IFTMBF Firm Booking Message From INTTRA To NVO Carrier

2017

EDIFACT Version D Release 99B

User Guide Version 1.1

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I. Audience

This document is intended for business, technical and EDI personnel engaged in establishing an electronic connection with INTTRA for the purpose of receiving and processing Customer booking request messages from the INTTRA Portal via INTTRA's version of EDIFACT IFTMBF (D99B).

The following sections provide detail information regarding General Conventions, message flow, and message specifications to facilitate effective and efficient use of INTTRA's business transaction sets.

II. Business Context

Carriers with an electronic connection to INTTRA implement the booking life cycle using the pair of messages, IFTMBF Customer booking request and the IFTMBC Carrier booking response. This Implementation Guide describes the IFTMBF transaction set supported by INTTRA.

Carriers may use the IFTMBF transaction set to receive New booking Requests, Amendments to existing bookings, and Booking Cancellations from INTTRA Customers. The IFTMBF message supports only INTTRA bookings, *viz*. bookings made by the customer using one of INTTRA's product channels.

III. Booking Transaction Management

A. Booking State Transitions

As a result of customer and carrier activity, bookings change state during the course of the booking cycle.

The following state matrices shows all possible transitions that can be attempted between states and categorizes them as valid, invalid, or ignored by INTTRA.

Valid state transitions are those transitions that are actively supported at INTTRA, and will lead to a new revision of the Booking, so long as the transaction passes all other strict validations on data.

Invalid state transitions will cause transactions to fail at INTTRA. Also, INTTRA will generate failure notifications for attempted 'Not Allowed' state transitions. Customers may subscribe to receive notifications of these and any other failures occurring during inbound message processing.

Transactions that attempt state transitions that are ignored by INTTRA will not be stored; however attempting ignored transitions will not cause transactions to fail (no error message will be generated). These ignored transactions would have no relevant impact to the state of a booking in the INTTRA portal.

The state matrix below applies to INTTRA Bookings that are made by Shippers/Forwarder or Carriers using the INTTRA Portal. Actions by Shippers/Forwarders result in a state of Requested, Amended or Cancelled. Actions by Carriers result in a state of Pending, Confirmed, Declined, or Replaced. When a new state is "proposed" (across the top) to an existing state (down the left column), the affect of such proposed state change is reflected in the cells (Allowed, Not Allowed or Ignored).

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Booking State Matrix:

B. Booking State Matrix

EXISTING STATE	PROPOSED STATE: Shipper/Forwarder – Request	Amend	Cancel	Carrier – Pending	Confirm	Decline	Replace
None	✓	✘	✘	Ignored	✓	Ignored	Ignored
Requested	✘	✘	✓	✓	✓	✓	✓
Amended	✘	✘	✓	✓	✓	✓	✓
Cancelled	✘	✘	Ignored	✘	✘	Ignored	✘
Pending	✘	✓	✓	✓	✓	✓	✓
Confirmed	✘	✓	✓	✘	✓	✓	✓
Declined	✘	✘	Ignored	✘	✘	Ignored	✘
Replaced	✘	✘	✘	✘	✘	✘	✘

Legends used in the table above:
State Transition:
Allowed State Transition: ✓
Not Allowed State Transition[1]: ✘
Ignored State Transition: Ignored

Existing States:
Booking states initiated by Shipper/Forwarder: Requested, Amended, & Cancelled.
Booking states initiated by Carrier: Pending, Confirmed, Declined, & Replaced[2].

C. Key Identifiers for Customer Booking Requests Outbound to the Carrier

This section describes the key identifiers provided by INTTRA on INTTRA booking transactions sent in IFTMBF messages outbound to the Carrier.

Customer Booking Requests are identified uniquely by the INTTRA Reference Number within the INTTRA Portal. This number is generated by INTTRA when a new Booking request is received, and will be used as the primary identifier for every subsequent transaction version created for the booking. Once assigned, the INTTRA Reference number will not be changed.

Carrier responses to un-split INTTRA bookings are matched to target bookings in the INTTRA Portal using the INTTRA Reference number. No other references on the booking will be used to find target INTTRA Bookings. Splits of INTTRA Bookings may be identified by either their Booking Number or INTTRA Reference. For transactions that split bookings, the INTTRA Reference number identifies the target (parent) booking that is being Split; otherwise it identifies the target INTTRA Booking to be updated by the transaction. See Appendix 6 in the Carrier IFTMBC Implementation Guide package for a detailed discussion of carrier initiated Splits.

The Booker party will always be provided on all Customer Booking request transactions. The Booker party on subsequent Customer transactions will match the Booker on the original Booking request.

[1] INTTRA generates failure notifications for not allowed state transitions.
[2] Replace/Replaced states are associated with Booking Split processing.

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The Carrier Party will always be provided on all Customer Booking request transactions. The Carrier Party on subsequent Customer transactions will match the original carrier on the booking, except in the event of carrier brand change within group, in which case it will match the new carrier of record provided in the first Carrier response to the customer booking request. Customer transactions inbound to INTTRA may contain either the original carrier or the new carrier of record, however INTTRA will convert the original carrier to the new carrier before storing the booking, or sending it outbound to the new carrier of record.

Under the Shipper Managed Booking Number (SMBN) and Rapid Reservation (RR) programs, Bookings may have Carrier Booking Numbers prior to carrier confirmation, a function normally limited to carriers during the confirmation process.

SMBN, RR numbers will be provided only on Customer New Booking requests. Customers cannot change Booking Numbers on Amendments or Cancellations. If a Booking Number is provided on a carrier response to an INTTRA Booking, it will become the new active Booking Number for the Booking.
On IFTMBF transactions outbound to the Carrier, if a Booking Number is provided on a New Booking request, it will be either an SMBN or RR number. Subsequent Customer bookings transactions will provide the active Carrier Booking Number for the Booking, if any.

SMBN is authorized for specific carrier/shipper combinations. RR is authorized by carrier. Under SMBN, eligible shippers are issued a list of pre-authorized Carrier Booking Numbers that the shipper uses and maintains external to INTTRA. Under RR, INTTRA assigns Carrier Booking Numbers from a sequence authorized by a participating carrier (and optionally for specific regions and/or customer groups) and managed within INTTRA. If an SMBN has been provided by the Customer, INTTRA's RR feature will not be invoked, even if applicable.

Bookers cannot reuse SMBN numbers and RR numbers, even if they are present on terminated (declined or cancelled) or replaced transactions. Only the Carrier has the option to reuse Booking Numbers. When assigned to new bookings, SMBN numbers and RR numbers have to be unique across all bookings, active, inactive or replaced, for a particular carrier. Carrier assigned Booking Numbers will be unique across all active and replaced bookings for that carrier.

IV. General Conventions

A. Message Content

The INTTRA IFTMBF message set is designed so that Customers can provide exactly the information required for a particular business transaction. This allows implementation of various use cases, each with differing data requirements, without the constraints of generic validations. Specifically, INTTRA imposes few mandatory requirements. However, any data provided by the Customer to INTTRA and subsequently stored and sent by INTTRA to the Carrier, will be complete and valid according to the rules contained in this specification.

INTTRA has put in place specific recommendations for Customer booking transactions. ***For maximum efficiency, Customer booking transactions should conform to the INTTRA recommendations for usage as described in the body of this Implementation Guide***. By tracking conformance with recommendations, INTTRA supports Customer data quality improvement initiatives and can report on transactional data quality measured according to the recommendations in this guide.

Note, however, that INTTRA does not enforce ***recommended*** usage. Any data that conforms with stated ***requirements*** and specific validations contained in this Implementation Guide will be accepted from the Customer. However, by putting in place explicit recommendations for use, INTTRA offers customers and carriers a specific guideline for streamlining their connections.

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B. Data Management

For IFTMBF transactions, INTTRA will only relay data provided by the customer, with the few exceptions noted below. INTTRA will not merge data from prior booking versions, while storing or sending outbound data to the Carrier.

Booking number and INTTRA Reference number will be provided from INTTRA's database, if they are not supplied by the Customer on an inbound booking transaction. Carrier aliases will be provided for coded locations and INTTRA registered parties, if present, as described in Section 6 (Standard Code Lists, Master Data Catalogues) of this document. For some standard codes, under Carrier preference control, literals may be supplied from INTTRA's database, if not provided by the Customer, as described in Section 6 of this document.

INTTRA will maintain a history of all the transactions in a booking's life cycle. Customer may provide a summary of changes which will be stored and sent to the Carrier. In addition, INTTRA detects and reports differences between subsequent versions based on sections of data present on the transactions being compared. INTTRA will not attempt to interpret the absence of sections of data as data deletion. Instead, INTTRA will report absent sections of data as 'not provided'. Since Difference Reporting (Diff) focuses on data that is provided, it follows that it is most efficient when transactions are used to only convey data that is pertinent to the business case.

C. Data Access

Data access applies both to on-line access (Booking User Interface, result sets for Booking and Container Status Events Search, Reports) and access through subscribed notifications (Bookings and Container Status Events).

For INTTRA Bookings, only INTTRA registered parties provided by the Customer are eligible to access a booking through the INTTRA portal and receive related subscription notifications from INTTRA. Carriers may add parties to booking transactions or update parties already associated with INTTRA booking transactions but these activities will not affect access to the transaction with the following exceptions.

Subject to Customer authorization, a Carrier-supplied INTTRA registered Consignee or Main Notify Party will be considered for access privileges in the absence of a Consignee or Main Notify Party provided by the Customer.

For carrier initiated splits of INTTRA bookings, the split inherits the access parties and Customer provided transactional email notification recipients from the parent booking. Under Customer authorization, Carrier supplied INTTRA registered Consignee or Main Notify party will be considered for access privileges in the absence of a Consignee or Main Notify Party provided by the Customer. Other parties provided by the Carrier will not have access to the Booking.

Because the carrier acts as a proxy for the customer in the case of Standalone bookings, INTTRA registered parties provided by the carrier on a standalone booking will be eligible to access the booking through the INTTRA portal and receive related subscription notifications from INTTRA.

In addition to Portal access and subscribed notifications, INTTRA's transactional notification feature allows recipients to receive transactional booking data by email. The access rules for transactional notifications are as follows:

> Transactional notification email addresses provided by the Customer for a Booking will receive notification of Carrier Confirm, Pending, Replace and Decline transactions and Customer Request, Amendments and Cancellations of the booking.
>
> INTTRA also provides a transactional notification feature that allows carriers to send email notification of a particular IFTMBC transaction to any valid email address included by the carrier in the transaction. The scope of the email is purely transactional – subsequent changes to the Booking will not be automatically sent to these addresses. Carriers must specify the email address on every carrier transaction that they want notified. This feature is not available with Decline and Replace transactions.

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Advisory charge Information provided on a Customer booking request as well as charge information confirmed by the Carrier using the IFTMBC transaction will be available only to the Booker and the Carrier of record on the transaction. No other party will have access to charge information, even if they have access to other data on the booking. Transactional Email notifications will not include information on charges.

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V. General Format Conventions

This section of the Implementation Guide describes INTTRA's support for special character handling and format validations applicable to email addresses provided in the IFTMBF transaction set. INTTRA's supported formats and usage conventions for numeric, date and temperature fields may be found in the detailed specification section of this Implementation Guide.

A. Character Set Support

The character set supported by INTTRA is the UNOC UN/ECE level C, as defined in ISO-8859-1character set (Hex 0x01 to 0xFF). The following subset of control characters may be deleted in the inbound message from the Customer by INTTRA to allow accurate processing by INTTRA and the carriers:

- Hex 0x01 through Hex 0x1F, **excluding Hex 0x0A (line feed) and 0x0D (carriage return)**.
- Hex 0x7F
- Hex 0x80 through Hex 0x9F

Characters outside of the range of Hex 0x01 to 0xFF are not supported by INTTRA and will not be sent. Character entities (Ex. ') will not be used. Inbound Customer transactions containing these values will be failed. General entities (Ex. &) are acceptable by INTTRA.

B. Numeric Conventions

1. General numeric conventions for decimal values
   - Decimal will be represented using the dot ('.') e.g., 10455.12 or 45.8735
   - Group separators will not be sent. e.g., 10,455.125 is invalid

   The applicable precision varies by type of numeric data and is defined for each relevant element.

2. Numeric elements representing counts will be supplied as positive whole numbers without group separators.

3. Temperature elements will conform to the following rules:
   - Temperature will contain 3 valid Numeric Digits, and may also contain a decimal and minus (‘-‘) sign.
   - Decimal Separator will be represented using a Dot (‘.’).
   - Temperature values will not include group separators
   - Maximum Precision for Temperature values is 1.
   - Negative Temperature will include a Minus Sign (‘-‘) in the first position of the element.
   - Positive Temperature will be Unsigned.

C. Email Format Conventions

INTTRA checks email addresses in incoming Customer transactions for format validity, using the following rules:

- Minimum length is 6 characters (Example: a@b.cd)
- Only one @ sign
- At least one dot ('.') after @ with at least one character in between
- Must have at least 2 characters after the last dot
- Allowed characters:
  - ASCII characters
  - Digits
  - _, -, @, .
- Disallowed characters:
  - All others not mentioned including , ; “ ‘ / \, etc.

Email addresses provided by INTTRA to the Carrier in the outbound IFTMBF transaction will comply with the above rules.

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D. Date Format Conventions

1. INTTRA's implementation includes date fields with the following formats:
   - Date alone, in the format CCYYMMDD
   - Date accompanied by time, in the format CCYYMMDDHHMM

2. When present, the time component is assumed to be in 24 hour format.

3. Unless explicitly stated in the IG to be considered as GMT/UTC, date/time values are considered to be local at the point of activity.

4. Unless explicitly stated otherwise, INTTRA requires all dates to be within 400 calendar days of the GMT date/time at which the transaction is validated.

VI. Standards Code Lists, Master Data Catalogues

The following code lists are used by INTTRA to validate Customer booking request transactions. Outbound IFTMBF transactions to the Carrier will contain data that is validated against these lists.

A. ISO Country Codes

Country codes provided by INTTRA in the IFTMBF transaction will be valid 2-character ISO Country codes (ISO 3166 2A).

B. ISO Currency Codes

Currency Codes provided by INTTRA in the IFTMBF transaction will be valid 3-character ISO Currency codes (ISO 4217 3A).

C. Package Types

Package codes provided by INTTRA in the IFTMBF transaction will be valid according to the UN/ECE standard (UN ECE Recommendation 21, Release 4). A package description provided by the Customer will be sent to the Carrier. If a package code is supplied without any package description literals, INTTRA may send literals from its master tables, under preference control by the Carrier.

A complete list of supported package types is issued as a supplement to this Implementation Guide.

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D. ISO Container Codes

INTTRA supports a specific list of ISO Container codes. Incoming container types will be validated strictly against this list of ISO Container codes. INTTRA stores Container codes as received on the inbound transaction.

In the Booking Link 1.0 portal environment the individual ISO Container codes were associated to a grouping called the "INTTRA Equivalent To code". In the Booking Link 2.0 portal environment, the 'New' ISO Standard Size type Group Codes (ISO 6346 01/1996) will be used instead of Equivalent To codes. Container ISO codes may be converted to ISO Group codes when Booking 2.0 transactions are displayed on INTTRA Act or INTTRA Desktop and prior to their transmission under Customer or Carrier preference control.

In addition, the ISO Container code lists are used by INTTRA to identify equipment types for which controlled settings may be provided. These fall into two sub categories, *viz.* reefer equipment, and what INTTRA refers to as "hybrid equipment". INTTRA's definition of hybrid equipment is a container that is not a defined "reefer" container, but may include temperature control. Reefer containers are by definition controlled equipment, and must be accompanied with controlled settings, or indicated as non-operative. Hybrid containers may be used as standard or controlled equipment, and hence may be provided with or without controlled settings. A common example of hybrid equipment is a Tank container, which may or may not have control settings.

A complete list of ISO Group codes and ISO Container type codes supported in Booking 2.0 along with the sub-categorization of hybrid and reefer equipment is issued as a supplement to this Implementation Guide.

E. Coded Locations

INTTRA recommends that Customers use UN Location codes for all locations provided. This eliminates ambiguity and facilitates effective change detection and reporting. Customers are also advised to provide a clear, consistent, text description for all locations. In the event that it is not possible or practical to provide codes for certain locations INTTRA recommends that Customers provide a clear location name in lieu of a code, as well as country code and/or country name, and subdivision code/name if applicable. This will help partners identify the location without ambiguity.

Any coded location provided by INTTRA in the IFTMBF transaction outbound to the Carrier will be valid according to INTTRA's master location data. INTTRA will not make any attempt to resolve free text literals provided by the Customer to coded geographies, or to reconcile coded information with information supplied in the literals.

In outbound transactions, recipient alias will be supplied for coded geographies for which the recipient has established aliases. When there is no recipient alias, the UNLOC code will be sent for coded geographies.

Any location literals provided by the customer will be sent to the carrier. If a coded geography is supplied without any location literals, INTTRA may send literals from its master tables in the outbound message, under preference control by the carrier.

F. Coded Parties

When parties are provided on Customer booking transactions, INTTRA recommends that they be coded by one of the 4 supported schemes.

1. INTTRA company ID; must be a valid INTTRA-assigned company ID and indicates a company registered with INTTRA.
2. Customer Alias; must resolve to a valid INTTRA-assigned company ID and indicates a company registered with INTTRA.
3. DUNS number; not validated or resolved by INTTRA.
4. Pass-through Code; not validated or resolved by INTTRA.

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Messages with invalid values for codes subject to strict validation will be failed. INTTRA will not make any attempt to resolve free text literals provided by the Customer to coded parties, or to reconcile coded information with information supplied in the literals.

In outbound transactions, recipient alias will be supplied for registered parties for which the recipient has established aliases. When there is no recipient alias, the INTTRA ID will be supplied for registered parties. DUNS number and Pass-Through Code will be sent exactly as received from the Customer.

When un-coded parties are provided, INTTRA recommends that the customers provide ISO Country code, and postal code in structured fields, in addition to the full name and address, as this will further reduce ambiguity in party identification.

Any party literals provided by the Customer will be sent to the Carrier. If an INTTRA registered coded party is supplied without any party literals, INTTRA may send literals from its master tables, under preference control by the Carrier.

G. Additional recommended code lists

Additionally, INTTRA recommends the use of the following standard code lists when applicable. Values in the Customer booking transaction will not be validated against these code lists; however INTTRA recommends that Customers provide valid data from the standard lists.

- Transport Operator codes (SCAC codes, Truck Operator codes)
- Lloyd's vessel codes
- DUNS Numbers
- Schedule B Numbers
- WCO 6 digit Harmonized Tariff Schedule numbers (WCO HSC 6 Digit Harmonized Commodity Description)
- UNDG Numbers for Hazardous goods
- IMO Codes for Hazardous goods
- IBC Package Codes

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VII. Message Usage Summary

A. Customer New Booking Requests

The IFTMBF message is designed to accommodate as much information as needed for a particular business case. INTTRA recommends its customers to conform to INTTRA's booking request data requirements and recommendations that will increase Carrier efficiency in processing INTTRA booking requests and providing a prompt response to the booking. The IFTMBF message also caters for a 'cumulative' request. In this case, the customer can provide an initial new booking request with minimal required information and additional operational detail as it becomes available. This may be appropriate for advanced bookings, or recurring bookings made in advance, for which more details become available later in the booking cycle.

The detailed use cases in Appendix 1 at the end of the message specification describe how Customers can use the various segments of the IFTMBF to represent specific business data, with illustrative examples.

B. Customer Amendments

The IFTMBF message allows customers to amend bookings only if they have been previously responded to by the carrier. Customers may hence amend information on a confirmed booking, or a booking in Pending state. INTTRA requires customers to provide the same minimum set of data for amendments as the minimum data set required for successful processing of new booking requests.

Customers may also amend bookings split by the Carrier. Please see Appendix 6 (Booking Split Conventions) of the Customer Inbound Implementation Guide for a detailed discussion of Amendment processing related to split conditions.

C. Customer Booking Cancellation

Customers may cancel bookings at any stage in the Booking life cycle, before or after the carrier has responded to the latest customer transaction requesting a new booking, or changes to an amended booking.

Customers may also cancel bookings split by the Carrier. Please see Appendix 6 (Booking Split Conventions) of this Implementation Guide for a detailed discussion of Cancellation processing related to split conditions.

In the interests of streamlining the processing of terminating transactions INTTRA only processes transaction identifiers, transaction contact, transaction assembled date time and customer comments on a Customer Cancellation. Transaction identifiers include Customer Shipment Id, Booker Party, INTTRA reference, Carrier Party, & Booking number. All other data provided in the Cancellation transaction is ignored by INTTRA. In the same vein, INTTRA ignores carrier or customer terminations to already terminated Bookings.

Note that customers cannot add or change transaction email notification recipients in a terminating transaction. However, any transaction email notification recipients provided previously by the Customer will be notified on Customer Cancellation.

D. Standalone bookings

INTTRA defines a "standalone booking" as a booking in the INTTRA portal where the Booking Request was not initiated via the INTTRA portal through any one of the INTTRA customer channels (INTTRA Link, INTTRA Act or INTTRA Desktop). This means that the customer initiated the booking request with the carrier through a direct (or non-INTTRA channel) and the confirmation was then sent to INTTRA by the carrier. These bookings are also referred to as "non-INTTRA bookings".

Customers will not be able to use the INTTRA portal to amend or cancel the standalone booking. Carriers will not receive booking amendments or cancellations for standalone bookings from INTTRA.

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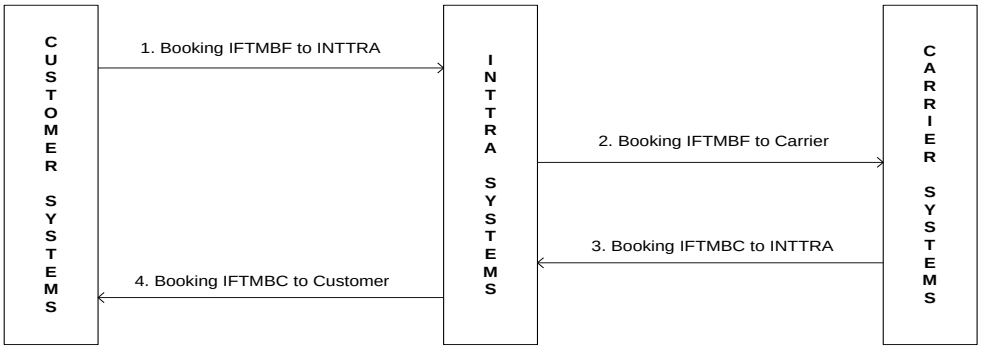
VIII. Message Flow



1. Customer sends to INTTRA an IFTMBF Booking (Request, Amendment, Cancellation) Transaction per INTTRA Message Specification via communication methods detailed in INTTRA Connectivity Guide.
2. INTTRA's proprietary Portal Application, INTTRAWorks, performs message and content validation then issues the Booking (Request, Amendment, Cancellation) to the destination carrier via INTTRA IFTMBF.
3. Carrier system issues IFTMBC Booking (Confirmation, Decline, Replace, Split) Transaction to INTTRA.
4. INTTRA system issues IFTMBC Booking (Confirmation, Decline, Replace, Split) Transaction to the customer.

It should be noted that all errors are handled by INTTRA's global EDI support and monitoring team, who utilize a comprehensive systems and message handling monitoring system.

IX. IFTMBF Message Revision History

A. CHANGES from version 1.0 (February 28, 2011) to version 1.1 (August 16, 2017)

Group 19-DIM-EQN Increased the group count from 1 to 99
0890 DIM: Revised notes for Dimensions of transportable units for LCL shipments.
0890 DIM-C211,6411 added codes “INH” inches and “CMT” Centimeters.
0900 EQN: Activated this segment.

