

Ocean Freight Industry EIPP Standards Advisory Board

Guideline 3 Version 1.0 Revision 1

Freight Invoice Message Implementation Guide for UN/EDIFACT IFTFCC

PUBLIC REVIEW DRAFT

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Revision History

Date	Version	What has changed
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2012-06-12	1.0 d3	Revised service segments
2014-10-15	1.0 d4	Inserted H-050 and H051 into FTX segment at position 0050
2014-10-15	1.0 d4	Inserted H-010.29 into RFF segment at position 0130
2014-10-15	1.0 d4	Activated FTX segment at position 0300 for use of H-012.7
2014-10-15	1.0 d4	Inserted missing value "10" for data element H-014.1 in MOA at segment at position 0160

2014-10-30	1.0 d4	Revised documentation of BGM segment at element 1001 and 1225
2014-12-08	1.0 d4	BGM Tag 1001 Changed to reflect new document types
2014-12-08	1.0 d4	FTX Pos 050, Tag 4441 at position 030 and tag 4440 at position 040: inserted Document Header
2014-12-16	1.0 d4	RFF SG13 added Fiscal Authorization Code
2015-05-19	1.0 prd1	Publication for Public Review

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1 Introduction

Based on the EIPP SAB invoice data model, this specification represents the message implementation guideline (MIG) for electronic freight invoices using the UN/EDIFACT IFTFCC D.11A message syntax.

2 Background

In 2010 carriers, freight forwarders and other players in the ocean freight industry established the EIPP Standards Advisory Board as a forum for discussing and designing collaborative processes for carriers, freight forwarders and others in the ocean freight industry. The Ocean Freight Industry EIPP Standards Advisory Board will advise on the standards that will shape electronic invoicing for the ocean freight industry. Its purpose will be to

- Understand and influence standards and regulations for electronic invoicing and to provide a roadmap for service and product development;
- Determine the implementation of current standards used in the industry;
- Determine and prioritize the adoption of future standards used by the industry;
- Allow ocean freight industry participants to take advantage of electronic business and preserve their investments in systems development and operations;
- Collaborate with colleagues, customers, and leaders with foresight in the field;
- Learn from experience and best practices in related field (e.g. other transport modes, banking, public sector);
- Provide a framework for the ocean freight Industry to influence international standards activities.

The overall vision is to establish a set of guidelines for best practices based on international standards that will ensure the adoption and long term sustainability of electronic invoicing for our industry.

For this purpose the board establishes several work teams including the work team *Message Structure & Codes*. First line target of this work team is to

- Develop a common structure for the data elements
- Define EDIFACT implementation standards
- Define how cancelation scenarios shall be reflected in the message
- Get a common understanding of accepted code lists.

3 Scope

3.1 Functional Definition

The message is sent by a carrier or his agency to request payment for conducting an ocean transport. The payment can be requested for services, disbursements or recoveries.

Receiver of the message is the shipper or any party acting on behalf of the shipper or as freight forwarder. Receiver of the message are also any party nominated by the aforementioned parties to receive an invoice for payment (like e.g. the consignee) or as a copy for information or verification.

The message provides all details to facilitate payment and enable verification against the contractual arrangement.

3.2 Principles

Being based on the EIPP SAB Invoice Message Model, this specification inherits all its principles (see § 3.2 Principles) and provides all relevant mappings with the IFTFCC data elements.

This reduces redundancy and promotes a good modularity between EIPP SAB specifications.

The concept of “Segment” described in the model can be associated in EDIFACT to possibly more than one segment and/or segment groups.

The concept of “Data Element” described in the model is practically the same as in EDIFACT, but here could be aggregated into data composites and qualified by other data elements.

The following table shows how main segments in the EIPP SAB Invoice Message Model are mapped in the IFTFCC message syntax. This mapping is a guideline for understanding but individual mappings on data element level may deviate slightly.

EIPP SAB Invoice Message Model	UN/EDIFACT IFTFCC Message Syntax
Generic Trade Details	
Invoice Header	Segment Groups # 2, 5, 11, 16 and any other segments in the root of the message (nesting level = 0)
Invoice line item	Segment Group # 6 (TCC, ...)
Supporting Industry Details	
Voyage Details	Segment Group # 17 (TDT, ...)
Cargo Item Details	Segment Group # 19 (GID, ...)
Equipment Details	Segment Group # 24 (EQD, ...)
Consignment Details	Segment Group # 28 (CNI, ...)

Freight costs and/or other charges may be related to: a single consignment, a number of consignments and/or a number of equipment, goods items and/or a vessel voyage.

Each supporting industry detail may specify details to which the given charges relate.

Freight cost codes and any other code lists are regulated by a separate guideline (EIPP SAB Codes Guideline # 4) for the purpose of facilitating their maintenance and reusability.

Other relevant IFTFCC Message capabilities are summarized hereafter:

- A consignment may contain several goods items.
- Goods items may or may not be containerized.
- A goods item may be transported in one or more containers, and a single container may contain one or more goods items.

4 Conventions and Terminology

4.1 Data Mappings

Data mappings are provided in terms of the EIPP SAB Invoice Message Model (logical model) by referencing data elements using their unique identifier.

4.2 Status Indicators

Status Indicators (M and C) form part of the UN/EDIFACT standard and indicate a minimum requirement to fulfill the needs of the message structure.

The Status Indicators are:

Indicator	Value	Description
M	Mandatory	This entity must appear in all messages. Shown as usage indicator "M" in Implementation Guidelines.
C	Conditional	This entity is used by agreement between the parties to the transaction.

A 'Conditional' Status Indicator may be represented by a supporting Usage Indicator as described in the next sub-section.

4.3 Usage Indicators

Throughout this document reference is made to indicators (M, D, O and X) which are shown adjacent to data items and which dictate for the particular message or set thereof the agreed usage of the data items or entities.

Set out below are the indicators and their respective uses:

Indicator	Value	Description
M	Mandatory	Indicates that this entity is mandatory and must be sent in this implementation.
O	Optional	Indicates that this entity is at the need or discretion of the sender of the message.
D	Dependent	Indicates that the use of the entity depends upon a well-defined condition or set of conditions (business rules) to be enforced in a specific business scenario in a business process. These conditions must be clearly specified or referenced in the relevant implementation guideline.
X	Not Used	Indicates that the entity is not to be used in this message implementation.

Please be aware that each usage indicator describes the usage of an entity within its parent entity. For example, a segment that is marked to be (M)andatory within an optional segment group must only be sent when the segment group is used.

4.4 Other Headlines used

[Data Elements]

Under this headline the data elements are listed with code and name, whose value shall be mapped to the EDIFACT data element in question.

Example:

Data elements:

```
L-017.1 Free Time  
L-017.2 Previously Billed Usage Time  
L-017.3 Gross Usage Time  
L-017.4 Charged Usage Time  
L-017.5 Free time start date  
L-017.6 Free time end date  
L-017.7 Billable time start date  
L-017.8 Billable time end date  
L-007.2 Price Calculation Date
```

[Values by data element]

Under this headline values for EDIFACT data elements or qualifiers are listed, which should be used depending on the data element to be mapped.

Example:

Values by data element:

```
C-027.2 Gross Volume unit: AAW=Gross volume  
C-028.2 Gross weight unit: G=Gross Weight
```

[Values]

Under this headline values for EDIFACT qualifiers are listed.

Example:

Values:

```
10 = Pre-carriage transport  
20 = Main-carriage transport  
30 = On-carriage transport
```

4.5 Guideline Identification

For the purpose of referencing this guideline into other guidelines, technical artifacts or the web, the following naming rules must be applied.

File name syntax:

EIPP Standards Advisory Board

OFI-EIPP-SAB-[Guideline_number]-[Document_name]-[Artifact_type]-[Version]-[Release]

URN syntax:

urn:X-ofi-sab:eipp:[Guideline_number]-[Document_name]-[Artifact_type]- Version]

URL syntax:

[OFI_SAB_domain]/[Context]/[Guideline_number]-[Document_name]-[Artifact_type]-[Version]

The above syntaxes are providing for each case either static parts and variable components.

The symbol [...] is denoting a variable component.

These are all possible static parts for all syntaxes and their meaning:

- OFI = Ocean Freight Industry
- SAB = Standards Advisory Board
- EIPP = Electronic Invoicing Presentment and Payment
- urn:X-ofi-sab:eipp: (EIPP SAB URN prefix)

These are all possible variable components for all syntaxes:

- [Guideline_number] = A unique number assigned to the guideline
- [OFI_SAB_Domain] = This denotes the public domain of the OFI EIPP SAB initiative (e.g. www.ofi-sab.org)
- [Context] = This identifies an initiative of the OFI SAB (e.g. “eipp”) or a more specialized context path like “eipp/model/v0.2/...”
- [Document_name] = InvoiceMessageIFTFCC
- [Artifact_type] = MIG (Message Implementation Guide)
- [Version]: v(Major version).(Minor version)
- [Revision]
 - D (Internal Draft)
 - PRD (Public Review Draft)
 - CS (Committee Specification)

Some Examples:

FILE NAMES:

OFI-EIPP-SAB-3-InvoiceMessage_IFTFCC-MIG-v1.0.*



URNs:

urn:X-ofi-sab:eipp:3-InvoiceMessage_IFTFCC-MIG-v1.0.*

URLs:

www.ofi-sab.org/eipp/mig/v0.2/3-InvoiceMessage_IFTFCC-MIG-v1.0.*

5 Message Structure

The following table provides the complete structure of the UN/EDIFACT IFTFCC D.11A message, with a clear indication of the reduction applied by this EIPP SAB implementation (see “Usage” column).

Table conventions:

- Mandatory segments or segment groups are showed in bold
- Unused segments or segment groups are showed with a gray background and the italic font.
- Columns 0-1-2-3-4-5-6 are indicating the nesting level of segments and segment groups.

Pos.	Tag	Name	Status	Rep.	Usage	6	5	4	3	2	1	0
	UNA	Service string advice	C	1	O							
	UNB	Interchange header	M	1	M							
	UNG	Functional group header	C	1	O							
0010	UNH	Message header	M	1	M							
0020	BGM	Beginning of message	M	1	M							
0030	CTA	Contact information	C	1	M							
0040	COM	Communication contact	C	9	M							
0050	FTX	Free text	C	99	O							
0060	DTM	Date/time/period	C	9	M							
0070	<i>TSR</i>	<i>Transport service requirements</i>	<i>C</i>	<i>9</i>	<i>X</i>							
0080	<i>DOC</i>	<i>Document/message details</i>	<i>C</i>	<i>9</i>	<i>X</i>							
0090	<i>SG1</i>	<i>Segment Group # 1</i>	<i>C</i>	<i>9</i>	<i>X</i>							
0100	<i>LOC</i>	<i>Place/location identification</i>	<i>M</i>	<i>1</i>	<i>X</i>							
0110	<i>DTM</i>	<i>Date/time/period</i>	<i>C</i>	<i>9</i>	<i>X</i>							
0120	SG2	Segment Group # 2	C	9	M							
0130	RFF	Reference	M	1	M							
0140	DTM	Date/time/period	C	9	O							
0150	SG3	Segment Group # 3	C	99	M							
0160	MOA	Monetary amount	M	1	M							
0170	<i>PCD</i>	<i>Percentage details</i>	<i>C</i>	<i>1</i>	<i>X</i>							
0180	SG4	Segment Group # 4	C	9	D							
0190	TAX	Duty/tax/fee details	M	1	M							
0200	PCD	Percentage details	C	1	M							
0210	MOA	Monetary amount	C	2	M							
0220	SG5	Segment Group # 5	C	9	O							
0230	CUX	Currencies	M	1	M							
0240	DTM	Date/time/period	C	9	M							

Pos.	Tag	Name	Status	Rep.	Usage	6	5	4	3	2	1	0
0250	SG6	Segment Group # 6 – Line Items	C	999	M							
0260	TCC	Charge/rate calculations	M	1	M							
0270	LOC	Place/location identification	C	9	O							
0280	DTM	Date/time/period	C	9	D							
0290	RFF	Reference	C	9	D							
0300	FTX	Free text	C	9	D							
0310	PCD	Percentage details	C	9	D							
0320	QTY	Quantity	C	9	D							
0330	SG7	Segment Group # 7	C	9	D							
0340	PRI	Price details	M	1	M							
0350	<i>CUX</i>	<i>Currencies</i>	<i>C</i>	<i>9</i>	<i>X</i>							
0360	SG8	Segment Group # 8	C	9	M							
0370	MOA	Monetary amount	M	1	M							
0380	SG9	Segment Group # 9	C	1	D							
0390	CUX	Currencies	M	1	M							
0400	DTM	Date/time/period	C	1	M							
0410	<i>PCD</i>	<i>Percentage details</i>	<i>C</i>	<i>1</i>	<i>X</i>							
0420	SG10	Segment Group # 10	C	1	O							
0430	TAX	Duty/tax/fee details	M	1	M							
0440	PCD	Percentage details	C	1	M							
0450	SG11	Segment Group # 11 - Parties	C	99	M							
0460	NAD	Name and address	M	1	M							
0470	FII	Financial institution information	C	9	D							
0480	LOC	Place/location identification	C	9	O							
0490	SG12	Segment Group # 12	C	9	D							
0500	CTA	Contact information	M	1	M							
0510	COM	Communication contact	C	9	M							
0520	SG13	Segment Group # 13	C	9	D							
0530	RFF	Reference	M	1	M							
0540	<i>DTM</i>	<i>Date/time/period</i>	<i>C</i>	<i>9</i>	<i>X</i>							
0550	<i>SG14</i>	<i>Segment Group # 14</i>	<i>C</i>	<i>5</i>	<i>X</i>							
0560	<i>TOD</i>	<i>Terms of delivery or transport</i>	<i>M</i>	<i>1</i>	<i>X</i>							
0570	<i>LOC</i>	<i>Place/location identification</i>	<i>C</i>	<i>2</i>	<i>X</i>							
0580	<i>SG15</i>	<i>Segment Group # 15</i>	<i>C</i>	<i>9</i>	<i>X</i>							
0590	<i>CPI</i>	<i>Charge payment instructions</i>	<i>M</i>	<i>1</i>	<i>X</i>							
0600	<i>CUX</i>	<i>Currencies</i>	<i>C</i>	<i>1</i>	<i>X</i>							
0610	<i>LOC</i>	<i>Place/location identification</i>	<i>C</i>	<i>9</i>	<i>X</i>							
0620	<i>MOA</i>	<i>Monetary amount</i>	<i>C</i>	<i>9</i>	<i>X</i>							

Pos.	Tag	Name	Status	Rep.	Usage	6	5	4	3	2	1	0
0630	SG16	Segment Group # 16 – Payment Terms	C	5	M							
0640	PYT	Payment terms	M	1	M							
0650	DTM	Date/time/period	C	5	M							
0660	PCD	Percentage details	C	1	X							
0670	MOA	Monetary amount	C	1	X							
0680	SG17	Segment Group # 17 – Voyage Details	C	99	D							
0690	TDT	Transport information	M	1	M							
0700	TCC	Charge/rate calculations	C	99	D							
0710	DTM	Date/time/period	C	9	D							
0720	LOC	Place/location identification	C	9	X							
0730	SG18	Segment Group # 18	C	9	O							
0740	RFF	Reference	M	1	M							
0750	DTM	Date/time/period	C	1	X							
0760	SG19	Segment Group # 19 – Cargo Item Details	C	99	D							
0770	GID	Goods item details	M	1	M							
0780	TCC	Charge/rate calculations	C	99	O							
0790	HAN	Handling instructions	C	1	X							
0800	TMP	Temperature	C	1	X							
0810	TMD	Transport movement details	C	1	X							
0820	LOC	Place/location identification	C	9	X							
0830	PCI	Package identification	C	9	D							
0840	PIA	Additional product id	C	9	D							
0850	FTX	Free text	C	9	D							
0860	SG20	Segment Group # 20	C	9	D							
0870	MEA	Measurements	M	1	M							
0880	EQN	Number of units	C	1	X							
0890	SG21	Segment Group # 21	C	9	X							
0900	DIM	Dimensions	M	1	X							
0910	EQN	Number of units	C	1	X							
0920	SG22	Segment Group # 22 – Cargo References	C	9	O							
0930	RFF	Reference	M	1	M							
0940	DTM	Date/time/period	C	1	X							
0950	SG23	Segment Group # 23 – Dangerous Goods	C	9	D							
0960	DGS	Dangerous goods	M	1	M							
0970	FTX	Free text	C	1	X							

