



सत्यमेव जयते

GOVERNMENT OF INDIA

OFFICE OF THE DIRECTOR GENERAL OF CIVIL AVIATION
TECHNICAL CENTRE, OPPOSITE SAFDARJUNG AIRPORT, NEW DELHI

**CIVIL AVIATION REQUIREMENT
SECTION 11 – SAFE TRANSPORT OF
DANGEROUS GOODS
SERIES 'E' PART I
ISSUE I, __ JULY 2017**

EFFECTIVE: FORTHWITH

F.No.

Subject: Grant of Approval to Carry Dangerous Goods by Air.

1. INTRODUCTION

1.1 Dangerous goods are articles or substances which are capable of posing a risk 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 and also issued Technical Instructions for the Safe Transport of Dangerous Goods by Air. For giving effect to these provisions in India, the Aircraft (Carriage of Dangerous Goods) Rules, 2003, have been framed.

1.2 Rule 3 of the Aircraft (Carriage of Dangerous Goods) Rules, 2003, provides that

“(1) no operator shall engage in the carriage of dangerous goods unless it has been certified by the aeronautical authority of the State of the operator to carry the dangerous goods”.

(2) No operator shall carry and no person shall cause or permit to be carried in any aircraft to, from, within or over India or deliver or cause to be delivered

for loading on such aircraft any dangerous goods, except in accordance with and subject to the requirements specified in the Technical Instructions”.

1.4 This Civil Aviation Requirement (CAR) lays down the requirements and procedure for grant of approval to an operator to carry dangerous goods by air.

1.5 This CAR is issued under rule 133A of the Aircraft Rules, 1937.

2. APPLICABILITY

2.1 This CAR is applicable to all air operator seeking approval to carry dangerous goods by air to/from/within India.

3. APPLICATION FOR APPROVAL

3.1 The applicant shall apply as per proforma given at Appendix ‘A’ alongwith a draft Dangerous Goods manual and Appendix ‘B’ (duly completed) at least two months in advance to enable the acceptance of Dangerous Goods manual by DGCA and inspection before the approval issued by DGCA.

3.2 The application alongwith draft Dangerous Goods Manual shall be sent to:

Director General of Civil Aviation
Opposite Safdarjung Airport, Aurbindo Marg
New Delhi-110003
Kind Attn: Director (Regulation & Information)

3.3 The operator shall appoint a designated person responsible for ensuring compliance of regulatory requirements and procedures as contained in the Company’s Dangerous Goods manual. He shall be responsible for ensuring that the manual is kept updated and changes there to are made with acceptance of DGCA.

3.4 Dangerous Good Manual

Dangerous Goods Manual shall include procedures and guidelines for carriage of Dangerous Goods by air (as per the ICAO Annex 18 and ICAO Technical Instructions) broadly covering the following:

- (i) Dangerous Goods Carriage Policy and Procedures
- (ii) Operator responsibilities
- (iii) Training Programme
- (iv) Provisions for Passengers and crew
- (v) Emergency response
- (vi) Provisions for Information
- (vii) Accidents/incident –reporting
- (viii) Retention of records

Note I: The Dangerous Goods Manual should address all items as given in Appendix 'B' (as applicable) to this CAR.

Note II: Provisions of CAR Section 8 Series 'O' Part II should be complied within the Dangerous Goods Manual.

4. Based on review of application, acceptance of Dangerous Goods manual and satisfactory inspection(s) of facilities, DGCA may grant approval to the applicant to carry Dangerous Goods by air.

5. DGCA may withdraw the approval, if at any point of time, the DGCA finds that the operator did not adhere to the requirements and procedures in respect of Carriage of Dangerous Goods by air.