B. CHANGES from IFTMBF D99B to version 1.0 (February 28, 2011)

0060 TSR C233:7273 - Enabled to indicate FCL or LCL shipments
0730 TMP and 0800 PCD - Enabled to support cargo temperature and humidity reefer settings for LCL shipments
0790 FTX – Updated Comment Notes and expanded description for composite element C107.
0790 FTX, 4451 - Added text subject code qualifier; accepted value “AEB”
0790 FTX, C107:4441- Added free text value code; accepted value “ECA”, “GEN”, “HUM”, “VTC and “VTO”
0790 FTX, C107:1131 – Added code list identification code; accepted value “130”
0860 MEA – Updated Comment Notes
0860 MEA, C502:6313 – Added measurement attribute code; accepted value: “AAS”, “ZC”, “ZN” and “ZO”
0860 MEA, C502:6411 – Updated Supplied values for AirFlow and Atmosphere measurements

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X. IFTMBF Message Specification

A. Message Hierarchy

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Group Repeat	Notes and Comments
20	0005	UNB	Interchange Header	M	1		
22	0010	UNH	Message Header	M	1		
24	0020	BGM	Beginning of Message	M	1		
26	0030	CTA	Contact Information	M	1		
27	0040	COM	Communication Contact	M	9		
28	0050	DTM	Date/Time/Period	M	1		
29	0060	TSR	Transport Service Requirements	C	1		
Not Used	0070	MOA	Monetary Amount	C	9		
31	0080	FTX	Free Text	C	8		
Not Used	0090	CNT	Control Total	C	9		
16	0100	GDS	Nature of Cargo	C	4		
	0110		Segment Group 1: LOC-DTM	C		9	
36	0120	LOC	Place/Location Identification	M	1		
39	0130	DTM	Date/Time/Period	C	1		
Not Used	0140		Segment Group 2: TOD-LOC	C		2	
Not Used	0150	TOD	Terms of Delivery or Transport	M	1		
Not Used	0160	LOC	Place/Location Identification	C	9		
	0170		Segment Group 3: RFF-DTM	C		99	
42	0180	RFF	Reference	M	1		
44	0190	DTM	Date/Time/Period	C	2		
Not Used	0200		Segment Group 4: GOR-FTX-SG5	C		9	
Not Used	0210	GOR	Governmental Requirements	M	1		
Not Used	0220	FTX	Free Text	C	9		
Not Used	0230		Segment Group 5: DOC-DTM	C		9	
Not Used	0240	DOC	Document/Message Details	M	1		
Not Used	0250	DTM	Date/Time/Period	C	1		
Not Used	0260		Segment Group 6: TCC-LOC-FTX-CUX-PRI-EQN-PCD-MOA-QTY	C		99	
Not Used	0270	TCC	Transport Charge/Rate Calculations	M	1		
Not Used	0280	LOC	Place/Location Identification	C	1		
Not Used	0290	FTX	Free Text	C	1		
Not Used	0300	CUX	Currencies	C	1		
Not Used	0310	PRI	Price Details	C	1		
Not Used	0320	EQN	Number of Units	C	1		

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Not Used	0330	PCD	Percentage Details	C	1	
Not Used	0340	MOA	Monetary Amount	C	9	
Not Used	0350	QTY	Quantity	C	9	
	0360		Segment Group 7: TDT-DTM-TSR-SG8-SG9	C		99
46	0370	TDT	Details of Transport	M	1	
Not Used	0380	DTM	Date/Time/Period	C	9	
Not Used	0390	TSR	Transport Service Requirements	C	9	
	0400		Segment Group 8: LOC-DTM	C		2
51	0410	LOC	Place/Location Identification	M	1	
54	0420	DTM	Date/Time/Period	C	1	
Not Used	0430		Segment Group 9: RFF-DTM	C		9
Not Used	0440	RFF	Reference	M	1	
Not Used	0450	DTM	Date/Time/Period	C	1	
	0460		Segment Group 10: NAD-LOC-SG11-SG12-SG13-SG14-SG15	M		10
57	0470	NAD	Name and Address	M	1	
Not Used	0480	LOC	Place/Location Identification	C	9	
	0490		Segment Group 11: CTA-COM	C		9
62	0500	CTA	Contact Information	M	1	
63	0510	COM	Communication Contact	M	9	
Not Used	0520		Segment Group 12: DOC-DTM	C		9
Not Used	0530	DOC	Document/Message Details	M	1	
Not Used	0540	DTM	Date/Time/Period	C	1	
Not Used	0550		Segment Group 13: RFF-DTM	C		9
Not Used	0560	RFF	Reference	M	1	
Not Used	0570	DTM	Date/Time/Period	C	9	
	0580		Segment Group 14: CPI-RFF-CUX-LOC-MOA	C		6
65	0590	CPI	Charge Payment Instructions	M	1	
Not Used	0600	RFF	Reference	C	99	
Not Used	0610	CUX	Currencies	C	1	
67	0620	LOC	Place/Location Identification	C	1	
Not Used	0630	MOA	Monetary Amount	C	1	
Not Used	0640		Segment Group 15: TSR-RFF-LOC-TPL-FTX	C		99
Not Used	0650	TSR	Transport Service Requirements	M	1	
Not Used	0660	RFF	Reference	C	1	
Not Used	0670	LOC	Place/Location Identification	C	1	
Not Used	0680	TPL	Transport Placement	C	1	
Not Used	0690	FTX	Free Text	C	9	
	0700		Segment Group 16: GID-HAN-TMP-RNG-TMD-LOC-MOA-PIA-FTX-PCD-SG17-GDS-SG18-SG19-SG20-SG21-SG22-SG23-SG25-SG27	C		999
70	0710	GID	Goods Item Details	M	1	
Not Used	0720	HAN	Handling Instructions	C	1	
76	0730	TMP	Temperature	C	1	
Not Used	0740	RNG	Range Details	C	1	

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Not Used	0750	TMD	Transport Movement Details	C	1	
Not Used	0760	LOC	Place/Location Identification	C	9	
Not Used	0770	MOA	Monetary Amount	C	9	
78	0780	PIA	Additional Product Id	C	2	
81	0790	FTX	Free Text	C	8	
84	0800	PCD	Percentage Details	C	1	
Not Used	0810		Segment Group 17: NAD-DTM	C		9
Not Used	0820	NAD	Name and Address	M	1	
Not Used	0830	DTM	Date/Time/Period	C	1	
Not Used	0840	GDS	Nature of Cargo	C	9	
	0850		Segment Group 18: MEA-EQN	C		6
86	0860	MEA	Measurements	M	1	
Not Used	0870	EQN	Number of Units	C	1	
	0880		Segment Group 19: DIM-EQN	O		99
90	0890	DIM	Dimensions	M	1	
92	0900	EQN	Number of Units	O	1	
	0910		Segment Group 20: RFF-DTM	C		9
94	0920	RFF	Reference	M	1	
96	0930	DTM	Date/Time/Period	C	2	
Not Used	0940		Segment Group 21: PCI-RFF-DTM-GIN	C		9
Not Used	0950	PCI	Package Identification	M	1	
Not Used	0960	RFF	Reference	C	1	
Not Used	0970	DTM	Date/Time/Period	C	1	
Not Used	0980	GIN	Goods Identity Number	C	9	
Not Used	0990		Segment Group 22: DOC-DTM	C		9
Not Used	1000	DOC	Document/Message Details	M	1	
Not Used	1010	DTM	Date/Time/Period	C	9	
Not Used	1020		Segment Group 23: TPL-SG24	C		9
Not Used	1030	TPL	Transport Placement	M	1	
Not Used	1040		Segment Group 24: MEA-EQN	C		9
Not Used	1050	MEA	Measurements	M	1	
Not Used	1060	EQN	Number of Units	C	1	
	1070		Segment Group 25: SGP-SG26	C		999
98	1080	SGP	Split Goods Placement	M	1	
	1090		Segment Group 26: MEA-EQN	C		2
100	1100	MEA	Measurements	M	1	
Not Used	1110	EQN	Number of Units	C	1	
	1120		Segment Group 27: DGS-FTX-SG28-SG29-SG30	C		99
103	1130	DGS	Dangerous Goods	M	1	
106	1140	FTX	Free Text	M	12	
	1150		Segment Group 28: CTA-COM	C		3
111	1160	CTA	Contact Information	M	1	
112	1170	COM	Communication Contact	M	1	
	1180		Segment Group 29: MEA-EQN	C		4

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114	1190	MEA	Measurements	M	1	
Not Used	1200	EQN	Number of Units	C	1	
	1210		Segment Group 30: SGP-SG31	C		999
117	1220	SGP	Split Goods Placement	M	1	
	1230		Segment Group 31: MEA-EQN	C		2
119	1240	MEA	Measurements	M	1	
Not Used	1250	EQN	Number of Units	C	1	
	1260		Segment Group 32: EQD-EQN-TMD-MEA-DIM-TPL-HAN-TMP-FTX-RFF-SG33-SG35	C		999
122	1270	EQD	Equipment Details	M	1	
125	1280	EQN	Number of Units	M	1	
126	1290	TMD	Transport Movement Details	M	1	
127	1300	MEA	Measurements	C	7	
130	1310	DIM	Dimensions	C	1	
Not Used	1320	TPL	Transport Placement	C	9	
132	1330	HAN	Handling Instructions	C	1	
133	1340	TMP	Temperature	C	1	
135	1350	FTX	Free Text	C	20	
140	1360	RFF	Reference	C	9	
	1370		Segment Group 33: NAD-DTM-SG34	C		9
142	1380	NAD	Name and Address	M	1	
146	1390	DTM	Date/Time/Period	C	2	
	1400		Segment Group 34: CTA-COM	C		9
149	1410	CTA	Contact Information	M	1	
150	1420	COM	Communication Contact	M	9	
Not Used	1430		Segment Group 35: DGS-FTX-SG36	C		99
Not Used	1440	DGS	Dangerous Goods	M	1	
Not Used	1450	FTX	Free Text	C	9	
Not Used	1460		Segment Group 36: CTA-COM	C		9
Not Used	1470	CTA	Contact Information	M	1	
Not Used	1480	COM	Communication Contact	C	9	
151	1490	UNT	Message Trailer	M	1	
152	1500	UNZ	Interchange Trailer	M	1	

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Segment: **UNB** **Interchange Header**
Position: 0005
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: To start, identify and specify an interchange
Business Rules: Variable Name: UNB
Notes: UNB+UNOC:3+INTTRANG2:ZZZ+CARRIEREDIID:ZZZ+170830:1630+100

Data Element Summary

Data Element	Component Element	Name	Attributes		
S001		**SYNTAX IDENTIFIER**	**M**	**1**	
		Identification of the agency controlling the syntax and indication of syntax level.			
	0001	**Syntax identifier**	**M**		**a4**
		Coded identification of the agency controlling a syntax and syntax level used in an interchange.			
		Supplied Values:			
		UNOC UN/ECE level C As defined in ISO 8859-1 : Information processing - Part 1: Latin alphabet No. 1. Latin Alphabet 1 includes the 'at' sign '@' (character 64) as used in email addresses.			
	0002	**Syntax version number**	**M**		**n1**
		Version number of the syntax identified in the syntax identifier (0001).			
S002		**INTERCHANGE SENDER**	**M**	**1**	
		Identification of the sender of the interchange.			
	0004	**Sender identification**	**M**		**an..35**
		Name or coded representation of the sender of a data interchange.			
		INTTRANG2			
	0007	**Partner identification code qualifier**	**M**		**an..4**
		Qualifier referring to the source of codes for the identifiers of interchanging partners.			
		Supplied Values:			
		ZZZ Mutually defined			
Not Used	**0008**	**Address for reverse routing**	**C**		**an..14**
S003		**INTERCHANGE RECIPIENT**	**M**	**1**	
		Identification of the recipient of the interchange.			
	0010	**Recipient identification**	**M**		**an..35**
		Name or coded representation of the recipient of a data interchange.			
		Carrier EDI ID Will never contain spaces and/or dots alone or any of the following characters - ~ * : ' +			
	0007	**Partner identification code qualifier**	**M**		**an..4**
		Qualifier referring to the source of codes for the identifiers of interchanging partners.			
		Supplied Values:			
		ZZZ Mutually defined			

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Not Used		**0014**	**Routing address**	**C**		**an..14**
	S004		**DATE AND TIME OF PREPARATION**	**M**	**1**	
			Date and time of preparation of the interchange.			
		0017	**Date of preparation**	**M**		**n6**
			Local date when an interchange or a functional group was prepared.			
			Format YYMMDD.			
		0019	**Time of preparation**	**M**		**n4**
			Local time of day when an interchange or a functional group was prepared.			
			UTC (GMT) Time The twenty-four hour clock system will be used to express time. Time will be expressed and transmitted by means of four figures, the first two denoting the hour past midnight and the last two the minutes past the hour. Examples : 12:45 a.m. is expressed as 0045 12:00 noon is expressed as 1200 11:45 p.m. is expressed as 2345 12:00 midnight is expressed as 0000 1:30 a.m. is expressed as 0130 1:45 p.m. is expressed as 1345 4:30 p.m. is expressed as 1630			
	0020		**INTERCHANGE CONTROL REFERENCE**	**M**	**1**	**an..14**
			Unique reference assigned by the sender to an interchange.			
Not Used	**S005**		**RECIPIENTS REFERENCE PASSWORD**	**C**	**1**	
			Reference or password as agreed between the communicating partners.			
Not Used		**0022**	**Recipient reference/password**	**M**		**an..14**
			Unique reference assigned by the recipient to the data interchange or a password to the recipient's system or to a third party network as specified in the partners interchange agreement.			
Not Used		**0025**	**Recipient reference/password qualifier**	**C**		**an2**
			Refer to D.99B Data Element Dictionary for acceptable code values.			
Not Used	**0026**		**APPLICATION REFERENCE**	**C**	**1**	**an..14**
Not Used	**0029**		**PROCESSING PRIORITY CODE**	**C**	**1**	**a1**
			Refer to D.99B Data Element Dictionary for acceptable code values.			
Not Used	**0031**		**ACKNOWLEDGEMENT REQUEST**	**C**	**1**	**n1**
			Refer to D.99B Data Element Dictionary for acceptable code values.			
Not Used	**0032**		**COMMUNICATIONS AGREEMENT ID**	**C**	**1**	**an..35**
Not Used	**0035**		**TEST INDICATOR**	**C**	**1**	**n1**
			Refer to D.99B Data Element Dictionary for acceptable code values.			

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Segment: **UNH** **Message Header**
Position: 0010
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: A service segment starting and uniquely identifying a message. The message type code for the Firm booking message is IFTMBF.
Note: Firm booking messages conforming to this document must contain the following data in segment UNH, composite S009:
Data element 0065 IFTMBF 0052 D 0054 99B 0051 UN
Business Rules: Variable Name: UNH1
Notes: UNH+20+IFTMBF:D:99B:UN:2.0

Data Element Summary

Data Element	Component Element	Name	Attributes		
0062		**MESSAGE REFERENCE NUMBER**	**M**	**1**	**an..14**
		Unique message reference assigned by the sender.			
S009		**MESSAGE IDENTIFIER**	**M**	**1**	
		Identification of the type, version etc. of the message being interchanged.			
	0065	**Message type identifier**	**M**		**an..6**
		Code identifying a type of message and assigned by its controlling agency.			
		Supplied Values:			
		IFTMBF Firm booking message A code to identify the firm booking message.			
	0052	**Message type version number**	**M**		**an..3**
		Version number of a message type.			
		Supplied Values:			
		D Draft version/UN/EDIFACT Directory Message approved and issued as a draft message (Valid for directories published after March 1993 and prior to March 1997). Message approved as a standard message (Valid for directories published after March 1997).			
	0054	**Message type release number**	**M**		**an..3**
		Release number within the current message type version number (0052).			
		Supplied Values: 99B Release 1999 - B			
	0051	**Controlling agency**	**M**		**an..2**
		Code identifying the agency controlling the specification, maintenance and publication of the message type.			
		Supplied Values:			
		UN UN/CEFACT United Nations Centre for the Facilitation of procedures and practices for Administration, Commerce and Transport (UN/CEFACT).			
	0057	**Association assigned code**	**C**		**an..6**
		Code, assigned by the association responsible for the design and maintenance of the message type concerned, which further identifies the message.			
		Used to indicate the applicable INTTRA IG version.			

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		Supplied Values: 2.0			
0068		**COMMON ACCESS REFERENCE** Reference serving as a key to relate all subsequent transfers of data to the same business case or file.	**C**	**1**	**an..35**
S010		**STATUS OF THE TRANSFER** Statement that the message is one in a sequence of transfers relating to the same topic.	**C**	**1**	
	0070	**Sequence message transfer number** Number assigned by the sender indicating that the message is an addition or change of a previously sent message relating to the same topic.	**M**		**n..2**
	0073	**First/last sequence message transfer indication** Indication used for the first and last message in a sequence of the same type of message relating to the same topic. Refer to D.99B Data Element Dictionary for acceptable code values. Refer to D.99B Data Element Dictionary for acceptable code values. Refer to D.99B Data Element Dictionary for acceptable code values.	**C**		**a1**

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Segment: **BGM** **Beginning of Message**
Position: 0020
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: A segment to indicate the beginning of a message and to transmit identifying number and type of the message.
Notes: BGM+335:::INTTRA-Link+9384756777:3.6+9
or
BGM+335:::INTTRA-Link+7685967039:3.6+9+AC

Data Element Summary

Data Element	Component Element	Name	Attributes		
C002		**DOCUMENT/MESSAGE NAME**	**M**	**1**	
		Identification of a type of document/message by code or name. Code preferred.			
	1001	**Document name code**	**M**		**an..3**
		Code specifying the document name.			
		Supplied Values:			
		335 Booking request Document/message issued by a supplier to a carrier requesting space to be reserved for a specified consignment, indicating desirable conveyance, dispatch time, etc.			
Not Used	**1131**	**Code list identification code**	**C**		**an..3**
		Refer to D.99B Data Element Dictionary for acceptable code values.			
Not Used	**3055**	**Code list responsible agency code**	**C**		**an..3**
		Refer to D.99B Data Element Dictionary for acceptable code values.			
	1000	**Document name**	**M**		**an..35**
		Free form description of the document.			
		Used to indicate the INTTRA product channel source of the Booking. Supplied Values: INTTRA-Link INTTRA-Act INTTRA-Desktop			
C106		**DOCUMENT/MESSAGE IDENTIFICATION**	**M**	**1**	
		Identification of a document/message by its number and eventually its version or revision.			
	1004	**Document/message number**	**M**		**an..35**
		Reference number assigned to the document/message by the issuer.			
		This element will contain INTTRA's unique reference (INTTRA Ref.).			
	1056	**Version**	**M**		**an..9**
		To specify the version number or name of an object.			
		Used to indicate the INTTRA product channel (C002,1000) software version originating the message. Example "4.0" or "1.3.2"			
Not Used	**1060**	**Revision number**	**C**		**an..6**
1225		**MESSAGE FUNCTION CODE**	**M**	**1**	**an..3**

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Code indicating the function of the message.

Supplied Values:

1	Cancellation Message cancelling a previous transmission for a given transaction.
4	Change Message containing items to be changed. Applicable only for bookings that were previously in confirmed or pending status in INTTRA's system.
9	Original Initial transmission related to a given transaction.

4343 **RESPONSE TYPE CODE** **C** **1** **an..3**

Code specifying the type of acknowledgment required or transmitted.

AC	Acknowledge - with detail and change Acknowledge complete including changes. Customer requests per container release. Only applicable with Message Function code 9 (Original).

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Segment: **CTA** **Contact Information**
Position: 0030
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify a person or department to whom communication should be directed.
Notes: CTA+IC+:CONTACT NAME

This is the primary contact for this booking transaction.

Spaces and/or dots alone will not be sent for Contact Name (C056, 3412).

Data Element Summary

Data Element	Component Element	Name		Attributes		
3139		**CONTACT FUNCTION CODE**	**M**	**1**	**an..3**
		Code specifying the function of a contact (e.g. department or person).			
		Supplied Values:			
		IC Information contact			
		Department/person to contact for questions regarding transactions.			
C056		**DEPARTMENT OR EMPLOYEE DETAILS**	**M**	**1**	
		Code and/or name of a department or employee. Code preferred.			
Not Used	**3413**	**Department or employee identification**	**C**		**an..17**
	3412	**Department or employee**	**M**		**an..35**
		The department or person within an organizational entity.			

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Segment: **COM** **Communication Contact**
Position: 0040
Group:
Level: 1
Usage: Mandatory
Max Use: 9
Purpose: A segment to identify a communication number of a person or department to whom communication should be directed.
Notes: COM+CONTACT NUM:TE

Minimum of one communication number will always be sent.

Data Element Summary

Data Element	Component Element	Name	Attributes	
C076		**COMMUNICATION CONTACT**	**M**	**1**
		Communication number of a department or employee in a specified channel.		
	3148	**Communication number**	**M**	**an..512**
		The communication number.		
	3155	**Communication number code qualifier**	**M**	**an..3**
		Code qualifying the communication number.		
		Supplied Values:		
		EM Electronic mail		
		Exchange of mail by electronic means.		
		Email address is subject to validation as outlined in the preamble of this document.		
		FX Telefax		
		Device used for transmitting and reproducing fixed graphic material (as printing) by means of signals over telephone lines or other electronic transmission media.		
		Will not be populated with spaces and/or dots alone.		
		TE Telephone		
		Voice/data transmission by telephone.		
		Will not be populated with spaces and/or dots alone.		

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Segment: **DTM** **Date/Time/Period**
Position: 0050
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: A segment to indicate a date and time applying to the whole message, e.g., date and time of document issue.
Notes: DTM+137:201708311730:203

Time is UTC/GMT.

This is the date and time the transaction is pulled from INTTRA's repository.

Date will be within 400 days of the current date.

Data Element Summary

Data Element	Component Element	Name		Attributes	
C507		**DATE/TIME/PERIOD**		**M**	**1**
		Date and/or time, or period relevant to the specified date/time/period type.			
	2005	**Date/time/period function code qualifier**		**M**	**an..3**
		Code giving specific meaning to a date, time or period.			
		Supplied Values:			
		137	Document/message date/time (2006) Date/time when a document/message is issued. This may include authentication.		
	2380	**Date/time/period value**		**M**	**an..35**
		The value of a date, a date and time, a time or of a period in a specified representation.			
	2379	**Date/time/period format code**		**M**	**an..3**
		Code specifying the representation of a date, time or period.			
		Supplied Values:			
		203	CCYYMMDDHHMM Calendar date including time with minutes: C=Century; Y=Year; M=Month; D=Day; H=Hour; M=Minutes. The twenty-four hour clock system will be used to express time. Time will be expressed and transmitted by means of four figures, the first two denoting the hour past midnight and the last two the minutes past the hour. Examples : 12:45 a.m. is expressed as 0045 12:00 noon is expressed as 1200 11:45 p.m. is expressed as 2345 12:00 midnight is expressed as 0000 1:30 a.m. is expressed as 0130 1:45 p.m. is expressed as 1345 4:30 p.m. is expressed as 1630		

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Segment: **TSR** **Transport Service Requirements**
Position: 0060
Group:
Level: 0
Usage: Conditional (Optional)
Max Use: 1
Purpose: A segment to identify the contract, conditions of carriage, services, and priority requirements for the transport.
Notes: TSR+30
or
TSR+30+3

This segment is MANDATORY for all Booking Request (0020 BGM 1225 = 9) and Amendment (0020 BGM 1225 = 4) transactions.

This segment will not be processed if received in Cancellation (0020 BGM 1225 = 1) transactions from the customer.

Data Element Summary

Data Element	Component Element	Name		Attributes	
C536		**CONTRACT AND CARRIAGE CONDITION**		**M**	**1**
		To identify a contract and carriage condition.			
	4065	**Contract and carriage condition code**		**M**	**an..3**
		Code to identify the conditions of contract and carriage.			
		Supplied Values:			
		27	Door-to-door The carrier is responsible for the intermodal carriage of cargo including both the pre-carriage and the on-carriage.		
		28	Door-to-pier The carrier is responsible for the intermodal carriage of cargo including the pre-carriage, but excluding the on-carriage.		
		29	Pier-to-door The carrier is responsible for the intermodal carriage of cargo including the on-carriage, but excluding the pre-carriage.		
		30	Pier-to-pier The carrier of intermodal cargo is only responsible for the main carriage.		
Not Used	**1131**	**Code list identification code**		**C**	**an..3**
Not Used	**3055**	**Code list responsible agency code**		**C**	**an..3**
		Refer to D.99B Data Element Dictionary for acceptable code values.			
C233		**SERVICE**		**C**	**1**
		To identify a service (which may constitute an additional component to a basic contract).			
	7273	**Service requirement code**		**M**	**an..3**
		Code specifying a service requirement.			
		2	Full loads Container to be stuffed or stripped under responsibility and for account of the shipper or the consignee. FCL		

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			3	Less than full loads Container to be stuffed and stripped for account and risk of the carrier. LCL		
Not Used		**1131**	**Code list identification code** Refer to D.99B Data Element Dictionary for acceptable code values.	**C**		**an..3**
Not Used		**3055**	**Code list responsible agency code** Refer to D.99B Data Element Dictionary for acceptable code values.	**C**		**an..3**
Not Used		**7273**	**Service requirement code**	**C**		**an..3**
Not Used		**1131**	**Code list identification code** Refer to D.99B Data Element Dictionary for acceptable code values.	**C**		**an..3**
Not Used		**3055**	**Code list responsible agency code** Refer to D.99B Data Element Dictionary for acceptable code values.	**C**		**an..3**
Not Used	**C537**		**TRANSPORT PRIORITY** To indicate the priority of requested transport service.	**C**	**1**	
Not Used		**4219**	**Transport priority, coded** Coded priority of requested transport service. Refer to D.99B Data Element Dictionary for acceptable code values. Refer to D.99B Data Element Dictionary for acceptable code values.	**M**		**an..3**
Not Used		**1131**	**Code list identification code** Identification of a code list. Refer to D.99B Data Element Dictionary for acceptable code values. Refer to D.99B Data Element Dictionary for acceptable code values.	**C**		**an..3**
Not Used		**3055**	**Code list responsible agency code** Code specifying the agency responsible for a code list. Refer to D.99B Data Element Dictionary for acceptable code values. Refer to D.99B Data Element Dictionary for acceptable code values.	**C**		**an..3**
Not Used	**C703**		**NATURE OF CARGO** Rough classification of a type of cargo.	**C**	**1**	
Not Used		**7085**	**Nature of cargo, coded** Code indicating the type of cargo as a rough classification. Refer to D.99B Data Element Dictionary for acceptable code values. Refer to D.99B Data Element Dictionary for acceptable code values.	**M**		**an..3**
Not Used		**1131**	**Code list identification code** Identification of a code list. Refer to D.99B Data Element Dictionary for acceptable code values. Refer to D.99B Data Element Dictionary for acceptable code values.	**C**		**an..3**
Not Used		**3055**	**Code list responsible agency code** Code specifying the agency responsible for a code list. Refer to D.99B Data Element Dictionary for acceptable code values. Refer to D.99B Data Element Dictionary for acceptable code values.	**C**		**an..3**

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Segment: **FTX** **Free Text**
Position: 0080
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 8
Purpose: A segment to specify free form or processable supplementary information, such as status of transport, remarks to be printed on the transport documents (where required), consignment remarks, insurance instructions, etc., or any other additional information.
Notes:
FTX+AAI+++Free-Form Text
or
FTX+AES+++Customer Booking Change Reasons
or
FTX+ACB+++INTTRA Generated Booking Change Reasons
or
FTX+CUS++UCN:110:ZZZ+857_2938476
or
FTX+CCI++AMS:110:ZZZ
or
FTX+CCI++NVO:110:ZZZ+SCAC

Only 3 segments will be sent with Text Subject Code Qualifier of AAI.
Only 1 segment will be sent with Text Subject Code Qualifier of ACB.
Only 1 segment will be sent with Text Subject Code Qualifier of AES.
Only 2 segments will be sent with Text Subject Code Qualifier of CUS each containing only 1 of Free Text Value Code CCN or UCN.
Only 2 segments will be sent with Text Subject Code Qualifier of CCI each containing only 1 of Free Text Value Code AMS or NVO.