Pos.	Tag	Name	Status	Rep.	Usage	6	5	4	3	2	1	0
0980	SG24	Segment Group # 24 – Equipment Details	C	999	D							
0990	EQD	Equipment details	M	1	M							
1000	TCC	Charge/rate calculations	C	99	D							
1010	EQN	Number of units	C	1	X							
1020	TMD	Transport movement details	C	1	X							
1030	MEA	Measurements	C	9	D							
1040	DIM	Dimensions	C	9	D							
1050	SEL	Seal number	C	99	X							
1060	TPL	Transport placement	C	9	X							
1070	FTX	Free text	C	9	D							
1080	SG25	Segment Group # 25 – Equipment References	C	9	D							
1090	RFF	Reference	M	1	M							
1100	DTM	Date/time/period	C	9	X							
1110	SG26	Segment Group # 26	C	9	X							
1120	NAD	Name and address	M	1	X							
1130	DTM	Date/time/period	C	1	X							
1140	SG27	Segment Group # 27	C	99	X							
1150	EQA	Attached equipment	M	1	X							
1160	EQN	Number of units	C	1	X							
1170	SG28	Segment Group # 28 – Consignment Details	C	99	D							
1180	CNI	Consignment information	M	1	M							
1190	TCC	Charge/rate calculations	C	99	D							
1200	DTM	Date/time/period	C	9	X							
1210	TSR	Transport service requirements	C	9	X							
1220	FTX	Free text	C	9	X							
1230	MOA	Monetary amount	C	9	X							
1240	SG29	Segment Group # 29	C	9	X							
1250	CUX	Currencies	M	1	X							
1260	DTM	Date/time/period	C	9	X							
1270	SG30	Segment Group # 30	C	9	X							
1280	LOC	Place/location identification	M	1	X							
1290	DTM	Date/time/period	C	9	X							
1300	SG31	Segment Group # 31	C	9	D							
1310	RFF	Reference	M	1	M							
1320	DTM	Date/time/period	C	9	X							
1330	SG32	Segment Group # 32	C	5	X							
1340	TOD	Terms of delivery or transport	M	1	X							
1350	LOC	Place/location identification	C	2	X							
1360	SG33	Segment Group # 33	C	9	X							
1370	CPI	Charge payment instructions	M	1	X							
1380	CUX	Currencies	C	1	X							
1390	LOC	Place/location identification	C	9	X							

Pos.	Tag	Name	Status	Rep.	Usage	6	5	4	3	2	1	0
1400	MOA	Monetary amount	C	9	X							
1410	SG34	Segment Group # 34	C	99	X							
1420	TDT	Transport information	M	1	X							
1430	DTM	Date/time/period	C	9	X							
1440	LOC	Place/location identification	C	9	X							
1450	RFF	Reference	C	9	X							
1460	SG35	Segment Group # 35	C	99	X							
1470	NAD	Name and address	M	1	X							
1480	SG36	Segment Group # 36	C	9	X							
1490	CTA	Contact information	M	1	X							
1500	COM	Communication contact	C	9	X							
1510	RFF	Reference	C	9	X							
1520	SG37	Segment Group # 37	C	99	X							
1530	GID	Goods item details	M	1	X							
1540	TCC	Charge/rate calculations	C	99	X							
1550	HAN	Handling instructions	C	1	X							
1560	TMP	Temperature	C	1	X							
1570	TMD	Transport movement details	C	1	X							
1580	LOC	Place/location identification	C	9	X							
1590	PCI	Package identification	C	9	X							
1600	PIA	Additional product id	C	9	X							
1610	FTX	Free text	C	9	X							
1620	SG38	Segment Group # 38	C	9	X							
1630	MEA	Measurements	M	1	X							
1640	EQN	Number of units	C	1	X							
1650	SG39	Segment Group # 39	C	9	X							
1660	DIM	Dimensions	M	1	X							
1670	EQN	Number of units	C	1	X							
1680	SG40	Segment Group # 40	C	9	X							
1690	RFF	Reference	M	1	X							
1700	DTM	Date/time/period	C	1	X							
1710	SG41	Segment Group # 41	C	9	X							
1720	DGS	Dangerous goods	M	1	X							
1730	FTX	Free text	C	1	X							
1740	SG42	Segment Group # 42	C	999	X							
1750	EQD	Equipment details	M	1	X							
1760	TCC	Charge/rate calculations	C	99	X							
1770	EQN	Number of units	C	1	X							
1780	TMD	Transport movement details	C	1	X							
1790	MEA	Measurements	C	9	X							
1800	DIM	Dimensions	C	9	X							
1810	SEL	Seal number	C	99	X							

Pos.	Tag	Name	Status	Rep.	Usage	6	5	4	3	2	1	0
1820	TPL	Transport placement	C	9	X							
1830	FTX	Free text	C	9	X							
1840	SG43	Segment Group # 43	C	9	X							
1850	RFF	Reference	M	1	X							
1860	DTM	Date/time/period	C	9	X							
1870	SG44	Segment Group # 44	C	9	X							
1880	NAD	Name and address	M	1	X							
1890	DTM	Date/time/period	C	1	X							
1900	SG45	Segment Group # 45	C	99	X							
1910	EQA	Attached equipment	M	1	X							
1920	EQN	Number of units	C	1	X							
1930	UNT	Message Trailer	M	1	M							
	UNE	Functional Group Trailer	C	1	O							
	UNZ	Interchange Trailer	M	1	M							

6 Message Details

This section provides a detailed description of each IFTFCC segment implemented by this specification (see the “Message Structure” previous section) and the respective (mapped) data elements in the EIPP SAB Invoice Message Model.

Each segment listed below is provided in sequence by following the IFTFCC structure and thus it is nested in its segment group. This reason the specification can be easily navigated by identifying the desired segment group.

Table conventions:

- Unused data elements are provided with an italic font and are marked with an “X” flag on the “Usage” column.

Headers

Segment: **UNA** Service String Advice

Position : _____
Group : _____
Level : 0
Status : C
Usage : O
Repeats : 1
Purpose : _____
Usage Notes : Default data delimiters are recommended.

TAG	Element Name	Status	Type	Usage
U001	COMPONENT DATA ELEMENT SEPARATOR	M	a1	M
U002	DATA ELEMENT SEPARATOR	M	a1	M
U003	DELIMITER NOTATION	M	an1	M
U004	RELEASE INDICATOR	M	an1	M
U005	RESERVED FOR FUTURE USE	M	an1	M
U006	SEGMENT TERMINATOR	M	an1	M

Segment: UNB Interchange Header

Position : _____
Group : _____
Level : 0
Status : M
Usage : M
Repeats : 1
Purpose : To identify an interchange
Usage Notes : _____

Pos.	TAG	Element Name	Status	Type	Usage
010	S001	SYNTAX IDENTIFIER	M		M
		Identification of the agency controlling the syntax, the syntax level and version number, and the service code directory.			
	0001	Syntax identifier	M	a4	M
		Coded identification of the agency controlling the syntax, and of the character repertoire used in an interchange.			
	0002	Syntax version number	M	an1	M
		Version number of the syntax.			
	0080	Service code list directory version number	C	an..6	X
		Version number of the service code list directory.			
	0133	Character encoding, coded	C	an..3	X
		Coded identification of the character encoding used in the interchange.			
	0076	Syntax release number	C	an2	O
		The number of a syntax release (within an existing syntax version number).			
020	S002	INTERCHANGE SENDER	M		M
		Identification of the sender of the interchange.			
	0004	Interchange sender identification	M	an..35	M
		Name or coded identification of the sender of the interchange.			
	0007	Identification code qualifier	C	an..4	O
		Qualifier referring to the identification code.			
	0008	Interchange sender internal identification	C	an..35	O
		Identification (for example, a division, branch or computer system/process) specified by the sender of interchange, to be included if agreed, by the recipient in response interchanges, to facilitate internal routing.			
	0042	Interchange sender internal sub-identification	C	an..35	O
		Sub-level of sender internal identification, when further sub-level identification is required.			
030	S003	INTERCHANGE RECIPIENT	M		M
		Identification of the recipient of the interchange.			
	0010	Interchange recipient identification	M	an..35	M
		Name or coded identification of the recipient of the interchange.			
	0007	Identification code qualifier	C	an..4	O

		Qualifier referring to the identification code.			
	14	Interchange recipient internal identification	C	an..35	O
		Identification (for example, a division, branch or computer system/process) specified by the recipient of interchange, to be included if agreed, by the sender in response interchanges, to facilitate internal routing.			
	46	Interchange recipient internal sub-identification	C	an..35	O
		Sub-level of recipient internal identification, when further sub-level identification is required.			
040	S004	DATE AND TIME OF PREPARATION	M		M
		Date and time of preparation of the interchange.			
	17	Date	M	n8	M
		Local date when an interchange or a group was prepared..			
	19	Time	M	n4	M
		Local time of day when an interchange or a group was prepared.			
050	20	INTERCHANGE CONTROL REFERENCE	M	an..14	M
		Unique reference assigned by the sender to an interchange.			
060	S005	RECIPIENT REFERENCE/PASSWORD DETAILS	C		O
		Reference or password as agreed between the communicating partners.			
	22	Recipient reference/password	M	an..14	M
		Reference or password to the recipient's system or to a third party network as specified in the partners' interchange agreement.			
	25	Recipient reference/password qualifier	C	an2	O
		Qualifier for the recipient's reference or password.			
070	26	APPLICATION REFERENCE	C	an..14	O
		Identification of the application area assigned by the sender, to which the messages in the interchange relate e.g. the message type, if all the messages in the interchange are of the same type.			
080	29	PROCESSING PRIORITY CODE	C	a1	O
		Code determined by the sender requesting processing priority for the interchange.			
090	31	ACKNOWLEDGEMENT REQUEST	C	n1	O
		Code requesting acknowledgement for the interchange.			
100	32	INTERCHANGE AGREEMENT IDENTIFIER	C	an..35	O
		Identification by name or code of the type of agreement under which the interchange takes place.			
110	35	TEST INDICATOR	C	n1	O
		Indication that the structural level containing the test indicator is a test.			

Segment: UNG Functional Group Header

Position : _____
Group : _____
Level : 0
Status : C
Usage : O
Repeats : 1
Purpose : To head, identify and specify a group of messages and/or packages, which may be used for internal routing and which may contain one or more message types and/or packages.

Usage Notes : _____

Pos.	TAG	Element Name	Status	Type	Usage
010	0038	MESSAGE GROUP IDENTIFICATION	C	an..6	M
		Identification of the single message type in the group. Values: Always: IFTFCC			
020	S006	APPLICATION SENDER IDENTIFICATION	C		O
		Sender identification of for example a division, branch or application computer system/process.			
	0040	Application sender identification	M	an..35	M
		Name or coded identification of the application sender (for example, a division, branch or computer system/process).			
	0007	Identification code qualifier	C	an..4	O
		Qualifier referring to the identification code.			
030	S007	APPLICATION RECIPIENT IDENTIFICATION	C		O
		Recipient identification of for example a division, branch or application computer system/process.			
	0044	Application recipient identification	M	an..35	M
		Name or coded identification of the application recipient (for example, a division, branch or computer system/process).			
	0007	Identification code qualifier	C	an..4	O
		Qualifier referring to the identification code..			
040	S004	DATE AND TIME OF PREPARATION	C		O
		Date and time of preparation of the interchange.			
	0017	Date	M	n8	M
		Local date when an interchange or a group was prepared.			
	0019	Time	M	n4	M
		Local time of day when an interchange or a group was prepared.			

050	0048	GROUP REFERENCE NUMBER	M	an..14	M
		Unique reference number for the group within an interchange.			
060	0051	CONTROLLING AGENCY, CODED	C	an..3	M
		Code identifying a controlling agency. Values: Always: UN			
070	S008	MESSAGE VERSION	C		O
		Specification of the version and release numbers of all of the messages of a single type in the group.			
	0052	Message version number	M	an..3	M
		Version number of a message type. Values: Always: D			
	0054	Message release number	M	an..3	M
		Release number within the current message version number. Values: Always: 11A			
	0057	Association assigned code	C	an..6	M
		Code, assigned by the association responsible for the design and maintenance of the message type concerned, which further identifies the message. Values: Always: OFI10			
080	0058	APPLICATION PASSWORD	C	an..14	X
		Password to the recipient's division, department or sectional application system/process.			

Segment: UNH Message Header

Position :	0010
Group :	
Level :	0
Status :	M
Usage :	M
Repeats :	1
Purpose :	To head, identify and specify a message.
Usage Notes :	<p>1. Data element S009/0057 is retained for upward compatibility. The use of S016 and/or S017 is encouraged in preference.</p> <p>2. The combination of the values carried in data elements 0062 and S009 shall be used to identify uniquely the message within its group (if used) or if not used, within its interchange, for the purpose of acknowledgement.</p>
Example :	UNH+INV001+IFTFCC:D:11A:UN:OFI10+++ OFI-EIPP-SAB:1+3:D2+01-00 '

Pos.	TAG	Element Name	Status	Type	Usage
010	0062	MESSAGE REFERENCE NUMBER	M	an..14	M
		Unique message reference assigned by the sender.			
020	S009	MESSAGE IDENTIFIER	M		M
		Identification of the type, version, etc. of the message being interchanged.			
	0065	Message type	M	an..6	M
		Code identifying a type of message and assigned by its controlling agency. Values: Always: IFTFCC			
	0052	Message version number	M	an..3	M
		Version number of a message type. Values: Always: D			
	0054	Message release number	M	an..3	M
		Release number within the current message version number. Values: Always: 11A			
	0051	Controlling agency, coded	M	an..3	M
		Code identifying a controlling agency. Values: Always: UN			
	0057	Association assigned code	C	an..6	M
		Code, assigned by the association responsible for the design and maintenance of the message type concerned, which further identifies the message. Values: Always: OFI10			

	0110	Code list directory version number	C	an..6	X
		Version number of the code list directory. (this is implicit by using the above "OFI10" Association assigned code)			
	0113	Message type sub-function identification	C	an..6	X
		Code identifying a sub-function of a message type.			
030	0068	COMMON ACCESS REFERENCE	C	an..35	O
		Reference serving as a key to relate all subsequent transfers of data to the same business case or file.			
040	S010	STATUS OF THE TRANSFER	C		O
		Statement that the message is one in a sequence of transfers relating to the same topic.			
	0070	Sequence of transfers	M	n..2	M
		Number assigned by the sender indicating the transfer sequence of a message related to the same topic. The message could be an addition or a change to an earlier transfer related to the same topic.			
	0073	First and last transfer	C	a1	O
		Indication used for the first and last message in a sequence of messages related to the same topic.			
050	S016	MESSAGE SUBSET IDENTIFICATION	C		O
		Identification of a message subset by its identifier, version, release and source.			
	0115	Message subset identification	M	an..14	M
		Coded identification of a message subset, assigned by its controlling agency. Values: Always: OFI-EIPP-SAB			
	0116	Message subset version number	C	an..3	M
		Version number of the message subset.			
	0118	Message subset release number	C	an..3	O
		Release number within the message subset version number.			
	0051	Controlling agency, coded	C	an..3	X
		Code identifying a controlling agency.			
060	S017	MESSAGE IMPLEMENTATION GUIDELINE IDENTIFICATION	C		O
		Identification of a message implementation guideline by its identifier, version, release and source.			
	0121	Message implementation guideline identification	M	an..14	M
		Coded identification of the message implementation guideline, assigned by its controlling agency. Values: Always: 3			
	0122	Message implementation guideline version number	C	an..3	M

		Version number of the message implementation guideline. Values: Example: 1			
	0124	Message implementation guideline release number	C	an..3	O
		Release number within the message implementation guideline version number. Values: Example: 1			
	0051	<i>Controlling agency, coded</i>	C	an..3	X
		<i>Code identifying a controlling agency.</i>			
070	S018	SCENARIO IDENTIFICATION	C		O
		Identification of a scenario.			
	0127	Scenario identification	M	an..14	M
		Code identifying scenario. Data elements: H-003 Invoice Scenario			
	0128	Scenario version number	C	an..3	O
		Version number of a scenario.			
	0130	Scenario release number	C	an..3	O
		Release number within the scenario version number.			
	0051	Controlling agency, coded	C	an..3	X
		Code identifying a controlling agency.			

BGM-CTA-COM-FTX-DTM

Segment: BGM Beginning of message

Position : 0020
Group :
Level : 0
Status : M
Usage : M
Repeats : 1
Purpose : To indicate the type and function of a message and to transmit the identifying number.
Usage Notes : To communicate invoice number, type and scenario from the invoice header.

Pos.	TAG	Element Name	Status	Type	Usage
010	C002	DOCUMENT/MESSAGE NAME	C		M
		Identification of a type of document/message by code or name. Code preferred.			
	1001	Document name code.	C	an..3	M
		Code specifying the document name. Data elements: H-002 Invoice Type. Values: 780 = Freight invoice 381 = Credit Note = Reversal of an Invoice 389 = Self-Bill (invoice issuer grants money to invoice receiver) 383 = Debit Note = Reversal of a Self-Bill			
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X
	1000	Document name	C	an..35	O
		Name of a document. Data elements: H-003 Invoice Scenario			
020	C106	DOCUMENT/MESSAGE IDENTIFICATION	C		M
		Identification of a document/message by its number and eventually its version or revision.			
	1004	Document identifier	C	an..70	M
		To identify a document. Data elements: H-001 Invoice Number			
	1056	Version identifier	C	an..9	X
	1060	Revision identifier	C	an..6	X

030	1225	MESSAGE FUNCTION CODE	C	an..3	M
		Code indicating the function of the message. Values: 1 = Cancellation - Cancellation of previously issued invoice or self-bill 9 = Original			
040	4343	RESPONSE TYPE CODE	C	an..3	X

Segment: **CTA** Contact information

Position :	0030
Group :	
Level :	0
Status :	C
Usage :	M
Repeats :	1
Purpose :	To identify a person or a department to whom communication should be directed.
Usage Notes :	To communicate the invoice contact from the invoice header.

