

**Swiss Confederation** 

**Federal Office of Civil Aviation FOCA** Safety Division - Flight Operations

# FOCA GM/INFO

Guidance Material / Information

# **Certification Leaflet Dangerous Goods Helicopter**

Operators policy in relation to the transport of Dangerous Goods in the operation manuals A and D



Scope	Specific requirements of DG regulations for helicopter operators
Applies to	Helicopter operators active in Part-CAT, Part-NCC, Part-NCO, Part-SPO
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26.10.2017	1	4	Implementation of state policy in accordance with the ICAO TIs
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## **List of Effective Chapters**

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# List of Abbreviations LoA ISS 1/REV 5 / 28.03.2022

The following abbreviations are within this GM/INFO:

Abbreviation	Definition	Abbreviation	Definition	
AOG	Aircraft On Ground	IATA	International Air Transport	
APP	Approvals		Association	
ARO	Authority Requirements Operations	IAEA	International Atomic Energy Agency	
Art.	Article	ICAO	International Civil Aviation Organisation	
CAT	Commercial Air Transport	ID	Identification	
СВТА	Competency Based Training and Assessment	MEL	Minimum Equipment List	
Ch.	Chapter	MLR	Manuals, Logs and Records	
CL	Certification Leaflet	NCC	Non-commercial operations with complex motor-powered aircraft	
COMAT	Company Materials	NCO	Non-commercial operations with	
DEF	Definitions	NCO	other-than-complex motor-powered aircraft	
DETEC	Federal Department of the Environment, Transport, Energy and Communications	NOTOC	Notification To Captain	
DC		OATr	Federal Air Transport Ordinance	
DG	Dangerous Goods	OM	Operations Manual	
DGR	Dangerous Goods Regulations	OM-A	Operations Manual Part A	
DOC	Document	OM-D	Operations Manual Part D	
EASA	European Aviation Safety Agency	ORO	Organisation Requirements for Air	
e.g.	For example		Operations	
EC	European Commission	Par.	Paragraph	
EDI	Electronic Data Interchange	PBE	Protective Breathing Equipment	
EDP	Electronic Data Processing	RPO	Radiological protection ordinance	
Etc.	Et cetera	I O	(Strahlenschutzverordnung)	
EU	European Union	SOP	Standard operating procedure	
FCM	Flight crew member	SPA	Specific Approvals	
FOCA	(Swiss) Federal Office of Civil	SPO	Specialised operations	
	Aviation	SR	Schweizerische Rechtssammlung	
GEN	General	TIs	Technical Instructions	
GM	Guidance Material	UN	United Nations	

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#### 0 Introduction

Ch. 0 ISS 1 / REV 5 / 28.03.2022

This Guidance Material / Information (GM/INFO) is intended to assist all helicopter operators to introduce requirements and processes into their document system and to ensure compliance with the legal requirements.

It is to be considered as a tool for the operator in order to ease processes to obtain required and defined approvals and authorisations issued by the Federal Office of Civil Aviation (FOCA). Using this GM/INFO will be conducive to establishing compliance with FOCA requirements and will lead through the respective certification or variation process in regard to administrative tasks.

#### 0.1 Legal References

Ch. 0.1 ISS 1 / REV 5 / 28.03.2022

Regulations and References	Issue	Subject		
Basic Regulation (EC) No 2018/1139	04.07.2018	Common rules in the field of civil aviation and establishing a European Aviation Safety Agency		
Commission Regulation (EU) No 965/2012	05.10.2012	Technical requirements and administrative procedures related to air operations:  • Annex I: DEF  • Annex II: Part-ARO  • Annex III: Part-ORO  • Annex IV: Part-CAT  • Annex V: Part-SPA  • Annex VI: Part-NCC  • Annex VII: Part-NCO  • Annex VIII: Part-SPO		
Annex 6, Part III – International Operations – Helicopter Tenth Edition	July 2020	Dangerous goods (State responsibilities and operator's requirements)		
Annex 18 to the Convention of the ICAO – Fourth Edition	07. 2011	Internationally agreed set of provisions governing the safe transport of DG by air.		
ICAO DOC 9284 Technical Instructions for the Safe Transport of Dangerous Goods by Air hereafter called ICAO TIs	(issued every two years)	Detailed specifications amplifying the broad provisions of Annex 18.		
Ordinance dated 17th August 2005 about air transport ( OATr, SR 748.411)  Radiological protection ordinance	01.01.2023	<ul> <li>Prescription of compliance with Annex 18 and ICAO TIs.</li> <li>Training requirements (training programme approval and instructors qualifications)</li> <li>Declaration requirements</li> <li>Requirements about the air transport of radioactive</li> </ul>		
dated 26.04.2017 (RPO, SR 814.501)		materials.		

#### 0.2 Purpose of this GM/INFO

Ch. 0.2 ISS 1 / REV 5 / 28.03.2022

The purpose of this GM/INFO is to describe the specific requirements of the dangerous goods regulations and to provide the helicopter operators and FOCA inspectors with guidance material on how to implement relevant operations matters into the appropriate manuals.

#### 0.3 Scope

Ch. 0.3 ISS 1 / REV 5 / 28.03.2022

Unless otherwise specified, this GM/INFO is for all helicopter operators, whether the operator

- is intending to transport dangerous goods (DG) other than those described in chapter 3 (these operators are hereafter called DG Carriers) or
- not intending to transport dangerous goods or only those operations described in chapter 3
  (these operators are hereafter called Non DG Carriers).

Where the requirements for DG Carriers and Non DG Carriers differ they are specifically highlighted.

When the description of a topic in the operations manual is mandatory only for DG Carriers or for Non DG Carriers, the carriers for which the description is not mandatory are advised to leave this part blank in the operations manual.

Operators are reminded that implementing relevant operations matters into the Operations Manual System alone does not authorise the transport of dangerous goods by air. In fact, a specific Operations Specification Approval has to be obtained from FOCA.

#### 0.4 Terms and Conditions

Ch. 0.4 ISS 1 / REV 2 / 04.12.2014

When used throughout the GM/INFO the following terms shall have the meaning as defined below:

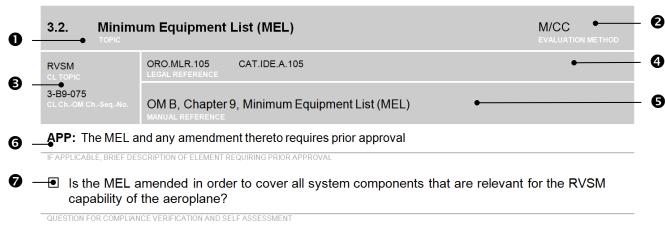
Term	Meaning	Reference		
shall, must, will	These terms express an obligation, a positive command.	EC English Style Guide: Ch. 7.19		
may	This term expresses a positive permission.	EC English Style Guide: Ch. 7.21		
shall not, will not These terms express an obligation, a negative command.		EC English Style Guide: Ch. 7.20		
may not, must not	These terms express a prohibition.	EC English Style Guide: Ch. 7.20		
need not	This term expresses a negative permission.	EC English Style Guide: Ch. 7.22		
should	This term expresses an obligation when an acceptable means of compliance should be applied .	EASA Acceptable Means of Compliance publications FOCA policies and requirements		
could	This term expresses a possibility.	http://oxforddictionaries.com/ definition/english/could		
ideally	This term expresses a best possible means of compliance and/or best experienced industry practice.	FOCA recommendation		

To highlight information or an editorial note a specific note box is used.

- The use of the male gender should be understood to include male and female persons.
- Unless otherwise specified, the requirements apply to both DG Carriers and Non DG Carriers.

## 0.5 Format of the GM/INFO Ch. 0.5 ISS 1 / REV 2 / 04.12.2014

This GM/INFO has the format of a Certification Leaflet (CL). The CL consists of a standardised modular reference box system. The following presentation provides details of the defined format:



The MEL shall be amended in order to comply with the requirement for RVSM operations in respect to system capability and redundancy.

0	Topic: subject description
0	FOCA evaluation method
•	FOCA / Topic Reference Number which may be used as identification in addition to interlink between this leaflet and the Document Evaluation Report (Finding Report).  The Number consists of a combination of:  - a subject code related to the specific topic/ theme; and  - sequence number in the respective chapter of the CL.  The above example 3-B9-075 indicates:  RVSM = CL regarding RVSM Specific Approval, 3 = CL section; B9 = OM chapter under evaluation (here OM-B, Chapter 9.), followed by 075 = sequence number.
4	Associated legal reference and/ or reference to other relevant publications including information on formal Acceptance (ACC) or Approval (APP) where applicable.
6	Reference to the part(s), chapter(s) and/or subchapters of the organisation's document systems or manual system as required by the applicable Part.
6	If the legal provision requires a formal approval, a short description of the content of this approval is provided.
0	Questions for self-assessment and compliance verification.
8	Provides instructions, provisions, regulatory requirements, guidelines, acceptable means of compliance and examples of current best practice.

#### 1 General Information

Ch. 1 ISS 1 / REV 5 / 28.03.2022

#### 1.1 Background

Ch. 1 ISS 1 / REV 5 / 28.03.2022

In order to achieve compatibility with the regulations covering the transport of DG by other modes of transport, the provisions of Annex 18 are based on

- the Recommendations of the United Nations Committee of Experts on the Transport of DG and on;
- the Regulations for the Safe Transport of Radioactive Materials by the International Atomic Energy Agency (IAEA).

The basic provisions of Annex 18 are amplified by the Technical Instructions for the Safe Transport of DG by Air (ICAO DOC 9284).

By virtue of Standard 2.2.1 of Annex 18, these instructions assume the character of Standards.

New versions of these instructions are issued every uneven year. Any addenda to the latest edition of the ICAO Technical Instructions issued by ICAO constitute part of these Instructions.

#### 1.2 IATA DG Regulations

Ch. 1.2 ISS 1 / REV 5 / 28.03.2022

The International Air Transport Association (IATA) produces annually a guideline called the IATA DG Regulations (IATA DGR). This guideline reproduces the requirements of the ICAO TIs and may in some cases be more restrictive than the ICAO TIs.

Should a decision be made to use this guideline instead of the ICAO TIs, references to the regulations must be completed accordingly in the operations manuals.

Operators are reminded that a new version of the IATA DGR is issued annually.

For user friendliness of this CL, the reference to the IATA DGR is mentioned between () in part 4 of the reference boxes (see also Ch. 0.5).

#### 1.3 Safety versus Security

Ch. 1.3 ISS 1 / REV 5 / 28.03.2022

The safety regulations provide requirements for the safe transport of DG (protection against the danger deriving from the product itself).

The security regulations (contained in Annex 17) provide (among others) requirements to minimize theft or misuse of DG.

### 1.4 What are DG

Ch. 1.4 ISS 1 / REV 5 / 28.03.2022

#### DG are articles or substances

 which, during transport, are capable of posing a risk to health, safety, property or the environment; and

- which are shown in the list of DG contained in the ICAO TIs,
- or which are classified according to these instructions (not all classified DG are shown in the list).

Substances (including mixtures and solutions) and articles classified as DG are assigned to one of nine classes according to the hazard or the most predominant of the hazards they represent.

#### These classes are:

Class	Danger	Labels (examples)
1	Explosives	1.4
2	Gases	2 2
3	Flammable liquids	3
4	Flammable solids; substances liable to spontaneous combustion; substances which, on contact with water, emit flammable gases	
5	Oxidizing substances and organic peroxides	5.1 5.2 5.2
6	Toxic and infectious substances	
7	Radioactive material	RADIOACTIVE I REPORT RE
8	Corrosive substances	CORROSVE

Class	Danger	Labels (examples)
9	Miscellaneous dangerous substances and articles, including environmentally hazardous substances	MISCELLAVICUS 40-2-3

The classes and their numbers give an indication of the hazard. Their numerical order does not denote the degree of danger. The latter is specified by the packing group.

