

## COMMITTEE OF EXPERTS ON THE TRANSPORT OF DANGEROUS GOODS

Sub-Committee of Experts on the  
Transport of Dangerous Goods  
(Eighteenth session, 3-14 July 2000,  
Agenda item 4)

### TRANSPORT OF DANGEROUS GOODS DOCUMENTATION

#### Transmitted by CEFIC

#### Background

A number of Non Government Organisations have jointly considered progress on the revision and harmonisation of the transport of dangerous goods transport documentation provisions. They consider that the outcome at the seventeenth session of the Sub-Committee, as contained in paragraph 38 of the report and Annex 3 of ST/SG/AC.10/C.3/34 provides a very good basis to achieve the desired aims. However they consider that further improvements are achievable which will both aid the clarity of the provisions and facilitate compliance with them. Accordingly this proposal is submitted for the consideration of the Sub-Committee.

#### Introduction

The base text for this proposal is that contained in Annex 3 of ST/SG/AC.10/C.3/34 but in this proposal its content and sequence has been modified to achieve consistency in the terms used, and to restructure the text so that all provisions of a similar nature are grouped together. It is intended that this should make the text even more user friendly and easier to follow and apply. In accordance with the expressed view of the sub-committee all provisions relevant to documentation have also been included in this proposal for chapter 5.4. The proposal is in two parts, Annex 1 contains the full proposal and Annex 2 contains a “clean” copy of chapter 5.4 as it is proposed that it should appear in the Model Regulations. In the text of Annex 1 the following conventions are used;-

Numbers in { } brackets at the end of a paragraph reference the equivalent paragraph in Annex 3 of ST/SG/AC.10/C.3/34

Struckthrough text, e.g. ~~struckthrough~~, is text which it is proposed to delete or replace.

Italicised text, e.g. *Italicised text*, is text which is proposed as additional or replacement text.

Bold text in brackets, e.g. (**Bold text**), is commentary on the reasons for the proposed changes.

## **Annex 1**

### **Amendments to Chapter 3.1**

In Chapter 3.1, amend 3.1.2.6.1.1 as follows;-

3.1.2.6.1.1 The technical name shall be a recognized chemical or other name currently used in scientific and technical handbooks, journals and texts. Trade names shall not be used for this purpose.

3.1.2.6.1.1.1 In the case of pesticides, only ISO common name(s), other name(s) in the WHO Recommended Classification of Pesticides by Hazard and Guidelines to Classification, or the name(s) of the active substance(s) may be used.

3.1.2.6.1.1.2 *In the case of radioactive materials of Class 7, the technical name shall be:*

(a) *The name or symbol of each radionuclide or, for mixtures of radionuclides, an appropriate general description or a list of the most restrictive nuclides; and*

(b) *A description of the physical and chemical form of the material, or a notation that the material is special form radioactive material or low dispersible radioactive material. A generic chemical description is acceptable for chemical form;*

#### **Justification**

The principles of the provisions of 5.4.3.2.7.1 sub-paragraphs (a) and (b) are the same as those for the use of SP274 in chapter 3.2 column 6. This proposal seeks to achieve consistency of application of provisions in the model regulations, and therefore accordingly proposes the use of SP274 for class 7 entries by amending 3.1.2.6.1.

### **Amendments to Chapter 3.2**

In Chapter 3.2, add SP274 in column 6 of the dangerous goods list for all class 7 entries except UN2977 and UN2978.

#### **Justification**

This proposal follows on from the proposed amendment of Chapter 3.1

### **Amendments to Chapter 5.4**

#### CHAPTER 5.4

#### DOCUMENTATION

##### 5.4.1 *General Provisions and Procedures*

5.4.1.1 Except as otherwise provided *for in these regulations*, the consignor who offers dangerous goods for transport shall describe the dangerous goods on a *dangerous goods* transport document and provide additional information and documentation as specified in these regulations. *This shall be communicated to the transport operator by the consignor, or by any person acting on his behalf.*

{5.4.1.1}

**(Additional text is proposed to clarify the requirement to communicate information)**

5.4.1.2 Form of the *dangerous goods* transport document.

A dangerous goods transport document may be in any form, provided it contains all of the information required by these Regulations. These Regulations do not preclude the use of electronic data processing (EDP) and electronic data interchange (EDI) transmission techniques as an aid to paper documentation, *or, where applicable laws and regulations recognize the legal validity of such means of electronic transmission, as an alternative to a paper dangerous goods transport document.*

{5.4.1.2 and Introductory note}

**(Additional text is proposed to recognise the use of EDI when legally permitted)**

5.4.1.3 *These regulations do not require a separate document for dangerous goods when a consignment contains both dangerous and non-dangerous goods, nor do they restrict the number of individual dangerous goods descriptions (see 5.4.2) that may appear on a single dangerous goods transport document. If both dangerous and non-dangerous goods are listed in one dangerous goods transport document, the dangerous goods shall be listed first, or otherwise be emphasized.*

{5.4.1.2.1}

**(Additional text is proposed to clarify the provisions for a dangerous goods transport document for multi-item consignments)**

5.4.1.4 Continuation page.

A dangerous goods transport document may consist of more than one page, provided pages are consecutively numbered.

{5.4.1.2.2}

5.4.1.5 Example of a form.

The forms shown in *figures 5.6 and 5.7* ~~(xx) is~~ ~~an~~ ~~example~~ ~~s~~ of a dangerous goods transport document *and continuation sheet*<sup>1</sup>, *the use of which are not mandatory, but which shall be accepted in all transport modes.*

{5.4.1.2.4}

**(Additional text is proposed to clarify that the example forms are recommended but not mandatory)**

5.4.1.6 The information on a dangerous goods transport document shall be easy to identify, legible and durable.

{5.4.1.2.3}

(figure 5.6 - Example of a Dangerous Goods Transport Document)

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<sup>1</sup> Further information on documentation is contained in the relevant recommendations of the UN/ECE Working Party on Facilitation of International Trade Procedures which may be consulted, in particular Recommendation No. 1 (United Nations Lay-out Key for Trade Documents) (ECE/TRADE/137, edition 81.11), Recommendation No. 11 (Documentary Aspects of the International Transport of Dangerous Goods) (ECE/TRADE/204, edition 96.1) and Recommendation No. 22 (Lay-out Key for standard Consignment Instructions) (ECE/TRADE/168). Refer to the Trade Data Elements Directory, Volume III, Trade Facilitation Recommendations (ECE/TRADE/200) (United Nations publication Sales No. E.96.II.E.13).