Pos.	TAG	Element Name	Status	Type	Usage
010	3139	CONTACT FUNCTION CODE	C	an..3	M
		Code specifying the function of a contact (e.g. department or person). Values: IC = Information Contact			
020	C056	CONTACT DETAILS	C		M
		Code and/or name of a contact such as a department or employee. Code preferred.			
	3413	Contact identifier	C	an..17	X
	3412	Contact name	C	an..256	M
		Name of a contact, such as a department or employee. Data elements: H-005.01 Invoice Contact-Name			

Segment: COM Communication contact

Position : 0040
Group : _____
Level : 0
Status : C
Usage : M
Repeats : 9

Purpose : To identify a communication number of a department or a person to whom communication should be directed.

Usage Notes : To communicate communication numbers of the invoice contact from the invoice header.

Pos.	TAG	Element Name	Status	Type	Usage
010	C076	COMMUNICATION CONTACT	M		M
		Communication number of a department or employee in a specified channel.			
	3148	Communication address identifier	M	an..512	M
		To identify a communication address. Data elements: H-005.02 Invoice Contact-Telephone Number H-005.03 Invoice Contact-Fax Number H-005.04 Invoice Contact-Mail Address			
	3155	Communication means type code	M	an..3	M
		Code specifying the type of communication address. Values by data element: H-005.02: TE = Telephone H-005.03: FX = Fax Number H-005.04: EM = Electronic mail			

Segment: FTX Free text

Position :	0050
Group :	
Level :	0
Status :	C
Usage :	O
Repeats :	99
Purpose :	To provide free form or coded text information.
Usage Notes :	To communicate invoice clauses and information only details from the invoice header.

Pos.	TAG	Element Name	Status	Type	Usage
010	4451	TEXT SUBJECT CODE QUALIFIER	M	an..3	M
		Code qualifying the subject of the text. Values: INV = Invoice clauses ACF = Additional Attribute Information ACB = Additional Information			
020	4453	FREE TEXT FUNCTION CODE	C	an..3	M
		Code specifying the function of free text. Values: 3 = Text for immediate use. Text must be read before actioning message.			
030	C107	TEXT REFERENCE	C		D
		Coded reference to a standard text and its source. Only required if 4451=ACF or ACB			
	4441	Free text description code	M	an..17	M
		Values: INFONLY = Information Only, when 4451=ACF ATTACHMENT = Attachment details, only when 4451=ACB PRINT-HEADER = Header of document in local language as it should be printed, only when 4451=ACB			
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X
040	C108	TEXT LITERAL	C		M
	4440	Free text	M	an..512	M
		Data elements: H-009 Invoice Clause, when 4451=INV H-050 Information only, when 4451=ACF H-051.1 Attachment - Identification ,when 4451=ACB and 4441=ATTACHMENT H-052 Document Header only, when 4451=ACB and 4441=PRINT-HEADER			
	4440	Free text	C	an..512	O
		Data elements: H-051.2 Attachment - Type,when 4451=ACB and 4441=ATTACHMENT			
	4440	Free text	C	an..512	O

		Data elements:			
		H-051.3 Attachment - Description, when 4451=ACB and 4441=ATTACHMENT			
	4440	Free text	C	an..512	X
	4440	Free text	C	an..512	X
050	3453	LANGUAGE NAME CODE	C	an..3	X
060	4447	FREE TEXT FORMAT CODE	C	an..3	X

Segment: DTM Date/time/period

Position :	0060
Group :	
Level :	0
Status :	C
Usage :	M
Repeats :	9
Purpose :	To specify date, and/or time, or period.
Use Notes :	To communicate the dates from the invoice header except payment dates.

Pos.	TAG	Element Name	Status	Type	Usage
010	C507	DATE/TIME/PERIOD	M		M
		Date and/or time, or period relevant to the specified date/time/period type.			
	2005	Date or time or period function code qualifier	M	an..3	M
		Code qualifying the function of a date, time or period. Values by data element: H-007.1 Invoice date: 3 = Invoice date. Date when a Commercial Invoice is issued. H-007.2 Price Calculation date: 267 = Rate/price date/time. Date/time on which a rate/price is determined H-007.3 Invoice Due Date: 7 = Effective date/time. Date and/or time at which specified event or document becomes effective H-007.5 Base Invoice Date: 453 = Date of source document. The date of the source document H-007.6 Previous invoice date: 384 = Indicates the date which was allocated to a previous invoice H-007.7 Billing Period From Date: 167 = Charge period start date.The charge period's first date H-007.8 Billing Period To Date: 168 = Charge period end date. The charge period's last date			
	2380	Date or time or period text	C	an..35	D
		The value of a date, a date and time, a time or of a period in a specified representation. Data elements: H-007.1 Invoice Creation Date H-007.2 Price Calculation Date H-007.3 Invoice Due Date H-007.5 Base Invoice Date H-007.6 Previous Invoice Date H-007.7 Billing Period From Date H-007.8 Billing Period To Date			
	2379	Date or time or period format code	C	an..3	D
		Code specifying the representation of a date, time or period. Values: 102=CCYYMMDD. Calendar date: C = Century ; Y = Year ; M = Month ; D = Day			

Segment group 2: RFF-DTM

A group of segments to identify references related to the invoice.

Max repeats: 9

Usage Indicator: M

NOTE:

If for the same field a reference is stated in the invoice header and in the invoice line item, then the reference given in the invoice line item supersedes the information given in the header.

Example:

The invoice header contains the B/L#: KHMUSIN2012033210.
 Invoice line item 1 does not have an own B/L number field
 Invoice line item 2 has the B/L#: KHMUSIN2012999999
 The KHMUSIN2012033210 is applicable only to line item 1

Segment: **RFF** Reference

Position :	0130
Group :	2
Level :	1
Status :	M
Usage :	M
Repeats :	1
Purpose :	To specify a reference.
Usage Notes :	To communicate references from the invoice header.

Pos.	TAG	Element Name	Status	Type	Usage
010	C506	REFERENCE	M		M
		Identification of a reference.			
	1153	Reference code qualifier	M	an..3	M
		Code qualifying a reference. Values by data element:			

		<p>H-004: OI = Base Invoice (Previous invoice number. Reference number identifying a previously issued invoice) H-010.01: BM = B/L# (Bill of lading number) H-010.02: BN = Booking# (Booking reference number. Reference number assigned by the carrier or his agent when cargo space is reserved prior to loading) H-010.04: ON = Purchase Order# (Order number purchase. Reference number assigned by the buyer to an order) H-010.09: ABO = Originator's Reference H-010.10: CR = Customer reference number. Reference number assigned by the customer to a transaction) H-010.11: SI = Shippers Reference (SID Shipper's identifying number for shipment) H-010.12: AFO = Notify Party Reference (debit Beneficiary's reference. Reference of the beneficiary) H-010.13: AHK = Payer Reference# (Payer's reference number. Reference number of the party who pays) H-010.14.1: LC = Letter Of Credit# (Letter of credit number Reference number identifying the letter of credit document) H-010.15: ACB = FMC Tariff Number (US government agency number) H-010.17.1: EX = Export Licence# (Export licence number. Reference number assigned by issuing authority to an Export Licence.credit notes) H-010.19: AHL = Creditors Reference (Reference number of the party to whom a debt is owed) H-010.23: ACE = Previous Invoice Number (Related document number. Reference number identifying a related document) H-010.26: CG = Consignee Reference (Consignee's order number) H-010.27: FF = Forwarder Reference (Freight forwarder's reference number. Reference number assigned to the consignment by the freight forwarder) previously issued/associated H-010.29: ALT = Fiscal Invoice Number (Previous tax control number) ^ reference number identifying a previous tax</p>			
	1154	Reference identifier	C	an..70	M
		<p>Identifies a reference. Data elements:</p> <p>H-004 Base Invoice H-010.01 B/L# H-010.02 Booking# H-010.04 Purchase Order# H-010.09 Originators Reference# H-010.10 Customer Reference# H-010.11 Shippers Reference# H-010.12 Notify Party Reference# H-010.13 Payer Reference# H-010.14.1 Letter Of Credit# H-010.15 FMC Tariff Number H-010.17.1 Export Licence# H-010.19 Creditors Reference H-010.23 Previous Invoice Number H-010.26 Consignee Reference H-010.27 Forwarder Reference H-010.29 Fiscal Invoice Number</p>			
	1156	<i>Document line identifier</i>	C	<i>an..6</i>	X
	1056	<i>Version identifier</i>	C	<i>an..9</i>	X
	1060	<i>Revision identifier</i>	C	<i>an..6</i>	X

Segment: DTM Date/time/period

Position :	0140
Group :	2
Level :	1
Status :	C
Usage :	O
Repeats :	9
Purpose :	To specify date, and/or time, or period.
Usage Notes :	To communicate the issuing and expiry dates of export license and letter of credit from the invoice header except payment dates.

Pos.	TAG	Element Name	Status	Type	Usage
010	C507	DATE/TIME/PERIOD	M		M
		Date and/or time, or period relevant to the specified date/time/period type.			
	2005	Date or time or period function code qualifier	M	an..3	M
		Code qualifying the function of a date, time or period. Values by data element: H-010.14.3: 36 = LC Expiry Date (Expiry date. Date of expiry of the validity of a referenced document, price information or any other referenced data element with a limited validity period) H-010.14.2: 182 = LC Issuing Date (Issue date. Date when a document/message has been or will be issued.ent) H-010.14.3: 147= EL Expiry Date (Expiry date of export licence. Date of expiry of the validity of an Export Licence. H-010.17.2: 182 = EL Issuing Date (Issue date. Date when a document/message has been or will be issued.ent)			
	2380	Date or time or period text	C	an..35	D
		The value of a date, a date and time, a time or of a period in a specified representation.			
	2379	Date or time or period format code	C	an..3	D
		Code specifying the representation of a date, time or period. Values: 102=CCYYMMDD. Calendar date: C = Century ; Y = Year ; M = Month ; D = Day			

Segment group 3: MOA-PCD

A group of segments to specify amounts resulting from the specification of the charges in this message.

Max repeats: 99

Usage Indicator: M

Segment: **MOA** Monetary amount

Position :	0160
Group :	3
Level :	1
Status :	M
Usage :	M
Repeats :	1
Purpose :	To specify a monetary amount.
Usage Notes :	To communicate total invoice amounts in various currencies from the invoice header.

Pos.	TAG	Element Name	Status	Type	Usage
010	C516	MONETARY AMOUNT	M		M
	5025	Monetary amount type code qualifier	M	an..3	M
		Values by data element: Qualifier by data element: H-011.1 Gross Amount including taxes: 388=Total amount including Value Added Tax (VAT). H-011.2 Net Amount excluding taxes: 389=Amount excluding Value Added Tax (VAT). The monetary amount which excludes the Value Added Tax(VAT) H-014.1 Charge Total in Charge Currency. 10 = Amount in charge currency. Indicates that the amount is based on the charged currency H-014.3 Charge Total in Invoice Currency: 14=Amount target currency. The amount in the currency in which the amount is paid or has to be paid.			
	5004	Monetary amount	C	n..35	D
		Data elements: H-011.1 Gross Amount including taxes H-011.2 Net Amount excluding taxes H-014.1 Charge Total in Charge Currency H-014.3 Charge Total in Invoice Currency			
	6345	Currency identification code	C	an..3	D
		Data elements: H-011.3 Amount Currency (for H-011.1, H-011.2, H-014.3) H-014.2 Charge Currency (only for H-014.1)			
	6343	Currency type code qualifier	C	an..3	X
	4405	Status description code	C	an..3	X

Segment group 4: TAX-PCD-MOA

A group of segments to calculate the tax amount for a specified tax type and percentage.

Max repeats: 9

Usage Indicator: D

Segment: **TAX** Duty/tax/fee details

Position :	0190
Group :	4
Level :	1
Status :	M
Usage :	D
Repeats :	1
Purpose :	To specify relevant duty/tax/fee information.
Usage Notes :	To communicate tax details from the invoice header.

Pos.	TAG	Element Name	Status	Type	Usage
010	5283	DUTY OR TAX OR FEE FUNCTION CODE QUALIFIER	M	an..3	M
		Code qualifying the function of a duty or tax or fee. Values by data element: H-012.1 National Tax Code: 7 = Tax Contribution levied by an authority			
020	C241	DUTY/TAX/FEE TYPE	C		O
		Code and/or name identifying duty, tax or fee.			
	5153	Duty or tax or fee type name code	C	an..3	O
		Code specifying a type of duty, tax or fee. Values by data element: H-012.1 National Tax Code: VAT = Value added Tax			
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X
	5152	Duty or tax or fee type name	C	an..35	O
		Data elements: H-012.6 National Tax Name			
030	C533	DUTY/TAX/FEE ACCOUNT DETAIL	C		O
		Indication of account reference for duties, taxes and/or fees.			
	5289	Duty or tax or fee account code	M	an..6	M
		Code specifying a duty or tax or fee account. Values: VAT-Qualifier			
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X

040	5286	DUTY OR TAX OR FEE ASSESSMENT BASIS QUANTITY	C	an..15	D
		To specify the basis on which a duty or tax or fee will be assessed. Data elements: H-012.3 Base amount of tax			
050	C243	DUTY/TAX/FEE DETAIL	C		X
	5279	Duty or tax or fee rate code	C	an..7	X
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X
	5278	Duty or tax or fee rate	C	an..17	X
	5273	Duty or tax or fee rate basis code	C	an..12	X
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X
060	5305	DUTY OR TAX OR FEE CATEGORY CODE	C	an..3	X
070	3446	PARTY TAX IDENTIFIER	C	an..20	X
080	1227	CALCULATION SEQUENCE CODE	C	an..3	X
090	5307	TAX OR DUTY OR FEE PAYMENT DUE DATE CODE	C	an..3	X

Segment: PCD Percentage details

Position :	0200
Group :	4
Level :	1
Status :	C
Usage :	M
Repeats :	1
Purpose :	To specify percentage information.
Usage Notes :	To communicate tax percentages from the invoice header.

Pos.	TAG	Element Name	Status	Type	Usage
010	C501	PERCENTAGE DETAILS	M		M
		Percentage relating to a specified basis.			
	5245	Percentage type code qualifier	M	an..3	M
		Code qualifying the type of percentage. Values by data element: H-012.5 Tax percentage: 2 = Charge. Charge expressed as a percentage			
	5482	Percentage	C	n..10	M
		To specify a percentage. Data elements:			

		H-012.5 Tax percentage			
	5249	Percentage basis identification code	C	an..3	X
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X
020	4405	STATUS DESCRIPTION CODE	C	an..3	X

Segment: **MOA** Monetary amount

Position :	0210
Group :	4
Level :	1
Status :	C
Usage :	M
Repeats :	2
Purpose :	To specify a monetary amount.
Usage Notes :	To communicate total tax amounts from the invoice header.
Example :	

Pos.	TAG	Element Name	Status	Type	Usage
010	C516	MONETARY AMOUNT	M		M
		Amount of goods or services stated as a monetary amount in a specified currency.			
	5025	Monetary amount type code qualifier	M	an..3	M
		Code qualifying the type of monetary amount. Values by data element: H-012.2 Tax amount: 124 = Tax amount. Tax imposed by government or other official authority related to the weight/volume charge or valuation charge.			
	5004	Monetary amount	C	n..35	O
		To specify a monetary amount. Data elements: H-012.2 Tax amount			
	6345	Currency identification code	C	an..3	O
		Code specifying a monetary unit. Data elements: H-012.4 Tax Currency			
	6343	Currency type code qualifier	C	an..3	O
		Code qualifying the type of currency. Values by data element: H-012.4 Tax Currency: 14 = Invoice currency			
	4405	Status description code	C	an..3	X

Segment group 5: CUX-DTM

A group of segments to specify a default currency or a rate of exchange applicable to the whole message.

Max repeats: 9

Usage Indicator: 0

Segment: **CUX** Currencies

Position :	0230
Group :	5
Level :	1
Status :	M
Usage :	M
Repeats :	1
Purpose :	To specify currencies used in the transaction and relevant details for the rate of exchange.
Usage Notes :	To communicate currencies and exchange rates from the invoice header.