(B. S. Bhullar)
Director General of Civil Aviation

**APPLICATION FORMAT FOR SEEKING APPROVAL
FOR CARRIAGE OF DANGEROUS GOODS**

1. Details of Applicant
 - 1.1 Name of Applicant/ Organization
 - 1.2 Address
 - 1.3 Nationality
 - 1.4 Mobile No
 - 1.5 Email address
2. Name of Nodal Person & Contact details
3. Draft Dangerous Goods Manual
4. Any other relevant Information
5. I hereby certify that the foregoing information is correct in every respect and no relevant information has been withheld.

SIGNATURE OF APPLICANT

DATE..... NAME.....
(in capital letters)
POSITION HELD.....
(with official seal)

**Checklist For The Grant of Approval For
The Carriage of Dangerous Goods By Air**

Name of the Operator	
Station/Location	
Type of Operator	<input type="radio"/> Passenger <input type="radio"/> Cargo <input type="radio"/> Passenger and Cargo

SR. NO	ISSUE	ICAO TI REF	IATA DGR REF	To be Provided/Filled by the applicant	For Official Use Only			
				DGR Operational Manual Reference	YES	NO	N/A	Sat/Un-Sat
1	Established procedures for handling of dangerous goods and has assigned a designated a person Check: Operators relevant manuals Verify use and adequacy of the procedures and checklists	1.2 7.1						
2	The Dangerous Goods Regulations Training of the Operator has been approved by DGCA Check: Validity of the approval	1.4.1 Aircraft Rules	1.5.1					
3	If the operator avails the services of a third party for providing Dangerous Goods Regulations Training such training programme is approved by DGCA. Check: Validity of the grant of approval to third party for conducting Dangerous Goods Training	1.4.1 Aircraft Rules	1.5.1					
4	System of maintaining applicable Standard Operating Procedures and current Manuals based on the current Edition of ICAO TI/IATA DGR Manual related to carriage of dangerous goods in the areas where dangerous goods are handled Check: Current edition of Technical Instructions or IATA DGR or Equivalent DGOM containing all ICAO TI/IATA references Operator's Manuals on Cargo Operations/Flight Operations/Cabin Crew SEP/ Passenger Services	7.4.2 1.1.2						

	Whether Cargo and Other Operations Staff have been provided with the information							
5	If the Operator is availing the services of handling agents, the Operator has a system of providing all information related to carriage of dangerous goods to the handling agents Check : Manuals and other Instructions have been provided	7.4.2						
6	Established a system of maintaining training records that meets the requirements of the Regulations Check: Training Manual for requirements regarding maintenance of training records	1.4.1 Table 1.4 1.4.2.4 7.4.10	1.5.5					
7	Established appropriate Emergency Management System required to meet any emergencies arising during ground operations (spill or leak of dangerous goods etc.,) Check: Relevant documentation e.g. emergency drill chart etc. Check physical availability of arrangements	7.4.8	9.5.1.2					
8	Ground Emergency Drill Information is adequately displayed in all areas where dangerous goods are handled Check : Onsite review of Physical availability of Drill information	7.4.8	9.5.1.2					
9	System for appropriate spill cleaning as a part of ground operations management Check: Documentation		9.4.1					
10	System of providing Emergency Response Information on board the aircraft Check	7.4.9	9.5.1.3					

	<ul style="list-style-type: none"> ➤ The availability of information 							
11	<p>Established system of reporting incidents/accidents related to carriage of dangerous goods including undeclared/ mis-declared dangerous goods</p> <p>Check:</p> <ul style="list-style-type: none"> ➤ Documentation that details the procedures ➤ Verify the arrangements if the operator engages the services of handling agents 	7.4.4 7.4.5	9.6.1 9.6.2					
12	<p>System of immediately notifying DGCA about the aircraft incident/accident arising due to dangerous goods on-board an aircraft</p>	7.4.6	9.6.4					
13	<p>System of maintaining records related to Carriage of Dangerous Goods for the minimum period of three months</p> <p>Check :</p> <ul style="list-style-type: none"> ➤ Onsite review 	7.4.11	9.8					
14	<p>An appropriate disposal system for unclaimed and or undelivered dangerous goods</p> <p>Check :</p> <ul style="list-style-type: none"> ➤ Documentation that details procedures ➤ Documentation that confirms the compliance 	7.3.1	9.3.6.3					
15	<p>The Operator ensure to comply with the regulations for transportation of Company Material (COMAT) that contain.</p> <p>Check:</p> <ul style="list-style-type: none"> ➤ Documentation that confirms compliance 		1.4 (Notes)					
16	<p>The Operator has deployed appropriately trained personnel for acceptance of dangerous goods.</p> <p>Check: Compare the training record to confirm that appropriately</p>	1.4.1 Table 1-4	1.5.A 9.1.1.1					