(figure 5.7 - Example of a Dangerous Goods Transport Document Continuation Sheet)

5.4.1.7 *Multiple loads and consolidated consignments*

5.4.1.7.1 *If by reason of the size of the load a consignment cannot be loaded in its entirety on to a single transport unit, a separate dangerous goods transport document shall be prepared for each transport unit loaded. Furthermore, in all cases separate dangerous goods transport documents shall be made out for consignments or parts of consignments which may not be loaded together in the same transport unit by reason of any prohibitions on mixed loading.*

5.4.1.7.2 *In the case of multiple consignments loaded on to a single transport unit, a separate dangerous goods transport document shall be completed for each consignment.*

**(Additional text is proposed to clarify the documentation requirements for multiple loads and consolidated consignments)**

5.4.2 *The Dangerous Goods Description*  
{5.4.1.4.1}

**(A separate section has been incorporated to consolidate in one section all the provisions relevant to determining the dangerous goods description or text supplementary to the dangerous goods description or its components)**

5.4.2.1 *The Dangerous Goods Description shall consist of the following information;-*

5.4.2.1.1. the proper shipping name, as determined *in accordance with* ~~according to~~ 3.1.2;  
{5.4.1.4.1(a)}

5.4.2.1.2 the class or, when assigned, the division of the *dangerous goods*, ~~including for Class 1, the compatibility group letter~~. [Any assigned subsidiary hazard class(es) or division number(s) shall be entered following the *primary numerical* hazard class or division and shall be enclosed in parenthesis. The words “Class” or “Division” may be included preceding the primary or subsidiary hazard class or division numbers];  
{5.4.1.4.1(b)}

*NOTE For “Dangerous goods in machinery or apparatus”, this shall be the class or division of each of the dangerous goods contained therein.*

**(The text has been amended so that provisions applicable to a particular class are kept separate from text applicable to all classes. Additional text is proposed for clarification regarding dangerous goods in apparatus and machinery)**

5.4.2.1.3. the UN number preceded by the letters “UN”; *and*  
{5.4.1.4.1(c)}

5.4.2.1.4. where assigned, the packing group for the ~~substance or article~~ *dangerous goods* which may be preceded by *the* letters “PG” (e.g. “PG II”).  
{5.4.1.4.1(4)}

5.4.2.2 *Sequence of the dangerous goods description and supplementary information.*

The dangerous goods description ~~specified above~~ shall be shown in *the* sequence in 5.4.2.1 with no additional information interspersed, except as *otherwise* provided for in these Regulations. An example of a dangerous goods description is:

“ALLYL ALCOHOL 6.1 (3) UN 1098 I”  
{5.4.1.4.2}

5.4.2.3 ~~Information which supplements the proper shipping name in the dangerous goods description~~ *Supplementary information to the proper shipping name*

The proper shipping name in 5.4.2.1.1 in the dangerous goods description shall be supplemented as follows:  
{5.4.1.4.3}

5.4.2.3.1 Technical names for “n.o.s.” and other generic descriptions.

Proper shipping names that are assigned SP 274 in column (6) of the Dangerous Goods List shall be supplemented with their technical or chemical group names as described in 3.1.2.6.  
{5.4.1.4.3(a)}

5.4.2.3.2 *Solutions or Mixtures of a Dangerous Substance*

*When solutions and mixtures are treated according to the provisions given for the dangerous substance, the qualifying word "SOLUTION" or "MIXTURE", as appropriate, shall be added as part of the proper shipping name as described in 3.1.2.3. In addition, the concentration of the solution or mixture may also be indicated as described in 3.1.3.2.*

**(Additional text is proposed so that chapter 5.4 contains all the provisions relating to transport documentation)**

5.4.2.3.3 *Liquids and Solids*

*Unless it is already included in capital letters in the name indicated in the Dangerous Goods List, the qualifying word "LIQUID" or "SOLID", as appropriate, shall be added as part of the proper shipping name when a substance specifically listed by name may, due to the differing physical states of the various isomers of the substance, be either a liquid or a solid (e.g. DINITROTOLUENES, LIQUID; DINITROTOLUENES, SOLID).*  
{3.1.2.4}

**(Additional text is proposed so that chapter 5.4 contains all the provisions relating to transport documentation)**

5.4.2.3.4 *Elevated temperature materials.*

If the proper shipping name of ~~a substance~~ *dangerous goods* that ~~is~~ *are* transported or offered for transport in a liquid state at a temperature equal to or exceeding 100°C, or in a solid state at a temperature equal to or exceeding 240°C, does not convey the elevated temperature condition (for example, by using the term “MOLTEN” or “ELEVATED TEMPERATURE” as part of the *proper shipping name*), the word “HOT” shall immediately precede the proper shipping name on the *dangerous goods* transport document.  
{5.4.1.4.3(d)}

5.4.2.3.5 *Wastes.*

~~For~~ *When waste dangerous goods, (other than radioactive wastes) that are being transported for disposal, or for processing for disposal, the proper shipping name should shall be preceded by the word “WASTE”, unless this is already a part of the proper shipping name;*  
{5.4.1.4.3(c)}

5.4.2.3.6 Empty or uncleaned packagings and tanks.

Empty means of containment (including packagings, IBC's, portable tanks, road transport tanks and railway transport tanks) which contain the residue of dangerous goods of other than Class 7 shall be described as such by ~~placing~~ *adding* the words "EMPTY UNCLEANED" or "RESIDUE LAST CONTAINED" before or after the proper shipping name;

{5.4.1.4.3(b)}

5.4.2.4 *Supplementary information to the dangerous goods description*

*The dangerous goods description in 5.4.2 shall be supplemented as follows:*

5.4.2.4.1 *Dangerous goods packed in Limited Quantities*

When dangerous goods are transported according to the exceptions for dangerous goods packed in limited quantities provided for in Column 7 of the Dangerous Goods List and Chapter 3.4, the words "LIMITED QUANTITY" or "LTD QTY" shall be ~~included~~ *added after the dangerous goods description.*

{5.4.1.5.2}

5.4.2.4.2 *Salvage packagings.*

~~For~~ *When dangerous goods are transported in salvage packagings, the words "SALVAGE PACKAGE" shall be ~~included~~ added after the dangerous goods description.*

{5.4.1.5.3}

5.4.3 Information required on the Dangerous Goods Transport Document

{5.4.1.4}

NOTE: In addition to the requirements of these Regulations, other elements of information may be required by the competent authority or for certain modes of transport (~~e.g. flash point or flash point range in °C e.e. for sea transport~~). Unless permitted or required by these Regulations, additional information shall be placed after the dangerous goods description as determined in 5.4.2.