Text subject CUS may appear at other levels in the transaction. CCN and UCN will only appear at one level of the transaction.

INTTRA RECOMMENDS that customers provide Remarks (4451 = 'AAI') for Cancellation (BGM, 1225 = 1) transactions. 'AAI' is the only qualifier that will be processed for Cancellation transactions.

INTTRA RECOMMENDS customers send Change Reason (AES) when transaction is a booking change (BGM, 1225 = 4).

AES type remarks will only be sent when the transaction type is a change (BGM, 1225 = 4) and they have been provided by the customer.

ACB type remarks will always be sent by INTTRA for change type transactions (BGM, 1225 = 4).

Data Element Summary

Data Element	Component Element	Name	Attributes
4451		**TEXT SUBJECT CODE QUALIFIER** Code specifying the subject of the text.	**M 1 an..3**
		Supplied Values:	
		AAI General information	
		ACB Additional information INTTRA generated changes to a booking.	

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			AES	Reason for amending a message Identification of the reason for amending a message. Customer's reasons for amending the booking.			
			CCI	Customs clearance instructions Any coded or clear instruction agreed by customer and carrier regarding the declaration of the goods.			
			CUS	Customs declaration information Note contains customs declaration information.			
Not Used	**4453**		**TEXT FUNCTION, CODED** Refer to D.99B Data Element Dictionary for acceptable code values.		**C**	**1**	**an..3**
	C107		**TEXT REFERENCE** Coded reference to a standard text and its source.		**C**	**1**	
		4441	**Free text value code** Code specifying free form text. Will only be sent when text subject code (4451) = CUS or CCI. Supplied Values:		**M**		**an..17**
			AMS	Customer to Perform AMS Filing Indicates Customer it to perform AMS filing. Will only be sent with text subject code (4451) = CCI.			
			CCN	Canadian Cargo Control Number Typically provided by the Carrier for use by registered Forwarders in Supplementary Cargo Reports filed with CBSA in Canada. Will only be sent with text subject code (4451) = CUS.			
			NVO	NVOCC SCAC NVOCC SCAC Code for US Customs AMS Filing Will only be sent with text subject code (4451) = CCI.			
			UCN	Customs Export Declaration Unique Consignment Reference (DUCR) Typically provided by the Exporter or its Agent for shipments departing Great Britain. Will only be sent with text subject code (4451) CUS.			
		1131	**Code list identification code** Identification of a code list. Supplied Values:		**M**		**an..3**
			110	Customs special codes Customs code to indicate an exemption to a regulation or a special Customs treatment.			
		3055	**Code list responsible agency code** Code specifying the agency responsible for a code list. Supplied Values:		**M**		**an..3**
			ZZZ	Mutually defined INTTRA defined			
	C108		**TEXT LITERAL** Free text		**C**	**1**	
		4440	**Free text value** Free form text.		**M**		**an..512**

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			This element will be populated when Text Subject Code Qualifier (4451) = AAI, AES, ACB or CUS. This element will also be populated when Text Subject Code Qualifier (4451) = CCI and Free Text Value Code (C107, 4441) = 'NVO'. This element will not be populated when Text Subject Code Qualifier (4451) = CCI and Free Text Value Code (C107, 4441) = AMS.			
		4440	**Free text value** Free form text.	**C**		**an..512**
			This element may be populated when Text Subject Code Qualifier (4451) = AAI, AES, or ACB. This element will not be populated when Text Subject Code Qualifier (4451) = CCI or CUS			
Not Used		**4440**	**Free text value**	**C**		**an..512**
Not Used		**4440**	**Free text value**	**C**		**an..512**
Not Used		**4440**	**Free text value**	**C**		**an..512**
Not Used	**3453**		**LANGUAGE NAME CODE**	**C**	**1**	**an..3**
Not Used	**4447**		**TEXT FORMATTING, CODED** Refer to D.99B Data Element Dictionary for acceptable code values.	**C**	**1**	**an..3**

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Segment: **GDS** **Nature of Cargo**
Position: 0100
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 4
Purpose: A segment to describe the nature of cargo.

Notes: GDS+11

Codes are as provided by the customer.

Only one occurrence of each code will be sent per transaction.

This segment will not be processed if received in Cancellation (0020 BGM 1225 = 1) transactions from the customer.

Data Element Summary

Data Element	Component Element	Name		Attributes	
C703		**NATURE OF CARGO**		**M**	**1**
		Rough classification of a type of cargo.			
	7085	**Nature of cargo, coded**		**M**	**an..3**
		Code indicating the type of cargo as a rough classification.			
		Supplied Values:			
		5	Other non-containerized		
			Non-containerized cargo which cannot be categorized by any of the other nature of cargo code.		
			OOG Freight (out of gauge)		
		11	Hazardous cargo		
			Cargo with dangerous properties, according to appropriate dangerous goods regulations.		
		14	Temperature controlled cargo		
			Cargo transported under specified temperature conditions.		
		15	Environmental pollutant cargo		
			Cargo is an environmental pollutant.		
Not Used	**1131**	**Code list identification code**		**C**	**an..3**
Not Used	**3055**	**Code list responsible agency code**		**C**	**an..3**

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Group: **LOC** **Segment Group 1: Place/Location Identification**
Position: 0110
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 9
Purpose: A group of segments to specify locations and related date(s)/time(s) which apply to the entire message, e.g. place of transshipment.

Segment Summary

Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
0120	LOC	Place/Location Identification	M	1	
0130	DTM	Date/Time/Period	C	1	

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Segment: **LOC** **Place/Location Identification**
Position: 0120 (Trigger Segment)
Group: Segment Group 1 (Place/Location Identification) Conditional (Optional)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify a location applying to the entire message.
Notes: All locations will be coded.

Only one occurrence of each location type segment will be sent with the exception of 74 and 75 which may occur multiple times per transaction.

Place of Receipt (88) and Place of Delivery (7) locations are MANDATORY for Booking Request (0020 BGM 1225 = 9) and Amendment (0020 BGM 1225 = 4) transactions.

INTTRA RECOMMENDS to customers that Place of Receipt (88) and Place of Delivery (7) not be the same.

LOC+88+USELZ:181:6:ELIZABETH
and
LOC+7+NLRTM:181:6:ROTTERDAM

Locations may be structured in the following ways.

LOC+197+NLRTM:181:6:ROTTERDAM+:::NETHERLANDS
or
LOC+74+NLRTM:181:6:ROTTERDAM+NL:162:5
or
LOC+197+USNYC:181:6:NEW YORK+US:162:5+:::NY

INTTRA RECOMMENDS customers send Booking Office if location is other than the export start location.

INTTRA will not default Booking Office if the customer does not send it.

With respect to location literals, INTTRA will provide what the customer sent.

If location literals are not provided for a coded location, literals from INTTRA's database will be provided to the carrier at the carrier's request (carrier preference setting).

This segment will not be processed if received in Cancellation (0020 BGM 1225 = 1) transactions from the customer.

Data Element Summary

Data Element	Component Element	Name		Attributes
3227		**LOCATION FUNCTION CODE QUALIFIER** Code identifying the function of a location.	**M**	**1 an..3**
		Supplied Values:		
		7	Place of delivery (3246) Place to which the goods are to be finally delivered under transport contract terms (operational term).	
		74	Transshipment excluding this place	

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		Place/location where a transshipment from a means of transport to another means of transport is not authorized.			
		Prohibited Transshipment location			
	75	Transshipment limited to this place			
		Only place/location where a transshipment from a means of transport to another means of transport is authorized.			
		Requested Transshipment location			
	88	Place of receipt			
		Identification of the location at which the cargo is actually received.			
	197	Place of inquiry			
		Place to which an inquiry is made.			
		Booking Office			
C517		**LOCATION IDENTIFICATION**	**M**	**1**	
		Identification of a location by code or name.			
	3225	**Location name code**	**M**		**an..25**
		Code specifying the name of the location.			
	1131	**Code list identification code**	**M**		**an..3**
		Identification of a code list.			
		Supplied Values:			
		181 Activity			
		Code identifying activities.			
	3055	**Code list responsible agency code**	**M**		**an..3**
		Code specifying the agency responsible for a code list.			
		Supplied Values:			
		6 UN/ECE (United Nations - Economic Commission for Europe)			
		87 Assigned by carrier			
		Codes assigned by the carrier.			
		This code will only be sent if the carrier has an alias stored in INTTRA's system for this location. Otherwise the UN Code (6) will be sent.			
	3224	**Location name**	**C**		**an..256**
		Name of the location.			
C519		**RELATED LOCATION ONE IDENTIFICATION**	**C**	**1**	
		Identification the first related location by code or name.			
		Used to provide country identification.			
	3223	**Related place/location one identification**	**C**		**an..25**
		Specification of the first related place/location by code.			
		Valid 2 Character ISO country code.			
	1131	**Code list identification code**	**C**		**an..3**
		Identification of a code list.			
		If C519,3223 is populated this element will also be sent. Supplied Values:			
		162 Country			
		Identification of a country.			
	3055	**Code list responsible agency code**	**C**		**an..3**
		Code specifying the agency responsible for a code list.			

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			If C519,3223 is populated this element will also be sent. Supplied Values: 5 ISO (International Organization for Standardization)			
		3222	**Related place/location one** Specification of the first related place/location by name. Country Name	**C**		**an..70**
	C553		**RELATED LOCATION TWO IDENTIFICATION** Identification of second related location by code or name.	**C**	**1**	
Not Used		**3233**	**Related place/location two identification**	**C**		**an..25**
Not Used		**1131**	**Code list identification code** Refer to D.99B Data Element Dictionary for acceptable code values.	**C**		**an..3**
Not Used		**3055**	**Code list responsible agency code** Refer to D.99B Data Element Dictionary for acceptable code values.	**C**		**an..3**
		3232	**Related place/location two** Specification of a second related place/location by name. State/Province code or name.	**C**		**an..70**
Not Used	**5479**		**RELATION, CODED**	**C**	**1**	**an..3**

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Segment: **DTM** **Date/Time/Period**
Position: 0130
Group: Segment Group 1 (Place/Location Identification) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 1
Purpose: A segment to indicate date(s) and time(s) relating to the location.

Notes:

DTM+196:20170829:102
or
DTM+63:201709021345:203

This date pertains to the LOC segment immediately preceding this segment.

Customers at a minimum will provide at least one of the following information in Booking Request (0020 BGM 1225 = 9) and Amendment (0020 BGM 1225 = 4) transactions;

- Departure date/time, earliest at Place of Receipt.
- Delivery date/time, latest at Place of Delivery.
- Vessel name (or Lloyd's code) and Voyage (both sent in same TDT main-carriage segment).

Date will be within 400 days of the current date.

If time is sent it is assumed to be local time at the location identified in the preceding LOC segment.

This segment will not be processed if received in Cancellation (0020 BGM 1225 = 1) transactions from the customer.

Data Element Summary

Data Element	Component Element	Name		Attributes	
C507		**DATE/TIME/PERIOD**		**M**	**1**
		Date and/or time, or period relevant to the specified date/time/period type.			
	2005	**Date/time/period function code qualifier**		**M**	**an..3**
		Code giving specific meaning to a date, time or period.			
		Supplied Values:			
		63	Delivery date/time, latest Date identifying a point of time after which goods shall not or will not be delivered. Will only be sent if preceding LOC element 3227 = 7 (place of delivery).		
		196	Departure date/time, earliest Date/time of earliest departure of means of transport. Will only be sent if preceding LOC element 3227 = 88 (place of receipt).		
	2380	**Date/time/period value**		**M**	**an..35**
		The value of a date, a date and time, a time or of a period in a specified representation.			
	2379	**Date/time/period format code**		**M**	**an..3**
		Code specifying the representation of a date, time or period.			

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Supplied Values:	
102	CCYYMMDD Calendar date: C = Century ; Y = Year ; M = Month ; D = Day.
203	CCYYMMDDHHMM Calendar date including time with minutes: C=Century; Y=Year; M=Month; D=Day; H=Hour; M=Minutes.
	The twenty-four hour clock system will be used to express time. Time will be expressed and transmitted by means of four figures, the first two denoting the hour past midnight and the last two the minutes past the hour. Examples : 12:45 a.m. is expressed as 0045 12:00 noon is expressed as 1200 11:45 p.m. is expressed as 2345 12:00 midnight is expressed as 0000 1:30 a.m. is expressed as 0130 1:45 p.m. is expressed as 1345 4:30 p.m. is expressed as 1630

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Group: **RFF** **Segment Group 3: Reference**
Position: 0170
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 99
Purpose: A group of segments containing a reference and constants which apply to the entire message.

Segment Summary

Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
0180	RFF	Reference	M	1	
0190	DTM	Date/Time/Period	C	2	

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Segment: **RFF** **Reference**
Position: 0180 (Trigger Segment)
Group: Segment Group 3 (Reference) Conditional (Optional)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment to express a reference which applies to the entire message such as: the document/message number that is to be updated by this very message (according to data element 1225 Message function code in segment BGM), booking reference, order number, insurance contract, etc.
Notes: RFF+ANT:CONSGN-112098

When BN reference is sent in an original booking request (0020 BGM 1225 = 9), it represents a Shipper Managed booking number or Rapid Reservation number.

When BN reference is sent in a change booking (0020 BGM 1225 = 4) it will be the booking number as supplied by the carrier in the confirmation.

INTTRA will transmit only one of AFG (Tariff Number), AGE (Outbound Booking agent reference), BN (Booking Number), CT (Contract Number)/LI (Contract Line Item Number) and EX (Export License).

Multiple occurrences of all other references may be sent as follows: Up to 30 occurrences of 'BM' (Bill of Lading Number) and any combination of AGB (Contract Party Reference); AKG (Vehicle Identification Number); ANT (Consignee's Reference); FF (Freight Forwarders Reference); ON (Purchase Order Number) and SI (Shippers Reference Number), up to 60 occurrences.

AFG (Tariff Number) and CT (Contract Reference Number) are mutually exclusive.

LI (Contract Line Item Number) will only be transmitted if CT (Contract Number) is provided.

INTTRA RECOMMENDS that AFG (Tariff Number) or CT (Contract Number) be provided for Booking Request (0020 BGM 1225 = 9) and Amendment (0020 BGM 1225 =4) transactions.

Any reference sent here will not appear at any other level in this transaction.

For Cancellation (0020 BGM 1225 = 1) transactions received from the customer only Booking Number (C506, 1153 = BN) will be processed. All others will be ignored.

Data Element Summary

Data Element	Component Element	Name		Attributes	
C506		**REFERENCE**		**M**	**1**
		Identification of a reference.			
	1153	**Reference function code qualifier**		**M**	**an..3**
		Code giving specific meaning to a reference segment or a reference number.			
		Supplied Values:			
		AFG	Tariff number		
			Freight tariff number		
		AGB	Contract party reference number		
			Reference number assigned to a party for a particular		

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		contract.		
		AGE Agent's reference Reference number of the agent. Outbound Booking Agent Reference		
		AKG Vehicle Identification Number (VIN) The identification number which uniquely distinguishes one vehicle from another through the lifespan of the vehicle.		
		ANT Consignee's reference Reference number of the consignee.		
		BM Bill of lading number Reference number assigned to a bill of lading, see: 1001 = 705.		
		BN Booking reference number [1016] Reference number assigned by the carrier or his agent when cargo space is reserved prior to loading. Carrier Booking Number Limited to 30 characters		
		CT Contract number Reference number of a contract concluded between parties. Contract/Quote Number		
		EX Export license number [1208] Reference number assigned by issuing authority to an Export License.		
		FF Freight forwarder's reference number [1460] Reference number assigned to the consignment by the freight forwarder.		
		LI Line item reference number (1156) Reference number identifying a particular line in a document. Contract Line Item Number To be used only in conjunction with CT (Contract Number).		
		ON Order number (purchase) [1022] Reference number assigned by the buyer to an order.		
		SI SID (Shipper's identifying number for shipment) Description to be provided.		
	1154	**Reference identifier** Identifies a reference.	**M**	**an..35**
Not Used	**1156**	**Line number**	**C**	**an..6**
Not Used	**4000**	**Reference version identifier**	**C**	**an..35**
Not Used	**1060**	**Revision number**	**C**	**an..6**

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Segment: **DTM** **Date/Time/Period**
Position: 0190
Group: Segment Group 3 (Reference) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 2
Purpose: A segment to indicate date and time relating to the reference.

Notes:

DTM+182:20170101:102
or
DTM+36:20171231:102

Notes:
- This DTM is used only for Export License and will immediately follow Export License number (RFF, C506, 1153 = EX).
- Issue date will not be more than 2 years prior to current date.
- Expiration date will not be more than 2 years after current date.
- If sent, Date will be valid according to format code '102'.

This segment will not be processed if received in Cancellation (0020 BGM 1225 = 1) transactions from the customer.

Data Element Summary

Data Element	Component Element	Name	Attributes	
C507		**DATE/TIME/PERIOD**	**M**	**1**
		Date and/or time, or period relevant to the specified date/time/period type.		
	2005	**Date/time/period function code qualifier**	**M**	**an..3**
		Code giving specific meaning to a date, time or period.		
		Supplied Values:		
		36 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.		
		182 Issue date Date when a document/message has been or will be issued.		
	2380	**Date/time/period value**	**M**	**an..35**
		The value of a date, a date and time, a time or of a period in a specified representation.		
	2379	**Date/time/period format code**	**M**	**an..3**
		Code specifying the representation of a date, time or period.		
		Supplied Values:		
		102 CCYYMMDD Calendar date: C = Century ; Y = Year ; M = Month ; D = Day.		

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Group: **TDT** **Segment Group 7: Details of Transport**
Position: 0360
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 99
Purpose: A group of segments to indicate details of the movement of goods such as mode and means of transport, locations, departure, and arrival date(s) and time(s).

Segment Summary

Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
0370	TDT	Details of Transport	M	1	
0400		Segment Group 8: Place/Location Identification	C		2

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Segment: **TDT** **Details of Transport**
Position: 0370 (Trigger Segment)
Group: Segment Group 7 (Details of Transport) Conditional (Optional)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment to indicate information related to a certain stage of the transport, such as mode, means and carrier.
Notes: TDT+10++2
or
TDT+20+Voyage Number+1+13:OCEAN VESSEL+SCAC:172:182+++Lloyds Cd::11:Vessel Name
or
TDT+30++3++SCAC:172:182

Customers at a minimum will provide at least one of the following in Booking Request (0020 BGM 1225 = 9) and Amendment (0020 BGM 1225 = 4) transactions;

- Departure date/time, earliest at Place of Receipt.
- Delivery date/time, latest at Place of Delivery.
- Vessel name (or Lloyd's code) and Voyage (both sent in same TDT main-carriage segment).

INTTRA RECOMMENDS to customers that transport plan legs be provided in the order in which transport is expected to occur. Legs will be stored and sent to the Carrier in the order received. INTTRA does not use the dates provided in the transport plan to order legs.

INTTRA RECOMMENDS to customers that routing/transport plan information provided by the customer be consistent with the Place of Receipt (88) and Place of Delivery (7) locations established in 0120 LOC segments.
Further, INTTRA RECOMMENDS that a main carriage leg (20) be included if plan information is provided.
Finally, INTTRA RECOMMENDS that any vessel/voyage specifications include the Lloyds code for the vessel.

INTTRA RECOMMENDS to customers that if Port of Load and Port of Discharge are sent that Port of Load be sent in the first Start Location (0410 LOC) segment of the first Main-Carriage leg (20) and Port of Discharge be sent in the last End Location (0410 LOC) segment of the last Main-Carriage leg (20) of the TDT group.

INTTRA RECOMMENDS customers send transport means codes (C228, 8179) that are consistent with transport mode code (C220, 8067).

This segment will not be processed if received in Cancellation (0020 BGM 1225 = 1) transactions from the customer.

Data Element Summary

Data Element	Component Element	Name	Attributes
8051		**TRANSPORT STAGE CODE QUALIFIER** Code qualifying a specific stage of transport.	**M 1 an..3**
		Supplied Values:	
		10 Pre-carriage transport Transport by which the goods are moved prior to their	

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			main carriage transport.			
		20	Main-carriage transport The primary stage in the movement of cargo from the point of origin to the intended destination.			
		30	On-carriage transport Transport by which the goods are moved after the main carriage transport.			
	8028		**CONVEYANCE REFERENCE NUMBER** Unique reference given by the carrier to a certain journey or departure of a means of transport (generic term). Voyage Number, Train Number, etc.	**C**	**1**	**an..17**
	C220		**MODE OF TRANSPORT** Method of transport code or name. Code preferred.	**C**	**1**	
		8067	**Transport mode name code** Code specifying the name of a mode of transport.	**C**		**an..3**
			Supplied Values:			
			1 Maritime transport 2 Rail transport 3 Road transport 8 Inland water transport 23 Rail/road 28 Rail/water 38 Road/water			
Not Used		**8066**	**Transport mode name**	**C**		**an..17**
	C228		**TRANSPORT MEANS** Code and/or name identifying the type of means of transport.	**C**	**1**	
		8179	**Transport means description code** Code specifying the means of transport.	**C**		**an..8**
			Supplied Values:			
			8 Container ship Vessel capable of carrying containers and other cargo. 11 Ship A large vessel navigating deep water. 13 Ocean vessel An ocean-going vessel that is not a ship. 16 Barge A category of boat used to transport material over water. 25 Rail express Description to be provided. 31 Truck An automotive vehicle for hauling goods.			
		8178	**Transport means description** Free form description of the means of transport.	**C**		**an..17**
	C040		**CARRIER** Identification of a carrier by code and/or by name. Code preferred.	**C**	**1**	
		3127	**Carrier identification** Identification of party undertaking or arranging transport of goods between named points. Carrier SCAC	**M**		**an..17**

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		1131	**Code list identification code**	**M**		**an..3**
			Identification of a code list.			
			Supplied Values:			
			172 Carriers Code list identifying carriers.			
		3055	**Code list responsible agency code**	**M**		**an..3**
			Code specifying the agency responsible for a code list.			
			Supplied Values:			
			182 US, Standard Carrier Alpha Code (Motor) Organization maintaining the SCAC lists and transportation operating in North America.			
Not Used		3128	**Carrier name**	**C**		**an..35**
Not Used	8101		**TRANSIT DIRECTION INDICATOR CODE**	**C**	1	**an..3**
			Refer to D.99B Data Element Dictionary for acceptable code values.			
Not Used	C401		**EXCESS TRANSPORTATION INFORMATION**	**C**	1	
			To provide details of reason for, and responsibility for, use of transportation other than normally utilized.			
Not Used		8457	**Excess transportation reason, coded**	**M**		**an..3**
			Indication of reason for excess transportation. Refer to D.99B Data Element Dictionary for acceptable code values. Refer to D.99B Data Element Dictionary for acceptable code values.			
Not Used		8459	**Excess transportation responsibility, coded**	**M**		**an..3**
			Indication of responsibility for excess transportation. Refer to D.99B Data Element Dictionary for acceptable code values. Refer to D.99B Data Element Dictionary for acceptable code values.			
Not Used		7130	**Customer authorization number**	**C**		**an..17**
			Customer provided authorization number to allow supplier to ship goods under specific freight conditions. This number will be transmitted back to customer in the dispatch advice message.			
	C222		**TRANSPORT IDENTIFICATION**	**C**	1	
			Code and/or name identifying the means of transport.			
		8213	**Transport means identification name identifier**	**C**		**an..9**
			Identifies the name of the transport means.			
			Lloyd's Code			
Not Used		1131	**Code list identification code**	**C**		**an..3**
		3055	**Code list responsible agency code**	**C**		**an..3**
			Code specifying the agency responsible for a code list.			
			If C222, 8213 is populated this element will also be sent. Supplied Values:			
			11 Lloyd's register of shipping A register of ocean going vessels maintained by Lloyd's of London.			
		8212	**Transport means identification name**	**C**		**an..35**
			Name identifying a means of transport.			
			Vessel Name			
		8453	**Nationality of means of transport, coded**	**C**		**an..3**
			Coded name of the country in which a means of transport is registered.			
			Valid 2 Character ISO country code of ship's registry.			
Not Used	8281		**TRANSPORT OWNERSHIP, CODED**	**C**	1	**an..3**

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Refer to D.99B Data Element Dictionary for acceptable code values.

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Group: **LOC** **Segment Group 8: Place/Location Identification**
Position: 0400
Group: Segment Group 7 (Details of Transport) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 2
Purpose: A group of segments to specify a location and date/time related to this leg of transport.

Segment Summary

Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
0410	LOC	Place/Location Identification	M	1	
0420	DTM	Date/Time/Period	C	1	

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Segment: **LOC** **Place/Location Identification**
Position: 0410 (Trigger Segment)
Group: Segment Group 8 (Place/Location Identification) Conditional (Optional)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment to indicate a location such as origin, destination, stop off, etc. related to this leg of transport.
Notes: LOC+9+USELZ:139:6
or
LOC+11+NLRTM:139:6:ROTTERDAM+NL:162:5
or
LOC+9+:::ELIZABETH+US:162:5+:::NJ

Either Location code (C517, 3225) or Location name (C517, 3224) will always be provided.

INTTRA RECOMMENDS to customers that if either location (start or end) is provided that both be provided and that they be coded.

INTTRA RECOMMENDS customers send country id (C519, 3223) or country name (C519, 3222) and state/province information (C553,3232) for any uncoded locations.

INTTRA will not attempt to derive codes for locations provided without codes.

With respect to location literals, INTTRA will provide what the customer sent.

If location literals are not sent in the Booking transaction for a coded location, literals from INTTRA's database will be provided at carrier's request (carrier preference setting).

This segment will not be processed if received in Cancellation (0020 BGM 1225 = 1) transactions from the customer.

