details of total manpower.
3	Details of person authorised for establishment and maintenance of Training Programme.
4	Training Need Analysis.
5	Functions of the personnel to be trained.
6	Design Methodology and Assessment Methods.
7	Arrangements for delivery of Initial and recurrent training course(s).
8	Arrangements for qualified Instructors and Assessors.
9	System for maintaining continuous competency of the personnel.
10	Maintenance of Training Records.
11	System for evaluation of the effectiveness of training and its compliances with the regulations.

3.5 The Operator or employer/ agency engaged in transportation of dangerous goods by air shall have an arrangements of adequate number of Continuous Competency Assessor(s) for assessment of their employee(s) handling dangerous goods in any

manner and ensure that such assessor(s) meets the following criteria at all times:

- (a) Age: He shall not be more than 70 years.
- (b) Qualification: Successful completion of dangerous goods training in relevant function(s) which is valid for at least 06 (six) months from the date of designation.
- (c) Experience: A minimum 05 years of experience in the relevant job function or 03 years as a dangerous goods instructor.

3.6 The Dangerous Goods Training Programme shall be developed on the basis of the Training Needs Analysis and an appropriate training design methodology, taking into account the functions, responsibilities, tasks and sub-tasks assigned to the personnel and the knowledge, skills and competencies required to perform such functions.

3.7 Based on the satisfactory review of application and the supporting documents attached therewith, the Director General or any other officer authorized in this behalf may grant approval to the Dangerous Goods Training Programme. The validity of the approval shall be for a period not exceeding two year, where after it may be renewed subject to continued compliance with the laid down requirements/conditions.

3.8 Renewal of the Approval

3.8.1. A request for renewal of the approval of the Dangerous Goods Training Programme shall be made to DGCA at least 30 days prior to expiry of the approval, along with the prescribed fee in the Rule 19 of the Aircraft (Carriage of Dangerous Goods) Rules, 2026.

3.8.2 An internal audit report confirming that the operator or employer/agency maintains the required competencies of personnel through continuous competency assessment, and meets the requirements of this CAR shall also be submitted along with the request for approval.

3.8.3 On receipt of the request, after being satisfied that the training programme is being maintained in a proper and efficient manner and the requirements specified in this CAR as well as the conditions of approval are being complied with, the approval may be renewed for a period not exceeding two year.

3.9 The operator or employer/agency shall ensure that personnel are trained at a Training Organisation approved by the DGCA, having qualified instructors and assessors, and the necessary training aids and assessment tools to conduct training and assessment for the functions specified in the Dangerous Goods Training Programme.

3.10 Maintenance of Training records

The operator or employer/agency shall ensure that the following training records of the personnel shall be preserved for a minimum period of three years from the date of the completion of the most recent training:-

- a) the individual's name;
- b) the month of completion of the most recent training and assessment;

- c) the name and address of the organization providing the training and assessment; and
- d) evidence which shows that the personnel have been assessed as competent.

4. APPROVED TRAINING ORGANIZATION

4.1 An Approved Training Organisation (ATO) is a legal entity approved by DGCA to deliver dangerous goods training course(s) as per its scope of approval.

4.2 The objective of ATO shall be to develop, deliver and maintain effective competency based training and assessment of dangerous goods training course(s), commensurate with the responsibilities expected from the personnel performing any of the well-defined functions listed in **Appendix C** or the function(s) under an approved training programme, to ensure that they acquire and demonstrate the knowledge, skills and competencies necessary to safely perform their assigned functions in accordance with applicable regulatory requirements.

4.3 An application for the grant of approval for ATO shall be made to the Dangerous Goods Division, DGCA, along with the prescribed fee in the Rule 19 of the Aircraft (Carriage of Dangerous Goods) Rules, 2026.

4.4 The application shall be accompanied by the Dangerous Goods Training Manual and shall include, in addition to any other relevant information, the following details:-

- (i) Name and address of the training organisation ;
- (ii) Legal status and Scope of the Organisation;
- (iii) Details of training courses to be delivered;
- (iv) Details of Training facility {location(s) and number of classroom(s)};
- (v) Description of the training and assessment materials to be used to meet the training and assessment requirements;
- (vi) Names, qualifications and experience of the Chief Instructor/ Post Holder, Instructor(s) and skill assessor(s);
- (vii) Details of organization capability and resources including support staff for maintaining the standard of Training.