{5.4.1.4.2 Note}

**(Text has been deleted so that the model regulations do not need to be amended if the IMDG Code were to be changed in respect of the example quoted)**

5.4.3.1 Information concerning the dangerous goods

The dangerous goods transport document shall contain the following information for each dangerous ~~substance, material or article~~ *goods* offered for transport:

{5.4.1.4.1}

5.4.3.1.1 *The dangerous goods description as determined in 5.4.2*

~~In addition to the dangerous goods description the following information shall be included after the dangerous goods description on the dangerous goods transport document.~~

{5.4.1.5}

**(Text amended to reflect previous proposed amendment)**

5.4.3.1.2 The total quantity of dangerous goods *for each dangerous goods description*.

Except for empty packagings, *this shall be* the total quantity of dangerous goods ~~covered by the description (by volume or mass as appropriate) of each item of dangerous goods bearing a different proper shipping name, UN number or packing group shall be included. For Class 1 dangerous goods the quantity shall be the net explosive mass.~~ by:-

- (a) *net volume for liquids;*
- (b) *net mass for solids;*
- (c) *Design capacity of receptacles containing compressed or liquefied gases;*
- (d) *Net volume of gases dissolved in liquids;*
- (e) *Net explosive mass of explosives of class 1; or*
- (f) *gross mass for articles;*

Abbreviations may be used to specify the unit of measurement for the total quantity.  
{5.4.1.5.1}

**(Text amended to clarify what information is required)**

5.4.3.1.3 *For each dangerous goods description, the number of packagings and a description of each type of packaging. The description should enable identification of the packaging.*  
{5.4.1.5.1}

5.4.3.1.4 For consignments of packages in an overpack ~~or freight container~~, a detailed statement of the contents of each package within the overpack ~~or freight container~~ and, where appropriate, of each overpack ~~or freight container~~ in the consignment. If packages are to be removed from the overpack ~~or freight container~~ at a point of intermediate unloading, appropriate *dangerous goods* transport documents shall be made available. *This provision shall also be applicable to combination or composite packagings;*  
{5.4.1.5.7.1(h)}

**(Text has been moved from the special requirements for class 7 as these are equally applicable to all classes of dangerous goods)**

5.4.3.2 *Information required for particular Classes or Divisions of dangerous goods;*

**(The text has been amended so that provisions applicable to a particular class are kept together in a separate section dealing with class specific provisions. Some paragraphs in this section have additional text to clarify how requirements are to be met in the interests of consistency and harmonisation or to include in chapter 5.4 documentation provisions from other chapters.)**

5.4.3.2.1 Class 1;

5.4.3.2.1.1 *In the Dangerous Goods Description as determined in 5.4.2.1, the Division shall be followed immediately by the compatibility group letter.*  
{5.4.1.4.1(b)}

5.4.3.2.1.2 *The dangerous goods description as determined in 5.4.2.1 may be supplemented by additional descriptive text to indicate commercial or military names.*  
{5.4.1.5.1}



- 5.4.3.2.1.3 Consignments of dangerous goods ~~of Class 1~~, other than Division 1.4, shall be accompanied by a declaration, which may appear on the dangerous goods transport document, certifying that the freight container, vehicle or wagon is structurally serviceable as defined in 7.1.3.2.1 (b).
- 5.4.3.2.1.4 *For dangerous goods transported under approval by the competent authority in accordance with 4.1.3.7 or Packing Instruction P101, the dangerous goods transport document shall include the statement: “Packaging approved by the competent authority of...” followed by the State’s distinguishing sign for motor vehicles in international traffic of the country for which the authority acts.*
- 5.4.3.2.2 Class 2 (Reserved)
- 5.4.3.2.3 Class 3 (Reserved)
- 5.4.3.2.4.1 Division 4.1;
- 5.4.3.2.4.1.1 For self-reactive substances ~~of Division 4.1~~ that require temperature control during transport, the control and emergency temperatures (see 7.1.4.3) shall be indicated on the dangerous goods transport document, as follows: “Control temperature: .... °C  
Emergency temperature: .... °C”.  
{5.4.1.5.5}
- 5.4.3.2.4.1.2 When for certain self-reactive and related substances ~~of Division 4.1~~ the competent authority has permitted the “EXPLOSIVE” subsidiary risk label (model No. 01) to be dispensed with for the specific package, ~~a statement to this effect shall be included~~ *the dangerous goods transport document shall include the statement “Danger Label conforming to Model No. 01 not required approved by the competent authority of .....*” followed by the State’s distinguishing sign for motor vehicles in international traffic of the country for which the authority acts.  
{5.4.1.5.5.1}
- 5.4.3.2.4.1.3 When self-reactive substances are transported under conditions where approval is required *in accordance with* ~~(for self reactive substances see 2.4.2.3.2.4 and 4.1.7.2.2), a statement to this effect shall be included in~~, the dangerous goods transport document *shall include the statement: “Transport under this entry approved by the competent authority of .....*” followed by the State’s distinguishing sign for motor vehicles in international traffic of the country for which the authority acts. A copy of the classification approval and conditions of transport for non-listed self-reactive substances shall be attached to the dangerous goods transport document.  
{5.4.1.5.5.2}
- 5.4.3.2.4.1.4 When a sample of a self-reactive substance *is transported in accordance with* ~~(see 2.4.2.3.2.4(b)) is transported, a statement to this effect shall be included in~~ the dangerous goods transport document *shall include the statement: “Transport of this sample under this entry approved by the competent authority of .....*” followed by the State’s distinguishing sign for motor vehicles in international traffic of the country for which the authority acts.  
{5.4.1.5.5.3}
- 5.4.3.2.4.2 Division 4.2 (Reserved)
- 5.4.3.2.4.3 Division 4.3 (Reserved)
- 5.4.3.2.5.1 Division 5.1 (Reserved)
- 5.4.3.2.5.2 Division 5.2