Data Element Summary

Data Element	Component Element	Name		Attributes		
3227		**LOCATION FUNCTION CODE QUALIFIER**		**M**	**1**	**an..3**
		Code identifying the function of a location.				
		Supplied Values:				
		9	Place/port of loading (3334 + 3230) Seaport, airport, freight terminal, rail station or other place at which the goods (cargo) are loaded on to the means of transport being used for their carriage. Start Location.			
		11	Place/port of discharge (3392 + 3414) Seaport, airport, freight terminal, rail station or other place at which the goods (cargo) are unloaded from the means of transport having been used for their carriage. End Location			
C517		**LOCATION IDENTIFICATION**		**M**	**1**	
		Identification of a location by code or name.				
	3225	**Location name code**		**C**		**an..25**

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Code specifying the name of the location.

If there is no UNLOC or Carrier assigned code this field will be blank and the Port Name will be transmitted in element C517, 3224.

1131 **Code list identification code** **C** **an..3**

Identification of a code list.

If C517, 3225 is populated this element will also be sent.

Supplied Values:

139	Port A location having facilities for means of transport to load or discharge cargo.

3055 **Code list responsible agency code** **C** **an..3**

Code specifying the agency responsible for a code list.

If there is no UNLOC or Carrier assigned code this field will be blank and the Port Name will be transmitted in element 3224.

If C517, 3225 is populated this element will also be sent.

Supplied Values:

6	UN/ECE (United Nations - Economic Commission for Europe) UNLOCODE
87	Assigned by carrier Codes assigned by the carrier. This code will only be sent if the carrier has an alias stored in INTTRA's system for this location. Otherwise the UN Code (6) will be sent.

3224 **Location name** **C** **an..256**

Name of the location.

Port Name

C519 **RELATED LOCATION ONE IDENTIFICATION** **C** **1**

Identification the first related location by code or name.

Used to provide country identification.

3223 **Related place/location one identification** **C** **an..25**

Specification of the first related place/location by code.

Valid 2 Character ISO country code.

1131 **Code list identification code** **C** **an..3**

Identification of a code list.

If C519, 3223 is populated this element will also be sent.

Supplied Values:

162	Country Identification of a country.

3055 **Code list responsible agency code** **C** **an..3**

Code specifying the agency responsible for a code list.

If C519, 3223 is populated this element will also be sent.

Supplied Values:

5	ISO (International Organization for Standardization)

3222 **Related place/location one** **C** **an..70**

Specification of the first related place/location by name.

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			Country Name			
	C553		**RELATED LOCATION TWO IDENTIFICATION**	**C**	**1**	
			Identification of second related location by code or name.			
Not Used		**3233**	**Related place/location two identification**	**C**		**an..25**
Not Used		**1131**	**Code list identification code**	**C**		**an..3**
			Refer to D.99B Data Element Dictionary for acceptable code values.			
Not Used		**3055**	**Code list responsible agency code**	**C**		**an..3**
			Refer to D.99B Data Element Dictionary for acceptable code values.			
		3232	**Related place/location two**	**C**		**an..70**
			Specification of a second related place/location by name.			
			State/Province code or name.			
Not Used	**5479**		**RELATION, CODED**	**C**	**1**	**an..3**

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Segment: **DTM** **Date/Time/Period**
Position: 0420
Group: Segment Group 8 (Place/Location Identification) Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 1
Purpose: A segment to specify a date/time related to the location, such as arrival date/time of a means of transport at a specific location.

Notes:
DTM+133:20170831:102
or
DTM+132:201709201345:203

Date will be within 400 days of the current date.

If time is sent it is assumed to be local time at the location identified in the preceding LOC segment.

This segment will not be processed if received in Cancellation (0020 BGM 1225 = 1) transactions from the customer.

Data Element Summary

Data Element	Component Element	Name		Attributes	
C507		**DATE/TIME/PERIOD**		**M**	**1**
		Date and/or time, or period relevant to the specified date/time/period type.			
	2005	**Date/time/period function code qualifier**		**M**	**an..3**
		Code giving specific meaning to a date, time or period.			
		Supplied Values:			
		132	Arrival date/time, estimated (2348) Date/time when carrier estimates that a means of transport should arrive at the port of discharge or place of destination. End date/time of leg. May only be sent if the preceding LOC segment is qualified as 11(End Location).		
		133	Departure date/time, estimated Date/time when carrier estimates that a means of transport should depart at the place of departure. Start date/time of leg. May only be sent if the preceding LOC segment is qualified as 9 (Start Location).		
	2380	**Date/time/period value**		**M**	**an..35**
		The value of a date, a date and time, a time or of a period in a specified representation.			
	2379	**Date/time/period format code**		**M**	**an..3**
		Code specifying the representation of a date, time or period.			
		Supplied Values:			
		102	CCYYMMDD Calendar date: C = Century ; Y = Year ; M = Month ; D = Day.		

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	203	CCYYMMDDHHMM Calendar date including time with minutes: C=Century; Y=Year; M=Month; D=Day; H=Hour; M=Minutes. The twenty-four hour clock system will be used to express time. Time will be expressed and transmitted by means of four figures, the first two denoting the hour past midnight and the last two the minutes past the hour. Examples : 12:45 a.m. is expressed as 0045 12:00 noon is expressed as 1200 11:45 p.m. is expressed as 2345 12:00 midnight is expressed as 0000 1:30 a.m. is expressed as 0130 1:45 p.m. is expressed as 1345 4:30 p.m. is expressed as 1630

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Group: **NAD** **Segment Group 10: Name and Address**
Position: 0460
Group:
Level: 1
Usage: Mandatory
Max Use: 10
Purpose: A group of segments to identify a party, related references, locations contacts, required documents, and charges to be paid by the party.

Segment Summary

Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
0470	NAD	Name and Address	M	1	
0490		Segment Group 11: Contact Information	C		9
0580		Segment Group 14: Charge Payment Instructions	C		6

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Segment: **NAD** **Name and Address**
Position: 0470 (Trigger Segment)
Group: Segment Group 10 (Name and Address) Mandatory
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify the party's name, address, and function.
Notes:

NAD+ZZZ+800023:160:192+BOOKER NAME:30 M AVE:DETROIT, MI
or
NAD+CA+SCAC:160:87+CARRIER NAME
or
NAD+CZ+800124:160:192+SHIPPER NAME:3 M ST:DETROIT, MI+++++06785
or
NAD+CZ+CARSHIPRCD:160:87+SHIPPER NAME :30 M AVE:DETROIT, MI+++++06785+US
or
NAD+CZ+PASSTHROUGH:160:ZZZ+SHIPPER NAME:30 M AVE:DETROIT, MI
or
NAD+CZ+DUNSNUM:160:16+SHIPPER NAME:30 M AVE:DETROIT, MI

INTTRA will always transmit CA (Carrier) and ZZZ (Booking Party).

ZZZ (Booking party) and CA (Carrier) will be INTTRA registered parties.

Either INTTRA registered CZ (Shipper) or INTTRA registered FW (Forwarder) must be provided in Booking Request (0020 BGM 1225 = 9) and Amendment (0020 BGM 1225 = 4) transactions.

Either Party Code (C082, 3039) or Name (C058, 3124) will always be provided.

INTTRA RECOMMENDS customers send Postal Id (3251) and Country code (3207) when party is not coded.

INTTRA RECOMMENDS customers only provide FP (Freight Payer) party type when none of the other party types are appropriate for handling of charges.

Only one of each party type will be sent per booking.

INTTRA will not attempt to derive party codes if not provided by the customer.

With respect to name and address, INTTRA will provide what the customer sends.

For non-INTTRA parties, details such as name and address will be sent to the Carrier if provided in the Booking transaction. For INTTRA registered parties, if name and/or address are not sent in the Booking transaction, name and address from INTTRA's database will be provided at Carrier's request (carrier preference setting).

Only ZZZ (Booking Party) and CA (Carrier) will be processed in Booking Cancellation (0020 BGM 1225 = 1) transactions.

Data Element Summary

Data Element	Component Element	Name	Attributes		
3035		**PARTY FUNCTION CODE QUALIFIER**	**M**	**1**	**an..3**

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Code giving specific meaning to a party.

Supplied Values:

CA	Carrier
	(3126) Party undertaking or arranging transport of goods between named points.
CN	Consignee
	(3132) Party to which goods are consigned.
CZ	Consignor
	(3336) Party which, by contract with a carrier, consigns or sends goods with the carrier, or has them conveyed by him. Synonym: shipper, sender.
FC	Contractor, main
	Firm or grouping of co-contractors which has been awarded the contract.
	Contract Party
FP	Freight/charges payer
	Party responsible for the payment of freight.
FW	Freight forwarder
	Party arranging forwarding of goods.
N1	Notify party no. 1
	The first party which is to be notified.
	Used to indicate additional Notify party
N2	Notify party no. 2
	The second party which is to be notified.
	Used to indicate additional Notify party
NI	Notify party
	(3180) Party to be notified of arrival of goods.
	Used to indicate the main Notify party
ZZZ	Mutually defined
	Party specification mutually agreed between interchanging parties.
	Booking Party

C082 **PARTY IDENTIFICATION DETAILS** **C** **1**

Identification of a transaction party by code.

3039 **Party identifier** **M** **an..35**

Code specifying the identity of a party.

If the party is not an INTTRA customer or if neither Duns number or pass through code (element C082, 3055 = ZZZ) are provided, this element will not be sent.

1131 **Code list identification code** **M** **an..3**

Identification of a code list.

Supplied Values:

160	Party identification
	Identification of parties, corporates, etc.

3055 **Code list responsible agency code** **M** **an..3**

Code specifying the agency responsible for a code list.

Supplied Values:

16	US, D&B (Dun & Bradstreet Corporation)
	Identifies the Dun & Bradstreet Corporation, United

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				States.			
				Duns Number Will not be validated by INTTRA.			
			87	Assigned by carrier			
				Codes assigned by the carrier.			
				This code will only be sent if the carrier has an alias stored in INTTRA's system for this company. Otherwise the INTTRA code (192) will be sent if INTTRA registered.			
			192	Shipper's association			
				Code assigned by a shipper's association.			
				INTTRA Assigned Code			
			ZZZ	Mutually defined			
				Pass through code. Mutually agreed between Customer and Carrier. Will not be validated by INTTRA.			
	C058			**NAME AND ADDRESS**	**C**	**1**	
				Unstructured name and address: one to five lines.			
		3124		**Name and address line**	**M**		**an..35**
				Free form name.			
		3124		**Name and address line**	**C**		**an..35**
				Free form address 1.			
		3124		**Name and address line**	**C**		**an..35**
				Free form address 2.			
		3124		**Name and address line**	**C**		**an..35**
				Free form address 3.			
		3124		**Name and address line**	**C**		**an..35**
				Free form address 4.			
Not Used	**C080**			**PARTY NAME**	**C**	**1**	
				Identification of a transaction party by name, one to five lines. Party name may be formatted.			
Not Used		**3036**		**Party name**	**C**		**an..35**
				Name of a party involved in a transaction.			
Not Used		**3036**		**Party name**	**C**		**an..35**
Not Used		**3036**		**Party name**	**C**		**an..35**
Not Used		**3036**		**Party name**	**C**		**an..35**
Not Used		**3036**		**Party name**	**C**		**an..35**
Not Used		**3045**		**Party name format code**	**C**		**an..3**
				Refer to D.99B Data Element Dictionary for acceptable code values.			
	C059			**STREET**	**C**	**1**	
				Additional address			
		3042		**Street and number/p.o. box**	**M**		**an..35**
				Free form address 5.			
		3042		**Street and number/p.o. box**	**C**		**an..35**
				Free form address 6.			
Not Used		**3042**		**Street and number/p.o. box**	**C**		**an..35**
Not Used		**3042**		**Street and number/p.o. box**	**C**		**an..35**
Not Used	**3164**			**CITY NAME**	**C**	**1**	**an..35**
Not Used	**C819**			**COUNTRY SUB-ENTITY DETAILS**	**C**	**1**	

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			To specify a part of a country (e.g. county or part of a city).			
Not Used		**3229**	**Country sub-entity name code**	**C**		**an..9**
			Identification of the name of sub-entities (state, province) defined by appropriate governmental agencies.			
Not Used		**1131**	**Code list identification code**	**C**		**an..3**
			Refer to D.99B Data Element Dictionary for acceptable code values.			
Not Used		**3055**	**Code list responsible agency code**	**C**		**an..3**
			Refer to D.99B Data Element Dictionary for acceptable code values.			
Not Used		**3228**	**Country sub-entity name**	**C**		**an..35**
	3251		**POSTAL IDENTIFICATION CODE**	**C**	**1**	**an..17**
			Code specifying the postal zone or address.			
	3207		**COUNTRY NAME CODE**	**C**	**1**	**an..3**
			Identification of the name of the country or other geographical entity as specified in ISO 3166.			
			Valid 2 Character ISO country code.			

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Group: **CTA** **Segment Group 11: Contact Information**
Position: 0490
Group: Segment Group 10 (Name and Address) Mandatory
Level: 2
Usage: Conditional (Optional)
Max Use: 9
Purpose: A group of segments identifying a contact and its communications related to the party.

Segment Summary

Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
0500	CTA	Contact Information	M	1	
0510	COM	Communication Contact	M	9	

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Segment: **CTA** **Contact Information**
Position: 0500 (Trigger Segment)
Group: Segment Group 11 (Contact Information) Conditional (Optional)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify a person or department within a party.
Notes: CTA+IC+:NAD CONTACT

Spaces and/or dots alone will not be sent for Contact Name (C056, 3412).

This segment will not be processed if received in Cancellation (0020 BGM 1225 = 1) transactions from the customer.

Data Element Summary

	Data Element	Component Element	Name		Attributes		
	3139		**CONTACT FUNCTION CODE** Code specifying the function of a contact (e.g. department or person). Supplied Values: IC Information contact Department/person to contact for questions regarding transactions.	**M**	**1**	**an..3**
	C056		**DEPARTMENT OR EMPLOYEE DETAILS** Code and/or name of a department or employee. Code preferred.	**M**	**1**	
Not Used		**3413**	**Department or employee identification**	**C**		**an..17**
		3412	**Department or employee** The department or person within an organizational entity.	**M**		**an..35**

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Segment: **COM** **Communication Contact**
Position: 0510
Group: Segment Group 11 (Contact Information) Conditional (Optional)
Level: 3
Usage: Mandatory
Max Use: 9
Purpose: A segment to identify a communication number of a person or department to whom communication should be directed.

Notes: COM+NAD CONTACT NUM:TE

This segment will not be processed if received in Cancellation (0020 BGM 1225 = 1) transactions from the customer.

Data Element Summary

Data Element	Component Element	Name	Attributes	
C076		**COMMUNICATION CONTACT**	**M**	**1**
		Communication number of a department or employee in a specified channel.		
	3148	**Communication number**	**M**	**an..512**
		The communication number.		
	3155	**Communication number code qualifier**	**M**	**an..3**
		Code qualifying the communication number.		
		Supplied Values:		
		EM Electronic mail		
		Exchange of mail by electronic means.		
		Email address is subject to validation as outlined in the preamble of this document.		
		FX Telefax		
		Device used for transmitting and reproducing fixed graphic material (as printing) by means of signals over telephone lines or other electronic transmission media.		
		Fax Number Will not be populated with spaces and/or dots alone.		
		TE Telephone		
		Voice/data transmission by telephone.		
		Will not be populated with spaces and/or dots alone.		

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Group: **CPI** **Segment Group 14: Charge Payment Instructions**
Position: 0580
Group: Segment Group 10 (Name and Address) Mandatory
Level: 2
Usage: Conditional (Optional)
Max Use: 6
Purpose: A group of segments to identify the charge and its amount to be paid by the party.

Segment Summary

Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
0590	CPI	Charge Payment Instructions	M	1	
0620	LOC	Place/Location Identification	C	1	

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Segment: **CPI** **Charge Payment Instructions**
Position: 0590 (Trigger Segment)
Group: Segment Group 14 (Charge Payment Instructions) Conditional (Optional)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify default charge methodology.
Notes: CPI+4++P

Information about charges is advisory only. Customers are advised that acknowledgement of receipt of charge information and confirmation of bookings with charge information does not constitute carrier acceptance of the charges in any form.

Access to Charge information (CPI, LOC, and MOA) will be limited to Carrier (0470 NAD 3035 = CA) and Booking party (0470 NAD 3035 = ZZZ).

Charges indicated to be settled by party identified in the preceding NAD segment.

Only one occurrence of each charge type will be sent per transaction.

INTTRA RECOMMENDS customers only send charge type 11 (Origin haulage charges) when haulage arrangement code (TMD 8341) is requesting carrier haulage at export (CC or CM) and only send charge type 5 (Destination haulage charges) when haulage arrangement code (TMD 8341) is requesting carrier haulage at import (CC or MC).

This segment will not be processed if received in Cancellation (0020 BGM 1225 = 1) transactions from the customer.

This segment is not supported in the IFTMBC Transaction.

Data Element Summary

Data Element	Component Element	Name	Attributes	
C229		**CHARGE CATEGORY**	**M**	**1**
		Identification of a category or a zone of charges.		
	5237	**Charge category code**	**M**	**an..3**
		Code specifying the category of charges.		
		Supplied Values:		
		2 Additional charges Charges calculated by the carrier for specific events like re-weighting, re-loading, unexpected operations, services required during the voyage, etc.		
		4 Basic freight The basic freight payable on the cargo as per tariff.		
		5 Destination haulage charges Haulage charges for transporting goods to the destination.		
		7 Destination port charges Charges payable at the port of destination.		
		10 Origin port charges Charges payable at the port of origin.		
		11 Origin haulage charges Haulage charges for the pickup of goods at origin.		

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Not Used		**1131**	**Code list identification code**	**C**		**an..3**
			Refer to D.99B Data Element Dictionary for acceptable code values.			
Not Used		**3055**	**Code list responsible agency code**	**C**		**an..3**
			Refer to D.99B Data Element Dictionary for acceptable code values.			
Not Used	**C231**		**METHOD OF PAYMENT**	**C**	**1**	
			Code identifying the method of payment.			
Not Used		**4215**	**Transport charges payment method code**	**M**		**an..3**
			Identification of method of payment for transport charges.			
Not Used		**1131**	**Code list identification code**	**C**		**an..3**
			Refer to D.99B Data Element Dictionary for acceptable code values.			
Not Used		**3055**	**Code list responsible agency code**	**C**		**an..3**
			Refer to D.99B Data Element Dictionary for acceptable code values.			
	4237		**PREPAID/COLLECT INDICATOR, CODED**	**M**	**1**	**an..3**
			Code indicating whether freight item amount is prepaid or to be collected.			

Supplied Values:

A	Payable elsewhere Responsibility for payment of transport charges unknown at time of departure.
C	Collect Charges are (to be) collected from the consignee at the destination.
P	Prepaid Charges are (to be) prepaid before the transport actually leaves.

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Segment: **LOC** **Place/Location Identification**
Position: 0620
Group: Segment Group 14 (Charge Payment Instructions) Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 1
Purpose: A segment to identify the place of charge collection.
Notes: LOC+57+CHBSL:181:6:BASEL
or
LOC+57+CHBSL:181:6:BASEL+:::SWITZERLAND
or
LOC+57+CHBSL:181:6:BASEL+CH:162:5
or
LOC+57+USNYC:181:6:NEW YORK+US:162:5+:::NY

This segment is used to identify the location at which responsible party (identified in the preceding NAD segment) will settle indicated charge.

Either Location code (C517, 3225) or Location name (C517, 3224) will always be provided.

INTTRA RECOMMENDS customers send country id (C519, 3223) or country name (C519, 3222) and state/province information (C553,3232) for any uncoded locations.

With respect to location literals, INTTRA will provide what the customer sent.

If location literals are not sent in the Booking transaction for a coded location, literals from INTTRA's database will be provided at Carrier's request (carrier preference setting).

This segment will not be processed if received in Cancellation (0020 BGM 1225 = 1) transactions from the customer.

This segment is not supported in the IFTMBC Transaction.

Data Element Summary

Data Element	Component Element	Name		Attributes	
3227		**LOCATION FUNCTION CODE QUALIFIER** Code identifying the function of a location. Supplied Values:	**M**	**1**	**an..3**
		57 Place of payment Name of the location at which freight and charges for main transport are payable.			
C517		**LOCATION IDENTIFICATION** Identification of a location by code or name.	**C**	**1**	
	3225	**Location name code** Code specifying the name of the location. If there is no UNLOC or Carrier assigned code this field will be blank and the Port Name will be transmitted in element 3224.	**C**		**an..25**
	1131	**Code list identification code** Identification of a code list. If C517, 3225 is populated this element will also be sent. Supplied Values:	**C**		**an..3**

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			181	Activity Code identifying activities.			
		3055	**Code list responsible agency code** Code specifying the agency responsible for a code list. If C517, 3225 is populated this element will also be sent. Supplied Values:		**C**		**an..3**
			6	UN/ECE (United Nations - Economic Commission for Europe) UNLOCODE			
			87	Assigned by carrier Codes assigned by the carrier. This code will only be sent if the carrier has an alias stored in INTTRA's system for this location. Otherwise the UN Code (6) will be sent.			
		3224	**Location name** Name of the location.		**C**		**an..256**
	C519		**RELATED LOCATION ONE IDENTIFICATION** Identification the first related location by code or name.		**C**	**1**	
		3223	**Related place/location one identification** Specification of the first related place/location by code. Valid 2 Character ISO country code.		**C**		**an..25**
		1131	**Code list identification code** Identification of a code list. If C519,3223 is populated this element will also be sent. Supplied Values:		**C**		**an..3**
			162	Country Identification of a country.			
		3055	**Code list responsible agency code** Code specifying the agency responsible for a code list. If C519, 3223 is populated this element will also be sent. Supplied Values:		**C**		**an..3**
			5	ISO (International Organization for Standardization)			
		3222	**Related place/location one** Specification of the first related place/location by name. Country Name		**C**		**an..70**
	C553		**RELATED LOCATION TWO IDENTIFICATION** Identification of second related location by code or name.		**C**	**1**	
Not Used		**3233**	**Related place/location two identification**		**C**		**an..25**
Not Used		**1131**	**Code list identification code** Refer to D.99B Data Element Dictionary for acceptable code values.		**C**		**an..3**
Not Used		**3055**	**Code list responsible agency code** Refer to D.99B Data Element Dictionary for acceptable code values.		**C**		**an..3**
		3232	**Related place/location two** Specification of a second related place/location by name. State/Province code or name.		**C**		**an..70**
Not Used	**5479**		**RELATION, CODED**		**C**	**1**	**an..3**

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Group: **GID** **Segment Group 16: Goods Item Details**
Position: 0700
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 999
Purpose: A group of segments to describe the goods items for which transport is undertaken.

Segment Summary

Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
0710	GID	Goods Item Details	M	1	
0730	TMP	Temperature	C	1	
0780	PIA	Additional Product Id	C	2	
0790	FTX	Free Text	C	8	
0800	PCD	Percentage Details	C	1	
0850		Segment Group 18: Measurements	C		6
0880		Segment Group 19: Dimensions	O		99
0910		Segment Group 20: Reference	C		9
1070		Segment Group 25: Split Goods Placement	C		999
1120		Segment Group 27: Dangerous Goods	C		99

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Segment: **GID** **Goods Item Details**
Position: 0710 (Trigger Segment)
Group: Segment Group 16 (Goods Item Details) Conditional (Optional)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify a goods item for which transport is undertaken. A goods item can be identified by up to three levels of packaging.
Notes: GID+1+2:CT:67:6:CARTON
GID+1

This segment is MANDATORY for Booking Request (0020 BGM 1225 = 9) and Amendment (0020 BGM 1225 = 4) transactions.

The GID segment is used to report commodity level packaging.

INTTRA RECOMMENDS to customer that Pallets are not an acceptable packaging type.

INTTRA RECOMMENDS customers send only outer pack information for non-dangerous cargo.

INTTRA RECOMMENDS customers send inner and inner-inner pack for dangerous cargo only when there are multiple DG cargoes in the outer pack.

INTTRA will always provide the pack level details in a vertical format regardless of how it was received from the customer.

The total number of Pack Composites will not exceed 999 per transaction.

Notes:
- A GID Set is a group of GID lines identified by a unique GID Sequence number (element 1496)
- Each new GID set will begin with an Outer Pack Composite.
- Only one Outer Pack Composite will be sent per GID set.
- Every C213 Pack Composite provided will have either a valid package code, or package description, as well as the number of packages.
- An Outer Pack Composite must precede an Inner Pack Composite and an Inner Pack Composite must precede an Inner-Inner Pack Composite.
- At Carriers request (Carrier preference setting), INTTRA will resolve package description (if not provided by customer) systematically using valid package code (C213,7065) and send package description from INTTRA database to the Carrier.
- For hazardous commodity, package type code or package description and number of packages must be provided.
- Number of Packages must be a whole number greater than zero.
- INTTRA allows for a GID segment to be sent without package code/package description and number of packages (i.e. allow GID+1, GID+2) but if multiple package levels are sent, the package code or description and number of packages must be provided for all package level.
- If package code or package description is provided then number of package must also be provided.

Recommended GID construct:

GID+1+2:CR:67:6:CRATES (Outer Pack Composite)
PIA+5+HARMONIZED CODE:HS

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FTX+AAA+++BALL BEARINGS (commodity description)
MEA+AAE+G+KGM:7000 (weight of outer pack)
SGP+01+2 (number of outer packages in a container)

See GID Conventions in the Carrier IFTMBF Appendix for detailed instructions and examples of Goods Item Detail format.

This segment will not be processed if received in Cancellation (0020 BGM 1225 = 1) transactions received from the customer.