For packing purposes, substances of some classes are assigned to three packing groups in accordance with the degree of danger they present:

- Packing Group I: Substances posing high danger;
- Packing Group II: Substances posing medium danger,
- Packing Group III: Substances posing low danger.

#### 1.5

**DG by Air** Ch. 1.5 ISS 1 / REV 2 / 04.12.2014

According to CAT.GEN.MPA.200 the transport of DG by air shall be conducted in accordance with Annex 18 to the Chicago Convention as last amended and amplified by the 'Technical instructions for the safe transport of dangerous goods by air' (ICAO Doc 9284-AN/905) including its supplements and any other addenda or corrigenda.

#### 1.5.1 **Transport Conditions**

Ch. 1.5.1 ISS 1 / REV 5 / 28.03.2022

These requirements are intended to facilitate transport while giving a level of safety such that DG can be carried without placing an aircraft or its occupants at risk.

In addition to the general information, the main topics of the ICAO TIs are:

- The classification of the DG (DG are divided into 9 classes);
- The DG list.

This list is non-exhaustive. It contains, as far as practicable, all dangerous substances of commercial importance and indicates the acceptability of the product for transport by air and under what conditions.

- The general packing requirements and the detailed packing instructions;
- The shipper's responsibilities (package markings, labelling, documentation);
- The packaging nomenclature, marking, requirements and tests;
- The operators responsibilities;
- The provisions concerning passengers and crew.

Due to the differences in the type of operations carried out by helicopters compared with aeroplanes, there may be circumstances when the full provisions of the ICAO technical instructions are not appropriate or necessary due to the operations involving unmanned sites, remote locations, mountainous areas or construction sites, etc. In such circumstances and when appropriate, the state of the operator may grant an approval in order to permit the carriage of dangerous goods without all of the normal requirements of these instructions being fulfilled.

#### 1.5.2 **Operator Responsibilities**

The operator's responsibilities are described in CAT.GEN.MPA.200 and ICAO Annex 6 Part III and Annex 18/TIs Part 7 and 8.

#### 1.5.3 Operators Approval

Ch. 1.5.3 ISS 1 / REV 5 / 28.03.2022

DG, unless excepted by virtue of

- ICAO TIs Part 1, Chapter 1, 1.1.5 (general exceptions)
- ICAO TIs Part 1 Chapter 2, 2.2 (exceptions for DG of the operator)
- ICAO TIs Part 8 (Provisions concerning passengers and crew) ICAO TIs (see 5.3 of this CL) may only be transported if an approval has been granted by the authority in accordance with SPA.DG.100 (see Ch. 2).

## 2 Operator's Policy in Relation to the Transport of DG

		ator's policy on the transport of DG ISS 1 / REV 5 / 28.03.2022				M/CC EVALUATION METHOD
DG CL TOPIC		CAT.GEN.MPA. 200 (b) LEGAL REFERENCE	SPA.DG.100 and SPA.DG.105	ORO.MLR.100	RPO Art. 9 & 10	Annex 6, Part. III, Air Operator Certificate (AOC)
2-A9-001 ChOM ChSeqNo.		OM-A, Chapter 9.1. Information, instructions and general guidance on the transport of dangerous goods OM-A, Chapter 9.1.1 Policy on the transport of dangerous goods MANUAL REFERENCE				

APP: Transport of dangerous goods by air requires approval.

If APPLICABLE, BRIEF DESCRIPTION OF ELEMENT REQUIRING PRIOR APPROVAL
 Is there a policy defining whether an approval for the transport of DG is held or not?
 In case an approval for the transport of DG is held, has an operational point of contact for DG been foreseen and stated?
 If there is the intention to transport radioactive materials, if applicable, has a general authorisation for the transport of radioactive materials been obtained from the Federal Office of Public Health and is this authorisation stated?
 If no approval for the transport of DG is held, are the DG that are allowed on board the aircraft stated (See Ch. 5)?

QUESTION FOR COMPLIANCE VERIFICATION AND SELF ASSESSMENT

#### **Transport of DG**

Due to the differences in the type of operations carried out by helicopters compared with aeroplanes, there may be circumstances when the full provisions of the ICAO technical instructions are not appropriate or necessary due to the operations involving unmanned sites, remote locations, mountainous areas or construction sites, etc. In such circumstances and when appropriate, the state of the operator may grant an approval in order to permit the carriage of dangerous goods without all of the normal requirements of these Instructions being fulfilled.

Should it be decided to transport DG other than the excepted DG, an approval for the transport of DG has to be applied for. In this case, evidence must be shown to FOCA that:

- adequate training as stated in ICAO TIs Part 1 Chapter 4 has been given;
- the operations manuals OM-A and OM-D contain all information and procedures to be used to
  ensure the safe handling of DG at all stages of air transport. These information and
  procedures will have to be updated in accordance with the amendments of the ICAO TIs (see
  Chapter 0.1 Legal References).

#### Transport of radioactive materials

According to the Radiological protection ordinance (RPO SR 814.501) all transport of radioactive material, except the UN-numbers mentioned in art. 10 c) within as well as out of Switzerland, is subject to a general authorisation issued to the operator by the Federal Office of Public Health, Radiation protection Division, 3003 Berne, Switzerland. Further information may be obtained from the surveillance authority, SUVA, 6002 Lucerne, Switzerland.

#### **ENTRY** in the manual

- Specify whether an approval for the transport of DG by air is held or not;
- Specify whether a general authorisation from the Federal Office of Public Health for the transport of radioactive materials has been obtained or not;
- If an approval for the transport of DG is held, specify an operational point of contact. This point of contact can be one of the nominated persons, especially nominated for DG. The contact details have to include at least the telephone numbers, including the country code, and the email address;
- If no approval for the transport of DG is held, the following statement must be made: Only the DG mentioned in OM-A Chapter X.X may be accepted on board the aircraft.

#### Exceptions Ch. 3 ISS 1 / REV 5 / 28.03.2022 3

3.1 General Ch. 3.1	ral exceptions ISS 1 / REV 5 / 28.03.2022	CC EVALUATION METHOD
DG	CAT.GEN.MPA.200 SPA.DG.100 SPA.DG.105 ORO.MLR.100 LEGAL REFERENCE	ICAO TIs Part 1 CH.1.1.5 (IATA DGR 1.2.7)
CL TOPIC  3-A9-001 ChOM ChSeqNo.	OM-A, Chapter 9.1. Information, instructions and general guidance on the trans OM-A, Chapter 9.1.2 Guidance on the Requirements for acceptance, labelling, segregation of dangerous goods OM-A, Chapter 9.1.2.1 General exceptions  MANUAL REFERENCE	

IF APPLICABLE, BRIEF DESCRIPTION OF ELEMENT REQUIRING PRIOR APPROVAL

☐ Are the general exceptions described?

QUESTION FOR COMPLIANCE VERIFICATION AND SELF ASSESSMENT

#### **ENTRY** in the manual

The text mentionned in ICAO TIs Part 1 Ch. 1.1.5 may be used.

**Note**: The sections that do not suit to the operator's operations should be deleted.

3.2	3.2 Exceptions for DG of the Operator Ch. 3.2 ISS 1 / REV 5 / 28.03.2022					CC EVALUATION METHOD	
DG		CAT.GEN.MPA.200 LEGAL REFERENCE	SPA.DG.100	SPA.DG.105	ORO.MLR.100	ICAO TIs Part 1 Ch. 2.2 (IATA DGR 2.5.1)	
CL TOPIC  3-A9-001  ChOM ChSeqNo.		OM-A, Chapter 9.1. Information, instructions and general guidance on the transport of dangerous goods OM-A, Chapter 9.1.2 Guidance on the requirements for acceptance, labeling, handling, stowage and segregation of dangerous goods OM-A, Chapter 9.1.2.2 Exceptions for dangerous goods of the operator MANUAL REFERENCE					
IF APPLICABLE, BRIEF DESCRIPTION OF ELEMENT REQUIRING PRIOR APPROVAL							
$\ \square$ Are the exceptions for DG of the operator described?							

#### **ENTRY** in the manual

QUESTION FOR COMPLIANCE VERIFICATION AND SELF ASSESSMENT

The following cursive text constitutes an example of the description of these exceptions:

The provisions of the ICAO TIs do not apply to DG which are required to be aboard the aircraft:

- a) in accordance with the pertinent airworthiness requirements and operating regulations;
- b) electronic devices, such as electronic flight bags, personal entertainment devices, and credit card readers, containing lithium metal or lithium ion cells or batteries and spare lithium batteries for devices carried by the operator for use on the aircraft during the flight or series of flights, provided that the batteries meet the provisions ICAO TIs Part 8;
- c) spare lithium batteries must be individually protected so as to prevent short circuits when not in use.

For information about DG intended as replacements, see OM A Chapter 9.x Shipping / Transporting of spares for COMAT.

3.3 Spares Ch. 3.3						
DG	CAT.GEN.MPA.200 SPA.DG.100 LEGAL REFERENCE	SPA.DG.105	ORO.MLR.100	ICAO TIs, Part 1 Ch. 2.2.2., 2.2.3, 2.2.4 + Part 5 (IATA DGR 2.5.2)		
CL TOPIC  3-A9-001  ChOM ChSeqNo.	OM-A, Chapter 9.1. Information, ins OM-A, Chapter 9.1.2 Guidance on segregation of dangerous goods OM-A, Chapter 9.1.2.3 Shipping / T MANUAL REFERENCE	the requirements for acc	eptance, labeling, ha	andling, stowage and		

□ Are the transport requirements for spares (COMAT) classified as DG described?
 □ Non DG Carriers: is there a statement that DG spares (COMAT) will not be loaded onboard the aircraft?
 □ Is it explicitly stated that employees preparing the shipment of DG spares (COMAT) are to be trained?

QUESTION FOR COMPLIANCE VERIFICATION AND SELF ASSESSMENT

COMAT is an industry term developed and used by certificate holders to describe a wide array of company materials including aircraft spares and replacement items for installed equipment and consumable materials. Some of these COMAT are classified as DG.

According to ICAO TIs Part 1 Chapter 2.2.1, the provisions of the ICAO TIs do not apply to the company materials unless these articles and substances are intended as replacements (spares).

#### **ENTRY** in the manual

The following cursive text constitutes an example of the description for this topic:

- All spares and replacement items shall be evaluated and identified by their hazardous or nonhazardous classification before being introduced into the transportation system. Spares that are classified as DG have to be transported in full compliance with the ICAO TIs.
- Add-on for Non DG Carriers: ...through a DG carrier only.
   DG spares (COMAT) will not be loaded onboard our aircraft.
- The offering of DG COMAT for transport is a shipper function according to ICAO TIs Part 5 and includes classifying, documenting, marking, labelling, and packaging of the DG shipment. The shipping and acceptance functions must only be accomplished by employees trained in accordance with ICAO TIs, Part 1, Chapter 4.

#### CC 3.4 DG that may be carried by passengers and crew ISS 1 / REV 5 / 28.03.2022 ICAO TIs Part 8 CAT.GEN.MPA.200 SPA.DG.100 SPA.DG.105 ORO.MLR.100 (IATA DGR 2.3 and 9.5.2.1) DG OM-A, Chapter 9.1. Information, instructions and general guidance on the transport of dangerous goods 3-A9-001 OM-A, Chapter 9.1.2 Guidance on the requirements for acceptance, labelling, handling, stowage and segregation of dangerous goods OM-A, Chapter 9.1.2.4 Dangerous goods that may be carried by passengers and crew IF APPLICABLE, BRIEF DESCRIPTION OF ELEMENT REQUIRING PRIOR APPROVAL ☐ Is there a description of the DG that may be carried by passengers and crew? ☐ Is there a description of the procedure ensuring that the personnel involved always have the most recent list of DG items which may be carried by passengers and crew at their disposal?

☐ Is there a description of the procedure to follow when the DG allowed have to fulfill some test

☐ Is there a description of the procedure to follow when the approval of the operator is required?