- 5.4.3.2.5.2.1 For organic peroxides that require temperature control during transport, the control and emergency temperatures (see 7.1.4.3.1) shall be indicated on the dangerous goods transport document, as follows: “Control temperature: .... °C Emergency temperature: .... °C”.  
{5.4.1.5.5}
- 5.4.3.2.5.2.2 When for certain organic peroxides ~~of Division 5.2~~ the competent authority has permitted the “EXPLOSIVE” subsidiary risk label (model No. 01) to be dispensed with for the specific package, ~~a statement to this effect shall be included in the dangerous goods transport document shall include the statement “Danger Label conforming to Model No. 01 not required approved by the competent authority of ....” followed by the State’s distinguishing sign for motor vehicles in international traffic of the country for which the authority acts.~~  
{5.4.1.5.5.1}
- 5.4.3.2.5.2.3 When organic peroxides are transported under conditions where approval is required ~~in accordance with (for organic peroxides see 2.5.3.2.5, 4.1.7.2.2, 4.2.1.13.1 and 4.2.1.13.3), a statement to this effect shall be included in~~ the dangerous goods transport document *shall include the statement: “Transport under this entry approved by the competent authority of ....” followed by the State’s distinguishing sign for motor vehicles in international traffic of the country for which the authority acts.* A copy of the classification approval and conditions of transport for non-listed organic peroxides shall be attached to the dangerous goods transport document.  
{5.4.1.5.5.2}
- 5.4.3.2.5.2.4 When a sample of an organic peroxide ~~is transported in accordance with (see 2.5.3.2.5.1)) is transported, a statement to this effect shall be included in~~ the dangerous goods transport document *shall include the statement: “Transport of this sample under this entry approved by the competent authority of ....” followed by the State’s distinguishing sign for motor vehicles in international traffic of the country for which the authority acts.*  
{5.4.1.5.5.3}
- 5.4.3.2.6.1 Division 6.1 (Reserved)
- 5.4.3.2.6.2 Division 6.2, Infectious Substances
- [5.4.3.2.6.2.1 The full address of the consignee shall be shown on the *dangerous goods transport* document, together with the name of a responsible person and his telephone number.]  
{5.4.1.5.6.1}
- [5.4.3.2.6.2.2 The *dangerous goods* transport documents shall show the number of the flight or train, its date and the name(s) of the airport(s) or station(s) of transshipment].  
{5.4.1.5.6.2}
- [5.4.3.2.6.2.3 If the substance is perishable, appropriate warnings shall appear on the *dangerous goods* transport document, for instance: “Keep cool, between +2°C and +4°C” or “Keep frozen” or “Do not freeze”.]  
{5.4.1.5.6.3}
- 5.4.3.2.7 Class 7, Radioactive materials
- 5.4.3.2.7.1 The following additional information shall be included for each consignment of Class 7 material, as applicable, in the order given:

- (a) ~~The name or symbol of each radionuclide or, for mixtures of radionuclides, an appropriate general description or a list of the most restrictive nuclides; The Dangerous Goods Description shall be supplemented with the Information as determined in 3.1.2.6.1.1.2 when SP274 applies~~
- (b) ~~A description of the physical and chemical form of the material, or a notation that the material is special form radioactive material or low dispersible radioactive material. A generic chemical description is acceptable for chemical form;~~

**(The principles of the provisions of sub-paragraphs (a) and (b) are the same as those for the use of SP274 in chapter 3.2 column 6. This proposal seeks to achieve consistency of application of provisions in the model regulations, and therefore accordingly proposes the use of SP274.)**

- (e)(b) The maximum activity of the radioactive contents during transport expressed in units of becquerels (Bq) with an appropriate SI prefix (see 1.2.2.1). For fissile material, the mass of fissile material in units of grams (g), or appropriate multiples thereof, may be used in place of activity;
- (d)(c) The category of the package, i.e. I-WHITE, II-YELLOW, III-YELLOW;
- (e)(d) The transport index (categories II-YELLOW and III-YELLOW only);
- (f)(e) For consignments including fissile material other than consignments excepted under 6.4.11.2, the criticality safety index;
- (g)(f) The identification mark for each competent authority approval certificate (special form radioactive material, low dispersible radioactive material, special arrangement, package design, or shipment) applicable to the consignment;
- (h)(g) For consignments of packages in an overpack or freight container, ~~a detailed statement of the contents of each package within the overpack or freight container and, where appropriate, of each overpack or freight container in the consignment. If packages are to be removed from the overpack or freight container at a point of intermediate unloading, appropriate dangerous goods transport documents shall be made available~~ the provisions of 5.4.3.1.4 and 5.4.1.7.2 shall apply;
- (i)(h) Where a consignment is required to be shipped under exclusive use, the statement "EXCLUSIVE USE SHIPMENT"; and
- (i)(i) For LSA-II, LSA-III, SCO-I and SCO-II, the total activity of the consignment as a multiple of  $A_2$ .  
{5.4.1.5.7.1}

5.4.3.2.7.2 The *dangerous goods* transport document shall include a statement regarding actions, if any, that are required to be taken by the carrier. The statement shall be in the languages deemed necessary by the carrier or the authorities concerned, and shall include at least the following points:

- (a) Supplementary requirements for loading, stowage, carriage, handling and unloading of the package, overpack or freight container including any special stowage provisions for the safe dissipation of heat (see 7.1.6.3.2), or a statement that no such requirements are necessary;
- (b) Restrictions on the mode of transport or conveyance and any necessary routing instructions;

- (c) Emergency arrangements appropriate to the consignment.  
{5.4.1.5.7.2}

**(Paragraph 5.4.3.2.7.2 may be considered appropriate for inclusion in Section 5.4.6)**

- 5.4.3.2.7.3 The applicable competent authority certificates need not necessarily accompany the consignment. The consignor shall make them available to the carrier(s) before loading and unloading.  
{5.4.1.5.7.3}

- 5.4.3.2.8 Class 8; (Reserved)

- 5.4.3.2.9 Class 9; (Reserved)

- 5.4.3.3 Information concerning the Consignment

- 5.4.3.3.1 Consignor, consignee and date.

The name and address of the consignor and the consignee of the dangerous goods shall be included on the dangerous goods transport document. The date the dangerous goods transport document or an electronic copy of it was prepared or given to the initial carrier shall be included.  
{5.4.1.3}

- 5.4.3.4 *Special Requirements*

**(In the interests of consistency and harmonisation this proposal seeks to include in chapter 5.4 documentation provisions from other chapters.)**

- 5.4.3.4.1 *Temperature stabilized substances*

If the proper shipping name of a substance that is transported or is offered for transport includes the word "STABILIZED", or "STABILIZED" is added to the proper shipping name (see 3.1.2.6), when stabilization is by means of temperature control, the control and emergency temperatures [(see 7.1.4.3.1)] shall be indicated in the *dangerous goods* transport document, as follows:

“Control temperature: .... °C Emergency temperature: .... ° C”.  
{5.4.1.5.4}

- 5.4.3.4.2 *Portable Tanks*

*Dangerous goods transported in Portable tanks in accordance with the provisions of 6.7.1.3, shall have a copy of the competent authority approval attached to the dangerous goods transport document.*

- 5.4.3.4.3 *IBC's or portable tanks filled prior to the date of expiry of the last periodic test or inspection*

*IBC's or portable tanks transported in accordance with the provisions of 4.1.2.2, 6.7.2.19.6, 6.7.3.15.6 or 6.7.4.14.6 shall include a reference to this in the dangerous goods transport document.*

5.4.3.4.4 *Fumigated transport units*

*Transport units to which the provisions of 5.5.2.1 apply, shall show in the dangerous goods transport document the date of fumigation and the type and amount of the fumigant used. In addition, instructions for disposal of any residual fumigant including fumigation devices (if used) shall be provided.*

5.4.3.4.5 *Chemical Samples UN3315*

*When chemical samples of UN3315 are transported, a copy of the competent authority approval shall be attached to the dangerous goods transport document.*

5.4.4 ~~Certification~~ *Certificates and Declarations*

5.4.4.1 *Certificate of Conformity of the consignment*

5.4.4.1.1 The dangerous goods transport document shall include a certification or declaration that the consignment is acceptable for transport and that the goods are properly packaged, marked and labelled, and in proper condition for transport in accordance with the applicable regulations. The text for this certification is:

“I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.”