Data Element Summary

Data Element	Component Element	Name	Attributes		
1496		**GOODS ITEM NUMBER**	**M**	**1**	**n..5**
		Serial number differentiating each separate goods item entry of a consignment as contained in one document/declaration.			
C213		**NUMBER AND TYPE OF PACKAGES**	**C**	**1**	
		Number and type of individual parts of a shipment.			
		Used to indicate the Outer package type and quantity.			
	7224	**Number of packages**	**C**		**n..8**
		Number of individual parts of a shipment either unpacked, or packed in such a way that they cannot be divided without first undoing the packing.			
		Number of Outer Packages. Note: Must be a valid whole number greater than zero (no commas or decimals). If Package Code (C213:7065) or Package Description (C213:7064) is provided then Number of Packages (C213:7224) must be provided. For multiple package level commodity, the Package Code (C213:7065) or Package Description (C213:7064) and Number of Packages (C213:7224) must be provided for all package levels. For hazardous commodity, Package Code (C213:7065) or Package Description (C213:7064) and Number of Packages (C213:7224) must be provided.			
	7065	**Package type description code**	**C**		**an..17**
		Code specifying the type of package.			
		Two-character UN/ECE recommendation 21, revision 4 package codes. If Number of Packages (C213:7224) is provided then either Package Code (C213:7065) or Package Description (C213:7064) must be provided. For multiple package level commodity, the Package Code (C213:7065) or Package Description (C213:7064) and Number of Packages (C213:7224) must be provided for all package levels. For hazardous commodity, Package Code (C213:7065) or Package Description (C213:7064) and Number of Packages (C213:7224) must be provided.			
	1131	**Code list identification code**	**C**		**an..3**
		Identification of a code list.			
		If C213, 7065 is populated this element will also be sent. Supplied Values: 67 Type of package			

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			Indication of the type of package codes.			
		3055	**Code list responsible agency code**	**C**		**an..3**
			Code specifying the agency responsible for a code list.			
			If C213, 7065 is populated this element will also be sent. Supplied Values: 6 UN/ECE (United Nations - Economic Commission for Europe)			
		7064	**Type of packages**	**C**		**an..35**
			Description of the form in which goods are presented.			
			Package type description. If Number of Packages (C213:7224) is provided then either Package Code (C213:7065) or Package Description (C213:7064) must be provided. For multiple package level commodity, the Package Code (C213:7065) or Package Description (C213:7064) and Number of Packages (C213:7224) must be provided for all package levels. For hazardous commodity, Package Code (C213:7065) or Package Description (C213:7064) and Number of Packages (C213:7224) must be provided.			
Not Used		7233	**Packaging related description code**	**C**		**an..3**
			Refer to D.99B Data Element Dictionary for acceptable code values.			
	C213		**NUMBER AND TYPE OF PACKAGES**	**C**	**1**	
			Number and type of individual parts of a shipment.			
			Used to indicate the Inner package type and quantity. INTTRA RECOMMENDS customers send inner pack for dangerous cargo only.			
		7224	**Number of packages**	**C**		**n..8**
			Number of individual parts of a shipment either unpacked, or packed in such a way that they cannot be divided without first undoing the packing.			
			Number of Inner Packages. Note: Must be a valid whole number greater than zero (no commas or decimals). If Package Code (C213:7065) or Package Description (C213:7064) is provided then Number of Packages (C213:7224) must be provided. For multiple package level commodity, the Package Code (C213:7065) or Package Description (C213:7064) and Number of Packages (C213:7224) must be provided for all package levels. For hazardous commodity, Package Code (C213:7065) or Package Description (C213:7064) and Number of Packages (C213:7224) must be provided.			
		7065	**Package type description code**	**C**		**an..17**
			Code specifying the type of package.			
			Two-character UN/ECE recommendation 21, revision 4 package codes. If Number of Packages (C213:7224) is provided then either Package Code (C213:7065) or Package Description (C213:7064) must be provided. For multiple package level commodity, the Package Code (C213:7065) or			

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			Package Description (C213:7064) and Number of Packages (C213:7224) must be provided for all package levels. For hazardous commodity, Package Code (C213:7065) or Package Description (C213:7064) and Number of Packages (C213:7224) must be provided.			
		1131	**Code list identification code** Identification of a code list. If C213, 7065 is populated this element will also be sent. Supplied Values: 67 Type of package Indication of the type of package codes.	**C**	**an..3**	
		3055	**Code list responsible agency code** Code specifying the agency responsible for a code list. If C213, 7065 is populated this element will also be sent. Supplied Values: 6 UN/ECE (United Nations - Economic Commission for Europe)	**C**	**an..35**	
		7064	**Type of packages** Description of the form in which goods are presented. Package type description. If Number of Packages (C213:7224) is provided then either Package Code (C213:7065) or Package Description (C213:7064) must be provided. For multiple package level commodity, the Package Code (C213:7065) or Package Description (C213:7064) and Number of Packages (C213:7224) must be provided for all package levels. For hazardous commodity, Package Code (C213:7065) or Package Description (C213:7064) and Number of Packages (C213:7224) must be provided.	**C**	**an..3**	
Not Used		**7233**	**Packaging related description code** Refer to D.99B Data Element Dictionary for acceptable code values.	**C**	**an..3**	
	C213		**NUMBER AND TYPE OF PACKAGES** Number and type of individual parts of a shipment. Used to indicate the Inner-inner package type and quantity. INTTRA RECOMMENDS customers send inner-inner pack for dangerous cargo only.	**C**	**1**	
		7224	**Number of packages** Number of individual parts of a shipment either unpacked, or packed in such a way that they cannot be divided without first undoing the packing. Number of Inner-inner Packages. Note: Must be a valid whole number greater than zero (no commas or decimals). If Package Code (C213:7065) or Package Description (C213:7064) is provided then Number of Packages (C213:7224) must be provided. For multiple package level commodity, the Package Code (C213:7065) or Package Description (C213:7064) and Number of Packages (C213:7224) must be provided for all package levels.	**C**	**n..8**	

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			For hazardous commodity, Package Code (C213:7065) or Package Description (C213:7064) and Number of Packages (C213:7224) must be provided.			
		7065	**Package type description code** Code specifying the type of package. Two-character UN/ECE recommendation 21, revision 4 package codes. If Number of Packages (C213:7224) is provided then either Package Code (C213:7065) or Package Description (C213:7064) must be provided. For multiple package level commodity, the Package Code (C213:7065) or Package Description (C213:7064) and Number of Packages (C213:7224) must be provided for all package levels. For hazardous commodity, Package Code (C213:7065) or Package Description (C213:7064) and Number of Packages (C213:7224) must be provided.	C		an..17
		1131	**Code list identification code** Identification of a code list. If C213, 7065 is populated this element will also be sent. Supplied Values: 67 Type of package Indication of the type of package codes.	C		an..3
		3055	**Code list responsible agency code** Code specifying the agency responsible for a code list. If C213, 7065 is populated this element will also be sent. Supplied Values: 6 UN/ECE (United Nations - Economic Commission for Europe)	C		an..3
		7064	**Type of packages** Description of the form in which goods are presented. Package type description. If Number of Packages (C213:7224) is provided then either Package Code (C213:7065) or Package Description (C213:7064) must be provided. For multiple package level commodity, the Package Code (C213:7065) or Package Description (C213:7064) and Number of Packages (C213:7224) must be provided for all package levels. For hazardous commodity, Package Code (C213:7065) or Package Description (C213:7064) and Number of Packages (C213:7224) must be provided.	C		an..35
Not Used		7233	**Packaging related description code** Refer to D.99B Data Element Dictionary for acceptable code values.	C		an..3
Not Used	**C213**		**NUMBER AND TYPE OF PACKAGES** Number and type of individual parts of a shipment.	C	1	
Not Used		7224	**Number of packages** Number of individual parts of a shipment either unpacked, or packed in such a way that they cannot be divided without first undoing the packing.	C		n..8
Not Used		7065	**Package type description code** Code specifying the type of package.	C		an..17
Not Used		1131	**Code list identification code**	C		an..3

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			Identification of a code list. Refer to D.99B Data Element Dictionary for acceptable code values. Refer to D.99B Data Element Dictionary for acceptable code values.		
Not Used		**3055**	**Code list responsible agency code** Code specifying the agency responsible for a code list. Refer to D.99B Data Element Dictionary for acceptable code values. Refer to D.99B Data Element Dictionary for acceptable code values.	**C**	**an..3**
Not Used		**7064**	**Type of packages** Description of the form in which goods are presented.	**C**	**an..35**
Not Used		**7233**	**Packaging related description code** Code specifying information related to packaging. Refer to D.99B Data Element Dictionary for acceptable code values. Refer to D.99B Data Element Dictionary for acceptable code values.	**C**	**an..3**
Not Used	**C213**		**NUMBER AND TYPE OF PACKAGES** Number and type of individual parts of a shipment.	**C**	**1**
Not Used		**7224**	**Number of packages** Number of individual parts of a shipment either unpacked, or packed in such a way that they cannot be divided without first undoing the packing.	**C**	**n..8**
Not Used		**7065**	**Package type description code** Code specifying the type of package.	**C**	**an..17**
Not Used		**1131**	**Code list identification code** Identification of a code list. Refer to D.99B Data Element Dictionary for acceptable code values. Refer to D.99B Data Element Dictionary for acceptable code values.	**C**	**an..3**
Not Used		**3055**	**Code list responsible agency code** Code specifying the agency responsible for a code list. Refer to D.99B Data Element Dictionary for acceptable code values. Refer to D.99B Data Element Dictionary for acceptable code values.	**C**	**an..3**
Not Used		**7064**	**Type of packages** Description of the form in which goods are presented.	**C**	**an..35**
Not Used		**7233**	**Packaging related description code** Code specifying information related to packaging. Refer to D.99B Data Element Dictionary for acceptable code values. Refer to D.99B Data Element Dictionary for acceptable code values.	**C**	**an..3**

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Segment: **TMP** **Temperature**
Position: 0730
Group: Segment Group 16 (Goods Item Details) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 1
Purpose: A segment to specify a temperature setting for a goods item.
Notes: TMP+2+02.3:CEL

This segment will only be sent on LCL (0060 TSR C233:7273 = 3) transactions and is only applicable to outer packaging level.

This segment may always be provided for commodity that has specific temperature requirements.

This segment will not be processed if received in Cancellation (0020 BGM 1225 = 1) transactions from the customer.

Temperature is stored at INTTRA as provided by the customer.

Set Temperature will conform to below rules:
- Decimal will be represented using the dot ('.').
- Temperature values will not include group separators.
- Temperature will contain 3 valid Numeric Digits, and may also contain a decimal and minus sign ('-').
- Maximum Precision of Temperature is 1.
- Negative Temperature will include a Minus sign ('-') and it will be in the first position of the element.
- Positive Temperature will be Unsigned.

Valid examples:
005, -005, -05.5, 55.2, 45.0

Invalid examples:
1, -5, -05, 5.5, 23-, 35, .3, 5.04, +045

Data Element Summary

Data Element	Component Element	Name		Attributes	
6245		**TEMPERATURE QUALIFIER**	**M**	**1**	**an..3**
		A code giving specific meaning to the temperature.			
		2 Transport temperature The temperature at which cargo is to be kept while it is under transport.			
C239		**TEMPERATURE SETTING**	**M**	**1**	
		The temperature under which the goods are (to be) stored or shipped.			
	6246	**Temperature setting**	**M**		**n3**
		The actual temperature value in degrees Celsius (e.g. 008, 020).			
	6411	**Measurement unit code**	**M**		**an..3**
		Code specifying the unit of measurement.			
		INTTRA Accepted Values:			
		CEL Celsius			

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FAH	Fahrenheit

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Segment: **PIA** **Additional Product Id**
Position: 0780
Group: Segment Group 16 (Goods Item Details) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 2
Purpose: A segment to specify article numbers.
Notes: PIA+5+HARMONIZED CODE:HS

Only one of each type of Commodity Id will be provided per GID.

INTTRA RECOMMENDS that customers provide at least one of Commodity Id or Commodity Description (as defined in the FTX segment) for each outer GID.

INTTRA RECOMMENDS that commodity Id's be provided only at the outer pack level for non-dangerous commodities.

This segment will not be processed if received in Cancellation (0020 BGM 1225 = 1) transactions from the customer.

This segment is not supported in the IFTMBC Transaction.

Data Element Summary

Data Element	Component Element	Name	Attributes		
4347		**PRODUCT ID. FUNCTION QUALIFIER** Indication of the function of the product code. Supplied Values: 5 Product identification	**M**	**1**	**an..3**
C212		**ITEM NUMBER IDENTIFICATION** Goods identification for a specified source.	**M**	**1**	
	7140	**Item number** A number allocated to a group or item. US Census Bureau Schedule B number Valid example: 220600 Invalid examples: 22.06.00, 22 0600 or Harmonized tariff system code Valid example: 010190 Invalid examples: 010.190, 100 190	**M**		**an..35**
	7143	**Item type identification code** Code specifying an item code. Supplied values: CG Commodity grouping Code for a group of articles with common characteristics (e.g. used for statistical purposes). US Census Bureau Schedule B number.	**M**		**an..3**

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			HS	Harmonized system INTTRA recommends that customers use 6 character classification codes from the World Customs Organization (WCO) Harmonized System (HS) Schedule.		
Not Used		**1131**	**Code list identification code** Refer to D.99B Data Element Dictionary for acceptable code values.	**C**		**an..3**
Not Used		**3055**	**Code list responsible agency code** Refer to D.99B Data Element Dictionary for acceptable code values.	**C**		**an..3**
Not Used	**C212**		**ITEM NUMBER IDENTIFICATION** Goods identification for a specified source.	**C**	**1**	
Not Used		**7140**	**Item number** A number allocated to a group or item.	**C**		**an..35**
Not Used		**7143**	**Item type identification code** Code specifying an item code. Refer to D.99B Data Element Dictionary for acceptable code values. Refer to D.99B Data Element Dictionary for acceptable code values.	**C**		**an..3**
Not Used		**1131**	**Code list identification code** Identification of a code list. Refer to D.99B Data Element Dictionary for acceptable code values. Refer to D.99B Data Element Dictionary for acceptable code values.	**C**		**an..3**
Not Used		**3055**	**Code list responsible agency code** Code specifying the agency responsible for a code list. Refer to D.99B Data Element Dictionary for acceptable code values. Refer to D.99B Data Element Dictionary for acceptable code values.	**C**		**an..3**
Not Used	**C212**		**ITEM NUMBER IDENTIFICATION** Goods identification for a specified source.	**C**	**1**	
Not Used		**7140**	**Item number** A number allocated to a group or item.	**C**		**an..35**
Not Used		**7143**	**Item type identification code** Code specifying an item code. Refer to D.99B Data Element Dictionary for acceptable code values. Refer to D.99B Data Element Dictionary for acceptable code values.	**C**		**an..3**
Not Used		**1131**	**Code list identification code** Identification of a code list. Refer to D.99B Data Element Dictionary for acceptable code values. Refer to D.99B Data Element Dictionary for acceptable code values.	**C**		**an..3**
Not Used		**3055**	**Code list responsible agency code** Code specifying the agency responsible for a code list. Refer to D.99B Data Element Dictionary for acceptable code values. Refer to D.99B Data Element Dictionary for acceptable code values.	**C**		**an..3**
Not Used	**C212**		**ITEM NUMBER IDENTIFICATION** Goods identification for a specified source.	**C**	**1**	
Not Used		**7140**	**Item number** A number allocated to a group or item.	**C**		**an..35**
Not Used		**7143**	**Item type identification code** Code specifying an item code. Refer to D.99B Data Element Dictionary for acceptable code values. Refer to D.99B Data Element Dictionary for acceptable code values.	**C**		**an..3**
Not Used		**1131**	**Code list identification code**	**C**		**an..3**

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			Identification of a code list. Refer to D.99B Data Element Dictionary for acceptable code values. Refer to D.99B Data Element Dictionary for acceptable code values.			
Not Used		**3055**	**Code list responsible agency code** Code specifying the agency responsible for a code list. Refer to D.99B Data Element Dictionary for acceptable code values. Refer to D.99B Data Element Dictionary for acceptable code values.	**C**		**an..3**
Not Used	**C212**		**ITEM NUMBER IDENTIFICATION** Goods identification for a specified source.	**C**	**1**	
Not Used		**7140**	**Item number** A number allocated to a group or item.	**C**		**an..35**
Not Used		**7143**	**Item type identification code** Code specifying an item code. Refer to D.99B Data Element Dictionary for acceptable code values. Refer to D.99B Data Element Dictionary for acceptable code values.	**C**		**an..3**
Not Used		**1131**	**Code list identification code** Identification of a code list. Refer to D.99B Data Element Dictionary for acceptable code values. Refer to D.99B Data Element Dictionary for acceptable code values.	**C**		**an..3**
Not Used		**3055**	**Code list responsible agency code** Code specifying the agency responsible for a code list. Refer to D.99B Data Element Dictionary for acceptable code values. Refer to D.99B Data Element Dictionary for acceptable code values.	**C**		**an..3**

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Segment: **FTX** **Free Text**
Position: 0790
Group: Segment Group 16 (Goods Item Details) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 8
Purpose: A segment to specify processable supplementary information relating to the goods item.
Notes:

FTX+AAA+++GOODS DESCRIPTION
or
FTX+CUS++UCN:110:ZZZ+857_2938476
or
FTX+AEB+++CARGO REEFER COMMENTS
or
FTX+AEB++ECA:130:ZZZ

INTTRA RECOMMENDS that customers provide at least one of Commodity Description or Commodity Id (as defined in the PIA segment) for each outer GID.

INTTRA RECOMMENDS that Commodity Description be limited to the Outer Pack level for non-dangerous goods.

Only 1 segment per GID loop will be sent with Text Subject Code Qualifier of AAA.

Only 2 segments per GID loop will be set with Text Subject Code Qualifier of CUS each containing only 1 of Free Text Value Code CCN or UCN.

Text subject CUS may appear at other levels in the transaction. CCN and UCN will only appear at one level in the transaction.

Only 5 segments per GID loop will be sent with Text Subject Code Qualifier of AEB; 1 with Free Text Value Code not populated and 4 each containing only 1 of Free text Value Code ECA, GEN, HUM, and (VTC or VTO). Text subject AEB (temperature control instructions) will only be sent on LCL (0060 TSR C233, 7273 = 3) transactions and is only applicable to outer packaging level.

This segment will not be processed if received in Cancellation (0020 BGM 1225 = 1) transactions from the customer.

Data Element Summary

Data Element	Component Element	Name		Attributes		
4451		**TEXT SUBJECT CODE QUALIFIER**		**M**	**1**	**an..3**
		Code specifying the subject of the text.				
		Supplied Values:				
		AAA	Goods description [7002] Plain language description of the nature of the goods sufficient to identify them at the level required for banking, Customs, statistical or transport purposes, avoiding unnecessary detail (Generic term).			
		AEB	Temperature control instructions Instruction regarding the temperature control of the cargo.			
		CUS	Customs declaration information Note contains customs declaration information.			
Not Used	**4453**	**TEXT FUNCTION, CODED**		**C**	**1**	**an..3**

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Refer to D.99B Data Element Dictionary for acceptable code values.

C107	**TEXT REFERENCE**	**C**	**1**	

Coded reference to a standard text and its source.

GEN (genset required), ECA (equipment controlled atmosphere), HUM (humidity) will only be sent when a set temperature has been supplied (0730 TMP C239, 6246) in the goods item details group (GID loop).

INTTRA RECOMMENDS to customers when ECA (equipment controlled atmosphere flag) is provided that customers send carbon dioxide, nitrogen, and oxygen gas measurements (0860 MEA C502, 6313 = ZC, ZN and ZO).

INTTRA RECOMMENDS to customers when HUM (humidity flag) is provided that customers send humidity measurement (0800 PCD C501, 5482).

INTTRA RECOMMENDS to customers when VTO (vent open flag) is provided that customers send air flow measurement (0860 MEA C502, 6313 = AAS).

VTC (vent closed) and VTO (vent open) are mutually exclusive.

ECA (equipment controlled atmosphere) and VTO (vent open) are mutually exclusive.

4441	**Free text value code**	**M**	**an..17**

Code specifying free form text.

Supplied Values:

CCN	Canadian Cargo Control Number
	Typically provided by the Carrier for use by registered Forwarders in Supplementary Cargo Reports filed with CBSA in Canada. Will only be sent when Text Subject Code Qualifier (4451) = CUS.
ECA	Equipment Controlled Atmosphere
	Will only be sent when Text Subject Code Qualifier (4451) = AEB.
GEN	Genset Required
	Will only be sent when Text Subject Code Qualifier (4451) = AEB.
HUM	Humidify
	Will only be sent when Text Subject Code Qualifier (4451) = AEB.
UCN	Customs Export Declaration Unique Consignment Reference (DUCR)
	Typically provided by the Exporter or its Agent for shipments departing Great Britain. Will only be sent when Text Subject Code Qualifier (4451) = CUS.
VTC	Vent Closed
	Will only be sent when Text Subject Code Qualifier (4451) = AEB.
VTO	Vent Open
	Will only be sent when Text Subject Code Qualifier (4451) = AEB.

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		1131	**Code list identification code** Identification of a code list. Supplied Values: 110 Customs special codes Customs code to indicate an exemption to a regulation or a special Customs treatment. Will always be sent when Text Subject Code Qualifier (4451) = CUS and Free Text Value Code (C107, 4441) = UCN or CCN. 130 Special handling Code to indicate that the nature of the consignment may necessitate use of special handling procedures (IATA). Used only in conjunction with free text value codes (C107, 4441) ECA, GEN, HUM, VTC and VTO. Will always be sent when Text Subject Code Qualifier (4451) = AEB and Free Text Value Code (C107, 4441) = ECA, GEN, HUM, VTC or VTO.	**M**		**an..3**
		3055	**Code list responsible agency code** Code specifying the agency responsible for a code list. Supplied Values: ZZZ Mutually defined Defined by INTTRA	**M**		**an..3**
	C108		**TEXT LITERAL** Free text	**M**	**1**	
		4440	**Free text value** Free form text. This element will only be populated when Text Subject Qualifier (4451) = AAA or AEB and Free Text Value Code C107, 4441) is not populated. or When Text Subject Qualifier (4451) = CUS and Free Text Value Code C107, 4441) is populated with one of the following codes; CCN or UCN.	**C**		**an..512**
		4440	**Free text value** Free form text. This element may only be populated when Text Subject Qualifier (4451) = AAA or AEB and Free Text Value Code C107, 4441) is not populated. This element will not be populated when Text Subject Code Qualifier (4451) = CUS.	**C**		**an..512**
Not Used		**4440**	**Free text value**	**C**		**an..512**
Not Used		**4440**	**Free text value**	**C**		**an..512**
Not Used		**4440**	**Free text value**	**C**		**an..512**
Not Used	**3453**		**LANGUAGE NAME CODE**	**C**	**1**	**an..3**
Not Used	**4447**		**TEXT FORMATTING, CODED** Refer to D.99B Data Element Dictionary for acceptable code values.	**C**	**1**	**an..3**

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Segment: **PCD** **Percentage Details**
Position: 0800
Group: Segment Group 16 (Goods Item Details) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 1
Purpose: A segment to specify percentages related to cargo shipped in controlled atmosphere equipment such as percentage humidity.

Notes: PCD+52+70

This segment will only be sent on LCL (0060 TSR C233:7273 = 3) transactions and is only applicable to outer packaging level.

This segment will not be processed if received in Cancellation (0020 BGM 1225 = 1) transactions from the customer.

Data Element Summary

Data Element	Component Element	Name	Attributes	
C501		**PERCENTAGE DETAILS**	**M**	**1**
		Percentage relating to a specified basis.		
	5245	**Percentage type code qualifier**	**M**	**an..3**
		Code qualifying the type of percentage code.		
		52 Humidity The amount of moisture in the air.		
	5482	**Percentage**	**M**	**n..10**
		Value expressed as a percentage of a specified amount.		
Not Used	**5249**	**Percentage basis identification code**	**C**	**an..3**
		Refer to D.99B Data Element Dictionary for acceptable code values.		
Not Used	**1131**	**Code list identification code**	**C**	**an..3**
		Refer to D.99B Data Element Dictionary for acceptable code values.		
Not Used	**3055**	**Code list responsible agency code**	**C**	**an..3**
		Refer to D.99B Data Element Dictionary for acceptable code values.		

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Group: **MEA** **Segment Group 18: Measurements**
Position: 0850
Group: Segment Group 16 (Goods Item Details) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 6
Purpose: A group of segments to specify measurements applicable to a goods item.

Segment Summary

Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
0860	MEA	Measurements	M	1	

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Segment: **MEA** **Measurements**
Position: 0860 (Trigger Segment)
Group: Segment Group 18 (Measurements) Conditional (Optional)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment to specify measurements, other than dimensions, applicable to a goods item.
Notes:

MEA+AAE+G+KGM:3000.135
or
MEA+AAE+AAW+MTQ:30.0654
or
MEA+AAE+AAS+CBM:324.25
or
MEA+AAE+ZO+PCT:14.21

Only one Volume and Weight Measurement will be sent per GID loop.

INTTRA RECOMMENDS that Customers provide at a minimum one of the following weight measurements in Booking Request (0020 BGM 1225 = 9) and Amendment (0020 BGM 1225 = 4) transactions;

- Outer Pack GID commodity weight (provided in this segment).
- SGP container weight (1100 MEA segment).
- Container weight (1300 MEA segment)

INTTRA RECOMMENDS that customers provide Inner and Inner-Inner level measurements in Booking transactions with Dangerous cargo at those levels.

Airflow and Atmosphere settings will only be sent on LCL (0060 TSR C233, 7273 = 3) transactions and is only applicable to outer packaging level.

INTTRA RECOMMENDS that customers provide oxygen, nitrogen, carbon dioxide measurements when Equipment Controlled Atmosphere flag is sent (GID/FTX 4451 = AEB) and (GID/FTX C107, 4441 = ECA).

INTTRA RECOMMENDS that customers provide Air Flow measurement when Vent Open flag is sent (GID/FTX 4451 = AEB and GID/FTX C107, 4441 = VTO).

This segment will not be processed if received in Cancellation (0020 BGM 1225 = 1) transactions from the customer.