OLIESTION FOR COMPLIANCE VERIFICATION AND SELF ASSESSMEN

#### **ENTRY** in the manual

requirements?

The following cursive text constitutes an example of the description for this topic:

- Except for the incident reporting provisions, the provisions of the ICAO TIs do not apply to some items when carried by passengers or crew members.
- See the current list of the DG items which may be carried by passengers and crew in the regulations.
- These provisions do not take into account the EU Aviation Cabin Baggage Security
  Regulations (liquids, gels and pastes). In case of discrepancy, the most restrictive provision is
  applicable.

Note: Operator's specific requirements for particular DG may be added.

In addition, the following procedures have to be described:

- The procedure ensuring that the personnel involved always have an up-to-date version of the list;
- The procedure to follow when the approval of the operator is required.

#### 4 Forbidden DG

Ch. 4 ISS 1 / REV 5 / 28.03.2022

4.1 Gener	al ISS 1 / REV 2 / 4.12.2014				EVALUATION METHOD
DG CL TOPIC 4-A9-001 ChOM ChSeqNo.	CAT.GEN.MPA.200 LEGAL REFERENCE	SPA.DG.100	SPA.DG.105	ORO.MLR.100	ICAO TIs Part 1 Ch. 1.1.2 + 1.1.3 (IATA DGR 2.1)
	OM-A, Chapter 9.1. Information, instructions and general guidance on the transport of dangerous goods OM-A, Chapter 9.1.2 Guidance on the requirements for acceptance, labeling, handling, stowage and segregation of dangerous goods OM-A, Chapter 9.1.2.5 General MANUAL REFERENCE				

IF APPLICABLE, BRIEF DESCRIPTION OF ELEMENT REQUIRING PRIOR APPROVAL

□ Non DG Carriers: is there a statement that DG others than those mentioned in OM-A 9. Exceptions are forbidden for transport?

QUESTION FOR COMPLIANCE VERIFICATION AND SELF ASSESSMENT

#### Entry in the operations manual

- Non DG Carriers: only the transport of excepted DG is allowed, therefore, a statement that DG others than those mentioned in OM-A 9.x Exceptions (see Ch. 3) are forbidden for transport is enough.
- DG Carriers: Forbidden DG must be brought to the attention of the personnel and therefore precisely described (see below Ch. 4.2).

4.2 Desc Ch. 4.2	ription of Forbic	CA EVALUATION METHOD					
DG	CAT.GEN.MPA.200 LEGAL REFERENCE	SPA.DG.100	SPA.DG.105	ORO.MLR.100	ICAO TIs Part 1 Ch. 1.1.2 + 1.1.3 (IATA DGR 2.1)		
CL TOPIC 4-A9-001 ChOM ChSeqNo.	OM-A, Chapter 9.1 segregation of dang	OM-A, Chapter 9.1. Information, instructions and general guidance on the transport of dangerous goods OM-A, Chapter 9.1.2 Guidance on the requirements for acceptance, labeling, handling, stowage and segregation of dangerous goods OM-A, Chapter 9.1.2.6 Forbidden dangerous goods  MANUAL REFERENCE					
IF APPLICABLE, BRIEF DESCRIPTION OF ELEMENT REQUIRING PRIOR APPROVAL							
☐ Are the categories of forbidden DG described?							
QUESTION FOR COMPLIANCE VERIFICATION AND SELF ASSESSMENT							

#### The different categories of forbidden DG are:

- DG forbidden for transport by air under any circumstance.
  - Any article or substance which are identified as too dangerous to ever be carried on any aircraft (i.e. liable to explode, dangerously react, produce a flame or dangerous evolution of heat or dangerous emission of toxic, corrosive or flammable gases or vapours under conditions normally encountered in transport) must not be carried on aircraft under any circumstance;
- Forbidden DG authorised for air transport by approval.
   Certain DG, which are normally forbidden, may be specifically authorised for air transport through approval by the national authority of the state of origin where the DG are first loaded on an aircraft and of the state of the operator. These DG are identified in Table 3-1 of the ICAO TIs by Special Provision A1 and A2;
- Forbidden DG authorised for air transport under exemption from all states concerned (see Ch. 5).

### 5 Approvals and Exemptions - DG Carriers

Ch. 5 ISS 1 / REV 5 / 28.03.2022

5.1	Appro	<b>val</b> ISS 1 / REV 4 / 26.10.2017				M/CC EVALUATION METHOD
DG CL TOPIC 5-A9-001 ChOM ChSeqNo.		CAT.GEN.MPA.200 LEGAL REFERENCE	SPA.DG.100	SPA.DG.105	ORO.MLR.100	ICAO TIs Part 1 Chapter 1.1.2 (IATA DGR 1.2.5)
			2 Guidance on the re erous goods		•	ort of dangerous goods dling, stowage and

**APP:** Where specifically stated in the ICAO TIs, the state of origin and the state of the operator may grant an approval:

- a) To transport dangerous goods forbidden on passenger and/or cargo aircraft where these Instructions state that such goods may be carried under an approval;
- b) For other purposes as specified in these Instructions; provided that in such instances an overall level of safety in transport which is at least equivalent to the level of safety provided for in these Instructions is achieved.

IF APPLICABLE, BRIEF DESCRIPTION OF ELEMENT REQUIRING PRIOR APPROVAL

	Is the	topic	«Approval»	described?
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☐ Is the point of contact in Switzerland for the obtaining of such approvals mentioned?

QUESTION FOR COMPLIANCE VERIFICATION AND SELF ASSESSMENT

- The state of origin of the transport and the state of the operator may grant an approval
  - to transport DG forbidden on passenger and/or cargo aircraft where the ICAO TIs state that such goods may be carried under an approval;
  - for other purposes as specified in the ICAO TIs provided that in such instances an overall level of safety in transport which is at least equivalent to the level of safety provided for in the ICAO TIs is achieved.
- In Switzerland, requests for approvals have to be sent to gefahrgut@bazl.admin.ch.

#### **ENTRY** in the manual

For the guidance of operations personnel, describe the topic and mention the point of contact in Switzerland (gefahrgut@bazl.admin.ch) for the obtaining of such approvals.

	nptions M/CC ISS 1 / REV 5 / 28.03.2022 EVALUATION	ON METHOD			
DG	ICAO TIs Part 1 Chapter 1. CAT.GEN.MPA.200 SPA.DG.100 SPA.DG.105 ORO.MLR.100 1.1.4 (IATA DGR 1.2.6) LEGAL REFERENCE	1.3 +			
CL TOPIC  8-A9-010  CL ChOM ChSeq1	OM-A, Chapter 9.1. Information, instructions and general guidance on the transport of dangerous goods OM-A, Chapter 9.1.7.x Approvals and exemptions OM-A, Chapter 9.1.7.x Exemptions				

**APP:** In instances of extreme urgency or when other forms of transport are inappropriate or full compliance with the prescribed requirements is contrary to public interest, the States concerned may grant an exemption from the provisions of the ICAO TIs.

IF APPLICABLE, BRIEF DESCRIPTION OF ELEMENT REQUIRING PRIOR APPROVAL

Is the topic «Exemptions» and the procedure related to it described?
Are the application form and the point of contact in Switzerland for the obtaining of exemptions mentioned?

☐ If applicable, are non-expiring exemptions and the conditions of carriage mentioned?

QUESTION FOR COMPLIANCE VERIFICATION AND SELF ASSESSMENT

- In instances of extreme urgency or when other forms of transport are inappropriate or full compliance with the prescribed requirements is contrary to public interest, transports which are not fully compliant with the ICAO TIs may be carried out provided that all states concerned (states of origin of the transport, operator, transit, overflight and destination) have granted an exemption and that the conditions on the exemption are complied with.
- In such instances an overall level of safety in transport which is at least equivalent to the level of safety provided for in the ICAO TIs has to be achieved.
- In Switzerland, requests for exemptions have to be sent to gefahrgut@bazl.admin.ch. The
  application form to be used is available on FOCA's website under <u>Dangerous goods:</u>
  Operation (admin.ch).

#### **ENTRY** in the manual:

For the guidance of operations personnel, describe the topic and the procedure for the obtaining of such exemptions.

#### 6 Undeclared and Hidden DG

Ch. 6 ISS 1 / REV 5 / 28.03.2022

6.1	Recog	nition of Undeo	CA EVALUATION METHOD			
DG		CAT.GEN.MPA.200 (c) LEGAL REFERENCE	SPA.DG.100	SPA.DG.105 and SPA.DG.110	ORO.MLR.100	ICAO TIs Part 7 Chapter 1, 5 and 6 (IATA DGR 2.2)
CL TOPIC 6-A9-001 ChOM ChSe		OM-A, Chapter 9.1. OM-A, Chapter 9.1. segregation of dang OM-A, Chapter 9.1. MANUAL REFERENCE	ptance, labeling, har	ort of dangerous goods ndling, stowage and		

□ Is the topic "Undeclared DG" described?
 □ DG Carriers: Is a procedure ensuring that undeclared DG will not be loaded onboard the aircraft?
 □ Non DG Carriers: Is a procedure ensuring that items found containing DG other than specified under OM-A Chapter 9.x (Exceptions see Ch. 3) will not be loaded onboard the aircraft

QUESTION FOR COMPLIANCE VERIFICATION AND SELF ASSESSMENT

#### **ENTRY** in the manual

described?

The following cursive text constitutes an example of the description for this topic:

- General cargo and baggage might contain undeclared and/or forbidden DG. Indicators for DG may be:
  - General information marked on packages;



- Consumer warning labels on packages(e.g.:
- DG markings and labels (e.g.: UN numbers, proper shipping names or hazard labels).
- In case of suspicion of a DG content in cargo and baggage:
  - Cargo acceptance and passenger handling staff must be alerted,
  - Consideration must be given to verify that no undeclared/forbidden DG are present, e.g. in seeking confirmation from passengers and shippers.
- Additional entry for DG Carriers:

Description of a detailed procedure ensuring that:

- undeclared DG will not be loaded before they are declared;
- forbidden DG will not be loaded at all.
- Additional entry for Non-DG Carriers:

Description of a detailed procedure ensuring that items found containing DG other than specified under OM-A Chapter 9.x (Exceptions) will not be loaded onboard the aircraft.

6.2	Hidder Ch. 6.2	n Shipment Ind	icators			CA EVALUATION METHOD	
DG		CAT.GEN.MPA.200 LEGAL REFERENCE	SPA.DG.100	SPA.DG.105 and SPA.DG.110	ORO.MLR.100	ICAO TIs Part 7 Chapter 6 (IATA DGR 2.2.4)	
CL TOPIC 6-A9-001 ChOM ChS		OM-A, Chapter 9.1. Information, instructions and general guidance on the transport of dangerous goods OM-A, Chapter 9.1.2 Guidance on the requirements for acceptance, labeling, handling, stowage and segregation of dangerous goods OM-A, Chapter 9.1.2.10 Recognition of Hidden shipments  MANUAL REFERENCE					
IF APPLICABLE, BRIEF DESCRIPTION OF ELEMENT REQUIRING PRIOR APPROVAL							
☐ Is a list of hidden DG shipment indicators available in the OM-A?							
OLIESTION FOR COMPLIANCE VERIFICATION AND SELF ASSESSMENT							

For further reference and an example of a hidden DG shipment indicators list, refer to ICAO TIs Part 7 Chapter 6 or IATA DGR 2.2.4.

	6.3 Reporting of Undeclared DG  Ch. 6.3 ISS 1 / REV 2 / 04.12.2014					CC/IN EVALUATION METHOD	
DG		CAT.GEN.MPA.200 LEGAL REFERENCE	SPA.DG.100	SPA.DG.105 and SPA.DG.110	ORO.MLR.100	ICAO TIs Part 7 Chapter 4.5 (IATA DGR 9.6.2)	
6-A9-001 ChOM ChSeq.	No.	OM-A, Chapter 9.1. Information, instructions and general guidance on the transport of dangerous goods OM-A, Chapter 9.1.2 Guidance on the requirements for acceptance, labeling, handling, stowage and segregation of dangerous goods OM-A, Chapter 9.1.2.11 Reporting of undeclared dangerous goods MANUAL REFERENCE					
IF APPLICABLE, BRIEF DESCRIPTION OF ELEMENT REQUIRING PRIOR APPROVAL							
☐ Are the reporting requirements for undeclared DG described?							