The certification shall be signed and dated by the consignor. Facsimile signatures are acceptable where applicable laws and regulations recognize the legal validity of facsimile signatures.

{5.4.1.6.1}

5.4.4.1.2 If the dangerous goods transport document is presented to the carrier by means of electronic data processing (EDP) or electronic data interchange (EDI) transmission techniques, the signature(s) may be replaced by the name(s) (in capitals) of the person authorized to sign.

{5.4.1.6.2}

5.4.4.2 *Container packing certificate*

5.4.4.2.1 When dangerous goods are loaded into a freight container<sup>1</sup>, those responsible for supervising this operation<sup>2</sup> shall provide a "container packing certificate" certifying that the operation has been carried out in accordance with the following conditions, and identifying the person signing the certificate:

- (a) The container is clean, dry and apparently fit to receive the goods;
- (b) Packages have been segregated in accordance with applicable segregation requirements;
- (c) All packages have been externally inspected for damage, and only sound packages loaded;
- (d) All goods have been properly loaded and, where necessary, adequately braced with securing material to suit the mode(s) of transport for the intended journey;
- ~~(e) Goods loaded in bulk have been evenly distributed within the container;~~

**(Sub-paragraph (e) is at variance with the IMDG Code which refers to bulk packagings)**

~~(e)~~(e) For consignments including goods of Class 1 other than Division 1.4, the container is structurally serviceable in accordance with 7.1.3.2.1;

~~(e)~~(f) The container and packages are properly marked, labelled and placarded in accordance with this Part; and

~~(h)~~(g) A certificate or declaration, as indicated in ~~5.4.1.1.8~~ 5.4.4.1.1, has been received for each dangerous goods consignment loaded in the container.  
{5.4.2.1}

5.4.4.2.2 The functions of the document required in ~~5.4.1.3.1~~ 5.4.1.2 and of the container packing certificate required in ~~5.4.2.1~~ 5.4.4.2 may be incorporated in a single document. If these functions are incorporated into a single document, the inclusion of a signed declaration that the packing of the container has been carried out in accordance with the applicable modal regulations together with the identification of the person signing the declaration will suffice. If these functions are not incorporated into a single document, the relevant documents shall be attached one to the other.

## 5.4.5 Emergency Response Information

For consignments for which a dangerous goods transport document is required by these regulations, appropriate information shall be immediately available at all times for use in emergency response to accidents and incidents involving dangerous goods in transport. The information shall be available away from the packages containing the dangerous goods and immediately accessible in the event of an accident or incident.

Methods of compliance include:

- 
- 1 For the purposes of these provisions the term "freight container" is limited to transport units meeting the definition of "container" in the International Convention for Safe Containers (CSC) signed at Geneva on 2 December 1972. The term does not include a "portable tank" as defined in 1.2.1 or a freight container being used to transport radioactive material and which complies with the IAEA requirements for freight containers.
  - 2 Guidelines for use in practice and in training for loading goods in freight containers or vehicles have been drawn up by the International Maritime Organization (IMO) and the International Labour Organization (ILO) and have been published by IMO (IMO/ILO Guidelines for Packing Cargo in Freight Containers or Vehicles).

- (a) Appropriate entries in the *dangerous goods* transport document; or
  - (b) Provision of separate document such as a safety data sheet; or
  - (c) Provision of separate document, such as the ICAO “Emergency Response Guidance for Aircraft Incidents Involving Dangerous Goods” or the IMO “Emergency Procedures for Ships carrying Dangerous Goods” and “Medical First Aid Guide in Accidents Involving Dangerous Goods”, for use in conjunction with the *dangerous goods* transport document.
- {5.4.3}

5.4.6 *Additional handling Information* (Reserved)

5.4.7 *Exemptions from Documentation*

- 5.4.7.1 *Limited quantities of dangerous goods to which the provisions of 3.4.9 apply are exempted from the requirement for a dangerous goods transport document.*

## CHAPTER 5.4

### DOCUMENTATION

#### 5.4.1 *General Provisions and Procedures*

5.4.1.2 Except as otherwise provided for in these regulations, the consignor who offers dangerous goods for transport shall describe the dangerous goods on a dangerous goods transport document and provide additional information and documentation as specified in these regulations. This shall be communicated to the transport operator by the consignor, or by any person acting on his behalf.

#### 5.4.1.2 **Form of the dangerous goods transport document.**

A dangerous goods transport document may be in any form, provided it contains all of the information required by these Regulations. These Regulations do not preclude the use of electronic data processing (EDP) and electronic data interchange (EDI) transmission techniques as an aid to paper documentation, or, where applicable laws and regulations recognize the legal validity of such means of electronic transmission, as an alternative to a paper dangerous goods transport document.

5.4.1.3 These regulations do not require a separate document for dangerous goods when a consignment contains both dangerous and non-dangerous goods, nor do they restrict the number of individual dangerous goods descriptions (see 5.4.2) that may appear on a single dangerous goods transport document. If both dangerous and non-dangerous goods are listed in one dangerous goods transport document, the dangerous goods shall be listed first, or otherwise be emphasized.

#### 5.4.1.4 **Continuation page.**

A dangerous goods transport document may consist of more than one page, provided pages are consecutively numbered.

#### 5.4.1.5 **Example of a form.**

The forms shown in figures 5.6 and 5.7 are examples of a dangerous goods transport document and continuation sheet<sup>2</sup>, the use of which are not mandatory, but which shall be accepted in all transport modes.

