

# SBB Cargo International AG

## Guideline hazardous goods carriage



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## Change log

Please refer to the change log in «Cargo Compass»

## Release Workflow

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## Scope of validity

This document applies to:

SBB CINT

## Scope of application

This document is to be used in/for:

All

## SMS Relevancy

This document is relevant to the SMS for the following RU:

SBB IN: No

SBB CD No

SBB CI No

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## 1 Abstract

This guideline governing the carriage of hazardous goods. It is mandatory for those parties transporting hazardous goods with SBB Cargo International and subsidiaries the company's General Terms and Conditions.

## 2 Scope and conditions

### Principle:

The present national and international guidelines concerning the carriage of hazardous goods on railways need to be applied. These are exempli gratia the Gütertransportgesetz (GüTG) in Switzerland, Gefahrgutbeförderungsgesetz (GGBefG) in Germany, Wet vervoer gevaarlijke stoffen (WvGS) in the Netherlands and the overarching regulation concerning the International Carriage of Dangerous Goods by Rail (RID).

### Commercial issues:

Dangerous goods will only be accepted or handed over if this is regulated in writing between the parties involved. The consignor and consignee are obliged to observe the security and care obligations. For the transport itself, collection or provision must be agreed.

When concluding a commercial contract with SBB Cargo International AG, the customer must name the relevant internal body or person relevant to RID topics.

### Responsible person for RID at SBB Cargo International AG:

Roland Dürig / Official dangerous goods safety advisor Switzerland

[roland.duerig@sbbcargoint.com](mailto:roland.duerig@sbbcargoint.com)

### Responsible person for RID at SBB Cargo Deutschland GmbH:

Sebastian Dockweiler / Official dangerous goods safety advisor

[sebastian.dockweiler@sbbcargoint.com](mailto:sebastian.dockweiler@sbbcargoint.com)

### Responsible person for RID at SBB Cargo Italia S.r.l.

Marco Terranova/ Managing Director SBB CI (ad interim)

[marco.terranova@sbbcargoint.com](mailto:marco.terranova@sbbcargoint.com)

### Security obligations:

The security obligations of all parties involved in the transport chain in accordance with RID 1.4, as well as further national requirements apply. The specific responsibilities are clearly regulated there.

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The present guidelines are valid for the client, loader, unloader, or filler of transports/loading units on the European railway networks.

**According to RID 1.4.2.2, SBB Cargo International AG is a carrier, which means that it exclusively assumes the obligations of the carrier.**

SBB Cargo International AG's transport services do not include the manufacture, loading, filling, reloading, unloading, or emptying of RID goods.

#### Acceptance of dangerous goods:

In accordance with RID 1.4.2.2.1, SBB Cargo International AG carries out the corresponding visual checks at the point of departure of the dangerous goods. Dangerous goods that do not meet these criteria will not be accepted for transport and rejected.

#### Deviations during carriage:

If deviations from the requirements of the RID are detected during transport, SBB Cargo International AG reserves the right to incur any costs arising in connection with operational impairments or restoration of the compliant condition, to the responsible customer.

### 3 Exclusion from carriage and customer inquiries

SBB Cargo International AG excludes the following UN numbers or classes from carriage:

UN-Number	Class	Meaning	Information
0020	1	Explosive substances and articles	Classification code 1.2K
0021			Classification code 1.3K
0074, 0113, 0114, 0129, 0130, 0135, 0224, 0473			Classification code 1.1A
1005	2	Gases	NL: prohibited
1017			CH: <i>Loaded tank wagons / loading units</i> only Domo Brig allowed (SBB Cargo AG Treno Sempione), <i>Empty tank wagons / loading units (empty, uncleaned) may run without restrictions</i> DE: allowed NL: prohibited IT: on request

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UN-Number	Class	Meaning	Information
2186, 2421, 2455			
3097, 3231, 3232, 3233, 3234, 3235, 3236, 3237, 3238, 3239, 3240, 3533, 3534	4.1	Flammable solids	
3127, 3255	4.2	Substances liable to spontaneous combustion	
3133	4.3	Substances which, in contact with water, emit flammable gases	
3100, 3121, 3137	5.1	Oxidizing substances	
3111, 3112, 3113, 3114, 3116, 3117, 3118, 3119, 3120	5.2	Organic peroxides	
2249	6.1	Toxic substances	
All UN-Numbers	6.2	Infectious substances	
All UN-Numbers	7	Radioactive material	
1798	8	Corrosive substances	Cf. RID 2.2.8.2.2
1829			

In addition, the products in accordance with 1.1.4.4.1 RID are not accepted for piggyback transport.

