

Dangerous Goods Addendum

for IFTMBF Message Implementation Guide

This addendum describes Dangerous Goods related fields, examples and usage rules for IFTMBF booking requests. It is intended to help users understand where DG information is placed in the message and how it should be sent.

How to read this addendum

- **Red text** shows the exact qualifier, code or value explained in the row.
- **Req.** shows whether the field is mandatory, dependent or optional.
- **EDI example** shows how the segment may look like the booking request.
- **Segment / Element / Qualifiers** shows where the value belongs in the message structure.
- **Validations / Additional comments** explains when to use the field and what rules apply.

Req. legend:

M = Mandatory

D = Dependent / Conditional

O = Optional

No.	Req.	Field name	EDI example	Segment / Element / Qualifiers	Validations / Additional comments
1	O	Dangerous Goods Regulation Code	DGS+ IMD +3+1993+49.5:CEL+2+F-E,S-E' DGS+ CFR +3+1993+49.5:CEL++F-D,S-U'	DGS / 8273	Identifies the dangerous goods regulation used for the cargo. HL examples show: IMD = IMO IMDG Code CFR = IMO IMDG Code for North America
2	M	IMO Classification	DGS+IMD+ 3 +1993+49.5:CEL+2+F-E,S-E'	DGS / C205 / 8351	Identifies the primary dangerous goods class.

No.	Req.	Field name	EDI example	Segment / Element / Qualifiers	Validations / Additional comments
3	O	UN Number	DGS+IMD+3+1993+49.5:CEL+2+F-E,S-E'	DGS / C234 / 7124	Identifies the UN number of the dangerous substance or article.
4	O	Flashpoint Temperature	DGS+IMD+3+49.5:CEL+2+F-E,S-E'	DGS / C223 / 7106 + 6411	Use when flashpoint is applicable. The first part is the temperature value, the second part is the unit of measure.
5	O	Packing Group	DGS+IMD+3+1993+49.5:CEL+2+F-E,S-E'	DGS / 8339	Identifies the packing group. Common values: 1 = Great danger 2 = Medium danger 3 = Minor danger
6	O	EMS Number	DGS+IMD+3+1993+49.5:CEL+2+F-E,S-E'	DGS / 8364	Identifies the Emergency Schedule number for ships carrying dangerous goods.
7	O	Additional IMO Class / Sub Risk	DGS+IMD+8+2922+2+F-A,S-B+++6.1:8'	DGS / C236 / 8246	Use when subsidiary risks apply in addition to the primary DG class.
8	M	Proper Shipping Name	FTX+AAD++PSN+PROPER DANGEROUS SHIPPING NAME'	FTX / 4451 = AAD / 4441 = PSN	Identifies the proper dangerous goods shipping name.
9	D	Technical Name	FTX+AAD++TN+DANGEROUS GOODS TECHNICAL SHIPPING NAME'	FTX / 4451 = AAD / 4441 = TN	Use when a technical name is required in addition to the proper shipping name.
10	D	Limited Quantity Indicator	FTX+AAD++TLQ'	FTX / 4451 = AAD / 4441 = TLQ	Use when the dangerous goods are shipped as limited quantities.
11	D	Excepted Quantity Indicator	FTX+AAD++TEQ:122:ZZZ+E0'	FTX / 4451 = AAD / 4441 = TEQ	Use when the dangerous goods are shipped as excepted quantities.
12	O	General Dangerous Goods Comments	FTX+AAC+++DANGEROUS GOODS ADDITIONAL INFORMATION'	FTX / 4451 = AAC	Use for additional dangerous goods remarks when required.

No.	Req.	Field name	EDI example	Segment / Element / Qualifiers	Validations / Additional comments
13	D	Marine Pollutant	FTX+AAC++ P'	FTX / 4451 = AAC / 4441 = P	Use when the cargo must be declared as marine pollutant.
14	D	UN Number Variant	FTX+AAC++ CVL:122:ZZZ+102'	FTX / 4451 = AAC / 4441 = CVL	Use when a coded variant is required to further identify the DG cargo.
15	D	Inhalant Hazard	FTX+AAC++ IHL:122:ZZZ+A'	FTX / 4451 = AAC / 4441 = IHL	Use when inhalant hazard applies.
16	D	Reportable Quantity	FTX+AAC++ RQ:122:ZZZ'	FTX / 4451 = AAC / 4441 = RQ	Use when the cargo must be declared as Reportable Quantity.
17	D	Emergency Response Guide Number	FTX+AAC++ ERG:122:ZZZ+129P'	FTX / 4451 = AAC / 4441 = ERG	Use to send the Emergency Response Guide Number.
18	D	STCC Number	FTX+AAC++ STC:122:ZZZ+55667788'	FTX / 4451 = AAC / 4441 = STC	Use when the STCC number is required.
19	D	Segregation Group	FTX+AAC++ SEG:122:ZZZ+SGG7'	FTX / 4451 = AAC / 4441 = SEG	Use when segregation group information is required.
20	D	Waste Indicator	FTX+AAC++ WASTE:122:ZZZ'	FTX / 4451 = AAC / 4441 = WASTE	Use when the DG cargo is waste.
21	D	HOT Indicator	FTX+AAC++ HOT:122:ZZZ'	FTX / 4451 = AAC / 4441 = HOT	Use when the DG cargo must be declared as hot goods.
22	D	OIL Indicator	FTX+AAC++ OIL:122:ZZZ'	FTX / 4451 = AAC / 4441 = OIL	Use when oil related DG content must be identified.
23	D	Emergency Temperature	FTX+AEB++ ETMP:122:ZZZ+15:CEL'	FTX / 4451 = AEB / 4441 = ETMP	Use when emergency temperature must be declared.