5.4.1.6 The information on a dangerous goods transport document shall be easy to identify, legible and durable.

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<sup>2</sup> Further information on documentation is contained in the relevant recommendations of the UN/ECE Working Party on Facilitation of International Trade Procedures which may be consulted, in particular Recommendation No. 1 (United Nations Lay-out Key for Trade Documents) (ECE/TRADE/137, edition 81.11), Recommendation No. 11 (Documentary Aspects of the International Transport of Dangerous Goods) (ECE/TRADE/204, edition 96.1) and Recommendation No. 22 (Lay-out Key for standard Consignment Instructions) (ECE/TRADE/168). Refer to the Trade Data Elements Directory, Volume III, Trade Facilitation Recommendations (ECE/TRADE/200) (United Nations publication Sales No. E.96.II.E.13).



(figure 5.6 - Example of a Dangerous Goods Transport Document)

(figure 5.7 - Example of a Dangerous Goods Transport Document Continuation Sheet)

#### 5.4.1.7 **Multiple loads and consolidated consignments.**

5.4.1.7.1 If by reason of the size of the load a consignment cannot be loaded in its entirety on to a single transport unit, a separate dangerous goods transport document shall be prepared for each transport unit loaded. Furthermore, in all cases separate dangerous goods transport documents shall be made out for consignments or parts of consignments which may not be loaded together in the same transport unit by reason of any prohibitions on mixed loading.

5.4.1.7.2 In the case of multiple consignments loaded on to a single transport unit, a separate dangerous goods transport document shall be completed for each consignment.

#### 5.4.2 ***The Dangerous Goods Description***

5.4.2.1 The Dangerous Goods Description shall consist of the following information;-

5.4.2.1.1. the proper shipping name, as determined in accordance with 3.1.2;

5.4.2.1.2 the class or, when assigned, the division of the dangerous goods. [Any assigned subsidiary hazard class(es) or division number(s) shall be entered following the primary hazard class or division and shall be enclosed in parenthesis. The words “Class” or “Division” may be included preceding the primary or subsidiary hazard class or division numbers];

NOTE For “Dangerous goods in machinery or apparatus”, this shall be the class or division of each of the dangerous goods contained therein.

5.4.2.1.3. the UN number preceded by the letters “UN”; and

5.4.2.1.4. where assigned, the packing group for the dangerous goods which may be preceded by the letters “PG” (e.g. “PG II”).

#### 5.4.2.2 **Sequence of the dangerous goods description and supplementary information.**

The dangerous goods description shall be shown in the sequence in 5.4.2.1 with no additional information interspersed, except as otherwise provided for in these Regulations. An example of a dangerous goods description is:

“ALLYL ALCOHOL 6.1 (3) UN 1098 I”

#### 5.4.2.3 **Supplementary information to the proper shipping name.**

The proper shipping name in 5.4.2.1.1 in the dangerous goods description shall be supplemented as follows:

5.4.2.3.1 Technical names for “n.o.s.” and other generic descriptions.

Proper shipping names that are assigned SP 274 in column (6) of the Dangerous Goods List shall be supplemented with their technical or chemical group names as described in 3.1.2.6.

#### 5.4.2.3.2 Solutions or Mixtures of a Dangerous Substance

When solutions and mixtures are treated according to the provisions given for the dangerous substance, the qualifying word "SOLUTION" or "MIXTURE", as appropriate, shall be added as part of the proper shipping name as described in 3.1.2.3. In addition, the concentration of the solution or mixture may also be indicated as described in 3.1.3.2.

#### 5.4.2.3.3 Liquids and Solids

Unless it is already included in capital letters in the name indicated in the Dangerous Goods List, the qualifying word "LIQUID" or "SOLID", as appropriate, shall be added as part of the proper shipping name when a substance specifically listed by name may, due to the differing physical states of the various isomers of the substance, be either a liquid or a solid (e.g. DINITROTOLUENES, LIQUID; DINITROTOLUENES, SOLID).

#### 5.4.2.3.4 Elevated temperature materials.

If the proper shipping name of dangerous goods that ~~is~~ are transported or offered for transport in a liquid state at a temperature equal to or exceeding 100°C, or in a solid state at a temperature equal to or exceeding 240°C, does not convey the elevated temperature condition (for example, by using the term "MOLTEN" or "ELEVATED TEMPERATURE" as part of the proper shipping name), the word "HOT" shall immediately precede the proper shipping name on the dangerous goods transport document.

#### 5.4.2.3.5 Wastes.

When waste dangerous goods, (other than radioactive wastes) are being transported for disposal, or for processing for disposal, the proper shipping name shall be preceded by the word "WASTE", unless this is already a part of the proper shipping name;

#### 5.4.2.3.6 Empty or uncleaned packagings and tanks.

Empty means of containment (including packagings, IBC's, portable tanks, road transport tanks and railway transport tanks) which contain the residue of dangerous goods of other than Class 7 shall be described as such by adding the words "EMPTY UNCLEANED" or "RESIDUE LAST CONTAINED" before or after the proper shipping name;

#### 5.4.2.4 **Supplementary information to the dangerous goods description.**

The dangerous goods description in 5.4.2 shall be supplemented as follows:

##### 5.4.2.4.1 Dangerous goods packed in Limited Quantities

When dangerous goods are transported according to the exceptions for dangerous goods packed in limited quantities provided for in Column 7 of the Dangerous Goods List and Chapter 3.4, the words "LIMITED QUANTITY" or "LTD QTY" shall be added after the dangerous goods description.

##### 5.4.2.4.2 Salvage packagings.

When dangerous goods are transported in salvage packagings, the words "SALVAGE PACKAGE" shall be added after the dangerous goods description.

#### 5.4.3 ***Information required on the Dangerous Goods Transport Document***

NOTE: In addition to the requirements of these Regulations, other elements of information may be required by the competent authority or for certain modes of transport. Unless permitted or required by these Regulations, additional information shall be placed after the dangerous goods description as determined in 5.4.2.

#### 5.4.3.1 **Information concerning the dangerous goods**

The dangerous goods transport document shall contain the following information for each dangerous goods offered for transport:

5.4.3.1.1 The dangerous goods description as determined in 5.4.2

5.4.3.1.2 The total quantity of dangerous goods for each dangerous goods description.

Except for empty packagings, this shall be the total quantity of dangerous goods by:-

- (g) net volume for liquids;
- (h) net mass for solids;
- (i) Design capacity of receptacles containing compressed or liquefied gases;
- (j) Net volume of gases dissolved in liquids;
- (k) Net explosive mass of explosives of class 1; or
- (l) gross mass for articles;

Abbreviations may be used to specify the unit of measurement for the total quantity.

5.4.3.1.3 For each dangerous goods description, the number of packagings and a description of each type of packaging. The description should enable identification of the packaging.