**Customer inquiries about RID goods:**

Requests from customers must always contain the corresponding UN-number in accordance with Table A RID 3.2. If an UN-number has more than one position, it shall be specified exactly which position it is. Example: UN 1950

UN-Nummer	Benennung und Beschreibung	Klasse	Klassifizierungsgruppe	Verpackungsgruppe	Gefahrzeitel	Sondervorschriften	Begrenzte und freigestellte Mengen		Verpackungen			ortsbewegliche Tanks und Schutzgut-Container		RID-Tanks		Beförderungskategorie	Sondervorschriften für die Beförderung			Expressgut	Nummer zur Kennzeichnung der Gefahr
							(7a)	(7b)	Anweisungen	Sondervorschriften	Zusammenpackung	Anweisungen	Sondervorschriften	Tankcodierung	Sondervorschriften		Versandstücke	lose Schüttung	Be- und Entladung, Handhabung		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1(c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3	
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1950	DRUCKGASPACKUNGEN, entzündbar, ätzend	2	5FC		2.1+8	190 327 344 625	1 L	E0	P207 PP87 RR6 L2 LP200	MP9					1	W14			CW9 CW12	CE2	238
1950	DRUCKGASPACKUNGEN, oxidierend	2	5O		2.2+5.1	190 327 344 625	1 L	E0	P207 PP87 RR6 L2 LP200	MP9					3	W14			CW9 CW12	CE2	25
1950	DRUCKGASPACKUNGEN, giftig	2	5T		2.2+ 6.1	190 327 344 625	120 ml	E0	P207 PP87 RR6 L2 LP200	MP9					1	W14			CW9 CW12 CW28		26

**Important:** Waste certificates or safety data sheets are not accepted as transport documents.

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## 4 General information in the transport document

The dangerous goods data must be provided to SBB Cargo International AG before departure of the train. SBB Cargo International AG must be able to electronically record the data and carry out the departure control before departure of the train (wagon list with the loaded RID goods / electronic shipment data transmission).

The hazardous goods information must comply with the requirements of RID 5.4.1. It is the responsibility of the customer to transmit the corresponding data contents to SBB Cargo International AG in accordance with RID 5.4.1.

The hazardous goods specifications for full transport:

*Example: UN 1098 ALLYL ALCOHOL, 6.1 (3), PG I, 3 x barrels, 600 kg*

### 4.1 Basic information

Reference (RID)	Content
5.4.1.1.1 j	Hazard identification number (for shipments according to RID 5.3.2.1.1, such as tank wagons, tank containers, etc.)
5.4.1.1.1 a	UN-number prefixed with the letters "UN"
5.4.1.1.1 b	Official designation (RID 3.1.2.8.1) for carriage, if applicable supplemented by the technical designation (N.A.G./N.O.S) in brackets (RID 3.1.2.8.1.1)
5.4.1.1.1 c	Hazardous materials samples for main and subsidiary hazards
5.4.1.1.1 d	Packing group
5.4.1.1.1 e	Number and description of packages
5.4.1.1.1 f	Total quantity of each dangerous good with different UN number, official name or packing group
5.4.1.2.1	Special provisions (SP) for class 1 (explosives) <ul style="list-style-type: none"> <li>- Total net mass in kg of explosive content for each substance or object with different UN-number</li> <li>- Total net mass in kg of explosive content for all substances or articles to which the transport document applies</li> </ul>
5.4.1.1.18	Information on whether it is an environmentally hazardous substance
5.4.1.1.1 g	Name and address of the sender
5.4.1.1.1 h	Name and address of the recipient
5.4.1.1.1 i	Declaration in accordance with the provisions of a special provisions

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When specifying the information according to RID 5.4.1.1.1, the order as in RID 5.4.1.1.1k is decisive.