4.5 DANGEROUS GOODS TRAINING MANUAL (DGTM)

The DGTM shall contain at a minimum, the following details:

Chapter No	Topic / Subjects Covered
1	Introduction
2	Indian legal regime on carriage of dangerous goods by air

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3	Details of Chief Instructor/ Post Holder, Instructor(s) and skill assessor(s)
4	Functions of the personnel to be trained
5	Details of training facilities, station wise
6	Sections according to functions for which training(s) is proposed to be imparted and each section shall have chapters in the sequence and manner as mentioned below:
1	Course Objectives
2	Course Structure/ Methodology
3	Course Contents/ Tasks
4	Course Schedule
5	Lesson Plan
6	Exercise / Assignments
7	Practical Exercises
8	Model Examination Papers
9	Assessment plan, methods and tools
7	Specimen Certificate
8	Maintenance of Training & Assessment Records
9	System for supervision of training standards and compliance with applicable regulations

4.6 Chief Instructor/ Post holder, Instructors and Assessors

4.6.1 An ATO shall have:

- a) a Chief Instructor;
 - b) at least one qualified Instructor; and
 - c) adequate number of qualified skill assessor (s) as per Competency Assessment plan.
- OR
- a) a Post Holder, where a person meeting the qualification requirements for a Chief Instructor is not available;
 - b) at least two qualified Instructors; and
 - c) adequate number of qualified skill assessor (s) as per Competency Assessment plan.

4.6.2 The ATO shall obtain approval from DGCA before inducting the Chief Instructor/ the Post Holder, instructor and/or skill assessor, as the case may be, meeting the criteria specified under paragraph 5 of this CAR.

4.6.3 ATO shall ensure that the training course(s) is delivered by the approved instructor and the skills of the participants are assessed by the approved skill assessor.

4.6.4 A new instructor or skill assessor shall conduct at least two courses/ assessments under the supervision and guidance of an already approved instructor or skill assessor, as the case may be and reports thereof shall be submitted by the Chief Instructor/ Post Holder to DGCA within seven days from the date of completion of last course/

assessment.

4.6.5 A dangerous goods instructor shall conduct at least two training courses of the function(s) for which he is approved within a period of 24 months. In case of a longer gap, he shall be required to undergo a recurrent course in applicable function(s).

4.6.6 A dangerous goods assessors shall conduct at least 20 (Twenty) assessments in six months. In case of less assessments, he shall be required to undergo a recurrent course in applicable function(s).

4.6.7 All the Dangerous Goods Instructors and Assessors shall report to the Chief Instructor/post holder as the case may be.

4.7 DURATION OF TRAINING COURSES

4.7.1 The training course(s) may be developed for any or all of the well-defined functions listed in Appendix C, or such function(s) as may be designed in accordance with the responsibilities and tasks assigned to the personnel.

4.7.2 Depending upon the scope and complexity of the tasks/Sub tasks to be covered for achievement of requisite competencies, the duration of the training course of a function shall be so fixed as to achieve the objectives of the course. The minimum duration for the training courses for well-defined function(s) shall not be less than the duration specified in the Appendix C and for any other training course the minimum duration shall not be less than the sum of duration specified in the Appendix D for tasks/subtasks covered in such course.

Note: For syllabi of function specific topics, the training organization may refer matrix tool given in ICAO Technical Instructions and ICAO Guidance for Competency-based Approach to Dangerous Goods Training and Assessment (Doc 10147) as amended.

4.8 GRANT OF APPROVAL

4.8.1 Based on the satisfactory review of application and the DGTM, an inspection of training facility(s) shall be carried out by an officer, who is authorised to do inspection under Rule 11 of the Aircraft (Carriage of Dangerous Goods) Rules, 2026 to verify whether the Training Organization has the minimum basic infrastructure and classroom facilities as given in **Appendix A** and is equipped with adequate tools for practical exercises and competency assessment to provide the training in accordance with the requirements specified in this CAR. The minimum number of tools required for practical exercises and competency assessment for a particular task are given in **Appendix B**.

4.8.2 Upon being satisfied that the ATO has the capability and competence to conduct the training in a proper and efficient manner in accordance with the provisions of this CAR, the Director General or any other officer authorised in his behalf may grant approval to the Training Organization.

4.8.3 The validity of the approval shall be for a period not exceeding four years, where

after it may be renewed subject to continued compliance with the laid down requirements/conditions.

4.8.4 At any time, if the ATO is not in a position to comply with the requirements stipulated in this CAR or the conditions of approval, it shall intimate DGCA about it and suspend the training forthwith.

