Notification of packaged dangerous goods and also liquid and solid bulk cargo

In the course of the implementation of directive 2010/65 it has to be noted that there will be a requirement to receive electronic notifications not only for dangerous goods in packaged form but as well for solid and liquid bulk cargo. The present version of IFTDGN however has been designed for dangerous goods in packed form and is not really appropriate for bulk cargoes. In segment "DGS" Data Element 8273 the only international Code referred to is the IMDG Code, which in fact is applicable to dangerous goods in packaged form only.

Oil tankers carrying crude oil or mineral oil products are subject to MARPOL Annex I. The cargo has to be described by a technical name as listed in Appendix 1 to Annex I. There is no hazard class and no UN Number assigned to MARPOL I cargoes.

Chemical tankers are subject to MARPOL Annex II and to the IBC Code. The cargoes are listed in chapters 17 and 18 of this Code by their technical names and are assigned to the pollution categories X, Y, Z or OS as appropriate. There are no hazard classes as per IMDG Code and no UN Numbers assigned. For cargo of category Y, it is required to know whether it is high viscous or not, as this determines the requirements for prewash operations in port.

Additional requirements for IBC: Hazards as assign by IBC Code (column d) "S" means that the product is included in the Code because of its safety hazards; "P" means that the product is included in the Code because of its pollution hazards; and "S/P" means that the product is included in the Code because of both its safety and pollution hazards

Gas tankers are subject to the IGC Code. Cargoes suitable for transport in gas tankers are listed in chapter 19 of this Code by their technical names. The UN Numbers are also assigned. There is no hazard class mentioned, however as only liquefied gases are concerned, a unique hazard class "2" might be used for cargoes carried under the IGC Code.

Solid bulk cargoes are subject to the IMSBC Code and are listed in this Code in individual schedules. Solid bulk cargoes are grouped into the groups A, B and C: Group A cargoes are dangerous because these cargoes are liable to liquefaction, group B cargoes have chemical hazards, group C cargoes are considered as non hazardous. Some of the cargoes in group B have assigned hazard classes and UN Numbers, same as in the IMDG Code. Other cargoes which are hazardous only when they are transported in bulk, have no UN Number assigned and are carried under the classification "MHB" (material hazardous only in bulk).

To enable the correct notification of all these various bulk cargoes, the IFTDGN message should allow notifications not only as per IMDG Code. In addition the following regulations should also be accepted as basis for notification:
- MARPOL Annex I
- IBC Code
- IGC Code
- IMSBC Code

The business rules in the DGS segment should describe the details of notifying the pollution categories according to the IBC Code and the "MHB" classification according to the IMSBC Code.

A proposal to amend the DGS segment is attached.

Proposed Amendments to IFTDGN 2.0 (part 1)

Segment: DGS
Position: 0490 (trigger segment)
Group: SG7-SG12-SG14
Level: 3
Usage: mandatory
Max Use   1

Necessary amendments
beginning from data element 8273 and ending with component element 8246

Data Element	Component Element	Data Element Summary

8273		**DANGEROUS GOODS REGULATIONS CODE**
		Code specifying a dangerous goods regulation
		GOODS HAZARD REGULATION CODED
		   IMD International Maritime Dangerous Goods Code (IMDG Code)
		   IMS International Maritime Solid Bulk Cargoes Code (MSBC Code)
		   MAR MARPOL Annex I (for mineral oil tankers only)
		   IBC International Bulk Chemicals Code (IBC Code)
		   IGC International Gas Carrier Code (IGC Code)
		
		   ADN European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (ADN Code)

C205		**HAZARD CODE** The identification of the dangerous goods in code
	8351	**Hazard identification code** Code identifying a hazard **Business Rules:** *for IMD: hazard class as assigned by IMDG Code* *for IMS: numeric hazard class or "MHB" for Group B cargo* *"NONE" for Group A or Group C cargo* *for MAR: "NONE"* ==*for IBC: Hazards as assign by IBC Code (column d)*== == *"S", "P" or "S/P"*== *for IGC: "2", "2.1", "2.2" or "2.3"*
	8078	**Additional hazard classification identifier** To identify an additional hazard classification **Business Rules:** *for IBC: "X", "Y", "Z" or "OS" as appropriate* *for IMS: "GroupA" or "GroupC" as appropriate*
	8092	**Hazard code version identifier** To identify the version number of a hazard code. *GOODS HAZARD REGULATIONS AMENDED NUMBER*

C234		**UNDG INFORMATION** Information on dangerous goods, taken from the United Nations dangerous goods classification
	7124	**United Nations Dangerous Goods (UNDG) Identifier** The unique serial number assigned within the United Nations to substances and articles contained in a list of the dangerous goods most commonly carried in packaged form **Business Rules:** *for IMD: as assigned by IMDG Code* *for IMS: when assigned by IMSBC Code, otherwise "0000"* *for MAR: "0000"* *for IBC: "0000"* *for IGC: as assigned by IGC Code* *for ADN: as assigned by ADN Code*
	7088	**Dangerous goods flashpoint description** To describe the flahspoint of dangerous goods. **Business Rules:** Required for IBC and MAR bulk cargo. GOODS HAZARD FLASHPOINT RANGE: *NF - not flammable* *GT60CEL - flashpoint greater than 60 degrees Celsius* *LE60CEL - flashpoint less or equal than 60 degrees Celsius*

C223		**DANGEROUS GOODS SHIPMENT FLASHPOINT**
		
		Business rules:
		Required for IMD cargo
		  - when hazard class (component 8351) is "3", or
		  - when subsidiary risk (component 8246) is "3"
		Required for IBC and MAR cargo
		  - when flashpoint range (component 7088) is "LE60CEL"

	7106	**Shipment flashpoint degree** To specify the value of the flashpoint of a shipment *GOODS HAZARD FLASHPOINT O*
	6411	**Measurement unit code** Code specifying the unit of measurement. *GOODS HAZARD FLASHPOINT UNIT C* *CEL Degree Celsius*

C236		**DANGEROUS GOODS LABEL** Markings identifying the type of hazardous goods and similar information.
	8246	**Dangerous goods marking identifier** To identify the marking of dangerous goods. GOODS HAZARD REGULATIONS SUBSIDIARY RISK
	8246	*for IMD: subsidiary risk according to IMDG Code*
	8246	

Proposed Amendments to IFTDGN 2.0 (part 2)

Segment: FTX
Position: 0500
Group: SG7-SG12-SG14
Level: 4
Usage: optional
Max Use   1

Necessary amendments
beginning from data element 4451 and ending with component element 4441

Data Element	Component Element	Data Element Summary
4451		**TEXT SUBJECT QUALIFIER** Code qualifying the subject of the text *AAC Dangerous goods additional information*
4453		**TEXT FUNCTION, CODED** Code specifying the function of free text.
C107		**TEXT REFERENCE** Coded reference to a standard text and its source.
	4441	**Free text identification** Code specifying free form text *GOODS ADDITIONAL HAZARD INDICATOR* *A Additional Information* *F Fumigation Information* *HE Harmful to the marine environment (only for solid bulk cargo)* *HV highly viscous (only for category Y liquid bulk)* *P Marine pollutant (only for packaged dangerous goods)* *R Radioactive Information*

Remark: "PP – severe marine pollutant does no longer exist in the IMDG Code

07.12.2017