QUESTION FOR COMPLIANCE VERIFICATION AND SELF ASSESSMENT

#### **ENTRY** in the manual

The following cursive text constitutes an example of the description for this topic:

Any occasion must be reported

- When undeclared or misdeclared DG are discovered in cargo. Such a report must be made to Swiss FOCA (State of the operator) as well as to the appropriate authority of the State in which the DG has been detected;
- When DG not permitted under 8;1.1.1 ICAO TIs are discovered in passengers' baggage after check-in. Such a report must be made to the appropriate authority of the State in which the DG has been detected.

For more details about reporting: see Ch. 10.

### 7 Marking, Labelling and Transport Documentation

Ch. 7 ISS 1 / REV 5 / 28.03.2022

7.1 Packa	ge Markings an				CA EVALUATION METHOD	
DG	CAT.GEN.MPA.200 LEGAL REFERENCE	SPA.DG.100	SPA.DG.105 and SPA.DG.110	ORO.MLR.100	ICAO TIs Part 5 Chapter 2 and 3 (IATA DGR 7)	
CL TOPIC 7-A9-001 ChOM ChSeqNo.	OM-A, Chapter 9.1. Information, instructions and general guidance on the transport of dangerous goods OM-A, Chapter 9.1.2 Guidance on the requirements for acceptance, labeling, handling, stowage and segregation of dangerous goods OM-A 9.1.2.12 Package markings and labelling MANUAL REFERENCE					

IF APPLICABLE, BRIEF DESCRIPTION OF ELEMENT REQUIRING PRIOR APPROVAL

	The item must be clearly idendified as DG if it is not marked and labelled as required in the TI's
	(description?).
$\overline{}$	Non-DO Comings is it stated that bis south hands a DO conditions and labelling will not be

□ Non DG Carriers: is it stated, that shipments bearing DG markings and labelling will not be loaded onboard the aircraft?

QUESTION FOR COMPLIANCE VERIFICATION AND SELF ASSESSMENT

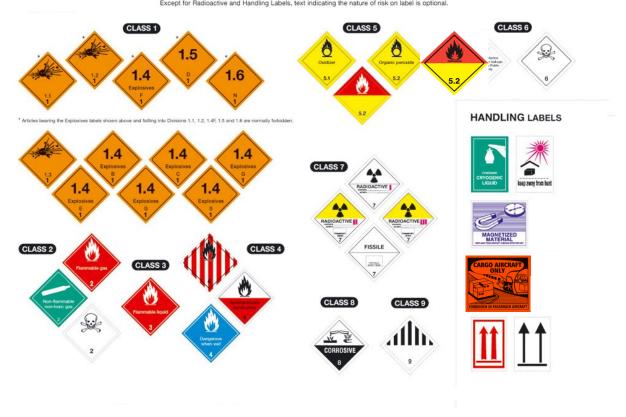
Unless otherwise stated in the ICAO TIs, packages and overpacks containing DG offered for transport by air must be

- labelled with danger class labels for the primary and subsidiary hazard shown in column 3 and 4 of Table 3-1 ICAO TIs. These labels must bear the class or division number and be able to withstand open weather exposure without a substantial reduction in effectiveness;
- labelled with applicable handling labels according to ICAO TIs Part 5 Chapter 3.5.2.

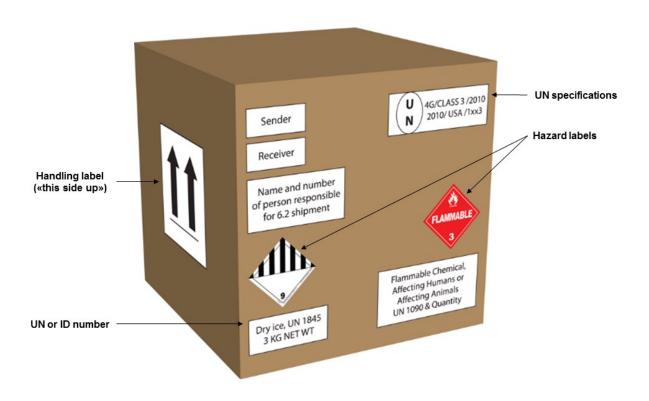
If the circumstances do not allow to fulfill the above mentioned requirements, the packages can be accepted when it is clearly identified as DG.

Below, an overview of hazard and handling labels:

IATA / ICAO HAZARD AND HANDLING LABELS



Example of a marked and labelled package:



#### **ENTRY** in the manual

For the guidance of operations personnel, the requirements shall be described.

#### Additional entry for non DG carriers

The following cursive text constitutes an example of the description for this topic:

Packages bearing DG markings and labelling must not be loaded onboard our aircraft.

	ransport Document				CA EVALUATION METHOD		
DG	CAT.GEN.MPA.200 LEGAL REFERENCE	SPA.DG.100	SPA.DG.105 and SPA.DG.110	ORO.MLR.100	ICAO TIs Part 5 Chapter 4 (IATA DGR 8)		
CL TOPIC 7-A9-001 ChOM ChSeq	OM-A, Chapter 9.7 segregation of dan OM-A, Chapter 9.7	OM-A, Chapter 9.1. Information, instructions and general guidance on the transport of dangerous goods OM-A, Chapter 9.1.2 Guidance on the requirements for acceptance, labeling, handling, stowage and segregation of dangerous goods OM-A, Chapter 9.1.2.13 Transport documentation MANUAL REFERENCE					
IF APPLICABLE, E	RIEF DESCRIPTION OF ELEMENT	REQUIRING PRIOR APPR	ROVAL				
☐ Are the	e requirements regar	ding transport	documentation d	escribed?			
transp eleme	☐ If the circumstances do not allow to fulfill the above mentioned requirements another form of transport documentation is acceptable and has to be described. The description shall contain elements like, registration of content to be transported, verfication that those DG are allowed to be transported, providing information to involved personnel etc.						

QUESTION FOR COMPLIANCE VERIFICATION AND SELF ASSESSMENT

#### **REQUIREMENTS**

The person who offers DG for international transport by air must provide the operator with the information required in ICAO TIs Part 5 Chapter 4. This information includes all needed documents.

- on a paper document or
- by EDP or EDI techniques.

If a paper document is used, two copies, completed and signed, must be provided (see an example below):

Shipper			Air Waybill No.						
				Page	of	Pages			
				Shippe	's Referen	ce Number (ope	fonel)		
Consigne	Consignee								
Two completed	and signed applies of this E	Decision from the handed to the	openioc		RNING	mply in all re	specie with	the and	ollonbia
TRANSPORT	DETAILS			Dan	gerous G	oods Regulati w, subject to is	one may be	in bread	
This shipment prescribed for	ix within the Emfadors	Airport of Departure:		"	100200 101	m, outgood to it	- ponditi		
(delete non-ap	prilantile)								
PASSENGER CARGO AIRCI	AND CARGO RAFT AIRCRAFT ONLY								
Airport of D				Shipm		isiele non-applicable)			
					NON-F	RADIOACTIVE	RADIOA	CTIVE	
NATURE A	ND QUANTITY OF DA	INGEROUS GOODS							
	Danger	rous Goods Identificat							
UN or ID No.	Proper 5	Phipping Name	Class or (Subsidis	Division ny Risk)	Packing Group	Quantity and ty	pe of packing	Packing Inst.	Authorizatio
Additional	Handling Information								
Additional I	Handling Information								
	Handling Information  y contact 24-hr numb	Heri:							
Emergence	y contact 24-hr numb	tents of this consignmen				Name/Title of S	gratry		
I hereby didescribed marked a	y contact 24-hr numb seciare that the con above by the prop nd labellediplacard	tents of this consignment per shipping name, and ed, and are in all respe-	are class cts in pro	offied, p per con	ackaged, dition for	Name/Title of S	gratry		
I hereby didescribed marked a transport	y contact 24-hr numb declare that the con I above by the prop not labelled/placard according to appl	tents of this consignment per shipping name, and	are class cts in pro d nation	offied, p per con al gove	ackaged, dition for mmental	Name/Title of Si	gratry		

• Where the DG transport information is provided by EDP or EDI techniques, the data must be able to be produced as a paper document without delay, with the data in the sequence required.

#### Approval as State of Operator within national territory (acc. ICAO TI part 7; chapter 7.1.1)

Operations, which are undertaken by a helicopter involving short, repetitive flights or a series of flights from different locations such as:

- unmanned sites,
- remote locations,
- mountainous areas,
- construction sites or
- were cargo is picked up without the helicopter landing

the required DG documents, which must accompany the consignment according the ICAO TIs part 5; chapter 4, are optional.

On heliports, airports, aerodromes and airfields the DG transport documentation is mandatory. The person who offers dangerous goods for transport by air must provide to the operator the information applicable to the consignment.

A dangerous goods transport document may be in any form, provided it contains all of the information required by the ICAO TIs (see also Ch. 8.2 acceptance procedures).

International operations must be performed in full compliance with the ICAO TIs.

#### **ENTRY** in the manual

For the guidance of operations personnel, the requirements shall be described.

#### Additional entry for Non-DG carriers:

The following cursive text constitutes an example of the description for this topic:

Shipment accompanied by such documentation will not be loaded onboard our aircraft.

#### 8 Acceptance and Handling Procedures - DG Carriers

Ch. 8 ISS 1 / REV 5 / 28.03.2022

8.1	Genera Ch. 8.1	<b>al</b> ISS 1 / REV 5 / 28.03.2022				EVALUATION METHOD
DG CL TOPIC 8-A9-001 ChOM ChSeqNo.		CAT.GEN.MPA.200 LEGAL REFERENCE	SPA.DG.100	SPA.DG.105 and SPA.DG.110	ORO.MLR.100	ICAO TIs Part 7 (IATA DGR 9)
		OM-A, Chapter 9.1. Information, instructions and general guidance on the transport of dangerous goods OM-A, Chapter 9.1.2 Guidance on the requirements for acceptance, labeling, handling, stowage and segregation of dangerous goods OM-A, Chapter 9.1.2.14 General MANUAL REFERENCE				

IF APPLICABLE, BRIEF DESCRIPTION OF ELEMENT REQUIRING PRIOR APPROVAL

QUESTION FOR COMPLIANCE VERIFICATION AND SELF ASSESSMENT

This part details the responsibilities of operators with regard to the acceptance, handling and loading of DG.

#### Nothing in this part

- <u>should be interpreted as preventing an operator from imposing special requirements on the transport of a particular article or substance.</u>
- <u>is intended to preclude a third company from carrying out some or all of the functions of an</u> operator. Such companies are subject to the operator's responsibilities.

8.2 Accep	tance Procedure	es			CC/IN EVALUATION METHOD		
DG	CAT.GEN.MPA.200 LEGAL REFERENCE	SPA.DG.100	SPA.DG.105 and SPA.DG.110	ORO.MLR.100	ICAO TIs Part 7 Chapter 1 (IATA DGR 9.1)		
CL TOPIC  8-A9-001 ChOM ChSeqNo.	OM-A, Chapter 9.1. Information, instructions and general guidance on the transport of dangerous goods OM-A, Chapter 9.1.2 Guidance on the requirements for acceptance, labeling, handling, stowage and segregation of dangerous goods OM-A, Chapter 9.1.2.15 Acceptance procedures  MANUAL REFERENCE						
IF APPLICABLE, BRIEF DES	SCRIPTION OF ELEMENT RE	QUIRING PRIOR APPROV	AL				
☐ Is the accep	☐ Is the acceptance procedure described?						
☐ Is an acceptance checklist attached?							
☐ Is the rejection procedure described?							
☐ Is the proce	dure within natio	nal territory des	cribed?				
QUESTION FOR COMPLIA	NCE VERIFICATION AND SEL	F ASSESSMENT					

In addition to the description of the requirements, an acceptance checklist shall be attached to the OM-A Chapter 9 and used. This acceptance list shall contain all steps described in ICAO TIs Part 7 Chapter 1.