4.9 DUTIES OF CHIEF INSTRUCTOR/POST HOLDER

4.9.1 The Chief Instructor/Post holder shall be responsible for:

- (i) efficient conduct of training in accordance with the scope of approval;
- (ii) maintenance of standards of training; and
- (iii) observance of terms and conditions of approval.

4.9.2 In order to achieve the objectives of trainings, the Chief Instructor/Post holder shall ensure that:

- (i) delivery of training course(s) is commensurate with the desired or intended competencies under the well-defined function(s) or any other function as per the scope of approval.
- (ii) appropriately qualified instructors and assessors are available in adequate number;
- (iii) the training aids and assessment tools are available at all times during training and are maintained in a proper and serviceable condition;
- (iv) each participant is provided a copy of each of the latest edition of the ICAO Technical Instructions / IATA Dangerous Goods Regulations, and the study material containing all relevant updated provisions of the Bhartiya Vayuvan Adhinium 2024, the Aircraft Rules 1937, the Aircraft (Carriage of Dangerous Goods) Rules 2026, Emergency Response Guidance for Aircraft incident involving dangerous goods (Doc-9481), the Civil Aviation Requirements and any other directions issued by DGCA on the carriage of dangerous goods by air;
- (v) high standard of instruction, examination, and assessment is maintained; and
- (vi) the trainee's progression towards the achievement of competencies and continuous improvement by collecting information about the effectiveness of the training materials through utilisation of data from different sources.
- (vii) setting up the question papers, conducting the examination, ensuring proper checking/marking of answer sheets, making requisite arrangements for assessment and issuance of certificates to the successful participants.
- (viii) whenever any training course is planned, an intimation shall be sent to DGCA so as to reach it at least fifteen days prior to the commencement of the course.

4.9.3 The Chief Instructor/Post holder shall act as the sole point of contact for the DGCA for matters pertaining to ATO.

4.9.4 The Chief Instructor/Post holder shall be responsible for systematic maintenance of the training records as required by paragraph 4.5 of this CAR.

4.9.5 The Chief Instructor/Post holder shall also ensure that proper and adequate facilities are provided to the authorized officer(s) of DGCA for inspection of the ATO.

4.10 STANDARD OF TRAINING

4.10.1 The class room shall be fully equipped with modern equipment such as relevant training aids including audio and video devices, projector, training films, specimens, posters, labels as mentioned in the DGTM and the class room environment as demonstrated during inspection/audit, shall be maintained at all times.

4.10.2 Adequate resources and facilities shall be available for assessment and practical exercises.

4.10.3 Every participant shall be provided a copy of the current edition of ICAO Technical Instructions / IATA Dangerous Goods Regulations Manual, study material and other training material such as Emergency Response Guidance, handouts etc. for reference during the course.

4.10.4 Adequate number of films on dangerous goods including on incidents/accidents shall be procured and the relevant portions shall be shown to the participants during the course for clear understanding of the concepts.

4.10.5 In order to enable the instructor to give personal attention to all the participants, the ideal size of a dangerous goods course should be 10 to 15 participants. However, the maximum number of students shall not exceed 20 in any case.

4.10.6 In order to ensure the efficiency of the instructor, the instruction time shall not exceed 35 hours in any week and 7 hours in a day. These limitations shall not apply for the examination / assessment/ breaks.

4.10.7 The participants for recurrent training shall not be mixed with those for the initial training.

4.10.9 Objectives shall be clearly stated at the start of each course and sufficient exercises shall be included in the course to demonstrate achievement of these objectives.

4.10.10 Minimum two batches of each approved training course and at least 100 (one hundred) persons shall be trained by the ATO every year.

4.10.11 During the conduct of the training, the DGTM shall be followed in letter and spirit. However, any direction from the DGCA in regard to the conduct of the course shall be complied with.

4.11 EXAMINATION, ASSESSMENT AND CERTIFICATION

4.11.1 At the end of a training course, each participant shall be required to successfully pass a comprehensive written examination to test his knowledge and skill assessment to assess the level of competency for the function.

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4.12.2 A participant shall have 100% attendance before he is allowed to appear in the examination and assessment.

4.11.3 The examination shall be so designed as to enable the participant to demonstrate an understanding of all the topics covered. The difficulty level of the questions shall be such that the examination tests the ability of the participant to perform his job function(s) in compliance with the provisions of the Aircraft (Carriage of Dangerous Goods) Rule, 2026 and the Technical Instructions.