#### 4.2 Additional or special information (selection)

Reference (RID)	Content
5.4.1.2.1 g	Special provisions for class 1 (Explosive substances and articles) When transporting fireworks UN 0333 / 0334 / 0335 / 0336 and 0337, the transport document must be noted: <b>“CLASSIFICATION OF FIREWORKS BY THE COMPETENT AUTHORITY OF XX WITH THE FIRE-WORK REFERENCE XX/YYZZZZ<sup>1</sup>”</b>
5.4.1.2.2 d	Additive for products with hazard identification number “22X” For units containing frozen liquefied gases, the sender shall enter the date on which the actual holding period ends in the transport document as follows: <b>“END OF HOLDING TIME: ..... (DD/MM/YYYY)”</b>
5.4.1.1.7	Special rules for carrying in a transport chain involving sea or air transport Entry transport document: <b>“CARRIAGE IN ACCORDANCE WITH 1.1.4.2.1”</b>
5.4.1.1.9	Special provisions for piggyback traffic see paragraph RID 1.1.4.4.5 Entry transport document: <b>“CARRIAGE IN ACCORDANCE WITH 1.1.4.4.”</b>
5.4.2	Container/vehicle packing certificate If the carriage of dangerous goods in a container precedes a voyage by sea, a container/vehicle packing certificate conforming to section 5.4.2 of the IMDG Code shall be provided with the transport document.

#### 4.3 SP for uncleaned empty encapsulants (RID 5.4.1.1.6.1)

*Example: EMPTY UNCLEANED, UN 1098 ALLYL ALCOHOL, 6.1 (3), PG I*

For uncleaned empty enclosing means according to RID 5.4.1.1.6.1, the expression "EMPTY, UNCLEANED" is prefixed to the information of RID 5.4.1.1.1.1.

- Remark "EMPTY UNCLEANED"
- Hazard identification number

<sup>1</sup> Indication of the country code of the issuing authority in the format of vehicle license plates (e.g., CH, D, I, NL); identification of the competent authority; serial reference

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- UN-Number
- Official designation of the goods or object as in full transport
- Hazardous substance samples and markings (e.g., "Hazardous to the environment")
- Packing group

**4.4 Transport of environmentally hazardous substances (RID 5.4.1.1.18)**

The sender is obliged to check dangerous goods for their environmentally hazardous properties and to label affected consignments with the labelling for environmentally hazardous substances.

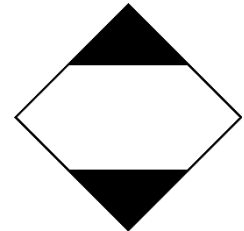


In the transport document, the note "HAZARDOUS TO THE ENVIRONMENT" or "HAZARDOUS TO THE ENVIRONMENT/MARINE POLLUTANT" must be provided. UN 3077 and UN 3082 may not have this remark.

For the electronic transmission of dangerous goods data, a corresponding data field must be set up, which contains at least the information hazardous to the environment yes/ no".

**4.5 Form and language (RID 5.4.1.4.1)**

The transport document must be completed in one or more languages, one of which must be ENGLISH / FRENCH or GERMAN. Transport documents in Italian or Dutch are not permitted.



**4.6 Limited Quantities (LQ)**

Contrary to the requirements of RID 3.4.1e, a reference to limited quantities must be provided in addition to the total gross weight. In addition, units containing more than eight tons in limited quantities and no other hazardous goods subject to labelling must be provided with the corresponding label in accordance with the specifications.

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## 5 Labelling of the transport unit



The most frequently used labelling variants according to ADR, IMDG and RID are listed below. In combined transport, ADN labelling is also accepted.

Placards must have a minimum dimension of 25cm x 25cm and orange plates must have an exact dimension of 30cm x 40cm.

### 5.1 Labelling's according to RID / rail transport



Markings RID	Orange plates	Placards / markings	
		Both long sides	Both end faces
Tank wagon	X	X	
Gas tank wagon	X	X	
Closed wagons		X	
Open / silo wagons Goods to be loaded in bulk	X	X	
Tank container / portable tanks <sup>2</sup>	X		X
Large containers			X
Swap bodies			X
Troughs / containers / cargo in bulk	X		X

### 5.2 Labelling's according to ADR / road transport



Markings ADR			Placards / markings	
	Front / rear side	Front / rear side	Both long sides	Rear side
Vehicle (Shipping items)	X			
Vehicle (bulk)		X	X	X
Tank car (single chamber) only UN1202, 1203, 1223, 1268, 1863		X		

<sup>2</sup> **Note:** If the tank container consists of several chambers with different dangerous goods, the corresponding markings must be attached to each chamber.