#### Approval as State of Operator within national territory (acc. ICAO TI part 7; chapter 7.1.1)

Operations, which are undertaken by a helicopter involving short, repetitive flights or a series of flights from different locations

- o unmanned sites,
- o remote locations,
- o mountainous areas,
- o construction sites
- o or were cargo is picked up without the helicopter landing,

the usage of the complete acceptance checklist (linke below) is optional, except for the section titled "before loading". The checks of the section "before loading" must be done for all operation were DG are involved.

On heliports, airports, aerodromes and airfields the usage of the complete acceptance checklist is mandatory.

DG Acceptance Checklist for Helicopter Operations (9).pdf

#### <u>International operations must be performed in full compliance with the ICAO TIs.</u>

The usage of an acceptance checklist is mandatory. In addition to the description of the requirements, an acceptance checklist for international DG transportation shall be attached to the OM-A Chapter 9.

#### 8.3 CA/IN Inspection for Damage, Leakage or Contamination ISS 1 / REV 4 / 26.10.2017 SPA.DG.105 and ICAO TIs Part 7 Chapter 3 CAT.GEN.MPA.200 SPA.DG.100 SPA.DG.110 ORO.MLR.100 (IATA DGR 9.3.6 and 9.4) DG OM-A, Chapter 9.1. Information, instructions and general guidance on the transport of dangerous goods 8-A9-001 OM-A, Chapter 9.1.2 Guidance on the requirements for acceptance, labeling, handling, stowage and segregation of dangerous goods OM-A, Chapter 9.1.2.16 Inspection for damage, leakage or contamination

IF APPLICABLE, BRIEF DESCRIPTION OF ELEMENT REQUIRING PRIOR APPROVAL

☐ Are the requirements regarding inspections for damage, leakage or contamination described?

QUESTION FOR COMPLIANCE VERIFICATION AND SELF ASSESSMENT

A procedure must ensure that immediately prior to loading cargo containing DG, following requirements are complied with. This process must be described in the Operational Manual:

- Packages are undamaged and leak-proofed
- All closures (barrels, canisters, gas cylinders, etc.) secured
- Cargo and packages are appropriate and resist wind and weather
- Load-handling device corresponds to the load
- Load-handling equipment (external carriage) is functional and undamaged
- Prevention of electrostatic charge when landing or releasing the cargo

8.4 Remov	/al of Contamin	ation			CA/IN EVALUATION METHOD	
DG	CAT.GEN.MPA.200 LEGAL REFERENCE	SPA.DG.100	SPA.DG.105 and SPA.DG.110	ORO.MLR.100	ICAO TIs Part 7 Chapter 3 (IATA DGR 9.3.6.3 and 9.4.1)	
CL TOPIC  8-A9-001  ChOM ChSeqNo.	OM-A, Chapter 9.1. Information, instructions and general guidance on the transport of dangerous goods OM-A, Chapter 9.1.2 Guidance on the requirements for acceptance, labeling, handling, stowage and segregation of dangerous goods OM-A, Chapter 9.1.2.17 Removal of contamination MANUAL REFERENCE					
<u>.</u>	SCRIPTION OF ELEMENT RI	ling the remova		ion described?	?	

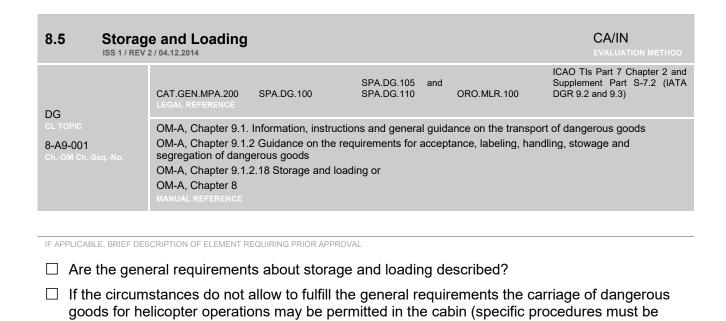
## ENTRY in the manual

The following cursive text constitutes an example of the description for this topic:

- If evidence of damage or leakage is found, the position where the DG was stowed on the aircraft must be inspected for damage or contamination and any hazardous contamination removed.
- The special responsibilities regarding infectious substances are detailed in ICAO TIs Part 7 Chapter 3.1.4.
- Any contamination resulting from the leakage of or the damage to articles or packages containing DG must be removed without delay and steps must be taken to nullify any hazard.

#### Additional entry for carriers of radioactive material

- A helicopter which has been contaminated by radioactive materials must immediately be taken
  out of service and not returned until the radiation level at any accessible surface and the nonfixed contamination are not more than the values specified in the ICAO TIs.
- In the event of non compliance with any limit in the Technical Instructions applicable to radiation level or contamination:
  - Ensure that the shipper is informed if the non-compliance is identified during transport;
  - Take immediate steps to mitigate the consequences of the non-compliance;
  - Communicate the non-compliance to the shipper and relevant competent Authority(ies), respectively, as soon as practicable and immediately whenever an emergency situation has developed or is developing;
  - Investigate the non-compliance and its causes, circumstances and consequences;
  - Take appropriate action, to remedy the causes and circumstances that led to the noncompliance and to prevent a recurrence of similar circumstances that led to the noncompliance;
  - Communicate to the relevant competent Authority(ies) on the causes of the noncompliance and on corrective or preventative actions taken or to be taken.



QUESTION FOR COMPLIANCE VERIFICATION AND SELF ASSESSMENT

described in this chapter).

#### **ENTRY** in the manual

The following cursive text constitutes an example of the description for this topic:

- When loading dangerous goods for open external carriage by a helicopter, consideration should also be given to the type of packaging used and to the protection of those packagings, where necessary, from the effect of airflow and weather (e.g. by damage from rain or snow), in addition to the general loading provisions.
- When dangerous goods are carried suspended from a helicopter, the operator must ensure that consideration is given to the dangers of static discharge upon landing or release of the load.
- When helicopters are carrying passengers, in accordance with the Supplement of Part S-7;
   2.2.4 of the Supplement, the carriage of dangerous goods is permitted either in the cabin, when those dangerous goods are associated with and accompanied by the passengers or in cargo compartments that do not meet the above mentioned requirements.
- For the transport of dangerous goods in the cabin the following factors should be considered:
- The size/mass of packages making it impractical to carry them as an external load;
- Accessibility to the packages; and
- Duration of the flight.
- The dangerous goods must comply fully with all other applicable requirements of the Technical Instructions
- The dangerous goods must be in combination packagings, if the applicable packing instruction provides for such a packing method
- The quantity per package must not exceed that permitted for transport on passenger aircraft according to Table 3-1 of the TI's.
- Specific procedures for dealing with any incidents that may occur during flight must be described in this Manual.
- Specific procedures for dealing with any incidents that may occur during flight must be described in this Manual.
- Loading on cargo aircraft (if applicable)
- Loading in cargo compartments that do not meet the requirements of Part 7;2.1.1

 Packages of DG bearing the "Cargo aircraft only" label may be carried in the cabin of a helicopter operating as a cargo aircraft. The packages must be loaded in accordance with the following provisions (description must made of the types and quantity of dangerous goods involved):

- The types of packaging used
- The duration of the flight(s)
- the types of operations and
- the ability to land quickly in the event of an emergency.
- Loading and securing
- Incompatible DG (Segregation)
  - Packages containing DG which might react dangerously one with another must not be stowed on an aircraft next to each other or in a position that would allow interaction between them in the event of leakage.
  - As a minimum, the segregation scheme shown in Table 7-1 ICAO TIs must be followed in order to maintain acceptable segregation between packages containing different DG classes. The scheme applies irrespective of whether the hazard is the primary or subsidiary risk.

# Liquid DG

 Combination packaging and overpacks bearing the package orientation label prescribed in ICAO TIs Part 5 Chapter 3 must be loaded and stowed aboard an aircraft and handled at all times in accordance with such a label.



- Single packaging containing liquid DG must be loaded and stowed aboard an aircraft with closures upwards.
- DG must be secured in the aircraft in a manner that will prevent any movement;
- The packages must be protected from being damaged, including by the movement of baggage, mail, stores or other cargo,
- Where any package loaded on an aircraft appears to be damaged or leaking, it has to be removed from the aircraft. It must be ensured that the remainder of the consignment as well as other package, baggage and cargo has not been contaminated.

	ention of Documents				CA/IN EVALUATION METHOD
DG	ORO.GEN.220 CA	T.GEN.MPA.200	SPA.DG.105 and SPA.DG.110	ORO.MLR.100	ICAO TIs Part 7 Chapter 4.11 (IATA DGR 9.8)
CL TOPIC  8-A9-001  ChOM ChSeqNo	OM-A, Chapter 9.1.2 Gu segregation of dangerou	OM –A, Chapter 9.1 Information, instructions and general guidance on the transport of dangerous goods OM-A, Chapter 9.1.2 Guidance on the requirements for acceptance, labeling, handling, stowage and segregation of dangerous goods OM-A, chapter 9.1.2.19 Retention of documents MANUAL REFERENCE			
IF APPLICABLE, BRIEF DESCRIPTION OF ELEMENT REQUIRING PRIOR APPROVAL  Have the documents which need to be stored and their storage periods been described?					

# Requirements

The following DG documents must be stored for the required period in an acceptable form and accessible to the employee or national authority:

Documents	Minimum storage period
Notification of special loads including written information to the commander about DG, DG transport documents, acceptance checklist or similar information	

# **ENTRY** in the manual

The requirements must be described.

QUESTION FOR COMPLIANCE VERIFICATION AND SELF ASSESSMENT

# 9 Provision of Information

Ch. 9 ISS 1 / REV 4 / 26.10.2017

#### 9.1 CA/IN Provision of information to personnel ISS 1 / REV 2 / 04.12.2014 CAT.GEN.MPA.200 SPA.DG.105 and ICAO TIs Part 7 Chapter 4.2 SPA.DG.100 ORO MIR 100 (d) SPA.DG.110 (IATA DGR 1.4.2) DG OM-A, Chapter 9.1. Information, instructions and general guidance on the transport of dangerous goods 9-A9-001 OM-A, Chapter 9.1.2 Guidance on the requirements for acceptance, labeling, handling, stowage and segregation of dangerous goods OM-A Chapter 9.1.2.20 Provision of information to personnel

□ Are the sources of information at the disposal of the personnel described?
 □ Is the access to these sources of information described?
 □ Is the procedure ensuring personnel are made aware of the details of short-term provisions described?
 □ When applicable, is the procedure ensuring that information is provided to ground handling agents described?

QUESTION FOR COMPLIANCE VERIFICATION AND SELF ASSESSMENT

#### REQUIREMENTS

Information must be provided to all employees to enable them to carry out their responsibilities with regard to the transport of DG.

Where applicable, this information must also be provided to ground handling agents.

Example of information (not exclusive):

- With the aim of preventing undeclared DG from being loaded on an aircraft, and preventing passengers from taking on board those DG which they are not permitted to have in their baggage:
  - c) General descriptions that are often used for items in cargo or in passengers' baggage which may contain DG;
  - d) Other indications that DG may be present (e.g. labels, markings); and
  - e) Those DG which may be carried by passengers in accordance with 8;1.1.2.

This information must be provided to all personnel involved in the transport of dangerous goods. See CL 3.4 and 6.

Instructions about the action to be taken in the event of emergencies involving DG (See CL 11).