Pos.	TAG	Element Name	Status	Type	Usage
010	C504	CURRENCY DETAILS	C		M
		The usage to which a currency relates.			
	6347	Currency usage code qualifier	M	an..3	M
		Code qualifying the usage of a currency. Values: 5 = Calculation base currency - Currency on which the calculation is based			
	6345	Currency identification code	C	an..3	M
		Code specifying a monetary unit. Data elements: H-013.1 Exchanged currency Note: 3-character ISO code of country currency			
	6343	Currency type code qualifier	C	an..3	M
		Code qualifying the type of currency. Values by data element: H-013.1 Exchanged currency: 6 = Reference currency - The currency of the monetary unit to be converted from			
	6348	<i>Currency rate</i>	C	n..4	X
020	C504	CURRENCY DETAILS	C		O
		The usage to which a currency relates.			
	6347	Currency usage code qualifier	M	an..3	M
		Code qualifying the usage of a currency. Values:			

		5 = Calculation base currency - Currency on which the calculation is based			
	6345	Currency identification code	C	an..3	M
		Code specifying a monetary unit. Data elements: H-013.2 Target currency Note: 3-character ISO code of country currency			
	6343	Currency type code qualifier	C	an..3	M
		Code qualifying the type of currency. Values by data element: H-013.2 Target currency: 7 = Target currency - The currency of the monetary unit to be converted to			
	6348	Currency rate	C	n..4	X
030	5402	CURRENCY EXCHANGE RATE	C	n..12	D
		To specify the rate at which one specified currency is expressed in another specified currency.			
		Data elements: H-013.3 Exchange rate			
040	6341	EXCHANGE RATE CURRENCY MARKET IDENTIFIER	C	an..3	X

Segment: DTM Date/time/period

Position :	0240
Group :	5
Level :	1
Status :	C
Usage :	M
Repeats :	9
Purpose :	To specify date, and/or time, or period.
Usage Notes :	To communicate validity of the exchange rates from the invoice header.

Pos.	TAG	Element Name	Status	Type	Usage
010	C507	DATE/TIME/PERIOD	M		M
		Date and/or time, or period relevant to the specified date/time/period type.			
	2005	Date or time or period function code qualifier	M	an..3	M
		Code qualifying the function of a date, time or period. Values by data element: H-013.4 Exchange rate validity date: 134=Rate of exchange date/time. Date/time on which the exchange rate was fixed.			
	2380	Date or time or period text	C	an..35	D
		The value of a date, a date and time, a time or of a period in a specified representation. Data elements: H-013.4 Exchange rate validity date			
	2379	Date or time or period format code	C	an..3	D
		Code specifying the representation of a date, time or period. Values: 102=CCYYMMDD. Calendar date: C = Century ; Y = Year ; M = Month ; D = Day			

Segment group 6: TCC-LOC-DTM-RFF-FTX-PCD-QTY-SG7-SG8

A group of segments to specify a charge and the charge calculation method.

The charges as detailed in this segment group may be pointed to by one or more other TCC segments elsewhere in the message (i.e. one of the lower levels). When a TCC segment on one of the lower levels of this message is used as a pointer, then only the data element 'Freight and charges item number' (in composite C200) is to be used, with a value that corresponds to the value of the same data element in a TCC segment on message top level.

Max repeats: 999

Usage Indicator: M

Segment: TCC Charge/rate calculations

Position :	0260
Group :	6
Level :	1
Status :	M
Usage :	M
Repeats :	1
Purpose :	To specify charges.
Usage Notes :	To communicate charge codes and descriptions on the invoice line item.

Pos.	TAG	Element Name	Status	Type	Usage
010	C200	CHARGE	C		M
		Identification of a charge by code and/or by name.			
	8023	Freight and other charges description identifier	C	an..17	M
		Code identifying freight and other charges. Data elements: L-015.01.2 UN Charge Code			
	1131	Code list identification code	C	an..17	M
		Code identifying a user or association maintained code list. Values: 132=Charge. Identification of a type of charge			
	3055	Code list responsible agency code	C	an..3	M
		Code specifying the agency responsible for a code list. Values: 6=UN/ECE (United Nations - Economic Commission for Europe)			
	8022	Freight and other charges description	C	an..26	M
		Free form description of freight and other charges. Data elements: L-015.01.3 Charge Description			
	4237	Payment arrangement code	C	an..3	D
		Data elements:			

		L-037 Prepaid Collect Indicator			
	7140	Item identifier	C	an..35	M
		To identify an item. Data elements: L-099 Line Item Number			
020	C203	RATE/TARIFF CLASS	C		M
	5243	Rate or tariff class description code	M	an..9	M
		Code specifying an applicable rate or tariff class. Data elements: L-015.01.1 Carrier Charge Code			
	1131	Code list identification code	C	an..17	M
		Code identifying a user or association maintained code list. Values: 132=Charge. Identification of a type of charge			
	3055	Code list responsible agency code	C	an..3	M
		Code specifying the agency responsible for a code list. Values: 87=Assigned by carrier. Codes assigned by the carrier			
	5242	<i>Rate or tariff class description</i>	C	an..35	X
	5275	<i>Supplementary rate or tariff code</i>	C	an..6	X
	1131	<i>Code list identification code</i>	C	an..17	X
	3055	<i>Code list responsible agency code</i>	C	an..3	X
	5275	<i>Supplementary rate or tariff code</i>	C	an..6	X
	1131	<i>Code list identification code</i>	C	an..17	X
	3055	<i>Code list responsible agency code</i>	C	an..3	X
030	C528	COMMODITY/RATE DETAIL	C		D
	7357	Commodity identification code	C	an..18	M
		Code identifying a commodity for Customs, transport or statistical purposes (generic term). Data elements: L-010.24 Commodity Code			
	1131	Code list identification code	C	an..17	M
		Code identifying a user or association maintained code list. Values: 122=Commodity. Code identifying types of goods for Cust			
	3055	Code list responsible agency code	C	an..3	M
		Code specifying the agency responsible for a code list. Values: 87=Assigned by carrier. Codes assigned by the carrier			

040	C554	RATE/TARIFF CLASS DETAIL	C		X
	5243	Rate or tariff class description code	C	an..9	X
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X

Segment: **LOC** Place/location identification

Position :	0270
Group :	6
Level :	1
Status :	C
Usage :	O
Repeats :	9
Purpose :	To identify a place or a location and/or related locations.
Usage Notes :	To communicate the locations on the invoice line item.

Pos.	TAG	Element Name	Status	Type	Usage
010	3227	LOCATION FUNCTION CODE QUALIFIER	M	an..3	M
		Code identifying the function of a location. Values by data element: L-016.1.1 Place of Receipt-UN Code: 88=Place of receipt. Identification of the location at which the cargo is actually received. L-016.2.1 Port of Loading-UN Code: 9=Place/port of loading. Seaport at which the goods (cargo) are loaded on to the means of transport being used for their carriage. L-016.3.1 Port of Transshipment-UN Code: 13=Place of transshipment. Place where goods are transferred from one means of transport to another (operational term). L-016.4.1 Port of Discharge-UN Code: 11=Port of discharge. Seaport at which the goods (cargo) are unloaded from the means of transport having been used for their carriage. L-016.5.1 Place of Delivery-UN Code: 7=Place of Delivery			
020	C517	LOCATION IDENTIFICATION	C		D
		Identification of a location by code or name.			
	3225	Location identifier	C	an..35	D
		To identify a location. Data elements: L-016.1.1 Place of Receipt-UN Code L-016.2.1 Port of Loading-UN Code L-016.3.1 Port of Transshipment-UN Code L-016.4.1 Port of Discharge-UN Code L-016.5.1 Place of Delivery-UN Code			
	1131	Code list identification code	C	an..17	D
		Code identifying a user or association maintained code list. Values: 139 = Port			

	3055	Code list responsible agency code	C	an..3	D
		Code specifying the agency responsible for a code list. Values: 6 = UN/ECE			
	3224	Location name	C	an..256	D
		Name of the location. Data elements: L-016.1.2 Place of Receipt Name L-016.2.2 Port of Loading-Name L-016.4.2 Port of Discharge-Name L-016.5.2 Place of Delivery-Name			
030	C519	RELATED LOCATION ONE IDENTIFICATION	C		X
	3223	First related location identifier	C	an..35	X
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X
	3222	First related location name	C	an..70	X
040	C553	RELATED LOCATION TWO IDENTIFICATION	C		X
	3233	Second related location identifier	C	an..35	X
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X
	3232	Second related location name	C	an..70	X
050	5479	RELATION CODE	C	an..3	X

Segment: DTM Date/time/period

Position :	0280
Group :	6
Level :	1
Status :	C
Usage :	D
Repeats :	9
Purpose :	To specify date, and/or time, or period.
Usage Notes :	To communicate the price calculation date and usage times on the invoice line item.

Pos.	TAG	Element Name	Status	Type	Usage
010	C507	DATE/TIME/PERIOD	M		M
		Date and/or time, or period relevant to the specified date/time/period type.			
	2005	Date or time or period function code qualifier	M	an..3	M
		Code qualifying the function of a date, time or period. Values by data element: L-017.1 Free Time: 66=Excluded period. An interval of time excluded from a period of time L-017.2 Previously Billed Usage Time: 585=Preceding period. Period preceding current period. L-017.3 Gross Usage Time:345=Days of operation. Week days of operation. L-017.4 Charged Usage Time: 263=Invoicing period. Period for which an invoice is issued. L-017.5 Free time start date: 475=Start date or time, actual. The actual date or time for starting. L-017.6 Free time end date: 472=Finish date or time, latest. The latest date or time for finishing. L-017.7 Billable time start date: 167=Charge period start date. The charge period's first date. L-017.8 Billable time end date: 168=Charge period end date. The charge period's last date. L-007.2 Price Calculation Date: 267=Rate/price date/time. Date/time on which a rate/price is determined.			
	2380	Date or time or period text	C	an..35	D
		The value of a date, a date and time, a time or of a period in a specified representation. Data elements: L-017.1 Free Time L-017.2 Previously Billed Usage Time L-017.3 Gross Usage Time L-017.4 Charged Usage Time L-017.5 Free time start date L-017.6 Free time end date L-017.7 Billable time start date L-017.8 Billable time end date L-007.2 Price Calculation Date			
	2379	Date or time or period format code	C	an..3	D
		Code specifying the representation of a date, time or period. Values by data element:			

	<p>L-017.1 Free Time: 804=Day. To indicate a quantity of days. L-017.2 Previously Billed Usage Time: 804=Day. To indicate a quantity of days. L-017.3 Gross Usage Time: 804=Day. To indicate a quantity of days. L-017.4 Charged Usage Time: 804=Day. To indicate a quantity of days. L-017.5 Free time start date: 102=CCYYMMDD. Calendar date: C = Century ; Y = Year ; M = Month ; D = Day. L-017.6 Free time end date: 102=CCYYMMDD. Calendar date: C = Century ; Y = Year ; M = Month ; D = Day. L-017.7 Billable time start date: 102=CCYYMMDD. Calendar date: C = Century ; Y = Year ; M = Month ; D = Day. L-017.8 Billable time end date: 102=CCYYMMDD. Calendar date: C = Century ; Y = Year ; M = Month ; D = Day. L-007.2 Price Calculation Date: 102=CCYYMMDD. Calendar date: C = Century ; Y = Year ; M = Month ; D = Day.</p>
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Segment: RFF Reference

Position :	0290
Group :	6
Level :	1
Status :	C
Usage :	D
Repeats :	9
Purpose :	To specify a reference.
Usage Notes :	To communicate references specific to an invoice line item.

Pos.	TAG	Element Name	Status	Type	Usage
010	C506	REFERENCE	M		M
		Identification of a reference.			
	1153	Reference code qualifier	M	an..3	M
		Code qualifying a reference. Values by data element: L-010.01 B/L Number: BM=Bill of lading number L-010.02 Booking#: "BN=Booking reference number. Reference number assigned by the carrier or his agent when cargo space is reserved prior to loading." L-010.18 Seal Number: "SN=Seal number. Identification number on Customs or other seals affixed to containers or other transport units." L-010.05 Quotation Number: PR=Price quote number. Reference number assigned by the seller to a quote. L-010.06 Contract Number: CT=Contract number. Reference number of a contract concluded between parties. L-010.07 Tariff Identification: AFG=Tariff number L-010.08 Unique Rate Identification: AHX=Rate Note Number L-010.04 Purchase Order#: ON=Order number (purchase). Reference number assigned by the buyer to an order. L-010.03 Equipment#: AAQ=Unit load device (e.g. container) identification number. Marks (letters and/or numbers) which identify a unit load device e.g. freight container.			
	1154	Reference identifier	C	an..70	D
		Identifies a reference. Data elements:			

		L-010.01 B/L Number L-010.02 Booking# L-010.18 Seal Number L-010.05 Quotation Number L-010.06 Contract Number L-010.07 Tariff Identification L-010.08 Unique Rate Identification L-010.04 Purchase Order# L-010.03 Equipment#			
	1156	<i>Document line identifier</i>	C	an..6	X
	1056	<i>Version identifier</i>	C	an..9	X
	1060	<i>Revision identifier</i>	C	an..6	X

Segment: FTX Free text

Position :	300
Group :	
Level :	1
Status :	C
Usage :	D
Repeats :	9
Purpose :	To provide free form or coded text information.
Usage Notes :	To communicate tax exemptions at charge level

Pos.	TAG	Element Name	Status	Type	Usage
010	4451	TEXT SUBJECT CODE QUALIFIER	M	an..3	M
		Code qualifying the subject of the text. Values: AGM = Exemption			
020	4453	FREE TEXT FUNCTION CODE	C	an..3	M
		Code specifying the function of free text. Values: 3 = Text for immediate use. Text must be read before actioning message.			
030	C107	TEXT REFERENCE	C		D
		Coded reference to a standard text and its source. Only required if 4451=ACF			
	4441	Free text description code	M	an..17	M
		Values: TAXEX = Tax Exemption			
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X
040	C108	TEXT LITERAL	C		M
	4440	Free text	M	an..512	M
		Data elements: L-012.7.1 Tax Exempted			
	4440	Free text	C	an..512	M
		Data elements: L-012.7.2 Tax Exemption Reason			
	4440	Free text	C	an..512	X
	4440	Free text	C	an..512	X
	4440	Free text	C	an..512	X
050	3453	LANGUAGE NAME CODE	C	an..3	X
060	4447	FREE TEXT FORMAT CODE	C	an..3	X

Segment: **PCD** Percentage details

Position :	0310
Group :	6
Level :	1
Status :	C
Usage :	D
Repeats :	9
Purpose :	To specify percentage information.
Usage Notes :	To communicate a percentage to calculate a charge on the invoice line item.

Pos.	TAG	Element Name	Status	Type	Usage
010	C501	PERCENTAGE DETAILS	M		M
		Percentage relating to a specified basis.			
	5245	Percentage type code qualifier	M	an..3	M
		Code qualifying the type of percentage. Values by data element: I-018.4 Percentage: 2 = Charge. Charge expressed as a percentage			
	5482	Percentage	C	n..10	D
		To specify a percentage. Data elements: I-018.4 Percentage			
	5249	Percentage basis identification code	C	an..3	X
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X
020	4405	STATUS DESCRIPTION CODE	C	an..3	X

Segment: QTY Quantity

Position :	0320
Group :	6
Level :	1
Status :	C
Usage :	D
Repeats :	9
Purpose :	To specify a pertinent quantity.
Usage Notes :	To communicate the charged quantity on the invoice line item.

Pos.	TAG	Element Name	Status	Type	Usage
010	C186	QUANTITY DETAILS	M		M
		Quantity information in a transaction, qualified when relevant.			
	6063	Quantity type code qualifier	M	an..3	M
		Code qualifying the type of quantity. Values by data element: L-018.1 Quantity: 2 = Charge - Quantity relevant for charge			
	6060	Quantity	M	an..35	M
		Alphanumeric representation of a quantity. Data elements: L-018.1 Quantity			
	6411	Measurement unit code	C	an..8	D
		Code specifying the unit of measurement. Data elements: L-018.2 Unit of measurement			

Segment group 7: PRI-CUX

A group of segments to specify the price information of the charge. The amount resulting from the price calculation (i.e. quantity x price) is specified in the MOA segment following this PRI-group as a total charge amount in invoice currency.

Max repeats: 9

Usage Indicator: D

Segment: **PRI** Price details

Position :	0340
Group :	7
Level :	2
Status :	M
Usage :	M
Repeats :	1
Purpose :	To specify price information.
Usage Notes :	To communicate the applied rate on the invoice line item.

Pos.	TAG	Element Name	Status	Type	Usage
010	C509	PRICE INFORMATION	C		M
	5125	Price code qualifier	M	an..3	M
		Values: INV = Invoice price			
	5118	Price amount	C	n..15	M
		Data elements: L-018.3 Rate per Unit			
	5375	Price type code	C	an..3	X
	5387	Price specification code	C	an..3	X
	5284	Unit price basis quantity	C	n..9	X
	6411	Measurement unit code	C	an..8	X
020	5213	SUB-LINE ITEM PRICE CHANGE OPERATION CODE	C	an..3	X

Segment group 8: MOA-SG9-...

A group of segments to specify an amount related to the charge.

Max repeats: 9

Usage Indicator: M

Segment: **MOA** Monetary amount

Position :	0370
Group :	8
Level :	2
Status :	M
Usage :	M
Repeats :	1
Purpose :	To specify a monetary amount.
Usage Notes :	To communicate the charged amount on the invoice line item.