5.4.3.1.4 For consignments of packages in an overpack, a detailed statement of the contents of each package within the overpack and, where appropriate, of each overpack in the consignment. If packages are to be removed from the overpack at a point of intermediate unloading, appropriate dangerous goods transport documents shall be made available. This provision shall also be applicable to combination or composite packagings;

#### 5.4.3.2 **Information required for particular Classes or Divisions of dangerous goods ;**

##### 5.4.3.2.1 **Class 1;**

5.4.3.2.1.1 In the Dangerous Goods Description as determined in 5.4.2.1, the Division shall be followed immediately by the compatibility group letter.

5.4.3.2.1.2 The dangerous goods description as determined in 5.4.2.1 may be supplemented by additional descriptive text to indicate commercial or military names.

5.4.3.2.1.3 Consignments of dangerous goods, other than Division 1.4, shall be accompanied by a declaration, which may appear on the dangerous goods transport document, certifying that the freight container, vehicle or wagon is structurally serviceable as defined in 7.1.3.2.1 (b).

5.4.3.2.1.4 For dangerous goods transported under approval by the competent authority in accordance with 4.1.3.7 or Packing Instruction P101, the dangerous goods transport document shall include the statement: "Packaging approved by the competent authority of..." followed by the State's distinguishing sign for motor vehicles in international traffic of the country for which the authority acts.

- 5.4.3.2.2 **Class 2 (Reserved)**
- 5.4.3.2.3 **Class 3 (Reserved)**
- 5.4.3.2.4.1 **Division 4.1;**
- 5.4.3.2.4.1.1 For self-reactive substances that require temperature control during transport, the control and emergency temperatures (see 7.1.4.3) shall be indicated on the dangerous goods transport document as follows: “Control temperature: .... °C Emergency temperature: .... °C”.
- 5.4.3.2.4.1.2 When for certain self-reactive and related substances the competent authority has permitted the “EXPLOSIVE” subsidiary risk label (model No. 01) to be dispensed with for the specific package, the dangerous goods transport document shall include the statement “Danger Label conforming to Model No. 01 not required approved by the competent authority of ....” followed by the State’s distinguishing sign for motor vehicles in international traffic of the country for which the authority acts.
- 5.4.3.2.4.1.3 When self-reactive substances are transported under conditions where approval is required in accordance with 2.4.2.3.2.4 and 4.1.7.2.2, the dangerous goods transport document shall include the statement: “Transport under this entry approved by the competent authority of ....” followed by the State’s distinguishing sign for motor vehicles in international traffic of the country for which the authority acts. A copy of the classification approval and conditions of transport for non-listed self-reactive substances shall be attached to the dangerous goods transport document.
- 5.4.3.2.4.1.4 When a sample of a self-reactive substance is transported in accordance with 2.4.2.3.2.4(b), the dangerous goods transport document shall include the statement: “Transport of this sample under this entry approved by the competent authority of ....” followed by the State’s distinguishing sign for motor vehicles in international traffic of the country for which the authority acts.
- 5.4.3.2.4.2 **Division 4.2 (Reserved)**
- 5.4.3.2.4.3 **Division 4.3 (Reserved)**
- 5.4.3.2.5.1 **Division 5.1 (Reserved)**
- 5.4.3.2.5.2 **Division 5.2**
- 5.4.3.2.5.2.1 For organic peroxides that require temperature control during transport, the control and emergency temperatures (see 7.1.4.3.1) shall be indicated on the dangerous goods transport document, as follows: “Control temperature: .... °C Emergency temperature: .... °C”.
- 5.4.3.2.5.2.2 When for certain organic peroxides the competent authority has permitted the “EXPLOSIVE” subsidiary risk label (model No. 01) to be dispensed with for the specific package, the dangerous goods transport document shall include the statement “Danger Label conforming to Model No. 01 not required approved by the competent authority of ....” followed by the State’s distinguishing sign for motor vehicles in international traffic of the country for which the authority acts.
- 5.4.3.2.5.2.3 When organic peroxides are transported under conditions where approval is required in accordance with 2.5.3.2.5, 4.1.7.2.2, 4.2.1.13.1 and 4.2.1.13.3, the dangerous goods transport document shall include the statement: “Transport under this entry approved by the competent authority of ....” followed by the State’s distinguishing sign for

motor vehicles in international traffic of the country for which the authority acts. A copy of the classification approval and conditions of transport for non-listed organic peroxides shall be attached to the dangerous goods transport document.

5.4.3.2.5.2.4 When a sample of an organic peroxide is transported in accordance with 2.5.3.2.5.1, the dangerous goods transport document shall include the statement: "Transport of this sample under this entry approved by the competent authority of ....." followed by the State's distinguishing sign for motor vehicles in international traffic of the country for which the authority acts.

5.4.3.2.6.1 **Division 6.1** (Reserved)

5.4.3.2.6.2 **Division 6.2**, Infectious Substances

[5.4.3.2.6.2.1 The full address of the consignee shall be shown on the dangerous goods transport document, together with the name of a responsible person and his telephone number.]

[5.4.3.2.6.2.2 The dangerous goods transport documents shall show the number of the flight or train, its date and the name(s) of the airport(s) or station(s) of transshipment].

[5.4.3.2.6.2.3 If the substance is perishable, appropriate warnings shall appear on the dangerous goods transport document, for instance: "Keep cool, between +2°C and +4°C" or "Keep frozen" or "Do not freeze".]

5.4.3.2.7 **Class 7**, Radioactive materials

5.4.3.2.7.1 The following additional information shall be included for each consignment of Class 7 material, as applicable, in the order given:

- (a) The Dangerous Goods Description shall be supplemented with the Information as determined in 3.1.2.6.1.1.2 when SP274 applies
- (b) The maximum activity of the radioactive contents during transport expressed in units of becquerels (Bq) with an appropriate SI prefix (see 1.2.2.1). For fissile material, the mass of fissile material in units of grams (g), or appropriate multiples thereof, may be used in place of activity;
- (c) The category of the package, i.e. I-WHITE, II-YELLOW, III-YELLOW;
- (d) The transport index (categories II-YELLOW and III-YELLOW only);
- (e) For consignments including fissile material other than consignments excepted under 6.4.11.2, the criticality safety index;
- (f) The identification mark for each competent authority approval certificate (special form radioactive material, low dispersible radioactive material, special arrangement, package design, or shipment) applicable to the consignment;
- (g) For consignments of packages in an overpack or freight container, the provisions of 5.4.3.1.4 and 5.4.1.7.2 shall apply;
- (h) Where a consignment is required to be shipped under exclusive use, the statement "EXCLUSIVE USE SHIPMENT"; and
- (i) For LSA-II, LSA-III, SCO-I and SCO-II, the total activity of the consignment as a multiple of  $A_2$ .