	trained personnel are available at all times, when dangerous goods are handled.							
17	In the cargo acceptance area, appropriate placards providing information about dangerous goods are made available. Check: ➤ Physical availability ➤ Pictorial information in addition to written information	7.4.8	9.5.3					
19	Established a Dangerous Goods acceptance Checklist, confirm that the checklist covers all areas of acceptance procedures as is otherwise detailed in IATA Checklist Check : ➤ Provide a specimen	7.1.3	9.1.3					
20	The dangerous goods acceptance personnel have easy and ready access to current edition of the reference materials for handling of dangerous goods. Check: ➤ Technical Instructions and or IATA DGR or Equivalent Document ➤ Operator's Cargo Operations Manual/ DG Manual		1.2.3	Sec-11 Series-E Part-I				
21	The Operator has a system of maintaining records of shipments that have been rejected on the basis of dangerous goods acceptance checklist. Check: ➤ Documentation of procedures Physical evidences to conform compliance			Sec-11 Series-E Part-I				
22	A system of ensuring that the dangerous goods packages that were opened by customs and or other regulatory/law enforcement authorities are repacked by appropriately trained and qualified personnel Check:		1.2.10					

	<ul style="list-style-type: none"> ➤ Documentation for Procedures Physical arrangements 							
23	<p>System for storage of dangerous goods in the warehouse.</p> <p>Check:</p> <ul style="list-style-type: none"> ➤ Placarded to show that the place is designated for storage of dangerous goods; ➤ Easy accessibility to fire tenders; 	7.2.1	9.2 9.3.2					
24	<p>Availability of required firefighting equipment's and Compatibility Chart is prominently displayed to facilitate proper storage</p> <ul style="list-style-type: none"> • "NO SMOKING" signage is prominently displayed; • First-Aid box is available in the warehouse; • First-Aid and Emergency Information is prominently displayed. 	7-2	9.3.A					
25	<p>System for storage of radioactive material(if applicable)</p> <p>Check:</p> <ul style="list-style-type: none"> ➤ That it is not located in highly populated operational areas; ➤ Appropriate placards that indicate that the place is designated for storage of radioactive material and confirm that the placards contain Trefoil Symbol 	7.2.9	10.9.2.1 10.9.2.1.2 10.9.2.1.3					
26	<p>A system of carrying out inspection of packages containing dangerous goods before preparing the goods for dispatch arrange for removal such packages.</p> <p>Check:</p> <ul style="list-style-type: none"> ➤ Documentation of the procedures 	7.2.4 7.2.5	9.4					
27	<p>A system of providing special Unit Load Devices (ULD) identification tags for ULDs that containing dangerous goods(if applicable)</p> <p>Check :</p> <ul style="list-style-type: none"> ➤ Documentation of the procedures 	7.2.4 7.2.8	9.3.8					