4.11.4 A participant shall be required to secure 80% marks to pass the examination.

4.11.5 A participant shall be assessed to demonstrate the competencies of the function(s).

4.11.6 Participants who successfully complete the course (Examination & Assessment) shall be issued a certificate to this effect.

4.11.7 Those who fail to secure 80% marks in the examination may be allowed to reappear in the test for the next course within a period of three months of the training.

4.11.8 Those who fail to demonstrate the competencies of the function may be allowed to reappear for assessment after adequate training.

4.11.9 A report on the conduct of the training course(s) indicating the marks obtained and level of competency achieved by each participant shall be submitted to the DGCA within seven days of the date of completion of assessment.

4.12. Renewal of Approval

4.12.1 A request for renewal of the approval of the Approved Training Organization shall be made to DGCA at least 30 days prior to expiry of the approval, along with the prescribed fee in the Rule 19 of the Aircraft (Carriage of Dangerous Goods) Rules, 2026.

4.12.2 An internal audit report confirming that the training organization maintains the required capability and standard, and meets the requirements of this CAR shall also be submitted along with the request for approval.

4.12.3 On receipt of the request, an audit of the training organization shall be carried out by an authorized officer of the DGCA. On being satisfied that the training is being conducted in a proper and efficient manner and the requirements specified in this CAR as well as the conditions of approval are being complied with, the approval may be renewed for a period not exceeding four years.

4.13. Extension of scope

4.13.1 Dangerous Goods training course(s) shall be conducted at an approved facility in accordance with its approved DGTm and delivered by DGCA's approved instructor(s)/skill assessor(s).

4.13.2 Dangerous Goods training course(s) shall not be delivered or conducted at a station by an ATO unless such course or the station, as the case may be, covered in its scope of approval.

4.13.3 An ATO may, at any time, submit an application, along with the prescribed fee in the Rule 19 of the Aircraft (Carriage of Dangerous Goods) Rules, 2026 , for extension of scope i.e. addition of a station, inclusion of a training course etc.

4.13.4 The application for addition of training station shall include details of the training facility, including its location(s) and number of classrooms, training courses proposed to be conducted, and training and assessment tools to be used to meet the applicable requirements, and the revised DGTM.

4.13.5 The application for addition of inclusion of a training course shall be accompanied by a revised DGTM incorporating details of the proposed course(s), in accordance with Chapter 6 of the DGTM.

4.13.6 Upon being satisfied that the prescribed requirements have been duly complied with, the DGCA may grant the extension of scope, as requested. Any extension of scope so granted shall remain valid only until the expiry date of the original approval.

4.14 Maintenance of Training Records by Approved Training Organization

4.14.1 The following records shall be preserved for a minimum period of three years from the date of the completion of the most recent training:-

- (i) a copy of the registration form duly filled in by the participants;
- (ii) a description or reference of the training materials used to meet the training requirements;
- (iii) task list and proficiency level that were assessed;
- (iv) a copy of the Question paper / Answer sheet and record of assessment of each participant;
- (v) a copy of the feedback form completed by the participants, and
- (vi) a copy of the certificates issued to the successful participants.

4.14.2 The following records shall be maintained for a minimum period of five years from the date of completion of the most recent training:-

- (i) name of the participant;
- (ii) name of instructor and assessor(s);
- (iii) the function in which training conducted, indicating whether initial or recurrent;
- (iv) the commencement and conclusion dates of the course, and
- (v) the result of the examination and assessment conducted at the end of the course.

5. QUALIFICATIONS OF DANGEROUS GOODS CHIEF INSTRUCTOR/POST HOLDER, INSTRUCTOR(S) AND ASSESSOR(S)

5.1 The Chief Instructor shall meet the following criteria:

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(a) Age: He shall not be more than 70 years.

(b) Experience: He shall have a minimum 15 years of experience in the field of civil aviation and have been Dangerous Goods Instructor for at least 5 years in the preceding 7 years.

5.2 Post holder shall meet the following criteria:

(a) He shall have at least fifteen years experience in civil aviation of which a minimum of five years shall be specifically related to handling of dangerous goods.

(b) Successful completion of Dangerous Goods Training in all function(s) or fifteen days basic Dangerous Goods Regulations course conducted by DGCA.

5.3 The Dangerous Goods Instructor shall meet the following criteria:

(a) Age: He shall not be more than 70 years.