5.4.3.2.7.2 The dangerous goods transport document shall include a statement regarding actions, if any, that are required to be taken by the carrier. The statement shall be in the languages deemed necessary by the carrier or the authorities concerned, and shall include at least the following points:

(a) Supplementary requirements for loading, stowage, carriage, handling and unloading of the package, overpack or freight container including any special stowage provisions for the safe dissipation of heat (see 7.1.6.3.2), or a statement that no such requirements are necessary;

(b) Restrictions on the mode of transport or conveyance and any necessary routing instructions;

(d) Emergency arrangements appropriate to the consignment.

5.4.3.2.7.3 The applicable competent authority certificates need not necessarily accompany the consignment. The consignor shall make them available to the carrier(s) before loading and unloading.

5.4.3.2.8 **Class 8;** (Reserved)

5.4.3.2.9 **Class 9;** (Reserved)

### 5.4.3.3 **Information concerning the Consignment**

5.4.3.3.1 Consignor, consignee and date.

The name and address of the consignor and the consignee of the dangerous goods shall be included on the dangerous goods transport document. The date the dangerous goods transport document or an electronic copy of it was prepared or given to the initial carrier shall be included.

### 5.4.3.4 **Special Requirements**

5.4.3.4.1 Temperature stabilized substances

If the proper shipping name of a substance that is transported or is offered for transport includes the word "STABILIZED", or "STABILIZED" is added to the proper shipping name (see 3.1.2.6), when stabilization is by means of temperature control, the control and emergency temperatures [(see 7.1.4.3.1)] shall be indicated in the dangerous goods transport document, as follows:

“Control temperature: .... °C Emergency temperature: .... ° C”.

5.4.3.4.2 Portable Tanks

Dangerous goods transported in Portable tanks in accordance with the provisions of 6.7.1.3, shall have a copy of the competent authority approval attached to the dangerous goods transport document.

5.4.3.4.3 IBC's or portable tanks filled prior to the date of expiry of the last periodic test or inspection

IBC's or portable tanks transported in accordance with the provisions of 4.1.2.2, 6.7.2.19.6, 6.7.3.15.6 or 6.7.4.14.6 shall include a reference to this in the dangerous goods transport document.

#### 5.4.3.4.4 Fumigated transport units

Transport units to which the provisions of 5.5.2.1 apply, shall show in the dangerous goods transport document the date of fumigation and the type and amount of the fumigant used. In addition, instructions for disposal of any residual fumigant including fumigation devices (if used) shall be provided.

#### 5.4.3.4.5 Chemical Samples UN3315

When chemical samples of UN3315 are transported, a copy of the competent authority approval shall be attached to the dangerous goods transport document.

### 5.4.4 *Certificates and Declarations*

#### 5.4.4.1 **Certificate of Conformity of the consignment**

5.4.4.1.1 The dangerous goods transport document shall include a certification or declaration that the consignment is acceptable for transport and that the goods are properly packaged, marked and labelled, and in proper condition for transport in accordance with the applicable regulations. The text for this certification is:

“I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.”

The certification shall be signed and dated by the consignor. Facsimile signatures are acceptable where applicable laws and regulations recognize the legal validity of facsimile signatures.

5.4.4.1.2 If the dangerous goods transport document is presented to the carrier by means of electronic data processing (EDP) or electronic data interchange (EDI) transmission techniques, the signature(s) may be replaced by the name(s) (in capitals) of the person authorized to sign.

#### 5.4.4.2 **Container packing certificate**

5.4.4.2.2 When dangerous goods are loaded into a freight container<sup>1</sup>, those responsible for supervising this operation<sup>2</sup> shall provide a "container packing certificate" certifying that the operation has been carried out in accordance with the following conditions, and identifying the person signing the certificate:

(a) The container is clean, dry and apparently fit to receive the goods;

(b) Packages have been segregated in accordance with applicable segregation requirements;

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1 For the purposes of these provisions the term "freight container" is limited to transport units meeting the definition of "container" in the International Convention for Safe Containers (CSC) signed at Geneva on 2 December 1972. The term does not include a "portable tank" as defined in 1.2.1 or a freight container being used to transport radioactive material and which complies with the IAEA requirements for freight containers.

2 Guidelines for use in practice and in training for loading goods in freight containers or vehicles have been drawn up by the International Maritime Organization (IMO) and the International Labour Organization (ILO) and have been published by IMO (IMO/ILO Guidelines for Packing Cargo in Freight Containers or Vehicles).

- (c) All packages have been externally inspected for damage, and only sound packages loaded;
- (d) All goods have been properly loaded and, where necessary, adequately braced with securing material to suit the mode(s) of transport for the intended journey;
- (e) For consignments including goods of Class 1 other than Division 1.4, the container is structurally serviceable in accordance with 7.1.3.2.1;
- (f) The container and packages are properly marked, labelled and placarded in accordance with this Part; and
- (g) A certificate or declaration, as indicated in 5.4.4.1.1, has been received for each dangerous goods consignment loaded in the container.

5.4.4.2.2 The functions of the document required in 5.4.1.2 and of the container packing certificate required in 5.4.4.2 may be incorporated in a single document. If these functions are incorporated into a single document, the inclusion of a signed declaration that the packing of the container has been carried out in accordance with the applicable modal regulations together with the identification of the person signing the declaration will suffice. If these functions are not incorporated into a single document, the relevant documents shall be attached one to the other.

#### 5.4.5 ***Emergency Response Information***

For consignments for which a dangerous goods transport document is required by these regulations, appropriate information shall be immediately available at all times for use in emergency response to accidents and incidents involving dangerous goods in transport. The information shall be available away from the packages containing the dangerous goods and immediately accessible in the event of an accident or incident.

Methods of compliance include:

- (d) Appropriate entries in the dangerous goods transport document; or
- (e) Provision of separate document such as a safety data sheet; or
- (f) Provision of separate document, such as the ICAO “Emergency Response Guidance for Aircraft Incidents Involving Dangerous Goods” or the IMO “Emergency Procedures for Ships carrying Dangerous Goods” and “Medical First Aid Guide in Accidents Involving Dangerous Goods”, for use in conjunction with the dangerous goods transport document.

#### 5.4.6 ***Additional handling Information*** (Reserved)

#### 5.4.8 ***Exemptions from Documentation***

5.4.7.1 Limited quantities of dangerous goods to which the provisions of 3.4.9 apply are exempted from the requirement for a dangerous goods transport document.