#### **ENTRY** in the manual

The following has to be described:

- The sources of information at the disposal of the personnel (e.g. operations manual and/or others, intranet, quick reference guide);
- The procedure on how these information are provided and available to the personnel;
- The procedure ensuring personnel are made aware of the details of short-term provisions (e.g. through the issue of crew notices).

9.2					CA/IN EVALUATION METHOD	
DG		CAT.GEN.MPA.200 f) LEGAL REFERENCE	SPA.DG.100	SPA.DG.105 and SPA.DG.110	ORO.MLR.100	ICAO TIs Part 7 Chapter 5 (IATA DGR 9.5.2)
9-A9-001 ChOM ChS		OM-A, Chapter 9.1. Information, instructions and general guidance on the transport of dangerous goods OM-A, Chapter 9.1.2 Guidance on the requirements for acceptance, labeling, handling, stowage and segregation of dangerous goods OM-A, Chapter 9.1.2.21 Provision of information to passengers  MANUAL REFERENCE				
IF APPLICABLE, BRIEF DESCRIPTION OF ELEMENT REQUIRING PRIOR APPROVAL						
☐ Is the notification system to inform passengers and crew about the DG forbidden aboard an aircraft described?						
☐ Is the procedure ensuring that confirmation from passengers is sought described?						

QUESTION FOR COMPLIANCE VERIFICATION AND SELF ASSESSMENT

# **REQUIREMENTS**

Operators must inform passengers and crew about DG that they are forbidden to carry aboard helicopter.

For this purpose, operators must have a notification system in place ensuring the following:

Information to be provided at the time of ticket purchase, at check-in and in boarding areas:
 An operator must ensure that notices (including visual examples) warning passengers of the types of DG and the one which are forbidden to transport aboard an aircraft are prominently displayed.

Information provided via the internet may be in text or pictorial form.

In both cases (internet to automated check-in facility), ticket purchase and check in process must not be completed until the passenger, or a person acting on their behalf, has indicated that they have understood the restrictions on DG in baggage.

Check-in procedures

Check-in staff and any organisation or enterprise accepting excess baggage consigned as cargo, should seek confirmation from passengers that they are not carrying DG, which are not permitted (See CL 3).

#### **ENTRY** in the manual

The following has to be described:

- The means of promulgating such information to passengers (ticket, notices, internet, etc);
- The procedure ensuring that confirmation from passengers is sought.

#### 9.3 **Provision of Information at Acceptance Points for Cargo** CA/IN ISS 1 / REV 5/ 28.03.2022 CAT.GEN.MPA.200 SPA.DG.105 and ICAO TIs Part 7 Chapter 4.8 SPA.DG.100 SPA.DG.110 ORO.MLR.100 (IATA DGR 9.5.3) (g) DG OM-A, Chapter 9.1. Information, instructions and general guidance on the transport of dangerous goods 9-A9-0015 OM-A, Chapter 9.1.2 Guidance on the requirements for acceptance, labeling, handling, stowage and segregation of dangerous goods OM-A, Chapter 9.1.2.22 Provision of information at acceptance points for cargo IF APPLICABLE, BRIEF DESCRIPTION OF ELEMENT REQUIRING PRIOR APPROVAL ☐ Are the requirements about the provision of information at acceptance points for cargo described?

The following cursive text constitutes an example of the description for this topic:

Notices giving information about the transport of DG must be

- sufficient in number,
- prominently displayed and

QUESTION FOR COMPLIANCE VERIFICATION AND SELF ASSESSMENT

provided at a visible location(s) at the cargo acceptance of heliports.

to alert shippers (or any third parties) about any DG that may be contained in their cargo consignment(s).

These notices must include visual examples of DG, including batteries.

#### 9.4 Provision of Information to the Commander (NOTOC) - DG Carriers ISS 1 / REV 4 / 26.10.2017 ICAO TIs Part 7 Chapter 4.1 SPA.DG.105 and CAT.GEN.MPA.200 SPA.DG.100 ORO.MLR.100 SPA.DG.110 (IATA DGR 9.5.1.1) DG OM-A, Chapter 9.1. Information, instructions and general guidance on the transport of dangerous goods 9-A9-001 OM-A, Chapter 9.1.2 Guidance on the requirements for acceptance, labeling, handling, stowage and segregation of dangerous goods OM-A, Chapter 9.1.2.23 Provision of information to the commander (NOTOC or other form of information)

□ Are the requirements about the provision of information to the commander (or similar), described?
 □ Is the accessibility of the information contained in the NOTOC (or other form of information) until after the arrival of the flight described?

QUESTION FOR COMPLIANCE VERIFICATION AND SELF ASSESSMENT

#### What has to be done?

For those DG, for which a DG transport document (or other form of information) is required, the commander of an aircraft carrying such goods must be provided, as early as practicable before departure of the aircraft, with information about:

- the DG to be carried by helicopter, including information about DG loaded at a previous departure point and which are to be carried on the subsequent flight as well as
- the information that can be used on board to plan the response to an in-flight emergency involving DG.

The information must be accurate, legible written or printed and readily available to the pilot in command during flight.

Where circumstances make it impractical to produce written or printed information or to use a dedicated form, the notification to the pilot in command may be abbreviated or be by other means (e.g. radio communication, as part of the working flight documentation such as a journey log or operational flight plan etc.). The information should provide at least the classification and if possible the quantity of dangerous goods.

# Examples:

- When the helicopter does not land in order to pick up the DG such that it is not possible to provide written information at the location.
- Where the helicopter is in-flight and the planned load is changed prior to being picked up without the helicopter landing.
- When short, repetitive flights or a series of flights from different locations are undertaken by a helicopter where it is impractical to provide separate written information for each flight.
- Where dangerous goods are picked up from an un-manned site.

# Availability of the information on the ground

A legible copy of the information provided to the pilot-in-command must be retained on the ground and must be readily accessible to the flight operations officer, flight dispatcher, or designated ground personnel responsible for flight operations until after the arrival of the flight.

## **ENTRY** in the manual

The requirements how to provide the information to the pilot must be described.

In this regard, it should also be established how accessibility of NOTOCs (or other form of information) on the ground for the duration of flight is to be achieved.

# 10 Reporting

Ch. 10 ISS 1 / REV 2 / 04.12.2014

10.1 Genera	<b>al</b> 2 / 04.12.2014				EVALUATION METHOD
DG	CAT.GEN.MPA.200 (e) LEGAL REFERENCE	SPA.DG.100	SPA.DG.105 and SPA.DG.110	ORO.MLR.100	ICAO TIs Part 7 Chapter 4.4, 4.5, 4.6 (IATA DGR 9.6)
CL TOPIC  10-A9-003  ChOM ChSeqNo.		3 Special notification in the being carried			t of dangerous goods or occurrence when

IF APPLICABLE, BRIEF DESCRIPTION OF ELEMENT REQUIRING PRIOR APPROVAL

QUESTION FOR COMPLIANCE VERIFICATION AND SELF ASSESSMENT

# There are two possible ways of describing this topic in the OM-A:

- Description in OM-A, Chapter 9.XX Reporting
  with a reference to this chapter in OM-A Chapter 11 Handling, notifying and reporting accidents,
  incidents and occurrences or
- 2. Description in OM-A, Chapter 11 Handling, notifying and reporting accidents, incidents and occurrences with a reference to this chapter in Chapter 9.XX Reporting

10.2	_	table Occurrence	ces			CC/IN EVALUATION METHOD
DG		CAT.GEN.MPA.200 e) LEGAL REFERENCE	SPA.DG.100	SPA.DG.105 and SPA.DG.110	ORO.MLR.100	ICAO TIs Part 7 Chapter 4.4, 4.5, 4.6 (IATA DGR 9.6)
CL TOPIC 10-A9-003 ChOM ChS	eqNo.	OM-A, Chapter 9.1. Information, instructions and general guidance on the transport of dangerous goods OM-A, Chapter 9.1.3 Special notification requirements in the event of an accident or occurrence when dangerous goods are being carried OM-A, Chapter 9.1.3.2 Reportable occurrences  MANUAL REFERENCE				
IF APPLICABLE, BRIEF DESCRIPTION OF ELEMENT REQUIRING PRIOR APPROVAL  Are the reportable occurrences defined?						
☐ Are the reportable occurrences defined?						

# **REQUIREMENTS**

The reporting of the following events must be ensured:

QUESTION FOR COMPLIANCE VERIFICATION AND SELF ASSESSMENT

- Any type of DG incident or accident, irrespective of whether the DG are contained in cargo, passengers' baggage or crew baggage.
  - This includes incidents involving DG that are not subject to all or part of the ICAO TIs through the application of an exception or of a special provision;
- The finding of undeclared or misdeclared DG discovered in cargo;
- The finding in passengers' or crew baggage of DG not permitted under ICAO TIs Part 8; Chapter 1.1. (See Ch. 3.4).

## **ENTRY** in the manual

The requirements must be described.

10.3	-	ing Procedure 5 / 28.03.2022				CC/IN EVALUATION METHOD
DG		CAT.GEN.MPA.200 e) LEGAL REFERENCE	SPA.DG.100	SPA.DG.105	ORO.MLR.100	ICAO TIs Part 7 Chapter 4.4, 4.5, 4.6 (IATA DGR 9.6)
CL TOPIC 10-A9-003 ChOM ChS	eqNo.	OM-A, Chapter 9.1. Information, instructions and general guidance on the transport of dangerous goods OM-A, Chapter 9.1.3 Special notification requirements in the event of an accident or occurrence when dangerous goods are being carried OM-A, Chapter 9.1.3.3 Reporting procedure  MANUAL REFERENCE				
IF APPLICABLE, BRIEF DESCRIPTION OF ELEMENT REQUIRING PRIOR APPROVAL						
☐ Is there a comprehensive reporting procedure defined?						
QUESTION FO	QUESTION FOR COMPLIANCE VERIFICATION AND SELF ASSESSMENT					

#### **REQUIREMENTS**

	Report must be ser	Report must be sent to the appropriate authority of			
	The State of the Operator:	The State where the event occurred			
DG incidents and accidents	✓	✓			
Undeclared or misdeclared DG discovered in cargo or in passenger's baggage after check-in	✓	<b>√</b>			
DG occurrences	✓				

- The reporting address is: <a href="https://www.aviationreporting.eu">www.aviationreporting.eu</a>
- The first report shall be dispatched within 72 hours of the event unless exceptional circumstances prevent this.
- It may be sent by any means, including e-mail, telephone or fax. If a report has been made verbally, written confirmation shall be sent as soon as possible.
- This report shall include the details that are known at that time. If necessary, a subsequent report shall be made as soon as possible, giving all the details that were not known at the time the first report was sent.

## **ENTRY** in the manual

The procedure ensuring the fulfillment of the above mentioned requirements must be described.

	nt of the Reports	<b>,</b>			CA EVALUATION METHOD
DG	CAT.GEN.MPA.200 e) LEGAL REFERENCE	SPA.DG.100	SPA.DG.105	ORO.MLR.100	ICAO TIs Part 7 Chapter 4.4, 4.5, 4.6 (IATA DGR 9.6 + Figure 9.6.A)
CL TOPIC  10-A9-003 ChOM ChSeqNo.	OM-A, Chapter 9.1. Ir OM-A, Chapter 9.1.3 dangerous goods are OM-A, Chapter 9.1.3. MANUAL REFERENCE	Special notification re being carried	equirements in the e	•	• •

IF APPLICABLE, BRIEF DESCRIPTION OF ELEMENT REQUIRING PRIOR APPROVAL

☐ Is the required content of a dangerous goods report described (may be by means of an attached occurrence report form?