Pos.	TAG	Element Name	Status	Type	Usage
010	C516	MONETARY AMOUNT	M		M
		Amount of goods or services stated as a monetary amount in a specified currency.			
	5025	Monetary amount type code qualifier	M	an..3	M
		Code qualifying the type of monetary amount. Values by data element: L-018.5 Amount in charge currency: 10 = Amount in charge currency. Indicates that the amount is based on the charged currency L-018.7 Amount in invoice currency: 14 = Amount in Invoice Currency			
	5004	Monetary amount	C	n..35	M
		To specify a monetary amount. Data elements: L-018.5 Amount in charge currency L-018.7 Amount in invoice currency			
	6345	Currency identification code	C	an..3	M
		Code specifying a monetary unit. Data elements: L-018.6 Charge currency Note: ISO code of country currency			
	6343	Currency type code qualifier	C	an..3	X
	4405	Status description code	C	an..3	X

Segment group 9: CUX-DTM

A group of segments to specify an exchange rate by which an amount can be re-calculated.

Max repeats: 1

Usage Indicator: D

Segment: **CUX** Currencies

Position : 0390

Group : 9

Level : 3

Status : M

Usage : M

Repeats : 1

Purpose : To specify currencies used in the transaction and relevant details for the rate of exchange.

Usage Notes : To communicate exchange rates specific to an invoice line item.

Pos.	TAG	Element Name	Status	Type	Usage
010	C504	CURRENCY DETAILS	C		M
		The usage to which a currency relates.			
	6347	Currency usage code qualifier	M	an..3	M
		Code qualifying the usage of a currency. Values: 5 = Calculation base currency - Currency on which the calculation is based			
	6345	Currency identification code	C	an..3	M
		Code specifying a monetary unit. Values by data element: L-013.1 Exchanged currency Note: 3-character ISO code of country currency			
	6343	Currency type code qualifier	C	an..3	M
		Code qualifying the type of currency. Values by data element: L-013.1 Exchanged currency: 6 = Reference currency - The currency of the monetary unit to be converted from			
	6348	<i>Currency rate</i>	C	n..4	X
020	C504	CURRENCY DETAILS	C		M
		The usage to which a currency relates.			
	6347	Currency usage code qualifier	M	an..3	M
		Code qualifying the usage of a currency. Values:			

		5 = Calculation base currency - Currency on which the calculation is based			
	6345	Currency identification code	C	an..3	M
		Code specifying a monetary unit. Data elements: L-013.2 Target currency Note: 3-character ISO code of country currency			
	6343	Currency type code qualifier	C	an..3	M
		Code qualifying the type of currency. Values by data element: L-013.2 Target currency: 7 = Target currency - The currency of the monetary unit to be converted to			
	6348	Currency rate	C	n..4	X
030	5402	CURRENCY EXCHANGE RATE	C	n..12	M
		To specify the rate at which one specified currency is expressed in another specified currency. Data elements: L-013.3 Exchange rate to be converted to			
040	6341	EXCHANGE RATE CURRENCY MARKET IDENTIFIER	C	an..3	X

Segment: DTM Date/time/period

Position :	0400
Group :	9
Level :	3
Status :	C
Usage :	M
Repeats :	1
Purpose :	To specify date, and/or time, or period.
Usage Notes :	To communicate the cut off date for an exchange rate specific to an invoice line item.

Pos.	TAG	Element Name	Status	Type	Usage
010	C507	DATE/TIME/PERIOD	M		M
	2005	Date or time or period function code qualifier	M	an..3	M
		Code qualifying the function of a date, time or period. Values by data element: H-013.4 Exchange rate validity date: 134=Rate of exchange date/time. Date/time			
	2380	Date or time or period text	C	an..35	M
		The value of a date, a date and time, a time or of a period in a specified representation. Data elements: L-013.4 Exchange rate validity date on which the exchange rate was fixed.			
	2379	Date or time or period format code	C	an..3	M
		Code specifying the representation of a date, time or period. Values: 102=CCYYMMDD. Calendar date: C = Century ; Y = Year ; M = Month ; D = Day			

Segment group 10: TAX-PCD

A group of segments to specify tax-related information for the charge.

Max repeats: 1

Usage Indicator: 0

Segment: **TAX** Duty/tax/fee details

Position :	0430
Group :	10
Level :	3
Status :	M
Usage :	M
Repeats :	1
Purpose :	To specify relevant duty/tax/fee information.
Usage Notes :	To communicate the applicable tax for the invoice line item.

Pos.	TAG	Element Name	Status	Type	Usage
010	5283	DUTY OR TAX OR FEE FUNCTION CODE QUALIFIER	M	an..3	M
		Code qualifying the function of a duty or tax or fee. Values: 7 = Tax. Contribution levied by an authority			
020	C241	DUTY/TAX/FEE TYPE	C		O
		Code and/or name identifying duty, tax or fee.			
	5153	Duty or tax or fee type name code	C	an..3	O
		Code specifying a type of duty, tax or fee. Data elements: L-012.1 National Tax Code Note: Value Added Tax			
	1131	<i>Code list identification code</i>	C	an..17	X
	3055	<i>Code list responsible agency code</i>	C	an..3	X
	5152	Duty or tax or fee type name	C	an..35	M
		Name of a type of duty, tax or fee. Data elements: L-012.6 National Tax Name			
030	C533	DUTY/TAX/FEE ACCOUNT DETAIL	C		M
		Indication of account reference for duties, taxes and/or fees.			
	5289	Duty or tax or fee account code	M	an..6	M
		Code specifying a duty or tax or fee account.			

		Values:			
		VAT-Qualifier			
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X
040	5286	DUTY OR TAX OR FEE ASSESSMENT BASIS QUANTITY	C	an..15	X
050	C243	DUTY/TAX/FEE DETAIL	C		X
	5279	Duty or tax or fee rate code	C	an..7	X
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X
	5278	Duty or tax or fee rate	C	an..17	X
	5273	Duty or tax or fee rate basis code	C	an..12	X
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X
060	5305	DUTY OR TAX OR FEE CATEGORY CODE	C	an..3	X
070	3446	PARTY TAX IDENTIFIER	C	an..20	X
080	1227	CALCULATION SEQUENCE CODE	C	an..3	X
090	5307	TAX OR DUTY OR FEE PAYMENT DUE DATE CODE	C	an..3	X

Segment: **PCD** Percentage details

Position :	0440
Group :	10
Level :	3
Status :	C
Usage :	M
Repeats :	1
Purpose :	To specify percentage information.
Usage Notes :	To communicate the applicable tax percentage for the invoice line item.

Pos.	TAG	Element Name	Status	Type	Usage
010	C501	PERCENTAGE DETAILS	M		M
		Percentage relating to a specified basis.			
	5245	Percentage type code qualifier	M	an..3	M
		Code qualifying the type of percentage. Values by data element: L-012.05 Tax Percentage: 2 = Charge. Charge expressed as a percentage			
	5482	Percentage	C	n..10	M
		To specify a percentage. Data elements: L-012.5 Tax Percentage			
	5249	Percentage basis identification code	C	an..3	X
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X
020	4405	STATUS DESCRIPTION CODE	C	an..3	X

Segment group 11: NAD-FII-LOC-SG12-SG13

A segment group to specify parties related to the invoice and their banking information.

Max repeats: 99

Usage Indicator: M

Segment: **NAD** Name and address

Position :	0460
Group :	11
Level :	1
Status :	M
Usage :	M
Repeats :	1
Purpose :	To specify the name/address and their related function, either by C082 only and/or unstructured by C058 or structured by C080 thru 3207.
Usage Notes :	To communicate business parties from the invoice header.

Pos.	TAG	Element Name	Status	Type	Usage
010	3035	PARTY FUNCTION CODE QUALIFIER	M	an..3	M
		Code giving specific meaning to a party. Values by data element: H-006.1 Payer: FP=Freight Payer H-006.2 Collector: RE=Party to receive commercial invoice remittance H-006.3 Invoice Issuer: II=Issuer of invoice. Party issuing an invoice. H-006.4 Shipper: CZ=Consignor (shipper, sender). Party which, by contract with a carrier, consigns or sends goods with the carrier, or has them conveyed by him. H-006.5 Consignee: CN=Consignee. Party to which goods are consigned. H-006.6 Freight Forwarder: FW=Freight forwarder. Party arranging forwarding of goods. H-006.7 Notify Party: NI=Notify party. Party to be notified of arrival of goods. H-006.8 On behalf of party: OF=On behalf of. Party on behalf of which an action is executed. H-006.9 Copy Receiver: FI=Copy message to. Party that is to receive a copy of a message. H-006.10 Contract Party:RP=Routing party. Party responsible for the selection of the carrier(s). H-006.11 Named Account: PC=Actual purchaser's customer. Party the purchaser			
020	C082	PARTY IDENTIFICATION DETAILS	C		M
		Identification of a transaction party by code.			
	3039	Party identifier	M	an..35	M
		Code specifying the identity of a party. Data elements:			

		<p>H-006.1.1.1 Payer-Dunn & Bradstreet Code H-006.1.1.2 Payer-SCAC Code H-006.1.1.3 Payer-INTTRA Company Code H-006.1.1.4 Payer-Invoice Issuers Code H-006.1.1.5 Payer-Payers Code H-006.2.1.1 Collector-Dunn & Bradstreet Code H-006.2.1.2 Collector-SCAC Code H-006.2.1.3 Collector-INTTRA Company Code H-006.2.1.4 Collector-Invoice Issuers Code H-006.2.1.5 Collector-Payers Code H-006.3.1.1 Invoice Issuer-Dunn & Bradstreet Code H-006.3.1.2 Invoice Issuer-SCAC Code H-006.3.1.3 Invoice Issuer-INTTRA Company Code H-006.3.1.4 Invoice Issuer-Invoice Issuers Code H-006.3.1.5 Invoice Issuer-Payers Code H-006.4.1.1 Shipper-Dunn & Bradstreet Code H-006.4.1.2 Shipper-SCAC Code H-006.4.1.3 Shipper-INTTRA Company Code H-006.4.1.4 Shipper-Invoice Issuers Code H-006.4.1.5 Shipper-Payers Code H-006.5.1.1 Consignee-Dunn & Bradstreet Code H-006.5.1.2 Consignee-SCAC Code H-006.5.1.3 Consignee-INTTRA Company Code H-006.5.1.4 Consignee-Invoice Issuers Code H-006.5.1.5 Consignee-Payers Code H-006.6.1.1 Freight Forwarder-Dunn & Bradstreet Code H-006.6.1.2 Freight Forwarder-SCAC Code H-006.6.1.3 Freight Forwarder-INTTRA Company Code H-006.6.1.4 Freight Forwarder-Invoice Issuers Code H-006.6.1.5 Freight Forwarder-Payers Code H-006.7.1.1 Notify Party-Dunn & Bradstreet Code H-006.7.1.2 Notify Party-SCAC Code H-006.7.1.3 Notify Party-INTTRA Company Code H-006.7.1.4 Notify Party-Invoice Issuers Code H-006.7.1.5 Notify Party-Payers Code H-006.8.1.1 On behalf of party-Dunn & Bradstreet Code H-006.8.1.2 On behalf of party-SCAC Code H-006.8.1.3 On behalf of party-INTTRA Company Code H-006.8.1.4 On behalf of party-Invoice Issuers Code H-006.8.1.5 On behalf of party-Payers Code H-006.9.1.1 Copy Receiver-Dunn & Bradstreet Code H-006.9.1.2 Copy Receiver-SCAC Code H-006.9.1.3 Copy Receiver-INTTRA Company Code H-006.9.1.4 Copy Receiver-Invoice Issuers Code H-006.9.1.5 Copy Receiver-Payers Code H-006.10.1.1 Contract Party-Dunn & Bradstreet Code H-006.10.1.2 Contract Party-SCAC Code H-006.10.1.3 Contract Party-INTTRA Company Code H-006.10.1.4 Contract Party-Invoice Issuers Code H-006.10.1.5 Contract Party-Payers Code</p>			
	1131	Code list identification code	C	an..17	M
		Code identifying a user or association maintained code list. Values: 160=Party identification			
	3055	Code list responsible agency code	C	an..3	M
		Code specifying the agency responsible for a code list. Values by data element: Dun & Bradstreet 16=Dun & Bradstreet Corporation SCAC Code 182=US, Standard Carrier Alpha Code (Motor) INTTRA Company code 192=Shipper's association Invoice issuer's code 87=Assigned by carrier Payer's code 92= Assigned by buyer or buyer's agent			

030	C058	NAME AND ADDRESS	C		O
		Unstructured name and address: one to five lines.			
	3124	Name and address description	M	an..35	M
		Free form description of a name and address line.			
	3124	Name and address description	C	an..35	O
	3124	Name and address description	C	an..35	O
	3124	Name and address description	C	an..35	O
	3124	Name and address description	C	an..35	O
040	C080	PARTY NAME	C		M
		Identification of a transaction party by name, one to five lines. Party name may be formatted.			
	3036	Party name	M	an..70	M
		Name of a party. Data elements: H-006.1.2.1 Payer-Main Name H-006.2.2.1 Collector-Main Name H-006.3.2.1 Invoice Issuer-Main Name H-006.4.2.1 Shipper-Main Name H-006.5.2.1 Consignee-Main Name H-006.6.2.1 Freight Forwarder-Main Name H-006.7.2.1 Notify Party-Main Name H-006.8.2.1 On behalf of party-Main Name H-006.9.2.1 Copy Receiver-Main Name H-006.10.2.1 Contract Party-Main Name H-006.11.1.1 Named Account-Dunn & Bradstreet Code			
	3036	Party name	C	an..70	O
		Name of a party. Data elements: H-006.1.2.2 Payer-Name Suffix H-006.2.2.2 Collector-Name Suffix H-006.3.2.2 Invoice Issuer-Name Suffix H-006.4.2.2 Shipper-Name Suffix H-006.5.2.2 Consignee-Name Suffix H-006.6.2.2 Freight Forwarder-Name Suffix H-006.7.2.2 Notify Party-Name Suffix H-006.8.2.2 On behalf of party-Name Suffix H-006.9.2.2 Copy Receiver-Name Suffix H-006.10.2.2 Contract Party-Name Suffix H-006.11.2.2 Named Account-Name Suffix			
	3036	<i>Party name</i>	C	<i>an..70</i>	X
	3036	<i>Party name</i>	C	<i>an..70</i>	X
	3036	<i>Party name</i>	C	<i>an..70</i>	X
	3045	<i>Party name format code</i>	C	<i>an..3</i>	X
050	C059	STREET	C		M
		Street address and/or PO Box number in a structured address: one to four lines.			
	3042	Street and number or post office box identifier	M	an..35	M
		To identify a street and number and/or Post Office box number.			