(b) Qualification:

(i) At least a graduate degree preferably with Physics and Chemistry at 10+2 level.

(ii) (a) Successful completion of Dangerous Goods Training in all function(s) or fifteen days basic Dangerous Goods Regulations course conducted by DGCA, which shall be valid for at least six months from the date of application for approval; and

(b) Successful completion of CBTA instructor course from ICAO/IATA or Instructor training course conducted by DGCA.

OR

(ii) Dangerous Goods Instructor who has conducted at least two courses in the last 6 months.

(c) Experience:

A minimum of 5 years of experience in the transportation of dangerous goods by air during the preceding 7 years.

5.4 The Dangerous Goods Skill Assessor shall meet the following criteria:

(a) Age: He shall not be more than 70 years.

(b) Qualification: Successful completion of Dangerous Goods Training in all function(s) or fifteen days basic Dangerous Goods Regulations course conducted by DGCA, which shall be valid for at least six months from the date of application for approval.

OR

DG Instructor who has conducted at least two courses in the last 6 months.

(c) Experience: A minimum 8 years of experience of the relevant function or a minimum 03 years of experience as a DGR Instructor.

6. OVERSIGHT AND INSPECTION

6.1.1 An ATO shall be subject to oversight by the DGCA through inspections, audits, surveillance, and such other means as may be considered necessary to ensure continued compliance with the applicable requirements.

6.1.2 For the purpose of such oversight, DGCA may inspect or audit the facilities, documentation, training and assessment arrangements, training and assessment records, procedures and any other arrangements related to the conduct of Dangerous Goods training by the ATO.

6.1.3 The ATO, shall provide all necessary facilities, documents, records and information and extend necessary cooperation to the authorised officer(s) of DGCA during inspections, audits and surveillance.

7. Preparation of Manual

7.1 The Dangerous Goods Training Programme / DGTM shall be prepared in accordance with the following requirements:

- (i) Each section and chapter shall commence on a new page.
- (ii) The Manual shall contain an index or table of contents for ease of reference. The Manual shall include, as applicable, the Manual title, identification number, edition and revision number, effective date, section and chapter numbers, subject matter, and such other information as may be necessary for identification and control of the Manual.
- (iii) The text of the Manual shall be presented in a clear and legible format. The font shall be Arial, with a minimum font size of 12 points for the main text.
- (iv) The edition number and year of edition shall be indicated on the front or cover page of the Manual.
- (v) All abbreviations and acronyms used in the Manual shall be clearly defined at their first occurrence or included in a list of abbreviations and acronyms.

Note: For guidance on the preparation of the Manual, reference may be made to the ICAO Guidance for a Competency-based Approach to Dangerous Goods Training and Assessment (Doc 10147), as amended from time to time.

7.2 The terms to be used in the Manual shall be in line with those defined in the Technical Instructions and the Aircraft (Carriage of Dangerous Goods) Rules, 2026.

7.3 A system shall be developed to review and revise the Manual so as to incorporate the amendments, as and when issued, to the provisions of Annex 18 to the Chicago Convention, the Technical Instructions (Doc. 9284 AN/905), the Aircraft (Carriage of Dangerous Goods) Rules, 2026, and any other related document. A copy of the Manual so revised shall be submitted to the DGCA immediately for acceptance.

8. The application for approval of dangerous goods training programme or ATO shall be rejected if the deficiencies observed in the application are not rectified by the applicant for a period of three month.

9. Record Management

9.1 If computer-based records are used they must be backed up daily. The arrangements for safeguarding such records against loss, corruption and unauthorized change are to be noted in the Training Records section of the Training Programme or DGTM. A backup server in another location should be maintained.

9.2 Records shall be made available to an authorized officer of the DGCA for inspection in the form and manner as requested.

10. SUSPENSION OR WITHDRAWAL

The approval of a Dangerous Goods Training Programme or an ATO may be suspended or withdrawn by DGCA in case of non-compliance with the applicable rules, requirements of this CAR, ICAO Technical Instructions, or conditions of approval, or where deficiencies are identified in the conduct of training or assessment, or in the procedures and arrangements associated with the Dangerous Goods Training Programme or ATO, as applicable.