	<ul style="list-style-type: none"> ➤ Physical availability of ULD tags that meets the requirements ➤ Observe whether the Staff responsible could prepare the tag correctly 							
28	<p>A system of replacing the missing hazard and handling labels before the goods are dispatched.</p> <p>Check:</p> <ul style="list-style-type: none"> ➤ Documentation of the procedures ➤ Physical availability of hazard and handling labels that meets the requirements 	7.2.4 7.2.7	9.3.7					
29	<p>A system of inspecting the packages, ULDs containing dangerous goods prior to loading on to an aircraft and to ensure that such packages are not loaded onto an aircraft</p> <p>Check</p> <ul style="list-style-type: none"> ➤ Documentation of procedures 	7.3.1 7.3.2	9.3.6					
30	<p>A system of inspecting the loading, segregation and inspection for damage or leakage of packages containing dangerous goods.</p> <p>Check:</p> <ul style="list-style-type: none"> ➤ Documentation of procedures 	7.3.1 2.2.1 Table 7-2	9.3.2 Table 9.3.A 9.4.1					
31	<p>A system to prevent acceptance of dangerous goods for transport by air unless they are accompanied by a completed dangerous goods documents and inspection of marking, labeling, package, overpack or freight container in accordance with the acceptance procedure contained in Technical Instructions/IATA DGR manual</p> <p>Check:</p> <ul style="list-style-type: none"> ➤ Documentation of procedure 	5.3.1 6.2.1	7.1					
32	<p>Where leakage or spill is found in the cargo compartments, the Operator has a system of ensuring that the subject aircraft is not deployed unless the spill and clean</p>	7.3.2	9.4.1					

	operation has been carried out Check: ➤ Documentation of procedures							
33	System of carriage of maximum quantities of carbon-dioxide, solid that can be loaded in a cargo compartment Check: ➤ Documentation of the permitted quantities ➤ Quantity limits for different types/versions of aircraft operated by the operator ➤ Quantity limits permitted when dry ice is used as refrigerant material for food items that are carried in the service galley area in the main cabin	7.4.2 7.4.3						
34	Maximum Transport Index of radioactive material that can be carried in an aircraft(if applicable) Check: ➤ Documentation of the permitted quantities	7.4.2						
35	Operator has established maximum quantities of dangerous goods (other than for radioactive material and carbon-dioxide, solid) that can be loaded in a cargo compartment/ aircraft, such information is easily accessible to the personnel who are involved in loading of such goods.(if applicable) Check: ➤ Documentation of procedures	7.2.9	9.5.2					
36	A system to secure packages containing dangerous goods Check: ➤ Documentation of procedures ➤ Operator holds required securing material that are easily available for the personnel responsible for securing of goods	7.2.4.2	9.3.5					

	<ul style="list-style-type: none"> ➤ Verify by observation (if possible) correct loading of dangerous goods 							
37	In case of 'COMBI' aircraft and where the mail deck cargo hold is not at least of Class B, the Operator has established system and procedures based on exceptions or approvals or prohibitions and the such procedures have been made available to all personnel including handling agents(if applicable)	7.2.1						
38	For operators having all cargo aircraft operation, the Operator has a system of providing access facilities to the flight crew members when packages bearing 'Cargo Aircraft Only' label that need to be loaded in accessible compartment/positions(if applicable) Check: <ul style="list-style-type: none"> ➤ Documentation of procedures 	7.2.4.1	9.3.4					
39	System of providing Notice to the Pilot- in- Command detailing information related to dangerous goods that were placed on board Check: <ul style="list-style-type: none"> ➤ Documentation of the procedures ➤ NOTOC contains all information required and detailed in Technical Instructions ➤ Retention policy of NOTOC 	7.4.1	9.5					
40	System of ensuring that the information provided in the NOTOC is available on ground at points of departure and scheduled arrival for duration of flight Check: <ul style="list-style-type: none"> ➤ Documentation of the procedures ➤ Check the accessibility 	7.4.1 7.4.1.5	9.5					
41	The Operator has a system of notification by pilot-in-command to air traffic services in the event of an in-flight emergency Check	7.4.3	9.5.1.3					