		Data elements: H-006.1.3.1 Payer-Address Line H-006.2.3.1 Collector-Address Line H-006.3.3.1 Invoice Issuer-Address Line H-006.4.3.1 Shipper-Address Line H-006.5.3.1 Consignee-Address Line H-006.6.3.1 Freight Forwarder-Address Line H-006.7.3.1 Notify Party-Address Line H-006.8.3.1 On behalf of party-Address Line H-006.9.3.1 Copy Receiver-Address Line H-006.10.3.1 Contract Party-Address Line H-006.11.3.1 Named Account-Address Line			
	3042	Street and number or post office box identifier	C	an..35	O
	3042	Street and number or post office box identifier	C	an..35	O
	3042	Street and number or post office box	C	an..35	O
060	3164	CITY NAME	C	an..35	O
		Name of a city. Data elements: H-006.1.3.7 Payer-City Name H-006.2.3.7 Collector-City Name H-006.3.3.7 Invoice Issuer-City Name H-006.4.3.7 Shipper-City Name H-006.5.3.7 Consignee-City Name H-006.6.3.7 Freight Forwarder-City Name H-006.7.3.7 Notify Party-City Name H-006.8.3.7 On behalf of party-City Name H-006.9.3.7 Copy Receiver-City Name H-006.10.3.7 Contract Party-City Name H-006.11.3.7 Named Account-City Name			
070	C819	COUNTRY SUBDIVISION DETAILS	C		O
		To specify a country subdivision, such as state, canton, county, prefecture.			
	3229	Country subdivision identifier	C	an..9	O
		To identify a country subdivision, such as state, canton, county, prefecture. Data elements: H-006.1.3.4 Payer-Official Subdivision Code H-006.2.3.4 Collector-Official Subdivision Code H-006.3.3.4 Invoice Issuer-Official Subdivision Code H-006.4.3.4 Shipper-Official Subdivision Code H-006.5.3.4 Consignee-Official Subdivision Code H-006.6.3.4 Freight Forwarder-Official Subdivision Code H-006.7.3.4 Notify Party-Official Subdivision Code H-006.8.3.4 On behalf of party-Official Subdivision Code H-006.9.3.4 Copy Receiver-Official Subdivision Code H-006.10.3.4 Contract Party-Official Subdivision Code H-006.11.3.4 Named Account-Official Subdivision Code			
	1131	Code list identification code	C	an..17	O
		Code identifying a user or association maintained code list. Values: 163=Country Sub Entity			
	3055	Code list responsible agency code	C	an..3	X
	3228	Country subdivision name	C	an..70	O

		<p>Name of a country subdivision, such as state, canton, county, prefecture.</p> <p>Data elements:</p> <p>H-006.1.3.5 Payer-Subdivision Name H-006.2.3.5 Collector-Subdivision Name H-006.3.3.5 Invoice Issuer-Subdivision Name H-006.4.3.5 Shipper-Subdivision Name H-006.5.3.5 Consignee-Subdivision Name H-006.6.3.5 Freight Forwarder-Subdivision Name H-006.7.3.5 Notify Party-Subdivision Name H-006.8.3.5 On behalf of party-Subdivision Name H-006.9.3.5 Copy Receiver-Subdivision Name H-006.10.3.5 Contract Party-Subdivision Name H-006.11.3.5 Named Account-Subdivision Name</p>			
080	3251	POSTAL IDENTIFICATION CODE	C	an..17	O
		<p>Code specifying the postal zone or address.</p> <p>Data elements:</p> <p>H-006.1.3.8 Payer-Postal Code H-006.2.3.8 Collector-Postal Code H-006.4.3.8 Shipper-Postal Code H-006.5.3.8 Consignee-Postal Code H-006.6.3.8 Freight Forwarder-Postal Code H-006.7.3.8 Notify Party-Postal Code H-006.8.3.8 On behalf of party-Postal Code H-006.9.3.8 Copy Receiver-Postal Code H-006.10.3.8 Contract Party-Postal Code H-006.11.3.8 Named Account-Postal Code</p>			
090	3207	COUNTRY IDENTIFIER	C	an..3	M
		<p>Identification of the name of the country or other geographical entity as defined in ISO3166-1 and UN/ECE Recommendation 3.</p> <p>Data elements:</p> <p>H-006.1.3.2 Payer-UN Country Code H-006.2.3.2 Collector-UN Country Code H-006.3.3.2 Invoice Issuer-UN Country Code H-006.4.3.2 Shipper-UN Country Code H-006.5.3.2 Consignee-UN Country Code H-006.6.3.2 Freight Forwarder-UN Country Code H-006.7.3.2 Notify Party-UN Country Code H-006.8.3.2 On behalf of party-UN Country Code H-006.9.3.2 Copy Receiver-UN Country Code H-006.10.3.2 Contract Party-UN Country Code H-006.11.3.2 Named Account-UN Country Code</p>			

Segment: FII Financial institution information

Position :	0470
Group :	11
Level :	1
Status :	C
Usage :	D
Repeats :	9
Purpose :	To identify an account and a related financial institution.
Usage Notes :	To communicate the collector accounts from the invoice header.
Example :	

Pos.	TAG	Element Name	Status	Type	Usage
010	3035	PARTY FUNCTION CODE QUALIFIER	M	an..3	M
		Values: RE=Party to receive commercial invoice remittance. Party to whom payment for a commercial invoice or bill should be remitted.			
020	C078	ACCOUNT HOLDER IDENTIFICATION	C		M
	3194	Account holder identifier	C	an..35	D
		Data elements: H-006.2.6.3 Collector-IBAN			
	3192	Account holder name	C	an..35	M
		Data elements: H-006.2.6.5 Collector-Account holder			
	3192	Account holder name	C	an..35	X
	6345	Currency identification code	C	an..3	X
030	C088	INSTITUTION IDENTIFICATION	C		M
	3433	Institution name code	C	an..11	M
		Data elements: H-006.2.6.1 Collector-Bank Code			
	1131	Code list identification code	C	an..17	M
		Values: 25=Bank identification. Code for identification of banks			
	3055	Code list responsible agency code	C	an..3	M
		Values: 17 = S.W.I.F.T.. Society for Worldwide Interbank Financial Telecommunications S C			
	3434	<i>Institution branch identifier</i>	C	an..17	X
	1131	<i>Code list identification code</i>	C	an..17	X
	3055	<i>Code list responsible agency code</i>	C	an..3	X
	3432	Institution name	C	an..70	M

		Data elements:			
		H-006.2.6.2 Collector-Bank Name			
	3436	<i>Institution branch location name</i>	<i>C</i>	<i>an..70</i>	<i>X</i>
040	3207	<i>COUNTRY IDENTIFIER</i>	<i>C</i>	<i>an..3</i>	<i>X</i>

Segment: **LOC** Place/location identification

Position :	0480
Group :	11
Level :	1
Status :	C
Usage :	O
Repeats :	9
Purpose :	To identify a place or a location and/or related locations.
Usage Notes :	To communicate location of a party from the invoice header.

Pos.	TAG	Element Name	Status	Type	Usage
010	3227	LOCATION FUNCTION CODE QUALIFIER	M	an..3	M
		Values : 174=Place of residence			
020	C517	LOCATION IDENTIFICATION	C		M
	3225	Location identifier	C	an..35	M
		Data elements : H-006.1.3.6 Payer-UN Location Code H-006.2.3.6 Collector-UN Location Code H-006.3.3.6 Invoice Issuer-UN Location Code H-006.4.3.6 Shipper-UN Location Code H-006.5.3.6 Consignee-UN Location Code H-006.6.3.6 Freight Forwarder-UN Location Code H-006.7.3.6 Notify Party-UN Location Code H-006.8.3.6 On behalf of party-UN Location Code H-006.9.3.6 Copy Receiver-UN Location Code H-006.10.3.6 Contract Party-UN Location Code H-006.11.3.6 Named Account-UN Location Code			
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	M
		Values: 6=UN/ECE (United Nations - Economic Commission for Europe)			
	3224	Location name	C	an..256	X
030	C519	RELATED LOCATION ONE IDENTIFICATION	C		X
	3223	First related location identifier	C	an..35	X
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X
	3222	First related location name	C	an..70	X
040	C553	RELATED LOCATION TWO IDENTIFICATION	C		X
	3233	Second related location identifier	C	an..35	X
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X
	3232	Second related location name	C	an..70	X



050	5479	RELATION CODE	C	an..3	X
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Segment group 12: CTA-COM

A group of segments identifying a contact and its communications related to the party.

Max repeats: 9

Usage Indicator: D

Segment: **CTA** Contact information

Position :	0500
Group :	12
Level :	2
Status :	M
Usage :	M
Repeats :	1
Purpose :	A segment to identify a person or department within a party.
Usage Notes :	To provide payer and collector contact details.

Pos.	TAG	Element Name	Status	Type	Usage
010	3139	CONTACT FUNCTION CODE	C	an..3	M
		Code specifying the function of a contact (e.g. department or person). Values: IC = Information Contact			
020	C056	CONTACT DETAILS	C		M
		Code and/or name of a contact such as a department or employee. Code preferred.			
	3413	Contact identifier	C	an..17	X
	3412	Contact name	C	an..256	M
		Name of a contact, such as a department or employee. Data elements: H-006.01.05.02 Payer-Contact Name H-006.02.05.02 Collector-Contact Name			

Segment: COM Communication contact

Position :	0510
Group :	12
Level :	2
Status :	C
Usage :	M
Repeats :	9
Purpose :	A segment to identify a communication number of a person or department to whom communication should be directed.
Usage Notes :	To provide payer and collector communication contact details.

Pos.	TAG	Element Name	Status	Type	Usage
010	C076	COMMUNICATION CONTACT	M		M
		Communication number of a department or employee in a specified channel.			
	3148	Communication address identifier	M	an..512	M
		To identify a communication address. Data elements: H-006.01.05.03 Payer Contact-Telephone Number H-006.01.05.04 Payer Contact-Fax Number H-006.01.05.05 Payer Contact-Mail Address H-006.02.05.03 Collector Contact-Telephone Number H-006.02.05.04 Collector Contact-Fax Number H-006.02.05.05 Collector Contact-Mail Address			
	3155	Communication means type code	M	an..3	M
		Code specifying the type of communication address. Values by data element: H-006.01.05.03: TE = Telephone H-006.01.05.04: FX = Fax Number H-006.01.05.05: EM = Electronic mail H-006.02.05.03: TE = Telephone H-006.02.05.04: FX = Fax Number H-006.02.05.05: EM = Electronic mail			

Segment group 13: RFF-DTM

A group of segments to give references relevant to the party.

Max repeats: 9

Usage Indicator: D

Segment: **RFF** Reference

Position :	0530
Group :	13
Level :	2
Status :	M
Usage :	M
Repeats :	1
Purpose :	To specify a reference.
Usage Notes :	To communicate tax IDs of a party from the invoice header.

Pos.	TAG	Element Name	Status	Type	Usage
010	C506	REFERENCE	M		M
		Identification of a reference.			
	1153	Reference code qualifier	M	an..3	M
		Values: VA=VAT registration number. Unique number assigned by the relevant tax authority to identify. FC=Fiscal number. Unique fiscal authorization code assigned by the fiscal authority.			
	1154	Reference identifier	C	an..70	M
		Note: When the reference code is VA, there are 3 options to fill this element: a) Only Tax ID. In this case just the tax reference is filled in Example: DE12345678 b) Tax ID and Tax Type. In this case the field is filled by Tax Id, then a '#' then the tax type Example: DE12345678#VAT c) Tax ID, Tax Type and country. This is case b) with added UN Country code separated by '#' Example: DE123456789#VAT#DE When the reference code is FC, the reference identifier is filled with the fiscal authority code, a '#', the fiscal authority type, a '#' and the country code.			
		Data elements:			

		H-006.1.4.1 Payer-Country of ID H-006.1.4.2 Payer-Tax ID Type H-006.1.4.3 Payer-Tax Registration# H-006.2.4.1 Collector-Country of ID H-006.2.4.2 Collector-Tax ID Type H-006.2.4.3 Collector-Tax Registration# H-006.3.4.1 Invoice Issuer-Country of ID H-006.3.4.2 Invoice Issuer-Tax ID Type H-006.3.4.3 Invoice Issuer-Tax Registration# H-006.3.5.1 Invoice Issuer-Fiscal Authorization Code H-006.3.5.2 Invoice Issuer-Fiscal Authorization Code Type H-006.3.5.3 Invoice Issuer-Fiscal Authorization Country H-006.4.4.1 Shipper-Country of ID H-006.4.4.2 Shipper-Tax ID Type H-006.4.4.3 Shipper-Tax Registration# H-006.5.4.1 Consignee-Country of ID H-006.5.4.2 Consignee-Tax ID Type H-006.5.4.3 Consignee-Tax Registration# H-006.6.4.1 Freight Forwarder-Country of ID H-006.6.4.2 Freight Forwarder-Tax ID Type H-006.6.4.3 Freight Forwarder-Tax Registration# H-006.7.4.1 Notify Party-Country of ID H-006.7.4.2 Notify Party-Tax ID Type H-006.7.4.3 Notify Party-Tax Registration# H-006.8.4.1 On behalf of party-Country of ID H-006.8.4.2 On behalf of party-Tax ID Type H-006.8.4.3 On behalf of party-Tax Registration# H-006.9.4.1 Copy Receiver-Country of ID H-006.9.4.2 Copy Receiver-Tax ID Type H-006.9.4.3 Copy Receiver-Tax Registration# H-006.10.4.1 Contract Party-Country of ID H-006.10.4.2 Contract Party-Tax ID Type H-006.10.4.3 Contract Party-Tax Registration# H-006.11.4.1 Named Account-Country of ID			
	1156	<i>Document line identifier</i>	C	an..6	X
	1056	<i>Version identifier</i>	C	an..9	X
	1060	<i>Revision identifier</i>	C	an..6	X

Segment group 16: PYT-DTM-PCD-MOA

A group of segments specifying the payment terms applicable to the freight costs and/or other charges charged for in this IFTFCC message.

Max repeats: 5
Usage Indicator: M

Segment: **PYT** Payment Terms

Position :	0640
Group :	16
Level :	1
Status :	M
Usage :	M
Repeats :	1
Purpose :	A segment to identify the applicable payment terms.
Usage Notes :	To communicate the payment terms from the invoice header.

Pos.	TAG	Element Name	Status	Type	Usage
010	4279	PAYMENT TERMS TYPE CODE QUALIFIER	M	an..3	M
		Values: 18=Previously agreed upon			
020	C019	PAYMENT TERMS	C		
	4277	Payment terms description identifier	C	an..17	O
		Data elements: H-008.1 Payment Terms Code			
	1131	Code list identification code	C	an..17	O
	3055	Code list responsible agency code	C	an..3	O
		Values: 6=UN/ECE (United Nations - Economic Commission for Europe)			
	4276	Payment terms description	C	an..35	M
		Data elements: H-008.2 Payment Terms Description			
030	2475	EVENT TIME REFERENCE CODE	C	an..3	X
040	2009	TERMS TIME RELATION CODE	C	an..3	X
050	2151	PERIOD TYPE CODE	C	an..3	X
060	2152	PERIOD COUNT QUANTITY	C	n..3	X

Segment: DTM Date/time/period

Position :	0650
Group :	16
Level :	1
Status :	C
Usage :	M
Repeats :	5
Purpose :	To specify date, and/or time, or period.
Usage Notes :	To communicate payment period from the invoice header.

Pos.	TAG	Element Name	Status	Type	Usage
010	C507	DATE/TIME/PERIOD	M		M
		Date and/or time, or period relevant to the specified date/time/period type.			
	2005	Date or time or period function code qualifier	M	an..3	M
		Values by data element: H-008.3 Payment Term Days: 531=Payment period. A period of time in which a payment has been or will be made. H-007.4 Payment Due Date: 13 = Terms net due date. Date by which payment must be			
	2380	Date or time or period text	C	an..35	M
		The value of a date, a date and time, a time or of a period in a specified representation. Data elements: H-008.3 Payment Term Days H-007.4 Payment Due Date			
	2379	Date or time or period format code	C	an..3	M
		Values by data element: H-008.3 Payment Term Days: 804=Day. To indicate a quantity of days. H-007.4 Payment Due Date: 102=CCYYMMDD. Calendar date: C = Century ; Y = Year ; M = Month ; D = Day			

Segment group 17: TDT-TCC-DTM-LOC-SG18

A group of segments describing transport details or voyages or conveyances to which the charges apply or which form a reference for the consignments or goods items charged for in the invoice message.

Max repeats: 99

Usage Indicator: D

Segment: **TDT** Transport information

Position :	0690
Group :	17
Level :	1
Status :	M
Usage :	M
Repeats :	1
Purpose :	To specify information regarding the transport such as mode of transport, means of transport, its conveyance reference number and the identification of the means of transport.

Usage Notes : To communicate voyage and leg related details from the voyage details and mode of transport on the Invoice line items.
 To specify the transport details such as mode of transport, means of transport, its conveyance reference number and the identification of the means of transport.
 This segment may be pointed to by the TPL segment.

Pos.	TAG	Element Name	Status	Type	Usage
010	8051	TRANSPORT STAGE CODE QUALIFIER	M	an..3	M
		Data elements: V-020 Leg Type Values: 10 = Pre-carriage transport 20 = Main-carriage transport 30 = On-carriage transport			
020	8028	MEANS OF TRANSPORT JOURNEY IDENTIFIER	C	an..17	M
		Data elements: V-022.1 Public Voyage Number			
030	C220	MODE OF TRANSPORT	C		D
	8067	Transport mode name code	C	an..3	D
		Data elements: L-019.01 Mode of Transport Origin (requires 8051=10) L-019.02 Mode of Transport Destination (requires 8051=30)			

	8066	Transport mode name	C	an..17	X
040	C001	TRANSPORT MEANS	C		X
	8179	Transport means description code	C	an..8	X
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X
	8178	Transport means description	C	an..17	X
050	C040	CARRIER	C		X
	3127	Carrier identifier	C	an..17	X
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X
	3126	Carrier name	C	an..35	X
060	8101	TRANSIT DIRECTION INDICATOR CODE	C	an..3	X
070	C401	EXCESS TRANSPORTATION INFORMATION	C		X
	8457	Excess transportation reason code	M	an..3	X
	8459	Excess transportation responsibility code	M	an..3	X
	7130	Customer shipment authorisation identifier	C	an..17	X
080	C222	TRANSPORT IDENTIFICATION	C		O
	8213	Transport means identification name identifier	C	an..35	M
		Data elements: V-021.1.1 IMO Vessel Number			
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	M
		Values: 54=IMO (International Maritime Organisation)			
	8212	Transport means identification name	C	an..70	M
		Data elements: V-021.2 Vessel name			
	8453	Transport means nationality code	C	an..3	X
090	8281	TRANSPORT MEANS OWNERSHIP INDICATOR CODE	C	an..3	X
100	C003	POWER TYPE	C		X
	7041	Power type code	C	an..3	X
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X
	7040	Power type description	C	an..17	X

Segment: **TCC** Charge/rate calculations

Position :	0700
Group :	17
Level :	1
Status :	C
Usage :	D
Repeats :	99
Purpose :	To specify charges.
Usage Notes :	To communicate the invoice line item numbers relevant for a voyage detail

Pos.	TAG	Element Name	Status	Type	Usage
010	C200	CHARGE	C		M
	8023	Freight and other charges description identifier	C	an..17	X
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X
	8022	Freight and other charges description	C	an..26	X
	4237	Payment arrangement code	C	an..3	X
	7140	Item identifier	C	an..35	M
		Data elements:			
		V-099 Line Item Number			
020	C203	RATE/TARIFF CLASS	C		X
	5243	Rate or tariff class description code	M	an..9	X
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X
	5242	Rate or tariff class description	C	an..35	X
	5275	Supplementary rate or tariff code	C	an..6	X
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X
	5275	Supplementary rate or tariff code	C	an..6	X
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X
030	C528	COMMODITY/RATE DETAIL	C		X
	7357	Commodity identification code	C	an..18	X
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X
040	C554	RATE/TARIFF CLASS DETAIL	C		X
	5243	Rate or tariff class description code	C	an..9	X
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X

Segment: DTM Date/time/period

Position :	0710
Group :	17
Level :	1
Status :	C
Usage :	D
Repeats :	9
Purpose :	To specify date, and/or time, or period.
Usage Notes :	To communicate the arrival and departure dates on the voyage details

Pos.	TAG	Element Name	Status	Type	Usage
010	C507	DATE/TIME/PERIOD	M		M
	2005	Date or time or period function code qualifier	M	an..3	M
		Values by data element: V-007.9 Departure Date: 133=Departure date/time, estimated. Date/time when carrier estimates that a means of transport should depart at the place of departure. V-007.10 Arrival Date: 132=Arrival date/time, estimated. Date/time when carrier estimates that a means of transport should arrive at the port of discharge or			
	2380	Date or time or period text	C	an..35	M
		Data elements: V-007.9 Departure Date V-007.10 Arrival Date			
	2379	Date or time or period format code	C	an..3	M
		Values: 102=CCYYMMDD. Calendar date: C = Century ; Y = Year ; M = Month ; D = Day			

Segment group 18: RFF-DTM

A group of segments giving a reference to the transport details (such as voyage number) and or providing a cross-reference to a charge item (Segment group 6: TCC-group) on message top level.