(Vir Vikram Yadav)
Director General of Civil Aviation

Appendix A

BASIC INFRASTRUCTURE AND CLASS ROOM FACILITIES – CAR Ref Para 4.9

S.No.	Training Standard
1	Chief Instructor workstation
2	DG Instructors workstation
3	System of DG Training Record keeping
4	DGR Classroom
5	Notice board having at conspicuous space with details of training course.
6	DGTM
7	Copy following containing updated Provisions (i) BVA, 2024 (ii) Aircraft (Carriage of Dangerous Goods) Rules, 2026 (ii) Other applicable Rules
8	Current Edition of Emergency Response Guidance (Red Book)-01 In case of Flight crew function-21 Per room
9	Laptop/Computer
10	Speakers (Audio)
11	Projector (Video) with screen etc.
12	DGR Posters
13	Segregation Chart
14	Emergency Response Chart
15	Handling & Hazard Labels Chart/Poster
16	White Board
17	DGR training videos
18	Current Edition of TI/IATA DGR Manual*-21
19	Function specific set of Workbooks/Handouts
20	Adequate space accommodating seating arrangement for 20 participants and the Instructor
21	Suitable corporate ambience; air-conditioned and well-lit premises
22	DG Demo Shelf (Sample of all 9 classes of DG) Class 1 Div 2.1 Div 2.2 Div 2.3 Class 3 Div 4.1 Div 4.2 Div 4.3 Div 5.1 Div 5.2 Div 6.1 Div 6.2 Class 7 Class 8 Class 9

** In case the ATO uses the IATA Dangerous Goods Regulations (IATA DGR) and a new biennial edition of the ICAO Technical Instructions has not been published, the ATO may, during the intervening year, use either the current edition or the preceding edition of the IATA DGR for training purposes. Where the preceding edition is used, the ATO shall ensure that:*

a) each instructor conducting the training is provided with a copy of the current edition of the IATA DGR;

b) the current edition of the IATA DGR is reviewed and any changes relevant to the training material are incorporated into the preceding edition. Such changes shall be recorded in the Record of Addendum in accordance with the applicable procedure specified in the IATA DGR;

c) each copy of the preceding edition used for training is clearly marked on its cover with the words "For Training Purposes Only – Not for Operational Use";

d) upon publication of a new edition of the ICAO Technical Instructions, each instructor and student is provided with the current edition of the IATA DGR;

e) the DGCA is informed by 31 January of the year in which this arrangement is adopted, along with the relevant details regarding its implementation; and

f) a documented procedure is maintained by the ATO for the implementation, control and monitoring of the use of the preceding edition of the IATA DGR for training purposes.

Appendix B

The list of tools for Practical Exercises and Competency Assessment in Adequate Quantity– CAR Ref Para 4.9

S.No.	Training Standard	Task List as indicated in Appendix D
1	Following Items/equipment (Minimum 02 of each per classroom)	
	Inner Packaging -Glass Receptacles -Metal Receptacles -Plastic Receptacles -Vial for blood	2, 3
	Outer Packaging -Drums (Removable/Non-Removable) -Jerricans (Removable/Non-Removable) -Plywood Box -Fibreboard Box -Wooden Box -Textile Bags -Woven Plastic Bags	2, 3,5,7
	Gas Cylinder/ Gas Cartridges	2, 3,4,5,6, 7
	Fire Extinguisher	2, 3,4,5, 6,7
	Aerosols	2, 3,5,6,7
	Thermocol Box /Infectious Substance Package Div 6.2	2, 3,5,7
2	Adequate quantity of following items	
	Radioactive Material Box	2, 3,5,7
	COMAT Packaging/ Aircraft Wheel With protection cover/Aircraft Battery Box	2, 3,5,7
	Wheelchair with battery	3,4, 5,6, 7
	ULD	3,5,7
	Straps to tie down	3,5,7
	Spill Kit	3,5,7
	Overpack	2,3,5,7
	Spreaders/ Absorbent/ Vermiculite	2,3,5,7
	Shrink Wrap/ Bubble Wrap	2,3,5,7
	Items as mentioned in dangerous goods description in Para 6.1(Provisions to aid recognition of undeclared dangerous goods) of Part 7 of ICAO TI	4
3	Adequate sets of following for practice:-	
	MSDS	1, 3, 4
	DGD	1, 3, 4
	AWB	3, 4, 5, 7
	IDG	3, 4, 5, 7
	CSD Annexure II	3, 4, 5, 7