No.	Req.	Field name	EDI example	Segment / Element / Qualifiers	Validations / Additional comments
24	D	Control Temperature	FTX+AEB++ CTMP :122:ZZZ+ 16:CEL '	FTX / 4451 = AEB / 4441 = CTMP	Use when control temperature must be declared.
25	D	Self-Accelerating Polymerizing Temperature (SAPT)	FTX+AEB++ SAPT :122:ZZZ+ 13:CEL '	FTX / 4451 = AEB / 4441 = SAPT	Use when SAPT must be declared.
26	D	Self-Accelerating Decomposition Temperature (SADT)	FTX+AEB++ SADT :122:ZZZ+ 14:CEL '	FTX / 4451 = AEB / 4441 = SADT	Use when SADT must be declared.
27	D	IMO Packaging Code	FTX+PKG++1A2'	FTX / 4451 = PKG	Use to send the IMO packaging code.
28	D	Handling Instruction - Empty Uncleaned Receptacle	FTX+HAN++4'	FTX / 4451 = HAN / 4441 = 4	Use when the receptacle must be declared as empty uncleaned receptacle.
29	M	Emergency Contact Name	CTA+HE+:EMERGENCY CONTACT'	CTA / 3139 = HE	Identifies the emergency dangerous goods contact.
30	O	Emergency Contact Phone	COM+123 45 6677:TE'	COM / C076 / 3155 = TE	Identifies the telephone number of the emergency dangerous goods contact.
31	D	Net Explosive Weight	MEA+WT+AAF+KGM:1.135'	MEA / 6311 = WT / C502 / 6313 = AAF	Use for dangerous goods of class 1 when net explosive weight must be declared.
32	D	Fumigation Date and Time	NAD+SU' DTM+530:202210251530:203'	NAD / 3035 = SU DTM / 2005 = 530	Use when fumigation date and time must be declared. If the fumigation date is sent, the time must also be sent.
33	D	Type and Amount of Fumigant	FTX+FMG+++Fumigation Type' or	FTX / 4451 = FMG or	Use to describe the fumigation type and amount used.

No.	Req.	Field name	EDI example	Segment / Element / Qualifiers	Validations / Additional comments
			FTX+SSR++FMG:130:ZZZ+100 pills of phosphamine'	FTX / 4451 = SSR / 4441 = FMG	
34	D	NA Number	DGS+CFR+3+1993+49.5:CEL++F-D,S-U'	DGS / CFR related usage	Use when NA number related handling is required.
35	O	Emergency Contract Reference	CTA+HE+ 283949494 :EMERGENCY CONTACT'	CTA / C056 / 3413	Optional 3rd party emergency support contract reference.

Complete Dangerous Goods Example

The following example shows a complete Dangerous Goods booking request fragment for reference.

GID+1+20:CR:::CRATE+60:CT:::CARTONS'
 PIA+5+280000:HS'
 FTX+AAA+++CHEMICALS'
 MEA+WT+AAE+KGM:5100'
 MEA+WT+AAL+KGM:5000'
 MEA+VOL+AAW+MTQ:2'
 RFF+ON:CARGO PURCHASE ORDER NO'
 SGP+01'
 DGS+IMD+9+3077++3'
 FTX+AAD++PSN+ENVIRONMENTALLY HAZARDOUS SUBSTANCE'
 FTX+AAD++TN+CONTAINS METIRAM 70%'
 FTX+AAD++TLQ'
 FTX+AAC++P'
 FTX+AAC+++DG ADDITIONAL INFORMATION'
 CTA+HE+:DG EMERGENCY CONTACT'
 COM+123 45 6677:TE'

Complete Dangerous Goods Example 2

The following example combines several newly added qualifiers in one complete message fragment.

```
GID+1+50:1A1:67:54:STEEL DRUMS'  
PIA+5+292111:HS'  
FTX+AAA+++ORGANOMETALLIC SUBSTANCE'  
MEA+AAE+G+KGM:13000.135'  
MEA+AAE+AAL+KGM:12000.135'  
DGS+CFR+4.3:3:40-20+3399+18:CEL+1+F-GS-N++345++3'  
FTX+AAC++CVL:122:ZZZ+1000'  
FTX+AAC++RQ:122:ZZZ'  
FTX+AAC++ERG:122:ZZZ+138'  
FTX+AAC++IHL:122:ZZZ+A'  
FTX+AAC++SEG:122:ZZZ+SGG7'  
FTX+AAC++STC:122:ZZZ+55667788'  
FTX+AEB++SAPT:122:ZZZ+30:CEL'  
FTX+AEB++SADT:122:ZZZ+40:CEL'  
FTX+AEB++CTMP:122:ZZZ+40:CEL'  
FTX+AEB++ETMP:122:ZZZ+55:CEL'  
FTX+AAD++PSN:122:ZZZ+ORGANOMETALLIC SUBSTANCE, LIQUID, WATER-REACTIVE, FLAMMABLE'  
FTX+AAD++TN:122:ZZZ+(Bis(diethylamide) Silane)-FULL WITH GAS CONTAINED'  
CTA+HE+283949494:EMERGENCY CONTACT'  
COM+33 3 85 42 56 46:TE'  
EQD+CN+LOGICAL001:230:ZZZ+22G0:102:5+2++4'  
EQN+1:2'  
TMD+4++CC'  
FTX+SSR++FMG:130:ZZZ+100 pills of phosphamine'  
NAD+SU'  
DTM+530:202210251530:203'
```