All weight, volume, airflow and atmosphere (oxygen, nitrogen, carbon dioxide) values will conform to below rules:

- Decimal will be represented using the dot ('.').
- Group separators will not be sent.

1. Weight: Maximum 3 digits of precision allowed:
examples: valid - "1000.123" invalid - "1,000.123", "1.000,123"

2. Volume: Maximum 4 digits of precision allowed:
examples: valid - "1000.1234" invalid - "1,000.1234", "1.000,1234"

3. Air flow and Atmosphere: Maximum 2 digits of precision allowed:
examples: valid - "1000.12" invalid - "1,000.12", "1.000,12"

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Data Element Summary

Data Element	Component Element	Name	Attributes
6311		**MEASUREMENT ATTRIBUTE CODE** Code specifying the measurement attribute. Supplied Values: AAE Measurement [6314] Value of the measured unit.	**M 1 an..3**
C502		**MEASUREMENT DETAILS** Identification of measurement type.	**M 1**
	6313	**Measured attribute code** Code specifying the attribute measured. Supplied Values: AAS Air flow AAW Gross volume The observed volume unadjusted for factors such as temperature or gravity. G Gross weight [6292] Weight (mass) of goods including packing but excluding the carrier's equipment. ZC Carbon ZN Nitrogen ZO Oxygen	**M an..3**
Not Used	**6321**	**Measurement significance, coded** Refer to D.99B Data Element Dictionary for acceptable code values.	**C an..3**
Not Used	**6155**	**Non-discrete measurement name code** Refer to D.99B Data Element Dictionary for acceptable code values.	**C an..17**
Not Used	**6154**	**Non-discrete measurement name**	**C an..70**
C174		**VALUE/RANGE** Measurement value and relevant minimum and maximum values of the measurement range.	**M 1**
	6411	**Measurement unit code** Code specifying the unit of measurement. Supplied Values: For Weight: KGM = Kilograms LBR = Pounds For Volume: FTQ = Cubic feet MTQ = Cubic meters For Air Flow: CBM = Cubic Meters per Hour CFT = Cubic Feet per Hour For Atmosphere (ZO oxygen, ZN nitrogen, ZC carbon dioxide): PCT = Percent	**M an..3**
	6314	**Measurement value** Value of the measured unit.	**M an..18**

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Not Used		**6162**	**Range minimum**	**C**		**n..18**
Not Used		**6152**	**Range maximum**	**C**		**n..18**
Not Used		**6432**	**Significant digits**	**C**		**n..2**
Not Used	**7383**		**SURFACE/LAYER CODE** Refer to D.99B Data Element Dictionary for acceptable code values.	**C**	**1**	**an..3**

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Group: **DIM** **Segment Group 19: Dimensions**
Position: 0880
Group: Segment Group 16 (Goods Item Details) Conditional (Optional)
Level: 2
Usage: Optional (Optional)
Max Use: 99
Purpose: A group of segments to specify dimensions applicable to a goods item.

Segment Summary

Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
0890	DIM	Dimensions	M	1	
0900	EQN	Number of Units	O	1	

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Segment: **DIM** **Dimensions**
Position: 0890 (Trigger Segment)
Group: Segment Group 19 (Dimensions) Optional (Optional)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: To specify dimensions applicable to a goods item.
Notes: DIM+2+MTR:16.764:12.192:6.096

The information in this segment represents the dimensions of the OOG commodity for full container load bookings.

For LCL shipments this segment will be used to report the dimensions of each transportable unit of commodity (e.g. pallets, cartons etc.). INTTRA recommends this be sent for LCL shipments.

INTTRA REQUIRES that customers send this segment at the outer pack level only.

INTTRA RECOMMENDS customer send this segment only if cargo is OOG or LCL shipments.

INTTRA RECOMMENDS that customers send the OOG flag in the GDS segment when Out of Gauge cargo is indicated in this segment.

This segment will not be processed if received in Cancellation (0020 BGM 1225 = 1) transactions from the customer.

All numeric values will conform to below rules:

- Decimal will be represented using the dot ('.').
- Group separators will not be sent.

1. Length, Width, Height: Maximum 3 digits of precision allowed:
examples: valid - "1000.123" invalid - "1,000.123", "1.000,123"

Data Element Summary

Data Element	Component Element	Name	Attributes
6145		**DIMENSION QUALIFIER**	**M 1 an..3**
		To specify the dimensions applicable to each of the transportable units.	
		Supplied Values:	
		2 Package dimensions (including goods)	
		The dimension of the goods including the packaging.	
C211		**DIMENSIONS**	**M 1**
		Specification of the dimensions of a transportable unit.	
	6411	**Measurement unit code**	**M an..3**
		Code specifying the unit of measurement.	
		If this element is populated then at least one of the following will be sent, (C211, 6168), (C211, 6140), or (211, 6008).	
		Supplied Values:	
		CMT Centimeters	
		FET Feet	

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	INH Inches		
	MTR Meters		
6168	**Length dimension** Length of pieces or packages stated for transport purposes.	**C**	**n..15**
6140	**Width dimension** Width of pieces or packages stated for transport purposes.	**C**	**n..15**
6008	**Height dimension** Height of pieces or packages stated for transport purposes.	**C**	**n..15**

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Segment: **EQN** **Number of Units**
Position: 0900
Group: Segment Group 19 (Dimensions) Optional (Optional)
Level: 3
Usage: Optional (Optional)
Max Use: 1
Purpose: A segment to specify the number of equipment units to each of which the given dimension applies.

Notes: EQN+5:2

INTTRA recommends that customers send this segment when providing dimensions of transportable units of LCL shipments (0890-DIM).

If this segment is not provided by the customer when providing dimensions of transportable units (LCL shipments), INTTRA will send 1.

Data Element Summary

Data Element	Component Element	Name	Attributes	
C523		**NUMBER OF UNIT DETAILS** Identification of number of units and its purpose.	**M**	**1**
	6350	**Number of units** Number of units of a certain type.	**M**	**n..15**
	6353	**Unit type code qualifier** Code qualifying the type of unit. Supplied Value: 2 Transportable unit	**M**	**an..3**

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Group: **RFF** **Segment Group 20: Reference**
Position: 0910
Group: Segment Group 16 (Goods Item Details) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 9
Purpose: A group of segments to identify references to a goods item.

Segment Summary

Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
0920	RFF	Reference	M	1	
0930	DTM	Date/Time/Period	C	2	

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Segment: **RFF** **Reference**
Position: 0920 (Trigger Segment)
Group: Segment Group 20 (Reference) Conditional (Optional)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify a reference to a goods item.
Notes:

RFF+ABW:COMMODITY SKU NUMBER

RFF+ON:PURCHASE ORDER NUMBER

RFF+EX:EXPORT LICENSE NUMBER

RFF+AKG:4T1BE30K44U797354

Multiple occurrences of ABW, AKG and ON may be provided.

Any reference type code sent here will not appear at any other level in this transaction.

INTTRA RECOMMENDS that customers only send ON (Purchase Order Number) at this level, if each commodity has a different purchase order number.

EX (Export License Number) will only be sent, at this level, if each commodity has a different export license number.

INTTRA RECOMMENDS to customers that references be provided only at the outer GID for non-dangerous commodities.

This segment will not be processed if received in Cancellation (0020 BGM 1225 = 1) transactions from the customer.

Data Element Summary

Data Element	Component Element	Name		Attributes	
C506		**REFERENCE**		**M**	**1**
		Identification of a reference.			
	1153	**Reference function code qualifier**		**M**	**an..3**
		Code giving specific meaning to a reference segment or a reference number.			
		Supplied Values:			
		ABW	Stock keeping unit number SKU number of commodity		
		AKG	Vehicle Identification Number (VIN) The identification number which uniquely distinguishes one vehicle from another through the lifespan of the vehicle.		
		EX	Export license number [1208] Reference number assigned by issuing authority to an Export License.		
		ON	Order number (purchase) [1022] Reference number assigned by the buyer to an order.		
	1154	**Reference identifier**		**M**	**an..35**
		Identifies a reference.			

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Not Used	**1156**	**Line number**	**C**	**an..6**
Not Used	**4000**	**Reference version identifier**	**C**	**an..35**
Not Used	**1060**	**Revision number**	**C**	**an..6**

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Segment: **DTM** **Date/Time/Period**
Position: 0930
Group: Segment Group 20 (Reference) Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 2
Purpose: A segment to indicate date and time relating to the reference.

Notes:
DTM+182:20170102:102
or
DTM+36:20171231:102

This segment will not be processed if received in Cancellation (0020 BGM 1225 = 1) transactions from the customer.

Notes:
- This DTM is used only for Export License Dates and will immediately follow Export License number (segment RFF C506, 1153 = "EX").
- Issue date will not be more than 2 years prior to current date.
- Expiration date will not be more than 2 years after current date.
- If sent, Date will be valid according to format code '102'.

Data Element Summary

Data Element	Component Element	Name		Attributes	
C507		**DATE/TIME/PERIOD**		**M**	**1**
		Date and/or time, or period relevant to the specified date/time/period type.			
	2005	**Date/time/period function code qualifier**		**M**	**an..3**
		Code giving specific meaning to a date, time or period.			
		Supplied Values:			
		36	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.		
		182	Issue date Date when a document/message has been or will be issued.		
	2380	**Date/time/period value**		**M**	**an..35**
		The value of a date, a date and time, a time or of a period in a specified representation.			
	2379	**Date/time/period format code**		**M**	**an..3**
		Code specifying the representation of a date, time or period.			
		Supplied Values:			
		102	CCYYMMDD Calendar date: C = Century ; Y = Year ; M = Month ; D = Day.		

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Group: **SGP** **Segment Group 25: Split Goods Placement**
Position: 1070
Group: Segment Group 16 (Goods Item Details) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 999
Purpose: A group of segments to specify the distribution of a goods item among the transport equipment.

Segment Summary

Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
1080	SGP	Split Goods Placement	M	1	
1090		Segment Group 26: Measurements	C		2

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Segment: **SGP** **Split Goods Placement**
Position: 1080 (Trigger Segment)
Group: Segment Group 25 (Split Goods Placement) Conditional (Optional)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify the equipment in which goods are transported.

Notes:

SGP+AAAA1234567+24
or
SGP+01+24

This segment is not supported in the IFTMBC Transaction.

The SGP segment is used to indicate the portion of a commodity that is loaded in a specific container.

If supplied, container details (1270 EQD) will also be sent.

This segment will only be sent at GID set Outer Pack Composite.

If SGP is sent it will be sent for every GID set.

INTTRA RECOMMENDS that Customers provide SGP information for Booking Request (0020 BGM 1225 = 9) and Amendment (0020 BGM 1225 = 4) transactions.

This segment will not be processed if received in Cancellation (0020 BGM 1225 = 1) transactions from the customer.

Notes:
- in the case of Split Goods (same commodity within multiple containers), the SGP segment will repeat within the GID set for each container.
- Each distinct container number listed in an SGP (composite element C237, 8260) will have a matching container number in an EQD segment.

Data Element Summary

Data Element	Component Element	Name	Attributes		
C237		**EQUIPMENT IDENTIFICATION**	**M**	**1**	
		Marks (letters/numbers) identifying equipment.			
	8260	**Equipment identification number**	**M**		**an..17**
		Marks (letters and/or numbers) which identify equipment e.g. unit load device.			
		Container number (actual or logical).			
Not Used	**1131**	**Code list identification code**	**C**		**an..3**
		Refer to D.99B Data Element Dictionary for acceptable code values.			
Not Used	**3055**	**Code list responsible agency code**	**C**		**an..3**
		Refer to D.99B Data Element Dictionary for acceptable code values.			
Not Used	**3207**	**Country name code**	**C**		**an..3**
7224		**NUMBER OF PACKAGES**	**C**	**1**	**n..8**
		Number of individual parts of a shipment either unpacked, or packed in such a way that they cannot be divided without first undoing the packing.			
		Number of outer packages in container (must be a valid whole number with no decimal or commas).			

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Group: **MEA** **Segment Group 26: Measurements**
Position: 1090
Group: Segment Group 25 (Split Goods Placement) Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 2
Purpose: A group of segments to identify measurements.

Segment Summary

Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
1100	MEA	Measurements	M	1	

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Segment: **MEA** **Measurements**
Position: 1100 (Trigger Segment)
Group: Segment Group 26 (Measurements) Conditional (Optional)
Level: 3
Usage: Mandatory
Max Use: 1
Purpose: A segment to specify measurements of that portion of the goods item in the equipment.
Notes:

MEA+AAE+G+KGM:3000.135
or
MEA+AAE+AAW+MTQ:30.0654

Only one Volume and Weight Measurement will be sent per SGP loop.

INTTRA RECOMMENDS that Customers provide at a minimum one of the following weight measurements in Booking Request (0020 BGM 1225 = 9) and Amendment (0020 BGM 1225 = 4) transactions;

- Outer Pack GID commodity weight (provided in this segment).
- SGP container weight (1100 MEA segment).
- Container weight (1300 MEA segment)

This segment will not be processed if received in Cancellation (0020 BGM 1225 = 1) transactions from the customer.

All numeric values will confirm to below rules:

- Decimal will be represented using the dot ('.').
- Group separators will not be sent.

1. Weight: Maximum 3 digits of precision allowed:
   examples: valid - "1000.123" invalid - "1,000.123", "1.000,123"

2. Volume: Maximum 4 digits of precision allowed:
   examples: valid - "1000.1234" invalid - "1,000.1234", "1.000,1234"

Data Element Summary

Data Element	Component Element	Name		Attributes		
6311		**MEASUREMENT ATTRIBUTE CODE**		**M**	**1**	**an..3**
		Code specifying the measurement attribute.				
		Supplied Values:				
		AAE	Measurement			
			[6314] Value of the measured unit.			
C502		**MEASUREMENT DETAILS**		**M**	**1**	
		Identification of measurement type.				
	6313	**Measured attribute code**		**M**		**an..3**
		Code specifying the attribute measured.				
		Supplied Values:				
		AAW	Gross volume			
			The observed volume unadjusted for factors such as temperature or gravity.			
		G	Gross weight			
			[6292] Weight (mass) of goods including packing but			

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			excluding the carrier's equipment.			
Not Used		**6321**	**Measurement significance, coded** Refer to D.99B Data Element Dictionary for acceptable code values.	**C**		**an..3**
Not Used		**6155**	**Non-discrete measurement name code** Refer to D.99B Data Element Dictionary for acceptable code values.	**C**		**an..17**
Not Used		**6154**	**Non-discrete measurement name**	**C**		**an..70**
	C174		**VALUE/RANGE** Measurement value and relevant minimum and maximum values of the measurement range.	**M**	**1**	
		6411	**Measurement unit code** Code specifying the unit of measurement. Supplied values: For Weight: KGM = Kilograms LBR = Pounds For Volume: FTQ = Cubic feet MTQ = Cubic meters	**M**		**an..3**
		6314	**Measurement value** Value of the measured unit.	**M**		**an..18**
Not Used		**6162**	**Range minimum**	**C**		**n..18**
Not Used		**6152**	**Range maximum**	**C**		**n..18**
Not Used		**6432**	**Significant digits**	**C**		**n..2**
Not Used	**7383**		**SURFACE/LAYER CODE** Refer to D.99B Data Element Dictionary for acceptable code values.	**C**	**1**	**an..3**

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Group: **DGS** **Segment Group 27: Dangerous Goods**
Position: 1120
Group: Segment Group 16 (Goods Item Details) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 99
Purpose: A group of segments to specify dangerous goods details related to the goods item. One goods item may be in different dangerous goods classes.

Segment Summary

Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
1130	DGS	Dangerous Goods	M	1	
1140	FTX	Free Text	M	12	
1150		Segment Group 28: Contact Information	C		3
1180		Segment Group 29: Measurements	C		4
1210		Segment Group 30: Split Goods Placement	C		999

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Segment: **DGS** **Dangerous Goods**
Position: 1130 (Trigger Segment)
Group: Segment Group 27 (Dangerous Goods) Conditional (Optional)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment to indicate the class of dangerous goods, packing group, etc.
Notes: DGS+IMD+3.2:23-2:003+1993+43.3:CEL+2+EMSNBR++345++1.2:2.3

INTTRA RECOMMENDS that customers send inner and inner-inner packing details for dangerous commodities only when multiple dangerous commodities exist in the Outer pack.

This segment will not be processed if received in Cancellation (0020 BGM 1225 = 1) transactions from the customer.

Note:
- In case more than one IMO code applies, an additional 2 may be sent in the DGS segment (C236,8246).

Temperature is stored at INTTRA as provided by the customer.

Flash Point Temperature will conform to below rules:

- Decimal will be represented using the dot ('.').
- Temperature values will not include group separators.
- Temperature will contain 3 valid Numeric Digits, and may also contain a decimal and minus sign ('-').
- Maximum Precision of Temperature is 1.
- Negative Temperature will include a Minus sign ('-') and it will be in the first position of the element.
- Positive Temperature will be Unsigned.

Valid examples:
005, -005, -05.5, 55.2, 45.0

Invalid examples:
1, -5, -05, 5.5, 23-, 35, .3, 5.04, +045

See appendix 3 for detailed instructions and examples of Dangerous Goods Detail format.

Data Element Summary

Data Element	Component Element	Name		Attributes		
8273		**DANGEROUS GOODS REGULATIONS CODE**		**M**	**1**	**an..3**
		Code specifying a dangerous goods regulation.				
		Supplied Values:				
		IMD	IMO IMDG code Regulations regarding the transportation of dangerous goods on ocean-going vessels issued by the International Maritime Organization.			
C205		**HAZARD CODE**		**M**	**1**	
		The identification of the dangerous goods in code.				
	8351	**Hazard code identification**		**M**		**an..7**

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			Dangerous goods code.			
		8078	**Hazard substance/item/page number**	**C**		**an..7**
			Number giving additional hazard code classification of a goods item within the applicable dangerous goods regulation.			
		8092	**Hazard code version number**	**C**		**an..10**
			The version/revision number of date of issuance of the code used.			
	C234		**UNDG INFORMATION**	**M**	**1**	
			Information on dangerous goods, taken from the United Nations Dangerous Goods classification.			
		7124	**UNDG number**	**M**		**n4**
			Unique serial number assigned within the United Nations to substances and articles contained in a list of the dangerous goods most commonly carried.			
Not Used		7088	**Dangerous goods flashpoint**	**C**		**an..8**
	C223		**DANGEROUS GOODS SHIPMENT FLASHPOINT**	**C**	**1**	
			Temperature at which a vapor can be ignited as per ISO 1523/73.			
		7106	**Shipment flashpoint**	**M**		**n3**
			Temperature in centigrade determined by the closed cup test as per ISO 1523/73 where a vapor is given off that can be ignited.			
		6411	**Measurement unit code**	**M**		**an..3**
			Code specifying the unit of measurement.			
			Supplied Values:			
			CEL Celsius/Centigrade			
			FAH Fahrenheit			
	8339		**PACKING GROUP, CODED**	**C**	**1**	**an..3**
			Identification of a packing group by code.			
			Supplied Values:			
			1 Great danger			
			Packaging meeting criteria to pack hazardous materials with great danger. Group I according to IATA/IMDG/ADR/RID regulations.			
			2 Medium danger			
			Packaging meeting criteria to pack hazardous materials with medium danger. Group II according to IATA/IDMG/ADR/RID regulations.			
			3 Minor danger			
			Packaging meeting criteria to pack hazardous materials with minor danger. Group III according to IATA/IDMG/ADR/RID regulations.			
	8364		**EMS NUMBER**	**C**	**1**	**an..6**
			Emergency procedures for ships carrying dangerous goods.			
Not Used	8410		**MFAG**	**C**	**1**	**an..4**
	8126		**TREM CARD NUMBER**	**C**	**1**	**an..10**
			The identification of a transport emergency card giving advice for emergency actions.			
Not Used	C235		**HAZARD IDENTIFICATION PLACARD DETAILS**	**C**	**1**	
			These numbers appear on the hazard identification placard required on the means of transport.			
Not Used		8158	**Hazard identification number, upper part**	**C**		**an..4**
			The id. number for the Orange Placard (upper part) required on the means of transport.			
Not Used		8186	**Substance identification number, lower part**	**C**		**an4**

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			The number for the Orange Placard (lower part) required on the means of transport.			
	C236		**DANGEROUS GOODS LABEL**	**C**	**1**	
			Markings identifying the type of hazardous goods and similar information.			
		8246	**Dangerous goods label marking**	**C**		**an..4**
			Marking identifying the type of hazardous goods (substance), Loading/Unloading instructions and advising actions in case of emergency.			
			2nd IMO code Used if more than one IMO class applied to the dangerous commodity.			
		8246	**Dangerous goods label marking**	**C**		**an..4**
			Marking identifying the type of hazardous goods (substance), Loading/Unloading instructions and advising actions in case of emergency.			
			3rd IMO code Used if more than two IMO class applied to the dangerous commodity.			
Not Used		**8246**	**Dangerous goods label marking**	**C**		**an..4**
Not Used	**8255**		**PACKING INSTRUCTION, CODED**	**C**	**1**	**an..3**
Not Used	**8325**		**CATEGORY OF MEANS OF TRANSPORT, CODED**	**C**	**1**	**an..3**
			Refer to D.99B Data Element Dictionary for acceptable code values.			
Not Used	**8211**		**PERMISSION FOR TRANSPORT, CODED**	**C**	**1**	**an..3**

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Segment: **FTX** **Free Text**
Position: 1140
Group: Segment Group 27 (Dangerous Goods) Conditional (Optional)
Level: 3
Usage: Mandatory
Max Use: 12
Purpose: A segment to specify the dangerous goods technical name and to specify any additional dangerous goods information.

Notes:

FTX+AAD++PSN:122:ZZZ+PROPER DANGEROUS SHIPPING NAME

One segment coded for Dangerous goods, proper shipping name (as above) will be transmitted per DGS loop.

Only 4 segments per DGS loop will be sent with Text Subject Code Qualifier of AAC;
1 with Free text value code not populated.
1 with Free Text value code of GAS, LQD or SLD.
1 with Free text value code of NP, P or PP.
1 with Free text value code of IHL.
Only 3 segments per DGS loop will be sent with Text Subject Code Qualifier of AAD each containing only 1 of Free text value code of PSN, TLQ or TN.
Only 1 segment per DGS loop will be sent with Text Subject Code Qualifier of HAN and Free text value code of 4.
Only 1 segment per DGS loop will be sent with Text Subject Code Qualifier of AEP and Free text value code is not populated.
Only 1 segment per DGS loop will be sent with Text Subject Code Qualifier of PKG and Free text value code is populated with IBC packing code.
Only 1 segment per DGS loop will be sent with Text Subject Code Qualifier of HAZ and Free text value code is not populated.
Only 1 segment per DGS loop may be sent with Text Subject Code Qualifier of REG and Free text value code is not populated.

This segment will not be processed if received in Cancellation (0020 BGM 1225 = 1) transactions from the customer.

Examples of other DGS/FTX segments.

FTX+AAD++TN:122:ZZZ+DANGEROUS GOODS TECHNICAL SHIPPING NAME

FTX+AAD++TLQ:122:ZZZ
or
FTX+AAC+++DANGEROUS GOODS ADDITIONAL INFORMATION
or
FTX+AAC++P:122:ZZZ

FTX+AAC++PP:122:ZZZ

FTX+HAN++4:122:ZZZ

FTX+AEP+++RADIO ACTIVE ADDITIONAL INFORMATION

FTX+PKG++6HA1:183:ZZZ

Data Element Summary

Data Element	Component Element	Name	Attributes

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	4451		**TEXT SUBJECT CODE QUALIFIER**	**M**	**1**	**an..3**
			Code specifying the subject of the text.			
			Supplied Values:			
			AAC	Dangerous goods additional information Additional information concerning dangerous goods. Used for General Haz Mat comments.		
			AAD	Dangerous goods, technical name Proper shipping name, supplemented as necessary with the correct technical name, by which a dangerous substance or article may be correctly identified or which is sufficiently informative to permit identification by reference to generally available literature.		
			AEP	Radioactive goods, additional information Additional information related to radioactive goods.		
			HAN	Handling instructions [4078] Instructions on how specified goods, packages or containers should be handled.		
			HAZ	Hazard information Information pertaining to a hazard. Used to indicate the Haz Mat Placard (Explosive, Flammable, etc.).		
			PKG	Packaging information Note contains packaging information. IBC (intermediate bulk container code).		
			REG	Regulatory information The free text contains information for regulatory authority.		
Not Used	**4453**		**TEXT FUNCTION, CODED**	**C**	**1**	**an..3**
			Refer to D.99B Data Element Dictionary for acceptable code values.			
	C107		**TEXT REFERENCE**	**C**	**1**	
			Coded reference to a standard text and its source.			
			GAS (Gas), LQD (Liquid), SLD (Solid) are mutually exclusive. NP (Non-marine pollutant), P (Marine pollutant), PP (Severe marine pollutant) are mutually exclusive. When Text Subject Code Qualifier (4451) = PKG this element will contain IBC (intermediate bulk container code).			
		4441	**Free text value code**	**M**		**an..17**
			Code specifying free form text.			
			When text subject code (4451) = PKG this element will contain IBC (intermediate bulk container code). Will always be sent when text subject code (4451) = AAD, HAN or PKG. Will never be sent when text subject code (4451) = AEP, HAZ or REG. May be sent when text subject code (4451) = AAC. Supplied Values:			
			4	Empty, uncleaned receptacle If sent Text Subject Code Qualifier (4451) will be HAN.		