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	Cargo Manifest	3, 4, 5, 7
	NOTOC	3, 5, 7
	Checklist- Dry Ice/Non-Radioactive/Radioactive	3, 4, 5, 7
	Load & Trim Sheet	3, 4, 5, 7
	Special Load Notice	3, 4, 5, 6, 7
	Operator Approval Form for practice	4, 5, 6, 7
	Handling Labels	2, 3, 4
	Hazard Labels	2, 3, 4
	Marks	2, 3, 4
	ULD Tag	3, 4, 5, 7
	Baggage Specific Tags(Dry Ice/Weapon)	4, 5, 6, 7
	Dangerous Goods Occurrence reporting Forms	8
4	All items as mentioned in Table 8.1 of ICAO technical Instructions/IATA 2.3 A-01 set minimum per class room	6, 7
Note: The items which are not practically possible to keep in class room, 3D videos explaining the characteristics and properties of the item for its proper identification may be developed for demonstration to the participants.		

Appendix C

Minimum durations for tasks/subtasks, excluding examinations, assessments, and breaks:

(i) Mandatory topics for all functions:

DANGEROUS GOODS KNOWLEDGE	Minimum Duration for Initial Training	Minimum Duration for Recurrent Training
Scope and Applicability , regulatory framework for safe transportation of dangerous goods by air and Indian Legal Regime	06:00	03:00
Limitation of dangerous goods on aircraft		
Definitions		
Classification – General		
importance of packaging		
Importance of hazard communication(Marking& Labelling)		
Emergency response procedures		

(ii) The minimum duration of the training course(s), including mandatory topics, shall be as specified below and shall include at least 25% practical exercises. The duration specified shall exclude examinations, assessments, and breaks.

S.No	Functions/ Tasks	Sub tasks	Minimum Duration for Initial Training	Minimum Duration for Recurrent Training
1	PERSONNEL RESPONSIBLE FOR PREPARATION OF DANGEROUS GOODS CONSIGNMENTS		42:00	21:00
	Classifying dangerous goods	Evaluate substance or article against classification criteria	04:30	02:15
		Determine dangerous goods description	04:30	02:15
		Review special provisions	01:30	00:45
	Preparing dangerous goods shipment	Assess packing options including quantity limitations	04:30	02:15
		Apply packing requirements	04:30	02:15
		Apply marks and labels	04:30	02:15
		Assess use of overpack	01:30	00:45
		Prepare documentation	09:00	04:30
	Collecting safety data	Report dangerous goods accidents Report dangerous goods incidents	01:30	00:45

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S.No	Functions/ Tasks	Sub tasks	Minimum Duration for Initial Training	Minimum Duration for Recurrent Training
		Report undeclared/misdeclared dangerous goods Report dangerous goods occurrences		
2	PERSONNEL RESPONSIBLE FOR PROCESSING OR ACCEPTING DANGEROUS GOODS CONSIGNMENTS		38:00	19:00
	Processing / accepting cargo Dangerous Goods	Review documentation	09:00	04:30
		Review package(s)	07:30	03:45
		Complete acceptance procedures	14:00	07:00
	Collecting safety data	Report dangerous goods accidents Report dangerous goods incidents Report undeclared/misdeclared dangerous goods Report dangerous goods occurrences	01:30	00:45
3	PERSONS RESPONSIBLE FOR PROCESSING OR ACCEPTING GOODS PRESENTED AS GENERAL CARGO		13:30	06:45
	Process/accept cargo other than dangerous goods	Check documentation for indications of undeclared dangerous goods	03:00	01:30
		Check packages for indications of undeclared dangerous goods	03:00	01:30
	Collecting safety data	Report dangerous goods accidents Report dangerous goods incidents Report undeclared/misdeclared dangerous goods Report dangerous goods occurrences	01:30	00:45
4	PERSONS RESPONSIBLE FOR HANDLING CARGO IN A WAREHOUSE, LOADING AND UNLOADING UNIT LOAD DEVICES AND LOADING AND UNLOADING AIRCRAFT CARGO COMPARTMENTS		21:00	10:30
	Managing cargo pre-loading	Prepare load for aircraft	04:30	02:15
	Transporting cargo/baggage	Load aircraft	06:00	03:00
		Unload aircraft	03:00	01:30
	Collecting safety data	Report dangerous goods accidents Report dangerous goods incidents	01:30	00:45