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<b>Markings ADR</b>			<b>Placards / markings</b>	
<b>Transport unit</b>	<b>Front / rear side</b>	<b>Front / rear side</b>	<b>Both long sides</b>	<b>Rear side</b>
Tank car (single chamber) All other UN numbers	X	Both long sides	X	X
Tank car (multi-chamber)	X	Both long sides of each chamber	X	X
Vehicle with swap body / container / tank container / portable tank	X	Check with Container / swap body in RID		
Battery-wagons		All sides	X	Front & Rear
MEGC – Multiple Element Gas Container		X	X	X

5.3 Labelling's according to IMDG / Maritime transport

<b>Markings IMDG</b>			<b>Placards / markings</b>
	<b>Orange plate 30 x 12 cm</b>		
<b>Unit</b>	<b>All sides</b>		
Tank/ bulk containers	X		X
Container	(X)		X

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## 6 Particularities of traffic with Italy

### 6.1 Transport of dangerous goods of Class 1 (explosives)

Special regulations apply to the carriage of Class 1 dangerous goods to Italy, both in unaccompanied combined transport and in accompanied piggyback transport ("rolling road").

- The unloader must notify the SBB Cargo Italia control centre in Gallarate at least 72 hours before transport
- Contact details SBB Cargo Italia:
  - [esplosivi.italia@sbbcargoint.com](mailto:esplosivi.italia@sbbcargoint.com);
  - [soitalia@sbbcargoint.com](mailto:soitalia@sbbcargoint.com)
  - [safety@sbbcargoint.com](mailto:safety@sbbcargoint.com)
- For the transport of dangerous goods of class 1, the consignment note must be transmitted to the control centre of SBB Cargo Italia in Gallarate
- The information on the transport, which must be transmitted by the shipper to the control centre of SBB Cargo Italia in Gallarate, are:
  - Train number
  - Booking date of the transport
  - Date of scheduled departure of the train
  - Details of the consignor/customer (name, address)
  - License plate (license plate) of the road vehicle or container
  - Name of the dangerous goods transported
  - UN number of dangerous goods
  - Gross weight of dangerous goods
  - Net explosive mass in kg
  - Information about the recipient of the dangerous goods (name, address)
  - Destination of dangerous goods

For accompanied combined transport ("Rolling Road"), the provisions in accordance with ADR apply. In the RID the "piggyback traffic" is described in undercut 1.1.4.4.

### 6.2 Waste transports

SBB Cargo International AG is authorised to carry out waste transport and customers are subject to the following rules:

- Each individual CER-code (waste code number) must be requested in advance regarding feasibility and testing at [safety@sbbcargoint.com](mailto:safety@sbbcargoint.com) + [documenti.rifiuti@sbbcargoint.com](mailto:documenti.rifiuti@sbbcargoint.com);
- When transporting hazardous waste, the documents must be made available to SBB Cargo International AG for internal review before notification by the authority. The documents must therefore be sent in PDF form to [safety@sbbcargoint.com](mailto:safety@sbbcargoint.com) + [documenti.rifiuti@sbbcargoint.com](mailto:documenti.rifiuti@sbbcargoint.com)

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- Following the approval of the authority and prior to the commencement of new operations in connection with the shipment of hazardous waste, the notification must be transmitted to SBB Cargo International AG
- The feasibility of carrying out the transport of waste is then communicated to the customer
- Operational: Waste transport must be reported to SBB Cargo International 48 hours before departure (Preavis). The mail recipients will be announced by [safety@sbbcargoint.com](mailto:safety@sbbcargoint.com) + [documenti.rifiuti@sbbcargoint.com](mailto:documenti.rifiuti@sbbcargoint.com)
- The customer is responsible for the correctness of the waste accompanying certificates
- The accompanying waste certificates must accompany the transported goods on the train
- The note «WASTE» between the UN-number and the official designation, in international traffic the waste certificate number and the number of the notification.

## 7 Definitions and Abbreviations

Term	Definition
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG	International Maritime Dangerous Goods Code
RID	Regulations Concerning the International Transport of Dangerous Goods by Rail
SP	Special provisions

## 8 Archiving of documents, data and records

Business process documents are kept and documented in accordance with internal guidelines and legal requirements.

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