QUESTION FOR COMPLIANCE VERIFICATION AND SELF ASSESSMENT

## REQUIREMENTS

The first report and any subsequent report shall be as precise as possible and contain the following data if relevant:

- Date of the incident or accident or the finding of undeclared or misdeclared DG;
- b) Location, the flight number and flight date;
- c) Description of the goods and the reference number of the air waybill, pouch, baggage tag, ticket, etc;
- d) Proper shipping name (including the technical name, if appropriate) and UN/ID number, when known:
- e) Class or division and any subsidiary risk;
- f) Type of packaging, and the packaging specification marking on it;
- g) Quantity;
- h) Name and address of the shipper, passenger, etc.;
- i) Any other relevant details;
- j) Suspected cause of the incident or accident;
- k) Action taken;
- I) Any other reporting action taken; and
- m) Name, title, address and telephone number of the person making the report.

Copies of relevant documents and any photographs taken should be attached to a report.

# 11 Emergency Response

Ch. 11 ISS 1 / REV 4 / 26.10.2017

#### 11.1 **Emergency Response Information to Flight Crew** CA/IN ISS 1 / REV 4 / 26.10.2017 Annex 18 Ch. 9.2 und 9.4; ICAO SPA.DG.105 and TIs Part 7 Chapter 4.9 (IATA CAT.GEN.MPA.200 ORO.MLR.100 SPA.DG.100 SPA.DG.110 DGR 9.5.1.2) DG OM-A, Chapter 9.1. Information, instructions and general guidance on the transport of dangerous goods 11-A9-004 OM-A, Chapter 9.1.4 Procedures for responding to emergency situations involving dangerous goods OM-A, Chapter 9.1.4.1 Emergency response information to flight crew

□ Are the emergency response information described?
 □ Is the procedure ensuring the availability of the emergency response information to flight crew during flight described?

QUESTION FOR COMPLIANCE VERIFICATION AND SELF ASSESSMENT

It must to be ensured, that for consignments for which a DG transport document (or similar information) is required by the ICAO TIs, appropriate information is immediately available at all times for use in emergency response to accidents and incidents involving DG in air transport or (if no DG is involved) when DG are being carried.

#### **ENTRY** in the manual

The emergency response information as well as the procedure ensuring their availability to flight crew during flight must be described.

The information can be provided by:

- the ICAO document Emergency Response Guidance for Aircraft Incidents Involving Dangerous Goods (Doc 9481); or
- any other document which provides similar information concerning the DG on board.

This requirement is only mandatory for DG Carriers, but highly recommended by FOCA to Non DG Carriers.

#### 11.2 Information by the Operator in the Event of a Helicopter Incident or **Accident –DG Carriers** CC ISS 1 / REV 2 / 04.12.2014 SPA.DG.105 and ICAO TIs Part 7 Chapter 4.7 CAT.GEN.MPA.200 SPA.DG.100 SPA.DG.110 ORO.MLR.100 (IATA DGR 9.6.3) DG OM-A, Chapter 9.1. Information, instructions and general guidance on the transport of dangerous goods 11-A9-001 OM-A, Chapter 9.1.4 Procedures for responding to emergency situations involving dangerous goods OM-A, Chapter 9.1.4.2 Information to be provided by the operator in the event of an helicopter incident or accident

IF APPLICABLE, BRIEF DESCRIPTION OF ELEMENT REQUIRING PRIOR APPROVAL

Are the requirements regarding the information to provide to emergency services and FOCA in case of accidents or serious incidents described?

☐ Are the manuals and/or emergency plans containing the description of the required procedure mentioned?

QUESTION FOR COMPLIANCE VERIFICATION AND SELF ASSESSMENT

#### **REQUIREMENTS**

In the event of an aircraft accident or a serious incident where DG carried as cargo may be involved, information about the DG on board, as shown on the copy of the NOTOC (or similar information), must be provided

- without delay, to emergency services responding to the accident or serious incident;
- as soon as possible, to FOCA and to the appropriate authority of the State in which the accident or serious incident occurred;

If requested, the same requirement applies in the event of a non serious incident.

The terms "accident", "serious incident" and "incident" are defined in Annex 13.

Procedures shall be included in appropriate manuals and accident contingency plans (emergency response plan) to enable this information to be provided.

## **ENTRY** in the manual

- The requirements must be described;
- In this regard, it should be mentioned where exactly the required procedures have been described.

#### 11.3 Information by the Pilot in Command in the Event of a Helicopter Incident or Accident - DG Carriers CA/IN ISS 1 / REV 2 / 04.12.2014 SPA.DG.105 and ICAO TIs Part 7 Chapter 4.3 CAT.GEN.MPA.200 SPA.DG.100 SPA.DG.110 ORO.MLR.100 (IATA DGR 9.5.1.3) DG OM-A, Chapter 9.1. Information, instructions and general guidance on the transport of dangerous goods 11-A9-001 OM-A, Chapter 9.1.4 Procedures for responding to emergency situations involving dangerous goods OM-A, Chapter 9.1.4.3 Information to be provided by the pilot-in-command in the event of an in-flight emergency

IF APPLICABLE, BRIEF DESCRIPTION OF ELEMENT REQUIRING PRIOR APPROVAL

Are the requirements regarding the information to be provided by the pilot-in-command in the event of an in-flight emergency described?

QUESTION FOR COMPLIANCE VERIFICATION AND SELF ASSESSMENT

# **REQUIREMENTS**

In the event of an in-flight emergency, the pilot-in-command must, as soon as the situation permits, inform the appropriate air traffic services unit, for the information of aerodrome authorities, of any DG carried as cargo on board an aircraft.

Wherever possible, this information should include

- the proper shipping name and/or
- the UN number.
- the class/division,
- for Class 1, the compatibility group,
- any identified subsidiary risk(s),
- the quantity and
- the location on board the aircraft or a telephone number where a copy of the information provided to the pilot-in-command can be obtained.

When it is not considered possible to include all the information,

- the most relevant information in the circumstances or
- a summary of the quantities and class (or division) of DG in each cargo compartment should be given.

#### **ENTRY** in the manual

The requirements must be described.

# 12 Duties of all Personnel Involved

Ch. 12 ISS 1 / REV 5 / 28.03.2022

	 of all Personne	el Involved -	DG Carriers		CC/IN EVALUATION METHOD
DG CL TOPIC	CAT.GEN.MPA.200 LEGAL REFERENCE	SPA.DG.100	SPA.DG.105	ORO.MLR.100	
12-A9-005 ChOM ChSeq	OM-A, Chapter 9.1. OM-A, Chapter 9.1. MANUAL REFERENCE			idance on the transport	of dangerous goods

F APPLICABLE, BRIEF DESCRIPTION OF ELEMENT REQUIRING PRIOR APPROVAL			
☐ Are the duties of all pe	ersonnel involved assigned and described?		
☐ If applicable, is there a	a statement about the delegation of functions to third companies?		

QUESTION FOR COMPLIANCE VERIFICATION AND SELF ASSESSMENT

- The key responsibilities and duties associated with the transport of DG:
  - are always to be fulfilled in accordance with the operator's policy and the current regulations;
  - need to be assigned and described in the operations manual.
- If applicable: the functions, which have been delegated to third companies, need to be stated.

Example of the assignment and description of key responsibilities and duties associated with the transport of DG:

Personnel involved	Key responsibilities and duties
Person nominated as operational point of contact for DG (operational management)	<ul> <li>Oversight and control of the processing of DG;</li> <li>Ensuring all necessary permissions, approvals and exemptions are held;</li> <li>Generating (or acceptance) of relevant procedures;</li> <li>Responding to queries regarding the carriage of DG.</li> </ul>
Nominated person crew training	<ul> <li>Shall ensure that</li> <li>all personnel (incl. instructors and assessors) identified during the "training needs analysis" (see Ch. 15) are competent to perfom their duties;</li> <li>qualification of the personnel is verified prior to the personnel performing any DG related duty</li> <li>Training programmes are approved by the authority;</li> </ul>
Compliance Monitoring Manager / Quality Auditors	<ul> <li>Establishment and operation of the Quality System to monitor compliance monitoring system with procedures for DG, provision of DG training, etc.;</li> <li>Gathering and assessment of details about DG incidents, accidents, occurrences and the discovery of undeclared DG within the accident</li> </ul>

Reservations staff /	•	Ensuring that information is provided to the passenger with the ticket or in another manner, such that the passenger receives the information prior to or during the check-in process;
	•	Considering passenger requests for approval of the operator for items of DG requiring such approval. (see 3.4 of this CL "DG that may be carried by passenger and crew").

Personnel involved	Key responsibilities and duties
Staff accepting cargo other than DG	Recognition of undeclared DG and the seeking of confirmation from the shipper about the content of any item/package when DG is suspected.
Staff accepting DG	Carrying out the acceptance procedures;
	Provision to the commander for signature of written information about DG loaded on board (NOTOC or other form of information);
	Retention of documentation on the ground;
	<ul> <li>Reporting of DG incidents, accidents and occurrences (incl. undeclared DG) to the appropriate authorities.</li> </ul>
Staff involved in the handling,	Recognition of undeclared DG;
storage and loading of cargo and baggage incl. DG (task	Inspection during the processing of DG for transport;
specialist)	Dealing with DG that are found damaged or leaking during processing for transport;
	Loading, segregation, stowage and securing of DG;
	Reporting of DG incidents and accidents (incl. undeclared DG) to the appropriate authorities.
Passenger-handling staff (see also Reservations staff)	Ensuring that notices are displayed in sufficient number and prominence at each of the places at an airport where tickets are issued, passengers checked in and in aircraft boarding areas, as well as at any other location where passengers are checked in;
	Ensuring that the provisions concerning passengers and DG are complied with;
	<ul> <li>Recognition of undeclared DG and the seeking of confirmation from the passenger about the content of any item/baggage when DG is suspected;</li> </ul>
	Ensuring that the discovery of prohibited DG after check-in is reported to the appropriate authority.
Operations Personnel	Personnel to be supplied with the same information that must be provided to the pilot-in-command
	In case of an aircraft incident or accident:
	- Providing of information to emergency services and state authorities;
	- Reporting to the appropriate authorities.
Flight Crew	Taking note of NOTOC (or other form of information) and confirming its receipt;
	Responding to a DG incident or accident;
	If an in-flight emergency occurs, as soon as the situation permits, providing of details of DG on board to the appropriate Air Traffic Services Unit;
	See also CAT.GEN.MPA.100 and Art. 3 and 13 Ordinance SR 748.225.1 (Verordnung vom 22.01.1960 über die Rechte und Pflichten des Kommandanten eines Luftfahrzeuges).

Persons undertaking the responsibility of shippers	Preparation of DG COMAT shipments.
Personnel involved in DG training and assessment	Personnel involved in one or several tasks related to the establishing and maintening of the DG training programme (See Ch. 15)
DG instructors and assessors	Conducting of DG training and/or assessment
Other personnel	Identified upon the "training needs analysis" required in relation with the DG CBTA programme (see Ch. 15)

	12.2 Duties of all Personnel Involved - Non DG Carriers  ISS 1 / REV 5 / 28.03.2022 EVALUATION ME		
DG CL TOPIC	CAT.GEN.MPA.200 ORO.MLR.100 LEGAL REFERENCE		
12-A9-005 ChOM ChSeqNo.	OM-A, Chapter 9.1. Information, instructions and general guidance on the transport of dang OM-A, Chapter 9.1.5 Duties of all personnel involved MANUAL REFERENCE	gerous goods	

IF APPLICABLE, BRIEF DESCRIPTION OF ELEMENT REQUIRING PRIOR APPROVAL
☐ Are the duties of all personnel involved assigned and described?
☐ Are the duties of all personner involved assigned and described?
☐ If applicable, is there a statement about the delegation of functions to third parties?
QUESTION FOR COMPLIANCE VERIFICATION AND SELF ASSESSMENT

The key responsibilities and duties associated with DG:

- are always to be fulfilled in accordance with the operator's policy and the current regulations;
- need to be assigned and described in the operations manual;

If applicable: the functions, which have been delegated to third parties, need to be stated.