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S.No	Functions/ Tasks	Sub tasks	Minimum Duration for Initial Training	Minimum Duration for Recurrent Training
		Report undeclared/misdeclared dangerous goods Report dangerous goods occurrences		
5	PERSONS RESPONSIBLE FOR ACCEPTING PASSENGER AND CREW BAGGAGE, MANAGING AIRCRAFT BOARDING AREAS AND OTHER TASKS INVOLVING DIRECT PASSENGER CONTACT AT AN AIRPORT		13:30	06:45
	Accepting passenger and crew baggage	Process baggage	03:00	01:30
		Accept baggage	03:00	01:30
	Collecting safety data	Report dangerous goods accidents Report dangerous goods incidents Report undeclared/misdeclared dangerous goods Report dangerous goods occurrences	01:30	00:45
6	PERSONNEL RESPONSIBLE FOR THE PLANNING OF AIRCRAFT LOADING		13:30	06:45
	Managing cargo pre-loading	Plan loading	03:00	01:30
		Issue NOTOC	03:00	01:30
	Collecting safety data	Report dangerous goods accidents Report dangerous goods incidents Report undeclared/misdeclared dangerous goods Report dangerous goods occurrences	01:30	00:45
7	FLIGHT OPERATIONS OFFICERS AND FLIGHT DISPATCHERS		10:30	05:15
	Transporting cargo/baggage	Manage dangerous goods pre- and during flight	03:00	01:30
	Collecting safety data	Report dangerous goods accidents Report dangerous goods incidents Report undeclared/misdeclared dangerous goods Report dangerous goods occurrences	01:30	00:45
8	Flight Crew		12:00	06:00
	Transporting cargo/baggage	Manage dangerous goods pre- and during flight	04:30	02:15

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S.No	Functions/ Tasks	Sub tasks	Minimum Duration for Initial Training	Minimum Duration for Recurrent Training
	Collecting safety data	Report dangerous goods accidents Report dangerous goods incidents Report undeclared/misdeclared dangerous goods Report dangerous goods occurrences	01:30	00:45
9	Cabin Crew		14:00	07:00
	Accepting passenger and crew baggage	Accept baggage	03:00	01:30
	Transporting cargo/baggage	Manage dangerous goods pre- and during flight	03:30	01:45
	Collecting safety data	Report dangerous goods accidents Report dangerous goods incidents Report undeclared/misdeclared dangerous goods Report dangerous goods occurrences	01:30	00:45
10	PERSONNEL RESPONSIBLE FOR THE SCREENING OF PASSENGERS AND CREW AND THEIR BAGGAGE, CARGO AND MAIL		13:30	06:45
	Process/accept cargo	Check packages for indications of undeclared dangerous goods	03:00	01:30
	Accepting passenger and crew baggage	Identify forbidden dangerous goods	03:00	01:30
	Collecting safety data	Report dangerous goods accidents Report dangerous goods incidents Report undeclared/misdeclared dangerous goods Report dangerous goods occurrences	01:30	00:45

Appendix D

The Minimum duration for tasks / sub-tasks of the training course(s), shall include a minimum of 25% practical exercises, excluding the time for examinations, assessments, and breaks, is given below:

S.No	Tasks/Sub tasks		Minimum Duration for Initial Training	Minimum Duration for Recurrent Training
1	Classifying dangerous goods	Evaluate substance or article against classification criteria	04:30	02:15
		Determine dangerous goods description	04:30	02:15
		Review special provisions	01:30	00:45
2	Preparing dangerous goods shipment	Assess packing options including quantity limitations	04:30	02:15
		Apply packing requirements	04:30	02:15
		Apply marks and labels	04:30	02:15
		Assess use of overpack	01:30	00:45
		Prepare documentation	09:00	04:30
3	Processing / accepting cargo Dangerous Goods	Review documentation	09:00	04:30
		Review package(s)	07:30	03:45
		Complete acceptance procedures	14:00	07:00
4	Process/ accept cargo	Process/accept cargo other than dangerous goods	06:00	03:00
5	Managing cargo pre-loading	Plan loading	03:00	01:30
		Prepare load for aircraft	04:30	04:30
		Issue NOTOC	03:00	03:00
6	Accepting passenger and crew baggage	Process baggage	03:00	01:30
		Accept baggage	03:00	01:30
7	Transporting cargo/ baggage	Load aircraft	06:00	03:00
		Manage dangerous goods pre-and during flight	04:30	02:15
		Unload aircraft	03:00	01:30
8	Collecting safety data	Report dangerous goods accidents	01:30	00:45
		Report dangerous goods incidents		
		Report undeclared/misdeclared dangerous goods		
		Report dangerous goods occurrences		