	➤ The Documentation for procedures							
42	System of providing information to passengers about dangerous goods that are not permitted in passenger's baggage Check: ➤ Documentation for procedures; ➤ Placards are available at the check-in area	7.5.1 8.1.1	9.5.2 2.3.A					
43	System for dealing with and reporting of passengers with dangerous goods that are not permitted (including liaison with security staff) Check The inter and intra arrangements between various related agencies and verify the adequacy of such arrangements	7.4.5	2.3					
44	Appropriately trained personnel for passenger and their baggage acceptance process Check: ➤ Training records and duty roster ➤ Validity of the certification	1.4.1 Table 1-4 1.4.2.2	1.5 1.5.A 1.5.0.3					
45	System of seeking confirmation from the passengers that their baggage does not contain dangerous goods that are not permitted in passenger baggage Check: ➤ Documentation of procedures ➤ Observe check-in process	7.5.2.2	9.5.2					
46	Systems and procedures for acceptance and loading of medical aid for a patient including provision of information to the handling staff. Check: ➤ Documentation of the procedures and also check with staff	8.1.1 Table 8-1	2.3 2.3.A					
47	Wheel chairs that are powered with spillable batteries, the Operator has a system of ensuring that such batteries are packed meeting the	8.1.1 Table 8-1	2.3 2.3.A 9.3.14					

	<p>regulations.</p> <p>Check:</p> <ul style="list-style-type: none"> ➤ Documentation of policies related to acceptance of wheel chairs 							
48	<p>System of ensuring that such wheel chairs powered with sailable batteries are loaded and stowed as laid down in the Regulations</p> <p>Check</p> <ul style="list-style-type: none"> ➤ Documentation of the processes ➤ Notification to the Pilot-in-Command ➤ Check with staff responsible 	8.1.1 Table 8-1	2.3 2.3.A 9.3.14					
49	<p>Systems to provide approval for such dangerous goods in passenger baggage that need Operator's approval as detailed in the Regulations (E.g Dry ice in checked baggage, oxygen for medical use etc.,)</p> <p>Check:</p> <ul style="list-style-type: none"> ➤ Documentation of procedures 	8.1.1 Table 8-1	2.3 2.3.A					
50	<p>The Operator deploys appropriately trained personnel as Load Planners</p> <p>Check:</p> <ul style="list-style-type: none"> ➤ Compare training records and duty roster ➤ Validation of the certification ➤ 	1.4.1 Table 1-4 1.4.2.2	1.5 1.5.A 1.5.0.3					
51	<p>The Operator deploys appropriately trained personnel for screening passengers baggage and their baggage(if applicable)</p> <p>Check:</p> <ul style="list-style-type: none"> ➤ Compare training records and duty roster ➤ Validation of the certification ➤ 	1.4.1 Table 1-4 1.4.2.2	1.5 1.5.A 1.5.0.3					
52	<p>Appropriately trained personnel for loading/unloading operations</p> <p>Check:</p> <p>Compare training records and duty roster</p> <p>Validation of the certification</p>	1.4.1 Table 1.4	1.5 1.5.A					

		1.4.2.2	1.5.0.3					
53	Flight Crew have been appropriately trained on dangerous goods Check: ➤ Validation of the certification	1.4.1 Table 1.4 1.4.2.2	1.5 1.5.A 1.5.0.3					
54	The Cabin Crew have been appropriately trained on dangerous goods Check: ➤ Validation of the certification	1.4.1 Table 1.4 1.4.2.2	1.5 1.5.A 1.5.0.3					
55	System of meeting awareness requirements by maintenance staff in respect of replacements or unserviceable items. Check ➤ Compare training records and duty roster	1.2.2.2 1.2.2.3						

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DETAILS OF UN-SATISFACTORY POINTS

Listed Sr. No in the Checklist	Details of non-conformity	Target Date for correction

<p>Additional Observations (if any)</p>	
<p>Date of Inspection</p>	
<p>Name of Inspector</p>	
<p>Principal Operator/ Personnel associated during the inspection</p>	
<p>Name & Signature of the Dangerous Goods Inspector</p>	
<p>Name & Signature of the Person responsible for Dangerous Goods Organization Representative</p>	
<p>Signature of the Director of Regulation and Information</p>	