Max repeats: 9
Usage Indicator: 0

Segment: **RFF** Reference

Position :	0740
Group :	18
Level :	2
Status :	M
Usage :	M
Repeats :	1
Purpose :	To specify a reference.
Usage Notes :	To communicate the service of a voyage on the voyage details

Pos.	TAG	Element Name	Status	Type	Usage
010	C506	REFERENCE	M		M
	1153	Reference code qualifier	M	an..3	M
		Values: AEM=Transport route			
	1154	Reference identifier	C	an..70	M
		Data elements: V-022.2 Service			
	1156	<i>Document line identifier</i>	C	an..6	X
	1056	<i>Version identifier</i>	C	an..9	X
	1060	<i>Revision identifier</i>	C	an..6	X

Segment group 19: *GID-TCC-HAN-TMP-TMD-LOC-PCI-PIA-FTX-SG20-SG21-SG22-SG23*

A group of segments describing goods item details for which the charge(s) applies. The charges can be detailed on message top level (TCC segment group).

Max repeats: 99
Usage Indicator: D

Segment: **GID** Goods item details

Position :	0770
Group :	19
Level :	1
Status :	M
Usage :	M
Repeats :	1
Purpose :	To indicate totals of a goods item.
Usage Notes :	To communicate package details on cargo details.

Pos.	TAG	Element Name	Status	Type	Usage
010	1496	GOODS ITEM NUMBER	C	an..6	X
020	C213	NUMBER AND TYPE OF PACKAGES	C		D
	7224	Package quantity	C	n..8	D
		Data elements: C-023.2 Number of packages			
	7065	Package type description code	C	an..17	D
		Data elements: C-023.1 Type of package			
	1131	Code list identification code	C	an..17	D
		Values: 67=Type of package			
	3055	Code list responsible agency code	C	an..3	D
		Values: 6=UN/ECE (United Nations - Economic Commission for Europe)			
	7064	Type of packages	C	an..35	D
		Data elements: C-023.3 Package description			
	7233	Packaging related description code	C	an..3	X
030	C213	NUMBER AND TYPE OF PACKAGES	C		X

	7224	Package quantity	C	n..8	X
	7065	Package type description code	C	an..17	X
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X
	7064	Type of packages	C	an..35	X
	7233	Packaging related description code	C	an..3	X
040	C213	NUMBER AND TYPE OF PACKAGES	C		X
	7224	Package quantity	C	n..8	X
	7065	Package type description code	C	an..17	X
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X
	7064	Type of packages	C	an..35	X
	7233	Packaging related description code	C	an..3	X
050	C213	NUMBER AND TYPE OF PACKAGES	C		X
	7224	Package quantity	C	n..8	X
	7065	Package type description code	C	an..17	X
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X
	7064	Type of packages	C	an..35	X
	7233	Packaging related description code	C	an..3	X
060	C213	NUMBER AND TYPE OF PACKAGES	C		X
	7224	Package quantity	C	n..8	X
	7065	Package type description code	C	an..17	X
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X
	7064	Type of packages	C	an..35	X
	7233	Packaging related description code	C	an..3	X

Segment: **TCC** Charge/rate calculations

Position :	0780
Group :	19
Level :	1
Status :	C
Usage :	D
Repeats :	99
Purpose :	To specify charges.
Usage Notes :	To communicate the invoice line item numbers relevant for a cargo detail.

Pos.	TAG	Element Name	Status	Type	Usage
010	C200	CHARGE	C		M
	8023	Freight and other charges description identifier	C	an..17	X
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X
	8022	Freight and other charges description	C	an..26	X
	4237	Payment arrangement code	C	an..3	X
	7140	Item identifier	C	an..35	M
		Data elements:			
		C-099 Line Item Number			
020	C203	RATE/TARIFF CLASS	C		X
	5243	Rate or tariff class description code	M	an..9	X
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X
	5242	Rate or tariff class description	C	an..35	X
	5275	Supplementary rate or tariff code	C	an..6	X
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X
	5275	Supplementary rate or tariff code	C	an..6	X
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X
030	C528	COMMODITY/RATE DETAIL	C		X
	7357	Commodity identification code	C	an..18	X
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X
040	C554	RATE/TARIFF CLASS DETAIL	C		X
	5243	Rate or tariff class description code	C	an..9	X



	1131	<i>Code list identification code</i>	C	<i>an..17</i>	X
	3055	<i>Code list responsible agency code</i>	C	<i>an..3</i>	X

Segment: PCI Package identification

Position :	0830
Group :	19
Level :	1
Status :	C
Usage :	O
Repeats :	9
Purpose :	To specify markings and labels on individual packages or physical units.
Usage Notes :	To communicate marks and numbers on cargo details.

Pos.	TAG	Element Name	Status	Type	Usage
010	4233	MARKING INSTRUCTIONS CODE	C	an..3	X
020	C210	MARKS & LABELS	C		O
	7102	Shipping marks description	M	an..35	M
		Data elements: C-025 Marks and Numbers			
	7102	Shipping marks description	C	an..35	O
		Data elements: C-025 Marks and Numbers			
	7102	Shipping marks description	C	an..35	O
		Data elements: C-025 Marks and Numbers			
	7102	Shipping marks description	C	an..35	O
		Data elements: C-025 Marks and Numbers			
	7102	Shipping marks description	C	an..35	O
		Data elements: C-025 Marks and Numbers			
	7102	Shipping marks description	C	an..35	O
		Data elements: C-025 Marks and Numbers			
	7102	Shipping marks description	C	an..35	O
		Data elements: C-025 Marks and Numbers			

		C-025 Marks and Numbers			
	7102	Shipping marks description Data elements: C-025 Marks and Numbers	C	an..35	O
030	8169	FULL OR EMPTY INDICATOR CODE	C	an..3	X
040	C827	TYPE OF MARKING	C		X
	7511	Marking type code	M	an..3	X
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X

Segment: PIA Additional product id

Position :	0840
Group :	19
Level :	1
Status :	C
Usage :	D
Repeats :	9
Purpose :	To specify additional or substitutional item identification codes.
Usage Notes :	To communicate commodity details on cargo details.

Pos.	TAG	Element Name	Status	Type	Usage
010	4347	PRODUCT IDENTIFIER CODE QUALIFIER	M	an..3	M
		Values: 5=Product identification			
020	C212	ITEM NUMBER IDENTIFICATION	M		M
	7140	Item identifier	C	an..35	M
		Data elements: C-026.1.1 HS Code C-026.1.2 Invoice Issuer Commodity Code C-026.1.3 Payers Commodity Code C-026.1.4 US Schedule code			
	7143	Item type identification code	C	an..3	M
		Values by data element: C-026.1.1 HS Code: HS=Harmonised system C-026.1.2 Invoice Issuer Commodity Code:CG=Commodity grouping C-026.1.3 Payers Commodity Code: GB=Buyer's internal product group code C-026.1.4 US Schedule code: GN=National product group code. National product group code. Administered by a national agency.			
	1131	Code list identification code	C	an..17	M
		Values: 22=Commodity. Code identifying types of goods for Customs, transport or statistical purposes (generic term).			
	3055	Code list responsible agency code	C	an..3	M
		Values by data element: C-026.1.2 Invoice Issuer Commodity Code:87=Assigned by carrier. Codes assigned by the carrier. C-026.1.3 Payers Commodity Code: 92=Assigned by buyer or buyer's agent			
030	C212	ITEM NUMBER IDENTIFICATION	C		O
	7140	Item identifier	C	an..35	M
		Data elements:			

		C-026.1.1 HS Code C-026.1.2 Invoice Issuer Commodity Code C-026.1.3 Payers Commodity Code C-026.1.4 US Schedule code			
	7143	Item type identification code	C	an..3	M
		Values by data element: C-026.1.1 HS Code: HS=Harmonised system C-026.1.2 Invoice Issuer Commodity Code:CG=Commodity grouping C-026.1.3 Payers Commodity Code: GB=Buyer's internal product group code C-026.1.4 US Schedule code: GN=National product group code. National product group code.			
	1131	Code list identification code	C	an..17	M
		Values: 22=Commodity. Code identifying types of goods for Customs, transport or statistical purposes (generic term).			
	3055	Code list responsible agency code	C	an..3	M
		Values by data element: C-026.1.2 Invoice Issuer Commodity Code:87=Assigned by carrier. Codes assigned by the carrier. C-026.1.3 Payers Commodity Code: 92=Assigned by buyer or buyer's agent			
040	C212	ITEM NUMBER IDENTIFICATION	C		O
	7140	Item identifier <i>See above</i>	C	an..35	M
	7143	Item type identification code <i>See above</i>	C	an..3	M
	1131	Code list identification code <i>See above</i>	C	an..17	M
	3055	Code list responsible agency code <i>See above</i>	C	an..3	M
050	C212	ITEM NUMBER IDENTIFICATION	C		O
	7140	Item identifier <i>See above</i>	C	an..35	M
	7143	Item type identification code <i>See above</i>	C	an..3	M
	1131	Code list identification code <i>See above</i>	C	an..17	M
	3055	Code list responsible agency code <i>See above</i>	C	an..3	M
060	C212	ITEM NUMBER IDENTIFICATION	C		O
	7140	Item identifier <i>See above</i>	C	an..35	M
	7143	Item type identification code <i>See above</i>	C	an..3	M
	1131	Code list identification code <i>See above</i>	C	an..17	M



	3055	Code list responsible agency code <i>See above</i>	C	an..3	M
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Segment: FTX Free text

Position :	0850
Group :	19
Level :	1
Status :	C
Usage :	D
Repeats :	9
Purpose :	To provide free form or coded text information.
Usage Notes :	To communicate commodity name and cargo description on cargo details.

Pos.	TAG	Element Name	Status	Type	Usage
010	4451	TEXT SUBJECT CODE QUALIFIER	M	an..3	M
		Values: AAA=Goods description			
020	4453	FREE TEXT FUNCTION CODE	C	an..3	X
030	C107	TEXT REFERENCE	C		M
	4441	Free text description code	M	an..17	M
		Values by data elements: C-024 Goods description: none C-026.2 Commodity Name: NAME			
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X
040	C108	TEXT LITERAL	C		M
	4440	Free text	M	an..512	M
		Data elements: C-024 Goods description C-026.2 Commodity Name			
	4440	Free text	C	an..512	O
		Data elements: C-024 Goods description			
	4440	Free text	C	an..512	O
		Data elements: C-024 Goods description			
	4440	Free text	C	an..512	O
		Data elements:			

		C-024 Goods description			
	4440	Free text	C	an..512	O
		Data elements:			
		C-024 Goods description			
050	3453	LANGUAGE NAME CODE	C	an..3	X
060	4447	FREE TEXT FORMAT CODE	C	an..3	X

Segment group 20: MEA-EQN

A group of segments to specify measurements applicable to a goods item.

Max repeats: 9

Usage Indicator: D

Segment: MEA Measurements

Position : 0870

Group : 20

Level : 2

Status : M

Usage : M

Repeats : 1

Purpose : To specify physical measurements, including dimension tolerances, weights and counts.

Usage Notes : To communicate volume and weight on cargo details.

Pos.	TAG	Element Name	Status	Type	Usage
010	6311	MEASUREMENT PURPOSE CODE QUALIFIER	M	an..3	M
		Values: AAE=Measurement. Value of the measured unit.			
020	C502	MEASUREMENT DETAILS	C		M
	6313	Measured attribute code	C	an..3	M
		Values by data element: C-027.2 Gross Volume unit: AAW=Gross volume C-028.2 Gross weight unit: G=Gross Weight			
	6321	Measurement significance code	C	an..3	X
	6155	Non-discrete measurement name code	C	an..17	X
	6154	Non-discrete measurement name	C	an..70	X
030	C174	VALUE/RANGE	C		M
	6411	Measurement unit code	M	an..8	M
		Data elements: C-027.2 Gross Volume unit C-028.2 Gross weight unit			
	6314	Measure	C	an..18	M
		Data element: C-027.1 Gross volume C-028.1 Gross weight			
	6162	Range minimum quantity	C	n..18	X



	6152	<i>Range maximum quantity</i>	C	<i>n..18</i>	X
	6432	<i>Significant digits quantity</i>	C	<i>n..2</i>	X
040	7383	<i>SURFACE OR LAYER CODE</i>	C	<i>an..3</i>	X

Segment group 22: RFF-DTM

A group of segments to identify references to a goods item.

Max repeats: 9

Usage Indicator: D

Segment: **RFF** Reference

Position : 0930

Group : 22

Level : 2

Status : M

Usage : O

Repeats : 1

Purpose : To specify a reference.

Usage Notes : To communicate references specific to a cargo detail.

Pos.	TAG	Element Name	Status	Type	Usage
010	C506	REFERENCE	M		M
	1153	Reference code qualifier	M	an..3	M
		Values by data element: C-010.21 SKU Number: ABW=Stock keeping unit number C-010.03 Equipment#: AAQ=Unit load device (e.g. container) identification number. Marks (letters and/or numbers) which identify a unit load device e.g. freight container. C-010.22 Vehicle Number: AKG=Vehicle Identification Number (VIN). The identification number which uniquely distinguishes one vehicle from another through the lifespan of the vehicle. C-010.04 Purchase Order#: ON=Order number (purchase). Reference number assigned by the buyer to an order.			
	1154	Reference identifier	C	an..70	M
		Data elements: C-010.21 SKU Number C-010.03 Equipment# C-010.22 Vehicle Number C-010.04 Purchase Order#			
	1156	<i>Document line identifier</i>	C	<i>an..6</i>	X
	1056	<i>Version identifier</i>	C	<i>an..9</i>	X
	1060	<i>Revision identifier</i>	C	<i>an..6</i>	X

Segment group 23: DGS-FTX

A group of segments to specify dangerous goods details related to the goods item. One goods item may be in different dangerous goods classes.

Max repeats: 9
Usage Indicator: D

Segment: **DGS** Dangerous Goods

Position :	0960
Group :	23
Level :	2
Status :	M
Usage :	M
Repeats :	1
Purpose :	To identify dangerous goods.
Usage Notes :	To communicate IMDG class and UN Number on cargo details.