Example of the assignment and description of key responsibilities and duties associated with the carriage of DG:

Personnel involved	Key responsibilities and duties
Person nominated as operational point of contact for DG	Responding to queries regarding the carriage of DG.
Nominated person crew training	<ul> <li>Ensuring that:</li> <li>all personnel (incl. instructors and assessors) identified during the "training needs analysis" (see Ch. 15) are competent to perform their duties;</li> <li>qualification of the personnel is verified prior to the personnel performing any DG related duty</li> <li>DG training programmes are approved by the authority;</li> </ul>
Compliance Monitoring Manager / Auditors and Inspectors	Establishment and operation of the Quality System to monitor compliance monitoring system with procedures for DG, provision of DG training, etc.;
Safety Manager	Gathering and assessment of details about DG incidents, accident, occurrences and the discovery of undeclared DG within the accident prevention and flight safety programme.
Reservations staff (passenger booking) (see also Passenger-handling staff)	<ul> <li>Ensuring that information is provided to the passenger with the ticket or in another manner such that prior to or during the check-in process the passenger receives the information;</li> <li>Considering passenger requests for approval of the operator for items of DG requiring such approval. (see 3.4 of this CL "DG that may be carried by passenger and crew").</li> </ul>
Staff accepting cargo, other than DG	Recognition of undeclared DG and, when necessary, the seeking of confirmation from a shipper about the content of any item where there are suspicions that it may contain DG.

Staff involved in the handling, storage and loading of cargo and baggage	<ul> <li>Recognition of undeclared DG;</li> <li>Reporting of DG incidents and accidents (incl. undeclared DG) to the appropriate authorities.</li> </ul>	
Passenger-handling staff	Ensuring that notices are displayed in sufficient number and prominence at each of the places at an airport where tickets are issued, passengers checked in and in aircraft boarding areas, as well as at any other location where passengers are checked in;	
	<ul> <li>Ensuring that the provisions concerning passengers and DG are complied with;</li> </ul>	
	<ul> <li>Recognition of undeclared DG and the seeking of confirmation from the passenger about the content of any item/baggage when DG is suspected;</li> <li>Ensuring that the discovery of prohibited DG after check-in is reported to the appropriate authority.</li> </ul>	
Flight Crew	Responding to a DG incident or accident;	
	See also CAT.GEN.MPA.100 and Art. 3 and 13 Ordinance SR 748.225.1 (Verordnung vom 22.01.1960 über die Rechte und Pflichten des Kommandanten eines Luftfahrzeuges).	
Personnel involved in DG training and assessment	Personnel involved in one or several tasks related to the establishing and maintening of the DG training programme (See Ch. 15)	
DG instructors and assessors	Conducting of DG training and/or assessment	
Other personnel	Identified upon the training needs analysis required in relation with the DG CBTA programme (see Ch. 15)	

# **ENTRY** in the manual

Definition and description of all key responsibilities and duties of the personnel involved.

# 13 Carriage of the Operator's Personnel on Cargo Aircraft

Ch. 13 ISS 1 / REV 5 / 28.03.2022

	ge of the Opera 4 / 26.10.2017	itor's Person	nel on Cargo A	Aircraft	CA/IN EVALUATION METHOD
DG	CAT.GEN.MPA.200 LEGAL REFERENCE	SPA.DG.100	SPA.DG.105	SPA.DG.110	AMC3 ORO.MLR.100, A 9.1 f)
CL TOPIC 13-A9-006 ChOM ChSeqNo.	OM-A, Chapter 9.1. Information, instructions and general guidance on the transport of dangerous goods OM-A, Chapter 9.1.6 Instructions on the carriage of the operator's personnel on cargo aircraft when dangerous goods are being carried  MANUAL REFERENCE				
IF APPLICABLE, BRIEF DES	SCRIPTION OF ELEMENT R	EQUIRING PRIOR APP	ROVAL		

☐ The instructions on the carriage of the operator's personnel (e.g. task specialist) on an all cargo flight described?

QUESTION FOR COMPLIANCE VERIFICATION AND SELF ASSESSMENT

## **ENTRY** in the manual

The following cursive text constitutes an example of the description for this topic:

When a helicopter is carrying DG which can only be carried by open external carriage or in a separate cargo compartment, additionnel personnel can also be carried, provided they are in an official duty. This additionnel personnel must have tasks in connection with the preparation or undertaking of the flight or on the ground once the aircraft has landed.

# 14 Weapons and Munitions

Ch. 14 ISS 1 / REV 4 / 26.10.2017

14.1 Weapons and Munitions of War  ISS 1 / REV 4 / 26.10.2017				CC EVALUATION METHOD		
DG CL TOPIC		CAT.GEN.MPA.155 LEGAL REFERENCE	CAT.GEN.MPA.200	SPA.DG.100	SPA.DG.105	ORO.MLR.100
14-A9-002 ChOM Ch9		OM-A, Chapter 9.2 Weapons, munitions of war and sporting weapons OM-A, Chapter 9.2.1 Weapons and munitions of war MANUAL REFERENCE				
IF APPLICABLE, BRIEF DESCRIPTION OF ELEMENT REQUIRING PRIOR APPROVAL						
$\square$ Is the legal basis for the transport of weapons and munitions of war described?						
$\ \square$ Are the requirements for the transport of weapons and munitions of war described?						

QUESTION FOR COMPLIANCE VERIFICATION AND SELF ASSESSMENT

#### **ENTRY** in the manual

The following cursive text constitutes an example of the description for this topic:

War material, weapons and munitions may only be transported in accordance with CAT.GEN.MPA.155 and the regulations of the Swiss federal law on war material (SR 514.51). Requested approvals have to be checked by all the States concerned before a flight.

Add on for DG Carriers only:

When war material, weapons and munitions are transported, they must be:

- stowed in the aircraft in a place that is inaccessible to passengers during flight; and
- in the case of firearms, unloaded.

In exceptional circumstances weapons and munitions of war may be carried other than in an inaccessible place on the aircraft and may be loaded, provided an approval to do so has been granted by all the States concerned before the flight.

Before a flight begins, the commander must be notified of the details and location on board the aircraft of any weapons of war and munitions of war intended to be carried.

_	ng Weapons and Ammu	nition		CC EVALUATION METHOD
DG CL TOPIC	CAT.GEN.MPA.160 CAT.GEN.M LEGAL REFERENCE	SPA.DG.100 and PA.200 SPA.DG.105	ORO.MLR.100	ICAO TIs Part 8 Ch. 1.1.2 14) (IATA DGR 2.3.2.1)
14-A9-002 ChOM ChSeqNo.	OM-A, Chapter 9.2 Weapons, mo OM-A, Chapter 9.2.2 Sporting W MANUAL REFERENCE		g weapons	
IF APPLICABLE, BRIEF DESCRIPTION OF ELEMENT REQUIRING PRIOR APPROVAL				
☐ Are the requirements for cargo shipments of ammunition described?				
☐ Are the requirements for the transport of sporting weapons and ammunition in passenger baggage described?				
☐ Are the requirements about the acceptance of weapons described?				

QUESTION FOR COMPLIANCE VERIFICATION AND SELF ASSESSMENT

## **ENTRY** in the manual

The following cursive text constitutes an example of the description for this topic in the OM-A:

- Cargo Shipments of ammunition have to be transported in full compliance with the ICAO TIs.
- Add on for Non DG Carriers: ...and must therefore not be transported onboard our aircraft.
- Sporting Weapons and ammunition in passenger baggage:
  - Ammunition are subject to the provisions of ICAO TIs Part 8 Chapter 1.1.2 14) (see OM-A Chapter 9.1.2.4 Dangerous goods that may be carried by passengers and crew);
  - Weapons and ammunition must be transported as follows:
    - Any sporting weapons intended to be carried by air must be reported to the operator.
    - The weapons must be stowed in the aircraft in a place that is inaccessible to passengers during flight; and in the case of firearms or other weapons that can contain ammunition, unloaded.

Acceptance of weapons (incl. weapons of bodyguards): see OM-A Chapter 10 (Security). The flight personnel is not allowed to carry private weapons while on duty.

# 14.3 Carriage of Sporting Weapons and Ammunition other than in an Inaccessible Location ISS 1 / REV 2 / 04.12.2014 CC EVALUATION METHOD EC Regulation No. 300/2008 for all other helicopters LEGAL REFERENCE OM-A Chapter 9.2 Weapons, munitions of war and sporting weapons OM-A Chapter 9.2.3 Sporting Weapons and Ammunition other than in an inaccessible location (for helicopters with a maximum certified take-off mass (MCTOM) not exceeding 3,175 kg MANUAL REFERENCE

IF APPLICABLE, BRIEF DESCRIPTION OF ELEMENT REQUIRING PRIOR APPROVAL

Are the requirements for the transport of sporting weapons and ammunition other than in an inaccessible location described?

QUESTION FOR COMPLIANCE VERIFICATION AND SELF ASSESSMENT

Procedures for the carriage of sporting weapons may need to be considered if the helicopter does not have a separate compartement in which the weapons can be stowed. These procedures should take into account the nature of the flight, its origin and destination, and the possibility of unlawful interference.

## **ENTRY** in the manual

The following cursive text constitutes an example of the description for this topic in the OM-A:

 If the helicopter does not have a separate compartement in which the weapons can be stowed, the weapons and ammunition should be stowed in the aircraft in a place that is not immediately accessible to passengers during flight, e.g. in locked boxes, in checked baggage that is stowed under other baggage or under fixed netting.

DG Helicopter FOCA GM/INFO

# 15

**Training**Ch. 15 ISS 1 / REV 5/ 28.03.2022

	aining	2 / REV 3 / 28.03.2022				M/CC EVALUATION METHOD
DG		ORO.GEN.110 (j)	CAT.GEN.MPA.200	SPA.DG.105	ORO.MLR.100	ICAO TIs Part 7 Ch. 4.10 + Part 1 Ch. 4 (IATA DGR 1.5)
CL TOPIC		OATr Art. 16c				
15-D-010						
CL ChOM ChSeq	ąNo.	OM-D and other	appropriate manua	ls (if applicabl	e)	
APP: Appro	val for	establishing and	maintaining staff tra	ining program	me in accordanc	ce with the ICAO TIs
IF APPLICABLE, BR	RIEF DESCR	RIPTION OF ELEMENT REC	QUIRING PRIOR APPROVAL			
☐ Has a DG CBTA programme been established?						
☐ Has the DG CBTA programme been approved by FOCA?						
☐ Has a procedure for the maintaining the DG CBTA programme been foreseen?						

# Requirements:

Information on how to implement the training provisions and to obtain the required approvals can be found on FOCA Website under <a href="Dangerous Goods: Training (admin.ch">Dangerous Goods: Training (admin.ch)</a>

Total Resolution of Decaments					CA/IN EVALUATION METHOD
DG CL TOPIC	ORO.GEN.220 LEGAL REFERENCE	CAT.GEN.MPA.200	SPA.DG.105 and SPA.DG.110	ORO.MLR.100	ICAO TIs Part 7 Chapter 4.11 (IATA DGR 9.8)
15-D4-005 ChOM ChSeqNo.	OM-D 2.4.1 "Retent	tion of training docume	ents"		

IF APPLICABLE, BRIEF DESCRIPTION OF ELEMENT REQUIRING PRIOR APPROVAL

☐ Have the documents and information which need to be stored and their storage periods been described?

QUESTION FOR COMPLIANCE VERIFICATION AND SELF ASSESSMENT

# **REQUIREMENTS**

The following DG documents must be stored for the required period in an acceptable form and accessible to the employee or national authority:

Documents	Minimum storage period
<ul> <li>any DG transport documents,</li> <li>acceptance checklist (when this is in a form which requires completion),</li> <li>the identification of the person who performed the acceptance check, and</li> <li>if available: the written information to the commander about DG</li> </ul>	3 months after completion of the flight. Until the goods have reached their final destination, these documents must be accessible within a reasonable period of time.
DG training records (content: see CL 15.3)	3 years

# **ENTRY** in the manual

The requirements must be described.