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		GAS	Gas Hazardous commodity aggregate If sent Text Subject Code Qualifier (4451) will be AAC.		
		IHL	Inhalant hazard If sent Text Subject Code Qualifier (4451) will be AAC.		
		LQD	Liquid Hazardous commodity aggregate If sent Text Subject Code Qualifier (4451) will be AAC.		
		NP	Non-marine pollutant If sent Text Subject Code Qualifier (4451) will be AAC.		
		P	Marine pollutant If sent Text Subject Code Qualifier (4451) will be AAC.		
		PP	Severe marine pollutant If sent Text Subject Code Qualifier (4451) will be AAC.		
		PSN	Proper dangerous goods shipping name If sent Text Subject Code Qualifier (4451) will be AAD.		
		SLD	Solid Hazardous commodity aggregate If sent Text Subject Code Qualifier (4451) will be AAC.		
		TLQ	Transport of dangerous goods in limited quantities If sent Text Subject Code Qualifier (4451) will be AAD.		
		TN	Dangerous goods technical name If sent Text Subject Code Qualifier (4451) will be AAD.		
	1131	**Code list identification code** Identification of a code list. Supplied Values:		**M**	**an..3**
		122	Commodity (7357) Code identifying types of goods for Customs, transport or statistical purposes (generic term). Applicable in conjunction with all codes shown in Free text value code (C107,4441) except 'PKG'.		
		183	Dangerous goods packing type Identification of package types for the description related to dangerous goods. IBC intermediate bulk container code Used only in conjunction with text code qualifier (4451) PKG (Packaging information) and free form text in C107,4441.		
	3055	**Code list responsible agency code** Code specifying the agency responsible for a code list. Supplied Values:		**M**	**an..3**
		ZZZ	Mutually defined Defined by INTTRA		
C108		**TEXT LITERAL** Free text		**C**	**1**
	4440	**Free text value** Free form text. This element will be populated when Text Subject Code Qualifier (4451) =		**M**	**an..512**

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			AEP, HAZ, or REG. This element will be populated when Text Subject Code Qualifier (4451) = AAC and Free Text Value Code (C107, 4441) is not populated. This element will be populated when Text Subject Code Qualifier (4451) = AAD and Free Text Value Code (C107, 4441) = PSN or TN. This element will not be populated when Text Subject Code Qualifier (4451) = HAN or PKG. This element will not be populated when Text Subject Code Qualifier (4451) = AAC and Free Text Value Code (C107, 4441) is populated. This element will not be populated when Text Subject Code Qualifier (4451) = AAD and Free Text Value Code (C107, 4441) = TLQ.			
		4440	**Free text value** Free form text.	**C**		**an..512**
			This element may be populated when Text Subject Code Qualifier (4451) = AEP, HAZ, or REG. This element may be populated when Text Subject Code Qualifier (4451) = AAC and Free Text Value Code (C107, 4441) is not populated. This element will not be populated when Text Subject Code Qualifier (4451) = AAC, HAN or PKG and Text Value Code (C107, 4441) is populated. This element will not be populated when Text Subject Code Qualifier (4451) = AAD and Text Value Code (C107, 4441) = TLQ.			
Not Used		**4440**	**Free text value**	**C**		**an..512**
Not Used		**4440**	**Free text value**	**C**		**an..512**
Not Used		**4440**	**Free text value**	**C**		**an..512**
Not Used	**3453**		**LANGUAGE NAME CODE**	**C**	**1**	**an..3**
Not Used	**4447**		**TEXT FORMATTING, CODED** Refer to D.99B Data Element Dictionary for acceptable code values.	**C**	**1**	**an..3**

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Group: **CTA** **Segment Group 28: Contact Information**
Position: 1150
Group: Segment Group 27 (Dangerous Goods) Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 3
Purpose: A group of segments to identify a contact to whom communication regarding the dangerous goods can be directed.

Segment Summary

Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
1160	CTA	Contact Information	M	1	
1170	COM	Communication Contact	M	1	

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Segment: **CTA** **Contact Information**
Position: 1160 (Trigger Segment)
Group: Segment Group 28 (Contact Information) Conditional (Optional)
Level: 3
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify a person or department.
Notes: CTA+HE+:EMERGENCY CONTACT

INTTRA RECOMMENDS that customers include a DGS Contact when GID level DGS information is provided.

Spaces and/or dots alone will not be sent for Contact Name (C056, 3412).

This segment will not be processed if received in Cancellation (0020 BGM 1225 = 1) transactions from the customer.

Data Element Summary

Data Element	Component Element	Name	Attributes		
3139		**CONTACT FUNCTION CODE** Code specifying the function of a contact (e.g. department or person). Supplied Values: HE Emergency dangerous goods contact Party who is to be contacted to intervene in case of emergency.	**M**	**1**	**an..3**
C056		**DEPARTMENT OR EMPLOYEE DETAILS** Code and/or name of a department or employee. Code preferred.	**M**	**1**	
Not Used	**3413**	**Department or employee identification**	**C**		**an..17**
	3412	**Department or employee** The department or person within an organizational entity. Emergency Contact Name.	**M**		**an..35**

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Segment: **COM** **Communication Contact**
Position: 1170
Group: Segment Group 28 (Contact Information) Conditional (Optional)
Level: 4
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify a communication number of a person or department.

Notes: COM+975 345 9988:TE

INTTRA RECOMMENDS that customers include a DGS Contact when GID level DGS information is provided

This segment will not be processed if received in Cancellation (0020 BGM 1225 = 1) transactions from the customer.

Data Element Summary

Data Element	Component Element	Name	Attributes	
C076		**COMMUNICATION CONTACT**	**M**	**1**
		Communication number of a department or employee in a specified channel.		
	3148	**Communication number**	**M**	**an..512**
		The communication number.		
		Emergency contact phone number. INTTRA RECOMMENDS that customers not send an 800 number.		
	3155	**Communication number code qualifier**	**M**	**an..3**
		Code qualifying the communication number.		
		Supplied values:		
		TE Telephone Voice/data transmission by telephone. Will not be populated with spaces and/or dots alone.		

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Group: **MEA** **Segment Group 29: Measurements**
Position: 1180
Group: Segment Group 27 (Dangerous Goods) Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 4
Purpose: A group of segments to identify dangerous goods measurements.

Segment Summary

Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
1190	MEA	Measurements	M	1	

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Segment: **MEA** **Measurements**
Position: 1190 (Trigger Segment)
Group: Segment Group 29 (Measurements) Conditional (Optional)
Level: 3
Usage: Mandatory
Max Use: 1
Purpose: A segment to specify measurements of the dangerous goods.
Notes:

MEA+AAE+AAF+KGM:11350.135
or
MEA+AAE+AAX+MTQ:54.475
or
MEA+AAE+AAX+LTR:1892.5
or
MEA+AAE+AEO+MBQ:7.55
or
MEA+AAE+ZZZ+PIW:26.3

INTTRA RECOMMENDS that customers send net net weight for Dangerous Goods of Class 1 (explosive).

Only one measurement each of Volume, Weight, Radioactivity and Acid Concentration will be transmitted per DGS loop.

This segment will not be processed if received in Cancellation (0020 BGM 1225 = 1) transactions from the customer.

Numeric values will conform to below rules:

- Decimal will be represented using the dot ('.').
- Group separators will not be sent.

1. Weight, Radioactivity, and Acid concentration: Maximum 3 digits of precision allowed:
   examples: valid - "1000.123" invalid - "1,000.123", "1.000,123"

2. Volume: Maximum 4 digits of precision allowed:
   examples: valid - "1000.1234" invalid - "1,000.1234", "1.000,1234"

Data Element Summary

Data Element	Component Element	Name		Attributes		
6311		**MEASUREMENT ATTRIBUTE CODE**		**M**	**1**	**an..3**
		Code specifying the measurement attribute.				
		Supplied Values:				
		AAE	Measurement			
			[6314] Value of the measured unit.			
C502		**MEASUREMENT DETAILS**		**M**	**1**	
		Identification of measurement type.				
	6313	**Measured attribute code**		**M**		**an..3**
		Code specifying the attribute measured.				
		Supplied Values:				
		AAF	Net net weight			
			[6048] Weight (mass) of the goods themselves without			

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			any packing. AAX Net volume The observed volume after adjustment for factors such as temperature or gravity. AEO Radioactivity Activity of radioactive material. ZZZ Mutually defined Concentration of Acid			
Not Used		**6321**	**Measurement significance, coded** Refer to D.99B Data Element Dictionary for acceptable code values.	**C**		**an..3**
Not Used		**6155**	**Non-discrete measurement name code** Refer to D.99B Data Element Dictionary for acceptable code values.	**C**		**an..17**
Not Used		**6154**	**Non-discrete measurement name**	**C**		**an..70**
	C174		**VALUE/RANGE** Measurement value and relevant minimum and maximum values of the measurement range.	**M**	**1**	
		6411	**Measurement unit code** Code specifying the unit of measurement. Supplied Values: For Weight KGM = Kilograms LBR = Pounds For Volume (other than liquid) FTQ= Cubic feet MTQ=Cubic meters For Volume (liquid) GAL= Gallons LTR=Liters For Radioactivity MBQ = Mega Becquerels For Acid Concentration (hydrochloric, sulfuric, nitric) PIW = Percentage of acid vs. water	**M**		**an..3**
		6314	**Measurement value** Value of the measured unit.	**M**		**an..18**
Not Used		**6162**	**Range minimum**	**C**		**n..18**
Not Used		**6152**	**Range maximum**	**C**		**n..18**
Not Used		**6432**	**Significant digits**	**C**		**n..2**
Not Used	**7383**		**SURFACE/LAYER CODE** Refer to D.99B Data Element Dictionary for acceptable code values.	**C**	**1**	**an..3**

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Group: **SGP** **Segment Group 30: Split Goods Placement**
Position: 1210
Group: Segment Group 27 (Dangerous Goods) Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 999
Purpose: A group of segments to specify the distribution of the dangerous goods among the transport equipment.

Segment Summary

Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
1220	SGP	Split Goods Placement	M	1	
1230		Segment Group 31: Measurements	C		2

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Segment: **SGP** **Split Goods Placement**
Position: 1220 (Trigger Segment)
Group: Segment Group 30 (Split Goods Placement) Conditional (Optional)
Level: 3
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify the equipment in which the dangerous goods are transported.

Notes:
SGP+AAAA1234567+24
or
SGP+01+24

This segment is not supported in the IFTMBC Transaction.

This segment may only be sent when DGS segment is filled.

Container number (C237,8260) will have been referenced in the preceding GID/SGP segment in which the dangerous commodity appears.

The SGP segment is used to indicate the specific container in which a specific quantity of dangerous commodity is loaded.

This segment will not be processed if received in Cancellation (0020 BGM 1225 = 1) transactions from the customer.

Notes:
- in the case of Split Goods (same dangerous commodity within multiple containers), the SGP segment will repeat within the DGS group for each container.
- Each distinct container number listed in an SGP (composite element C237 8260) will have a matching container number in an EQD segment.

Data Element Summary

	Data Element	Component Element	Name	Attributes		
	C237		**EQUIPMENT IDENTIFICATION**	**M**	**1**	
			Marks (letters/numbers) identifying equipment.			
		8260	**Equipment identification number**	**M**		**an..17**
			Marks (letters and/or numbers) which identify equipment e.g. unit load device.			
Not Used		**1131**	**Code list identification code**	**C**		**an..3**
			Refer to D.99B Data Element Dictionary for acceptable code values.			
Not Used		**3055**	**Code list responsible agency code**	**C**		**an..3**
			Refer to D.99B Data Element Dictionary for acceptable code values.			
Not Used		**3207**	**Country name code**	**C**		**an..3**
	7224		**NUMBER OF PACKAGES**	**C**	**1**	**n..8**
			Number of individual parts of a shipment either unpacked, or packed in such a way that they cannot be divided without first undoing the packing.			
			Number of packages of dangerous commodity in container (must be a valid whole number with no decimal or commas).			

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Group: **MEA** **Segment Group 31: Measurements**
Position: 1230
Group: Segment Group 30 (Split Goods Placement) Conditional (Optional)
Level: 4
Usage: Conditional (Optional)
Max Use: 2
Purpose: A group of segments to identify dangerous goods measurements.

Segment Summary

Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
1240	MEA	Measurements	M	1	

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Segment: **MEA** **Measurements**
Position: 1240 (Trigger Segment)
Group: Segment Group 31 (Measurements) Conditional (Optional)
Level: 4
Usage: Mandatory
Max Use: 1
Purpose: A segment to specify measurements of that portion of the dangerous goods in the equipment.
Notes:
MEA+AAE+AAF+KGM:3000.135
or
MEA+AAE+AAX+MTQ:30.5135
or
MEA+AAE+AAX+LTR:148.457

Weight and/or volume of dangerous commodity specified in DGS segment that is loaded in container referenced in the DGS/SGP segment.

Only one Volume and Weight measurement will be transmitted per SGP loop.

This segment will not be processed if received in Cancellation (0020 BGM 1225 = 1) transactions from the customer.

Weight and volume values must conform to below rules:

- Decimal will be represented using the dot ('.').
- Group separators will not be sent.

1. Weight: Maximum 3 digits of precision allowed:
   examples: valid - "1000.123" invalid - "1,000.123", "1.000,123"

2. Volume: Maximum 4 digits of precision allowed:
   examples: valid - "1000.1234" invalid - "1,000.1234", "1.000,1234"

Data Element Summary

Data Element	Component Element	Name		Attributes		
6311		**MEASUREMENT ATTRIBUTE CODE**		**M**	**1**	**an..3**
		Code specifying the measurement attribute.				
		Supplied Values:				
		AAE	Measurement [6314] Value of the measured unit.			
C502		**MEASUREMENT DETAILS**		**M**	**1**	
		Identification of measurement type.				
	6313	**Measured attribute code**		**M**		**an..3**
		Code specifying the attribute measured.				
		Supplied Values:				
		AAF	Net net weight [6048] Weight (mass) of the goods themselves without any packing.			
		AAX	Net volume The observed volume after adjustment for factors such as temperature or gravity.			
Not Used	**6321**	**Measurement significance, coded**		**C**		**an..3**

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			Refer to D.99B Data Element Dictionary for acceptable code values.			
Not Used		**6155**	**Non-discrete measurement name code**	**C**		**an..17**
			Refer to D.99B Data Element Dictionary for acceptable code values.			
Not Used		**6154**	**Non-discrete measurement name**	**C**		**an..70**
	C174		**VALUE/RANGE**	**M**	**1**	
			Measurement value and relevant minimum and maximum values of the measurement range.			
		6411	**Measurement unit code**	**M**		**an..3**
			Code specifying the unit of measurement.			
			Supplied Values: For Weight KGM = Kilograms LBR = Pounds For Volume (other than liquid): FTQ= Cubic feet MTQ=Cubic meters For Volume (liquid): GAL= Gallons LTR=Liters			
		6314	**Measurement value**	**M**		**an..18**
			Value of the measured unit.			
Not Used		**6162**	**Range minimum**	**C**		**n..18**
Not Used		**6152**	**Range maximum**	**C**		**n..18**
Not Used		**6432**	**Significant digits**	**C**		**n..2**
Not Used	**7383**		**SURFACE/LAYER CODE**	**C**	**1**	**an..3**
			Refer to D.99B Data Element Dictionary for acceptable code values.			

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Group: **EQD** **Segment Group 32: Equipment Details**
Position: 1260
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 999
Purpose: A group of segments to specify equipment in which goods are transported.

Segment Summary

Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
1270	EQD	Equipment Details	M	1	
1280	EQN	Number of Units	M	1	
1290	TMD	Transport Movement Details	M	1	
1300	MEA	Measurements	C	7	
1310	DIM	Dimensions	C	1	
1330	HAN	Handling Instructions	C	1	
1340	TMP	Temperature	C	1	
1350	FTX	Free Text	C	20	
1360	RFF	Reference	C	9	
1370		Segment Group 33: Name and Address	C		9

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Segment: **EQD** **Equipment Details**
Position: 1270 (Trigger Segment)
Group: Segment Group 32 (Equipment Details) Conditional (Optional)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment to specify equipment, and equipment size and type used in the transport.
Notes:
EQD+CN++22G0:102:5+2
or
EQD+CN+XXXX1234567:146:ZZZ+42G0:102:5:CONTAINER DESCRIPTION+2++5
or
EQD+CN+01:230:ZZZ+22G0:102:5+2

This segment is MANDATORY for Booking Request (0020 BGM 1225 = 9) and Amendment (0020 BGM 1225 = 4) transactions.

Equipment Identification Numbers (C237, 8260) will be unique per transaction.

INTTRA RECOMMENDS that customers send equipment supplier.

This segment will not be processed if received in Cancellation (0020 BGM 1225 = 1) transactions from the customer.

Notes:
- If GID/SGP segment is sent there will be an EQD segment with a matching equipment identification number (C237, 8260).

Data Element Summary

Data Element	Component Element	Name	Attributes
8053		**EQUIPMENT TYPE CODE QUALIFIER**	**M 1 an..3**
		Code qualifying a type of equipment.	
		Supplied Values:	
		CN Container	
		Equipment item as defined by ISO for transport. It must be of: A) permanent character, strong enough for repeated use; B) designed to facilitate the carriage of goods, by one or more modes of transport, without intermediate reloading; C) fitted with devices for its ready handling, particularly.	
C237		**EQUIPMENT IDENTIFICATION**	**C 1**
		Marks (letters/numbers) identifying equipment.	
	8260	**Equipment identification number**	**M an..17**
		Marks (letters and/or numbers) which identify equipment e.g. unit load device.	
	1131	**Code list identification code**	**M an..3**
		Identification of a code list.	
		Supplied Values:	
		146 Means of transport identification	
		Code identifying the name or number of a means of transport (vessel, vehicle).	
		Actual Container Number	
		230 Entity relationship	
		Identifies a code list of entity relationships.	

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			Logical Container Number			
		3055	**Code list responsible agency code**	**M**		**an..3**
			Code specifying the agency responsible for a code list.			
			Supplied Values:			
			ZZZ Mutually defined			
			Defined by INTTRA.			
Not Used		**3207**	**Country name code**	**C**		**an..3**
	C224		**EQUIPMENT SIZE AND TYPE**	**M**	**1**	
			Code and or name identifying size and type of equipment. Code preferred.			
		8155	**Equipment size and type description code**	**M**		**an..10**
			Code specifying the size and type of equipment.			
			See Equipment Type Code List Supplement of this document for a list of ISO Container Group codes and all ISO Container Type codes supported in the INTTRA Link Booking 2.0 application. Container ISO codes may be converted to ISO Group codes when Booking 2.0 transactions are displayed on INTTRA Act or INTTRA Desktop and prior to their transmission under Customer or Carrier preference control. Set temperature (segment TMP) or non-active flag (segment HAN) will always be sent for any container designated as a reefer. Set temperature (segment TMP) or non-active flag (segment HAN) may also be sent for containers designated as Hybrid (e.g. tanks). There are another 3 codes to add - we are waiting to receive them from the carriers - see Liam There are another 3 codes to add - we are waiting to receive them from the carriers - see Liam			
		1131	**Code list identification code**	**M**		**an..3**
			Identification of a code list.			
			Supplied Values:			
			102 Size and type			
		3055	**Code list responsible agency code**	**M**		**an..3**
			Code specifying the agency responsible for a code list.			
			Supplied Values:			
			5 ISO (International Organization for Standardization)			
		8154	**Equipment size and type description**	**C**		**an..35**
			Free form description of the size and type of equipment.			
			Used for container description.			
	8077		**EQUIPMENT SUPPLIER, CODED**	**C**	**1**	**an..3**
			To indicate the party that is the supplier of the equipment.			
			Supplied Values:			
			1 Shipper supplied			
			The transport equipment is supplied by the shipper.			
			2 Carrier supplied			
			The transport equipment is supplied by the carrier.			
Not Used	**8249**		**EQUIPMENT STATUS CODE**	**C**	**1**	**an..3**
			Refer to D.99B Data Element Dictionary for acceptable code values.			
	8169		**FULL/EMPTY INDICATOR, CODED**	**C**	**1**	**an..3**
			To indicate the extent to which the equipment is full or empty.			
			This indicator is to reflect the status of the container when shipped.			

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Supplied Values:	
4	Empty
5	Full

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Segment: **EQN** **Number of Units**
Position: 1280
Group: Segment Group 32 (Equipment Details) Conditional (Optional)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment to specify number of pieces of equipment required.
Notes: EQN+1:2

Count of Containers must be a whole number.

This segment is MANDATORY for Booking Request (0020 BGM 1225 = 9) and Amendment (0020 BGM 1225 = 4) transactions.

If container number (EQD composite element C237, 8260) is provided then number of units (C523, 6350) will be 1.

This segment will not be processed if received in Cancellation (0020 BGM 1225 = 1) transactions from the customer.

Data Element Summary

Data Element	Component Element	Name	Attributes	
C523		**NUMBER OF UNIT DETAILS**	**M**	**1**
		Identification of number of units and its purpose.		
	6350	**Number of units**	**M**	**n..15**
		Number of units of a certain type.		
		Note: Must be a valid whole number (no commas or decimals).		
	6353	**Unit type code qualifier**	**M**	**an..3**
		Code qualifying the type of unit.		
		2 Transportable unit		
		Container(s)		

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Segment: **TMD** **Transport Movement Details**
Position: 1290
Group: Segment Group 32 (Equipment Details) Conditional (Optional)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment to specify transport movement details for the equipment.
Notes: TMD+3++CC

This segment is MANDATORY for Booking Request (0020 BGM 1225 = 9) and Amendment (0020 BGM 1225 = 4) transactions.

Haulage Arrangement Code (8341) will be the same for all TMD segments in the transaction.

INTTRA RECOMMENDS to customers that Movement Type Description Code (C219,8335) be the same for TMD segments in the transaction.

If number of containers (EQN, C523, 6350) is greater than 1, the information in this segment applies to all containers in the group.

This segment will not be processed if received in Cancellation (0020 BGM 1225 = 1) transactions from the customer.

Data Element Summary

	Data Element	Component Element	Name		Attributes		
	C219		**MOVEMENT TYPE**	**C**	**1**	
			Description of type of service for movement of cargo.			
		8335	**Movement type description code**	**C**		**an..3**
			Code specifying a type of movement.			
			Supplied Values:			
			3 FCL/FCL Defines the movement of cargo packed by the shipper or shipper's agent and unpacked by the consignee or consignee's agent. 'FCL' means Full Container Load.			
			4 FCL/LCL Defines the movement of cargo packed by the shipper or shipper's agent and unpacked by the carrier. 'FCL' means Full Container Load. 'LCL' means Less than Container Load.			
Not Used		**8334**	**Movement type description**	**C**		**an..35**
Not Used	**8332**		**EQUIPMENT PLAN**	**C**	**1**	**an..26**
	8341		**HAULAGE ARRANGEMENTS, CODED**	**M**	**1**	**an..3**
			Specification of the type of equipment haulage arrangements.			
			Supplied Values:			
			CC Carrier haulage at export, Carrier haulage at import			
			CM Carrier haulage at export, Merchant haulage at import			
			MC Merchant haulage at export, Carrier haulage at import			
			MM Merchant haulage at export, Merchant haulage at import			

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Segment: **MEA** **Measurements**
Position: 1300
Group: Segment Group 32 (Equipment Details) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 7
Purpose: A segment to specify measurements, other than dimensions, associated with the equipment, such as weight.
Notes:

MEA+AAE+AAL+KGM:18160.089
or
MEA+AAE+AAX+MTQ:108.879
or
MEA+AAE+AAS+CBM:324.25
or
MEA+AAE+AAO+HMD:34.2
or
MEA+AAE+ZO+PCT:14.21

Net weight and net volume will be total measurements for all container(s) in the EQD group. Humidity, Airflow and Atmosphere settings apply to each container in the EQD segment.

INTTRA RECOMMENDS that Customers provide at a minimum one of the following weight measurements in Booking Request (0020 BGM 1225 = 9) and Amendment (0020 BGM 1225 = 4) transactions;

- Outer Pack GID commodity weight (0860 MEA segment).
- SGP container weight (1100 MEA segment).
- Container weight (provided in this segment).

Only one measurement each of Volume, Weight, Humidity, Airflow, Carbon Dioxide Level, Nitrogen Level and Oxygen Level will be sent per EQD loop.

INTTRA RECOMMENDS that customers provide oxygen, nitrogen, carbon dioxide measurements when Equipment Controlled Atmosphere flag is sent (EQD/FTX 4451 = AEB) and (EQD/FTX C107, 4441 = ECA).

INTTRA RECOMMENDS that customers provide Humidity measurement when Humidity flag is sent (EQD/FTX 4451 = AEB and EQD/FTX C107, 4441 = HUM).

INTTRA RECOMMENDS that customers provide Air Flow measurement when Vent Open flag is sent (EQD/FTX 4451 = AEB and EQD/FTX C107, 4441 = VTO).

This segment will not be processed if received in Cancellation (0020 BGM 1225 = 1) transactions from the customer.

All weight, volume, air flow, humidity and atmosphere (oxygen, nitrogen, carbon dioxide) values will conform to below rules:

- Decimal will be represented using the dot ('.').
- Group separators will not be sent.