Pos.	TAG	Element Name	Status	Type	Usage
010	8273	DANGEROUS GOODS REGULATIONS CODE	C	an..3	M
		Values: IMD=IMO IMDG code. Regulations regarding the transportation of dangerous goods on ocean-going vessels issued by the International Maritime Organization.			
020	C205	HAZARD CODE	C		M
	8351	Hazard identification code	M	an..7	M
		Data elements: C-029.1 IMDG Class			
	8078	<i>Additional hazard classification identifier</i>	C	an..7	X
	8092	<i>Hazard code version identifier</i>	C	an..10	X
030	C234	UNDG INFORMATION	C		M
	7124	United Nations Dangerous Goods (UNDG) identifier	C	n4	M
		Data elements: C-029.2 UNDG Number			
	7088	<i>Dangerous goods flashpoint description</i>	C	an..8	X
040	C223	DANGEROUS GOODS SHIPMENT FLASHPOINT	C		X
	7106	<i>Shipment flashpoint degree</i>	C	n3	X
	6411	<i>Measurement unit code</i>	C	an..8	X
050	8339	PACKAGING DANGER LEVEL CODE	C	an..3	X

060	8364	EMERGENCY PROCEDURE FOR SHIPS IDENTIFIER	C	an..6	X
070	8410	HAZARD MEDICAL FIRST AID GUIDE IDENTIFIER	C	an..4	X
080	8126	TRANSPORT EMERGENCY CARD IDENTIFIER	C	an..10	X
090	C235	HAZARD IDENTIFICATION PLACARD DETAILS	C		X
	8158	Orange hazard placard upper part identifier	C	an..4	X
	8186	Orange hazard placard lower part identifier	C	an4	X
100	C236	DANGEROUS GOODS LABEL	C		X
	8246	Dangerous goods marking identifier	C	an..4	X
	8246	Dangerous goods marking identifier	C	an..4	X
	8246	Dangerous goods marking identifier	C	an..4	X
	8246	Dangerous goods marking identifier	C	an..4	X
110	8255	PACKING INSTRUCTION TYPE CODE	C	an..3	X
120	8179	TRANSPORT MEANS DESCRIPTION CODE	C	an..8	X
130	8211	HAZARDOUS CARGO TRANSPORT AUTHORISATION CODE	C	an..3	X
140	C289	TUNNEL RESTRICTION	C		X
	8461	Tunnel Restriction Code	C	an..6	X
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X

Segment group 24: EQD-TCC-EQN-TMD-MEA-DIM-SEL-TPL-FTX-SG25-SG26-SG27

A group of segments describing equipment details for which the charge(s) applies. The charges can be detailed on message top level (TCC segment group).

Max repeats: 999
Usage Indicator: D

Segment: EQD Equipment details

Position :	0990
Group :	24
Level :	1
Status :	M
Usage :	M
Repeats :	1
Purpose :	To identify a unit of equipment.
Usage Notes :	To communicate number and type of equipment on equipment details.

Pos.	TAG	Element Name	Status	Type	Usage
010	8053	EQUIPMENT TYPE CODE QUALIFIER	M	an..3	M
		Values: CN=Container			
020	C237	EQUIPMENT IDENTIFICATION	C		D
	8260	Equipment identifier	C	an..17	M
		Data elements: E-010.03 Equipment#			
	1131	Code list identification code	C	an..17	M
		Values: 146=Actual Container Number			
	3055	Code list responsible agency code	C	an..3	X
	3207	Country identifier	C	an..3	X
030	C224	EQUIPMENT SIZE AND TYPE	C		D
	8155	Equipment size and type description code	C	an..10	M
		Data elements (only one of both is possible in this message): E-030.1 Container Type ISO Code E-030.2 Container ISO Size Type			
	1131	Code list identification code	C	an..17	M
		Values: 102=Size and type			

	3055	Code list responsible agency code	C	an..3	M
		Values: 5=ISO (International Organization for Standardization)			
	8154	Equipment size and type description	C	an..35	M
		Data elements: E-030.3 Container Type Description			
040	8077	EQUIPMENT SUPPLIER CODE	C	an..3	D
		Data elements: E-034 Container Operator			
050	8249	<i>EQUIPMENT STATUS CODE</i>	C	an..3	X
060	8169	FULL OR EMPTY INDICATOR CODE	C	an..3	D
		Data elements: E-031 Laden-Empty Indicator			
070	4233	<i>MARKING INSTRUCTIONS CODE</i>	C	an..3	X

Segment: **TCC** Charge/rate calculations

Position :	1000
Group :	24
Level :	1
Status :	C
Usage :	D
Repeats :	99
Purpose :	To specify charges.
Usage Notes :	To communicate the invoice line item number relevant to a specific equipment detail.

Pos.	TAG	Element Name	Status	Type	Usage
010	C200	CHARGE	C		M
	8023	Freight and other charges description identifier	C	an..17	X
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X
	8022	Freight and other charges description	C	an..26	X
	4237	Payment arrangement code	C	an..3	X
	7140	Item identifier	C	an..35	M
		Data elements:			
		E-099 Line Item Number			
020	C203	RATE/TARIFF CLASS	C		X
	5243	Rate or tariff class description code	M	an..9	X
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X
	5242	Rate or tariff class description	C	an..35	X
	5275	Supplementary rate or tariff code	C	an..6	X
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X
	5275	Supplementary rate or tariff code	C	an..6	X
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X
030	C528	COMMODITY/RATE DETAIL	C		X
	7357	Commodity identification code	C	an..18	X
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X
040	C554	RATE/TARIFF CLASS DETAIL	C		X
	5243	Rate or tariff class description code	C	an..9	X
	1131	Code list identification code	C	an..17	X

	3055	<i>Code list responsible agency code</i>	C	<i>an..3</i>	X
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Segment: **MEA** Measurements

Position : 1030

Group : 24

Level : 1

Status : C

Usage : D

Repeats : 9

Purpose : To specify physical measurements, including dimension tolerances, weights and counts.

Usage Notes : To communicate gross weight and slot kill of an equipment on the equipment details.

Pos.	TAG	Element Name	Status	Type	Usage
010	6311	MEASUREMENT PURPOSE CODE QUALIFIER	M	an..3	M
		Values by data element: E-032.1 Gross Weight Amount: AAE=Measurement. Value of the measured unit. E-033.6 Slot kill: ACA=Space occupied. Space taken up or filled.			
020	C502	MEASUREMENT DETAILS	C		M
	6313	Measured attribute code	C	an..3	M
		Values by data element: E-032.1 Gross Weight Amount: G=Gross Weight E-033.6 Slot kill: AEL=Area			
	6321	Measurement significance code	C	an..3	X
	6155	Non-discrete measurement name code	C	an..17	X
	6154	Non-discrete measurement name	C	an..70	X
030	C174	VALUE/RANGE	C		M
	6411	Measurement unit code	M	an..8	M
		Values by data element: E-032.2 Gross weight UoM for E-033.6 Slot kill: E22=TEU			
	6314	Measure	C	an..18	M
		Data elements: E-032.1 Gross Weight Amount E-033.6 Slot kill			
	6162	Range minimum quantity	C	n..18	X
	6152	Range maximum quantity	C	n..18	X
	6432	Significant digits quantity	C	n..2	X
040	7383	SURFACE OR LAYER CODE	C	an..3	X

Segment: DIM Dimensions

Position :	1040
Group :	24
Level :	1
Status :	C
Usage :	D
Repeats :	9
Purpose :	To specify dimensions.
Usage Notes :	To communicate out of gauge dimensions on the equipment details.

Pos.	TAG	Element Name	Status	Type	Usage
010	6145	DIMENSION TYPE CODE QUALIFIER	M	an..3	M
		Values by data element: E-033.1 Overheight: 13=Off-standard dimensions height. The dimension in the height that the cargo exceeds the standard height at the top of a piece of equipment. E-033.2 Overwidth right: 7=Off-standard dimension right. The dimension in the width that the cargo exceeds the standard width at the right side of an equipment. E-033.3 Overwidth Left: 8=Off-standard dimension left. The dimension in the width that the cargo exceeds the standard width at the left side of an equipment. E-033.4 Overlength front: 5=Off-standard dimension front. The dimension in the length that the cargo exceeds the standard length at the front of an equipment. E-033.5 Overlength rear: 6=Off-standard dimension back. The dimension in the length that the cargo exceeds the standard length at the back of an equipment.			
020	C211	DIMENSIONS	M		M
	6411	Measurement unit code	M	an..8	M
		Data elements: E-033.1.2 Overheight UoM E-033.2.2 Overwidth right UoM E-033.3.2 Overwidth left UoM E-033.4.2 Overlength front UoM E-033.5.2 Overlength rear UoM			
	6168	Length measure	C	n..15	C
		Data elements: E-033.4.1 Overlength front amount E-033.5.1 Overlength rear amount			
	6140	Width measure	C	n..15	C
		Data elements: E-033.2.1 Overwidth right amount E-033.3.1 Overwidth left amount			
	6008	Height measure	C	n..15	C
		Data elements: E-033.1.1 Overheight amount			

Segment: FTX Free text

Position :	1070
Group :	24
Level :	1
Status :	C
Usage :	D
Repeats :	9
Purpose :	To provide free form or coded text information.
Usage Notes :	To communicate container substitution and non operative reefer information on the equipment details.

Pos.	TAG	Element Name	Status	Type	Usage
010	4451	TEXT SUBJECT CODE QUALIFIER	M	an..3	M
		Values: ABK=Chargeable category of equipment. Equipment types are coded by category for financial purposes.			
020	4453	FREE TEXT FUNCTION CODE	C	an..3	X
030	C107	TEXT REFERENCE	C		D
	4441	Free text description code	M	an..17	M
		Value by data element: E-035 Container Substitution: SUBSTITUTION E-036 Non operated Reefer Indicator: NOR			
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X
040	C108	TEXT LITERAL	C		D
	4440	Free text	M	an..512	D
		Data elements: E-035.1 Substituted Number			
	4440	Free text	C	an..512	D
		Data elements: E-035.2 Substituted Type			
	4440	Free text	C	an..512	D
		Data elements: E-036 Non operated Reefer Indicator			
	4440	Free text	C	an..512	X
	4440	Free text	C	an..512	X
050	3453	LANGUAGE NAME CODE	C	an..3	X



060	4447	FREE TEXT FORMAT CODE	C	an..3	X
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Segment group 25: RFF-DTM

A group of segments giving a reference to the equipment details.

Max repeats: 9

Usage Indicator: 0

Segment: **RFF** Reference

Position : 1090

Group : 25

Level : 2

Status : M

Usage : M

Repeats : 1

Purpose : To specify a reference.

Usage Notes : To communicate references specific to an equipment on the equipment details.

Pos.	TAG	Element Name	Status	Type	Usage
010	C506	REFERENCE	M		M
	1153	Reference code qualifier	M	an..3	M
		Value by data element: E-010.21 SKU Number: ABW=Stock keeping unit number E-010.22 Vehicle Number: AKG=Vehicle Identification Number (VIN). The identification number which uniquely distinguishes one vehicle from another through the lifespan of the vehicle. E-010.04 Purchase Order#: ON=Order number (purchase). Reference number assigned by the buyer to an order.			
	1154	Reference identifier	C	an..70	M
		Data elements: E-010.21 SKU Number E-010.22 Vehicle Number E-010.04 Purchase Order#			
	1156	<i>Document line identifier</i>	C	<i>an..6</i>	<i>X</i>
	1056	<i>Version identifier</i>	C	<i>an..9</i>	<i>X</i>
	1060	<i>Revision identifier</i>	C	<i>an..6</i>	<i>X</i>

Segment group 28: CNI-TCC-DTM-TSR-FTX-MOA-SG29-SG30-SG31-SG32-SG33-SG34-SG35-SG37-SG42

Max repeats: 99

Usage Indicator: D

Segment: CNI Consignment information

Position :	1180
Group :	28
Level :	1
Status :	M
Usage :	M
Repeats :	1
Purpose :	To identify one consignment.
Usage Notes :	To communicate the B/L number on the consignment details.

Pos.	TAG	Element Name	Status	Type	Usage
010	1490	CONSOLIDATION ITEM NUMBER	C	n..5	X
020	C503	DOCUMENT/MESSAGE DETAILS	C		M
	1004	Document identifier	C	an..70	M
		Data elements: S-010.01 B/L Number			
	1373	Document status code	C	an..3	X
	1366	Document source description	C	an..70	X
	3453	Language name code	C	an..3	X
	1056	Version identifier	C	an..9	X
	1060	Revision identifier	C	an..6	X
030	1312	CONSIGNMENT LOAD SEQUENCE IDENTIFIER	C	n..4	X

Segment: TCC Charge/rate calculations

Position :	1190
Group :	28
Level :	1
Status :	C
Usage :	D
Repeats :	99
Purpose :	To specify charges.
Usage Notes :	To communicate the invoice line item numbers relevant for a consignment detail.

Pos.	TAG	Element Name	Status	Type	Usage
010	C200	CHARGE	C		M
	8023	Freight and other charges description identifier	C	an..17	X
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X
	8022	Freight and other charges description	C	an..26	X
	4237	Payment arrangement code	C	an..3	X
	7140	Item identifier	C	an..35	M
		Data elements:			
		S-099 Line Item Number			
020	C203	RATE/TARIFF CLASS	C		X
	5243	Rate or tariff class description code	M	an..9	X
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X
	5242	Rate or tariff class description	C	an..35	X
	5275	Supplementary rate or tariff code	C	an..6	X
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X
	5275	Supplementary rate or tariff code	C	an..6	X
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X
030	C528	COMMODITY/RATE DETAIL	C		X
	7357	Commodity identification code	C	an..18	X
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X
040	C554	RATE/TARIFF CLASS DETAIL	C		X
	5243	Rate or tariff class description code	C	an..9	X
	1131	Code list identification code	C	an..17	X
	3055	Code list responsible agency code	C	an..3	X

Segment group 31: RFF-*DTM*

A group of segments giving a reference to the consignment specified.

Max repeats: 9

Usage Indicator: D

Segment: **RFF** Reference

Position :	1310
Group :	31
Level :	2
Status :	M
Usage :	M
Repeats :	1
Purpose :	To specify a reference.
Usage Notes :	To communicate the D/O number on the consignment details.

Pos.	TAG	Element Name	Status	Type	Usage
010	C506	REFERENCE	M		M
	1153	Reference code qualifier	M	an..3	M
		Values by data element: S-010.25 Delivery Order Number: AAJ=Delivery order number. Reference number assigned by issuer			
	1154	Reference identifier	C	an..70	M
		Data elements: S-010.25 Delivery Order Number			
	1156	<i>Document line identifier</i>	C	an..6	X
	1056	<i>Version identifier</i>	C	an..9	X
	1060	<i>Revision identifier</i>	C	an..6	X

Trailers

Segment: **UNT** Message Trailer

Position :	1930
Group :	
Level :	0
Status :	M
Usage :	M
Repeats :	1
Purpose :	To end and check the completeness of a message
Usage Notes :	

Pos.	TAG	Element Name	Status	Type	Usage
010	0074	NUMBER OF SEGMENTS IN A MESSAGE	M	n..10	M
		The number of segments in a message body, plus the message header segment and message trailer segment.			
020	0062	MESSAGE REFERENCE NUMBER	M	an..14	M
		Unique message reference assigned by the sender.			

Segment: UNE Functional Group Trailer

Position : _____
Group : _____
Level : 0
Status : C
Usage : O
Repeats : 1
Purpose : To end and check the completeness of a group
Usage Notes : _____

TAG	Element Name	Status	Type	Usage
0060	NUMBER OF MESSAGES	M	n..6	M
	The number of messages and packages in the group.			
0048	FUNCTIONAL GROUP REFERENCE NUMBER	M	an..14	M
	Unique reference number for the group within an interchange.			

Segment: UNZ Interchange Trailer

Position : _____
Group : _____
Level : 0
Status : M
Usage : M
Repeats : 1
Purpose : To end and check the completeness of an interchange
Usage Notes : _____

TAG	Element Name	Status	Type	Usage
0036	INTERCHANGE CONTROL COUNT	M	n..6	M
	Description: The number of messages and packages in an interchange or, if used, the number of groups in an interchange.			
0020	INTERCHANGE CONTROL REFERENCE	M	an..14	M
	Description: Unique reference assigned by the sender to an interchange.			

7 Mapping to Invoice Message Model

See attachment 1 to this guideline:

http://www.ofi-sab.org/eipp/model/v0.2/OFI-EIPP-SAB-3-InvoiceMessage_IFTFCC-MIG-Standard-1.xlsx

7.1 Mapping limitations

The following data elements from the invoice message model can not be mapped into the IFTFCC

Code	Name	Issue	Mitigation
L-012.2	Tax Amount	Not able to map	This is the tax amount on item level. Amount is available on header level (H-012.2). Line item amount can be calculated from base amount (L-012.3) and percentage (L-012.5).
L-012.4	Tax Currency	Not able to map	This is the tax currency on item level. It should be same as tax currency on header level (H-012.4)
E-030.1	Container type ISO code	Only one of both elements can be transferred	If both fields are required then E-030.2 shall be transmitted. E-030.1 can be derived from E-030.2
E-030.2	Container ISO size type		

8 Normative References

The following guidelines or standards are normative:

[UN/EDIFACT IFTFCC]

http://www.unece.org/trade/untidd/d11a/trmd/iftfcc_c.htm

[EIPP SAB Data Dictionary]

<http://www.ofi-sab.org/eipp/model/v0.2/OFI-EIPP-SAB-1-DataElementDictionary-DIC-Standard-2.pdf>

[EIPP SAB Data Dictionary – Attachment #1]

<http://www.ofi-sab.org/eipp/model/v0.2/OFI-EIPP-SAB-1-DataElementDictionary-DIC-Standard-2.xlsx>

[EIPP SAB Invoice Logical Data Model]

<http://www.ofi-sab.org/eipp/model/v0.1/OFI-EIPP-SAB-2-InvoiceMessageModel-MOD-Standard-1.pdf>

[EIPP SAB Invoice Logical Data Model – Attachment #1]

http://www.ofi-sab.org/eipp/model/v0.2/OFI-EIPP-SAB-3-InvoiceMessage_IFTFCC-MOD-Standard-1.xlsx