1. Air flow, Humidity and Atmosphere: Maximum 2 digits of precision allowed:
   examples: valid - "1000.12" invalid - "1,000.12", "1.000,12"

2. Weight: Maximum 3 digits of precision allowed:

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examples: valid - "1000.123" invalid - "1,000.123", "1.000,123"

3. Volume: Maximum 4 digits of precision allowed:
examples: valid - "1000.1234" invalid - "1,000.1234", "1.000,1234"

Data Element Summary

Data Element	Component Element	Name		Attributes		
6311		**MEASUREMENT ATTRIBUTE CODE**		**M**	**1**	**an..3**
		Code specifying the measurement attribute.				
		Accepted Values:				
		AAE	Measurement			
			[6314] Value of the measured unit.			
C502		**MEASUREMENT DETAILS**		**M**	**1**	
		Identification of measurement type.				
	6313	**Measured attribute code**		**M**		**an..3**
		Code specifying the attribute measured.				
		Supplied Values:				
		AAL	Net weight			
			[6160] Weight (mass) of goods including any packing normally going with them to a buyer in a retail sale. Total weight of commodity(s) in the container(s).			
		AAO	Humidity			
			Humidity per container.			
		AAS	Air flow			
			Airflow per container.			
		AAX	Net volume			
			The observed volume after adjustment for factors such as temperature or gravity. Total volume of commodity(s) in the container(s).			
		ZC	Carbon			
			Carbon Dioxide Gas Level			
		ZN	Nitrogen			
			Nitrogen Gas Level			
		ZO	Oxygen			
			Oxygen Gas Level			
Not Used	**6321**	**Measurement significance, coded**		**C**		**an..3**
		Refer to D.99B Data Element Dictionary for acceptable code values.				
Not Used	**6155**	**Non-discrete measurement name code**		**C**		**an..17**
		Refer to D.99B Data Element Dictionary for acceptable code values.				
Not Used	**6154**	**Non-discrete measurement name**		**C**		**an..70**
C174		**VALUE/RANGE**		**M**	**1**	
		Measurement value and relevant minimum and maximum values of the measurement range.				
	6411	**Measurement unit code**		**M**		**an..3**
		Code specifying the unit of measurement.				
		Supplied Values: For Weight:				

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			KGM = Kilograms LBR = Pounds For Volume: FTQ = Cubic Feet MTQ = Cubic Meters Air Flow: CBM = Cubic Meters per Hour CFT = Cubic Feet per Hour Humidity: HMD = Percent of Moisture in the Air Atmosphere (ZO oxygen, ZN nitrogen, ZC carbon dioxide) : PCT = Percent			
		6314	**Measurement value** Value of the measured unit.	**M**		**an..18**
			Used to indicate the Weight, Volume, Humidity, Atmosphere, or Airflow.			
Not Used		**6162**	**Range minimum**	**C**		**n..18**
Not Used		**6152**	**Range maximum**	**C**		**n..18**
Not Used		**6432**	**Significant digits**	**C**		**n..2**
Not Used	**7383**		**SURFACE/LAYER CODE** Refer to D.99B Data Element Dictionary for acceptable code values.	**C**	**1**	**an..3**

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Segment: **DIM** **Dimensions**
Position: 1310
Group: Segment Group 32 (Equipment Details) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 1
Purpose: A segment to specify dimensions applicable to equipment.
Notes: DIM+9+MTR:36.5:3.65:5.48

If number of containers (EQN, C523, 6350) is greater than 1, the information in this segment applies to all containers in the group.

The segment is intended to indicate the amount by which the commodity exceeds the container dimensions.

INTTRA RECOMMENDS that customers send this segment only if commodity is OOG.

INTTRA RECOMMENDS that customers send the OOG Flag in the GDS segment when an Out Of Gauge cargo is indicated in this segment.

This segment will not be processed if received in Cancellation (0020 BGM 1225 = 1) transactions from the customer.

All numeric values will conform to below rules:

- Decimal will be represented using the dot ('.').
- Group separators will not be sent.

1. Length, Width, Height: Maximum 3 digits of precision allowed:
examples: valid - "1000.123" invalid - "1,000.123", "1.000,123"

Data Element Summary

Data Element	Component Element	Name		Attributes		
6145		**DIMENSION QUALIFIER**		**M**	**1**	**an..3**
		To specify the dimensions applicable to each of the transportable units.				
		Supplied Values:				
		9	Off-standard dimension general The dimensions that the cargo exceeds the standard dimensions.			
C211		**DIMENSIONS**		**M**	**1**	
		Specification of the dimensions of a transportable unit.				
	6411	**Measurement unit code**		**M**		**an..3**
		Code specifying the unit of measurement.				
		If this element is populated then at least one of the following will also be sent, (C211, 6168), (C211, 6140), or (C211, 6008). Supplied Values:				
		FET	Feet			
		MTR	Meters			
	6168	**Length dimension**		**C**		**n..15**
		Length of pieces or packages stated for transport purposes.				
	6140	**Width dimension**		**C**		**n..15**

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Width of pieces or packages stated for transport purposes.

6008	**Height dimension**	**C**	**n..15**

Height of pieces or packages stated for transport purposes.

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Segment: **HAN** **Handling Instructions**
Position: 1330
Group: Segment Group 32 (Equipment Details) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 1
Purpose: A segment to specify handling instructions for specified equipment.
Notes: HAN+NAR

If number of containers (EQN, C523, 6350) is greater than 1, the information in this segment applies to all containers in the group.

This segment will only be provided when reefer or hybrid (e.g. tanks) container type is identified in the EQD segment (EQD C224, 8155) and temperature regulation unit is not active (no set temperature provided (no TMP segment)).

This segment will not be processed if received in Cancellation (0020 BGM 1225 = 1) transactions from the customer.

Data Element Summary

Data Element	Component Element	Name		Attributes	
C524		**HANDLING INSTRUCTIONS**	**M**	**1**	
		Instruction for the handling of goods, products or articles in shipment, storage etc.			
	4079	**Handling instructions, coded**	**M**		**an..3**
		Identification of the instructions on how specified goods, packages or containers should be handled.			
		Supplied Values:			
		NAR Non-Active Reefer			
		Indicates that a reefer or hybrid container is to be moved without the refrigeration unit being activated.			
Not Used	**1131**	**Code list identification code**	**C**		**an..3**
Not Used	**3055**	**Code list responsible agency code**	**C**		**an..3**
		Refer to D.99B Data Element Dictionary for acceptable code values.			
Not Used	**4078**	**Handling instructions**	**C**		**an..70**
Not Used	**C218**	**HAZARDOUS MATERIAL**	**C**	**1**	
		To specify a hazardous material.			
Not Used	**7419**	**Hazardous material class code, identification**	**C**		**an..4**
		Code specifying the kind of hazard for a material.			
Not Used	**1131**	**Code list identification code**	**C**		**an..3**
		Identification of a code list. Refer to D.99B Data Element Dictionary for acceptable code values. Refer to D.99B Data Element Dictionary for acceptable code values.			
Not Used	**3055**	**Code list responsible agency code**	**C**		**an..3**
		Code specifying the agency responsible for a code list. Refer to D.99B Data Element Dictionary for acceptable code values. Refer to D.99B Data Element Dictionary for acceptable code values.			
Not Used	**7418**	**Hazardous material class**	**C**		**an..35**
		To specify the kind of hazard for a material.			

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Segment: **TMP** **Temperature**
Position: 1340
Group: Segment Group 32 (Equipment Details) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 1
Purpose: A segment to specify a temperature setting for the equipment.
Notes: TMP+2+02.3:CEL

INTTRA RECOMMENDS that set temperature (C239, 6411) be the same for all TMP segments in the transaction. However, if different temperatures are sent in the TMP segments, transaction will be processed provided that the carrier is configured to accept multiple temperatures. If the carrier is not configured to accept multiple temperature settings, the transaction will be failed.

This segment will always be provided for reefer containers specifically identified by equipment type code (EQD, C224, 8155) if the temperature control unit is to be active.

This segment may also be provided for hybrid containers (e.g. tanks) specifically identified by equipment type code (EQD C224, 8155) if the temperature control unit is to be active.

If number of containers (EQN, C523, 6350) is greater than 1, the information in this segment applies to all equipment in the group.

INTTRA RECOMMENDS customers not mix active and non-active settings for reefer or hybrid (.e.g. tanks) containers on a single booking.

This segment will not be processed if received in Cancellation (0020 BGM 1225 = 1) transactions from the customer.

Temperature is stored at INTTRA as provided by the customer.

See appendix 4 for detailed instructions and examples of Controlled Equipment Detail format.

Set Temperature will conform to below rules:

- Decimal will be represented using the dot ('.').
- Temperature values will not include group separators.
- Temperature will contain 3 valid Numeric Digits, and may also contain a decimal and minus sign ('-').
- Maximum Precision of Temperature is 1.
- Negative Temperature will include a Minus sign ('-') and it will be in the first position of the element.
- Positive Temperature will be Unsigned.

Valid examples:
005, -005, -05.5, 55.2, 45.0

Invalid examples:
1, -5, -05, 5.5, 23-, 35, .3, 5.04, +045

Data Element Summary

Data Element	Component Element	Name	Attributes

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6245		**TEMPERATURE QUALIFIER**	**M**	**1**	**an..3**
		A code giving specific meaning to the temperature.			
		Supplied Values:			
		2 Transport temperature The temperature at which cargo is to be kept while it is under transport. Set Temperature			
C239		**TEMPERATURE SETTING**	**M**	**1**	
		The temperature under which the goods are (to be) stored or shipped.			
	6246	**Temperature Setting**	**M**		**n3**
		The actual temperature value in degrees Celsius (e.g. 008, 020).			
	6411	**Measurement unit code**	**M**		**an..3**
		Code specifying the unit of measurement.			
		Supplied Values:			
		CEL Celsius			
		FAH Fahrenheit			

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Segment: **FTX** **Free Text**
Position: 1350
Group: Segment Group 32 (Equipment Details) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 20
Purpose: A segment to specify processable supplementary information associated with the equipment.
Notes:

FTX+AGK+++EQUIPMENT COMMENTS
or
FTX+SSR++FMG:130:ZZZ
or
FTX+SSR++CLN:130:ZZZ
or
FTX+AEB+++REEFER COMMENTS
or
FTX+HAN++SAD:130:ZZZ
or
FTX+AEB++NTP:130:ZZZ+6
or
FTX+CUS++UCN:110:ZZZ+857_2938476
or
FTX+AEB++ECA:130:ZZZ
or
FTX+AEB++ICT:130:ZZZ
or
FTX+AEB++HUM:130:ZZZ

Only 1 segment per EQD loop will be sent with Text Subject Code Qualifier of AGK.

Only 10 segments per EQD loop will be sent with Text Subject Code Qualifier of AEB; 1 with Free Text Value Code not populated and 9 each containing only 1 of Free text Value Code ECA, FRZ, GEN, HUM, ICP, ICT, NTP, TVA and (VTC or VTO).

Only 2 segments per EQD loop will be sent with Text Subject Code Qualifier of CUS containing 1 of Free Text Value Code CCN or UCN.

Only 1 segment per EQD loop will be sent with Text Subject Code Qualifier of HAN containing 1 of Free Text Value Code SAD or SBD.

Only 6 segments per EQD loop will be sent with Text Subject Code Qualifier of SSR each containing only 1 of Free Text Value Code CLN, FGE, FMG, GOH, HTE or SWP.

Text subject AEB (temperature control instructions) will only be sent when a reefer or hybrid (e.g. tank) container type is requested (1270 EQD C224, 8155) and a set temperature has been supplied (1340 TMP C239, 6246) in the container group (EQD loop).

Text subject CUS may appear at other levels in the transaction. CCN and UCN will only appear at one level of the transaction.

If number of containers (EQN, C523, 6350) is greater than 1, the information in this segment applies to all containers in the group.

INTTRA RECOMMENDS customers supply EV (subcontractor, 1380 NAD) information when Super Freezer Service or In-Transit Cold Sterilization is requested and

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is to be supplied by someone other than the ocean carrier.

This segment will not be processed if received in Cancellation (0020 BGM 1225 = 1) transactions from the customer.

Data Element Summary

	Data Element	Component Element	Name		Attributes		
	4451		**TEXT SUBJECT CODE QUALIFIER**		**M**	**1**	**an..3**
			Code specifying the subject of the text.				
			Supplied Values:				
			AEB	Temperature control instructions Instruction regarding the temperature control of the cargo.			
			AGK	Equipment Description of equipment. Used to indicate equipment comments (for information purposes only).			
			CUS	Customs declaration information Note contains customs declaration information.			
			HAN	Handling instructions [4078] Instructions on how specified goods, packages or containers should be handled.			
			SSR	Special service request Request for a special service concerning the transport of the goods.			
Not Used	**4453**		**TEXT FUNCTION, CODED**		**C**	**1**	**an..3**
			Refer to D.99B Data Element Dictionary for acceptable code values.				
	C107		**TEXT REFERENCE**		**C**	**1**	
			Coded reference to a standard text and its source.				

NTP (number of temperature probes requested), TVA (temperature variance), GEN (genset required), FRZ (super freezer service), ECA (equipment controlled atmosphere), ICT (in-transit cold sterilization), HUM (humidity) will only be sent when a reefer or hybrid (e.g., tank) container type is requested (1270 EQD C224, 8155) and a set temperature has been supplied (1340 TMP C239, 6246) in the container group (EQD loop).

INTTRA RECOMMENDS customers only send ICP (number of USD probes) when ICT (in transit cold sterilization flag) is also provided.

INTTRA RECOMMENDS to customers when ECA (equipment controlled atmosphere flag) is provided that customers send carbon dioxide, nitrogen, and oxygen gas measurements (1300 MEA C502, 6313 = ZC, ZN and ZO).

INTTRA RECOMMENDS to customers when HUM (humidity flag) is provided that customers send humidity measurement (1300 MEA C502, 6313 = AAO).

INTTRA RECOMMENDS to customers when VTO (vent open flag) is provided that customers send air flow measurement (1300 MEA C502, 6313 = AAS).

VTC (vent closed) and VTO (vent open) are mutually exclusive.

SAD (stow above deck) and SBD (stow below deck) are mutually exclusive.

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	ECA (equipment controlled atmosphere) and VTO (vent open) are mutually exclusive.		
4441	**Free text value code**	**M**	**an..17**
	Code specifying free form text.		
	Supplied Values:		
	CCN	Canadian Cargo Control Number	
		Typically provided by the Carrier for use by registered Forwarders in Supplementary Cargo Reports filed with CBSA in Canada. Will only be sent when Text Subject Code Qualifier (4451) = CUS.	
	CLN	Equipment must be cleaned	
		Will only be sent when Text Subject Code Qualifier (4451) = SSR.	
	ECA	Equipment Controlled Atmosphere	
		Will only be sent when Text Subject Code Qualifier (4451) = AEB.	
	FGE	Food grade equipment requested	
		Will only be sent when Text Subject Code Qualifier (4451) = SSR.	
	FMG	Fumigation is required	
		Will only be sent when Text Subject Code Qualifier (4451) = SSR.	
	FRZ	Super Freezer Service	
		Will only be sent when Text Subject Code Qualifier (4451) = AEB.	
	GEN	Genset Required	
		Will only be sent when Text Subject Code Qualifier (4451) = AEB.	
	GOH	Garment On Hanger	
		Will only be sent when Text Subject Code Qualifier (4451) = SSR.	
	HTE	Heavy weight tested equipment requested	
		Will only be sent when Text Subject Code Qualifier (4451) = SSR.	
	HUM	Humidify	
		Will only be sent when Text Subject Code Qualifier (4451) = AEB.	
	ICP	Number of USD Probes for ICT Service	
		Will only be sent when Text Subject Code Qualifier (4451) = AEB.	
	ICT	In Transit Cold Sterilization	
		Will only be sent when Text Subject Code Qualifier (4451) = AEB.	
	NTP	Number of temperature probes requested	
		Will only be sent when Text Subject Code Qualifier (4451) = AEB.	
	SAD	Stow above deck	
		Will only be sent when Text Subject Code Qualifier (4451) = HAN.	
	SBD	Stow below deck	

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		Will only be sent when Text Subject Code Qualifier (4451) = HAN.
	SWP	Equipment must be swept
		Will only be sent when Text Subject Code Qualifier (4451) = SSR.
	TVA	Temperature Variance
		Will only be sent when Text Subject Code Qualifier (4451) = AEB.
	UCN	Customs Export Declaration Unique Consignment Reference (DUCR)
		Typically provided by the Exporter or its Agent for shipments departing Great Britain. Will only be sent when Text Subject Code Qualifier (4451) = CUS.
	VTC	Vent Closed
		Will only be sent when Text Subject Code Qualifier (4451) = AEB.
	VTO	Vent Open
		Will only be sent when Text Subject Code Qualifier (4451) = AEB.
1131	**Code list identification code**	**M** **an..3**
	Identification of a code list.	
	Supplied Values:	
	110	Customs special codes
		Customs code to indicate an exemption to a regulation or a special Customs treatment.
		Will always be sent when Text Subject Code Qualifier (4451) = CUS and Free Text Value Code (C107,4441) = UCN or CCN.
	130	Special handling
		Code to indicate that the nature of the consignment may necessitate use of special handling procedures (IATA).
		Used only in conjunction with free text value codes (C107,4441) CLN, ECA, FGE, FMG, FRZ, GEN, GOH, HTE, HUM, ICT, ICP, NTP, SAD, SBD, SWP, TVA, VTC, and VTO. Will always be sent when Text Subject Code Qualifier (4451) = AEB and Free Text Value Code (C107,4441) = ICP, NTP, TVA, ECA, FRZ, GEN, HUM, ICT, VTC or VTO. or Text Subject Code Qualifier (4451) = HAN and Free Text Value Code (C107,4441) = SAD or SBD. or Text Subject Code Qualifier (4451) = SSR and Free Text Value Code (C107,4441) = CLN, FGE, FMG, GOH, HTE or SWP.
3055	**Code list responsible agency code**	**M** **an..3**
	Code specifying the agency responsible for a code list.	
	Supplied Values:	
	ZZZ	Mutually defined
		Defined by INTTRA

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	C108		**TEXT LITERAL**	**C**	**1**	
			Free text			
		4440	**Free text value**	**M**		**an..512**
			Free form text.			
			This element will only be populated when Text Subject Qualifier (4451) = AEB and Free Text Value Code C107, 4441) is not populated or populated with one of the following codes; ICP NTP or TVA. or When Text Subject Qualifier (4451) = CUS and Free Text Value Code C107, 4441) is populated with one of the following codes; CCN or UCN. or When Text Subject Qualifier (4451) = AGK and Free Text Value Code C107, 4441) is not populated.			
		4440	**Free text value**	**C**		**an..512**
			Free form text.			
			This element may only be populated when Text Subject Qualifier (4451) = AEB or AGK and Free Text Value Code C107, 4441) is not populated.			
Not Used		**4440**	**Free text value**	**C**		**an..512**
Not Used		**4440**	**Free text value**	**C**		**an..512**
Not Used		**4440**	**Free text value**	**C**		**an..512**
Not Used	**3453**		**LANGUAGE NAME CODE**	**C**	**1**	**an..3**
Not Used	**4447**		**TEXT FORMATTING, CODED**	**C**	**1**	**an..3**
			Refer to D.99B Data Element Dictionary for acceptable code values.			

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Segment: **RFF** **Reference**
Position: 1360
Group: Segment Group 32 (Equipment Details) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 9
Purpose: A segment to specify a reference number to equipment.

Notes:
RFF+AEF:CUSTOMER LOAD REFERENCE
or
RFF+ON:PURCHASE ORDER NUMBER

If number of containers (EQN, C523, 6350) is greater than 1, the information in this segment applies to all containers in the group.

Multiple values for Purchase order (ON) , Customer load reference (AEF) and Vehicle Identification Number (AKG) may be provided.

Any reference sent here will not appear at any other level in this transaction.

This segment will not be processed if received in Cancellation (0020 BGM 1225 = 1) transactions from the customer.

Data Element Summary

Data Element	Component Element	Name		Attributes	
C506		**REFERENCE**		**M**	**1**
		Identification of a reference.			
	1153	**Reference function code qualifier**		**M**	**an..3**
		Code giving specific meaning to a reference segment or a reference number.			
		Supplied Values:			
		AEF	Customer process specification number		
			Retrieval number for a process specification defined by customer.		
			Customer Load Reference		
		AKG	Vehicle Identification Number (VIN)		
			The identification number which uniquely distinguishes one vehicle from another through the lifespan of the vehicle.		
		ON	Order number (purchase)		
			[1022] Reference number assigned by the buyer to an order.		
	1154	**Reference identifier**		**M**	**an..35**
		Identifies a reference.			
Not Used	**1156**	**Line number**		**C**	**an..6**
Not Used	**4000**	**Reference version identifier**		**C**	**an..35**
Not Used	**1060**	**Revision number**		**C**	**an..6**

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Group: **NAD** **Segment Group 33: Name and Address**
Position: 1370
Group: Segment Group 32 (Equipment Details) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 9
Purpose:

Segment Summary

Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
1380	NAD	Name and Address	M	1	
1390	DTM	Date/Time/Period	C	2	
1400		Segment Group 34: Contact Information	C		9

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Segment: **NAD** **Name and Address**
Position: 1380 (Trigger Segment)
Group: Segment Group 33 (Name and Address) Conditional (Optional)
Level: 2
Usage: Mandatory
Max Use: 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.
Notes: If number of containers (EQN, C523, 6350) is greater than 1, the information in this segment applies to all containers in the group.

Either Party Code (C082, 3039) or Party Name (C058, 3124) will always be provided.

INTTRA RECOMMENDS customers send Postal Id (3251) and Country code (3207) when party is not coded.

INTTRA will not attempt to derive party codes if not provided by the customer.

With respect to name and address, INTTRA will provide what the customer sent.

For non-INTTRA parties details such as name and address will be sent to the Carrier if provided in the Booking transaction. For INTTRA registered parties, if name and/or address are not sent in the Booking transaction, name and address from INTTRA's database will be provided at Carrier's request (Carrier preference setting).

Only one of each party type will be sent per container group with the exception of Intermediate Export Stop Off Location (CL) which may be sent multiple times.

INTTRA RECOMMENDS customers send Ship from (SF) only when Carrier Haulage at Export is being requested (TMD 8341 = CC or CM).

INTTRA RECOMMENDS customers send Ship to (ST) only when Carrier Haulage at Import is being requested (TMD 8341 = CC or MC).

INTTRA RECOMMENDS customers send Intermediate Export Stop Off (CL) only when Carrier Haulage at Export is being requested (TMD 8341 = CC or CM).

INTTRA RECOMMENDS customers send Empty Container Pick Up Location (CK) only when Merchant Haulage at Export is being requested (TMD 8341 = MM or MC).

INTTRA RECOMMENDS customers send Subcontractor (EV) only when Super Freezer Service or In-Transit Cold Sterilization Service is being provided by someone other than the carrier.

Ship from (SF) Examples.

NAD+SF++SHIP FROM NAME:SHIP FROM ST:NEWARK, DE+++++709509
or
NAD+SF+RWHS34:160:87
or
NAD+SF+DUNS:160:16+SHIP FROM NAME

Ship to (ST) Examples.

NAD+ST+KEJ0989:160:ZZZ+SHIP TO NAME:SHIP TO ADDRS:HAMBURG, GERMANY

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or
NAD+ST+HY790:160:ZZZ

Ship from (SF) and Intermediate export stop off (CL) Examples

NAD+SF++SHIP FROM NAME:SHIP FROM ADDRS:HAMBURG
and
NAD+CL++FIRST STOP:FIRST STOP ADDRESS:HAMBURG
and
NAD+CL++SECOND STOP:SECOND STOP ADDRESS:HAMBURG

Empty container pick up location (CK) Examples

NAD+CK+CARRIER_CD:160:87
or
NAD+CK+809387:160:192+EMPTY PICK UP LOC:TERMINAL ADDRESS
NEWARK, NJ
or
NAD+CK++EMPTY PICK UP LOC:PICK UP ST ADDRESS:ELIZ,NJ++++++US

Subcontractor (EV) Examples

NAD+EV++ITCS PROVIDER:ITCS ADDRESS++++++US
or
NAD+EV++SUPER FREEZER PROVIDER:ITCS ADDRESS++++++US

This segment will not be processed if received in Cancellation (0020 BGM 1225 = 1) transactions from the customer.

Data Element Summary

Data Element	Component Element	Name		Attributes		
3035		**PARTY FUNCTION CODE QUALIFIER**		**M**	**1**	**an..3**
		Code giving specific meaning to a party.				
		Supplied Values:				
		CK	Empty equipment dispatch party Party from whose premises empty equipment will be or has been despatched. Requested Empty container pick up location.			
		CL	Container location party Party from whose premises container will be or has been dispatched. Used for intermediate export stops between SF and POL.			
		EV	Subcontractor Firm carrying out a part of the works for a contractor.			
		SF	Ship from Identification of the party from where goods will be or have been shipped. Door location.			
		ST	Ship to Identification of the party to where goods will be or have been shipped. Door location.			

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	C082		**PARTY IDENTIFICATION DETAILS**	**C**	**1**	
			Identification of a transaction party by code.			
		3039	**Party identifier**	**M**		**an..35**
			Code specifying the identity of a party.			
			If the party is not an INTTRA customer and we are not sending a Duns number or pass through code (element C082, 3055 = ZZZ) this element will not be sent.			
		1131	**Code list identification code**	**M**		**an..3**
			Identification of a code list.			
			If the party is not an INTTRA customer and we are not sending a pass through code (element C082, 3055 = ZZZ) this element will not be sent.			
			Supplied Value:			
			160 Party identification			
			Identification of parties, corporates, etc.			
		3055	**Code list responsible agency code**	**M**		**an..3**
			Code specifying the agency responsible for a code list.			
			Supplied Values:			
			16 US, D&B (Dun & Bradstreet Corporation)			
			Identifies the Dun & Bradstreet Corporation, United States.			
			Duns number Will not be validated by INTTRA.			
			87 Assigned by carrier			
			Codes assigned by the carrier.			
			This code will only be sent if the carrier has an alias stored in INTTRA's system for this company. Otherwise the INTTRA code (192) will be sent if INTTRA registered.			
			192 Shipper's association			
			Code assigned by a shipper's association.			
			INTTRA Assigned Code			
			ZZZ Mutually defined			
			Pass through code. Mutually agreed between Customer and Carrier. Will not be validated by INTTRA.			
	C058		**NAME AND ADDRESS**	**C**	**1**	
			Unstructured name and address: one to five lines.			
		3124	**Name and address line**	**M**		**an..35**
			Free form name.			
		3124	**Name and address line**	**C**		**an..35**
			Free form address 1.			
		3124	**Name and address line**	**C**		**an..35**
			Free form address 2.			
		3124	**Name and address line**	**C**		**an..35**
			Free form address 3.			
		3124	**Name and address line**	**C**		**an..35**
			Free form address 4.			
Not Used	**C080**		**PARTY NAME**	**C**	**1**	
			Identification of a transaction party by name, one to five lines. Party name may			

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			be formatted.			
Not Used		**3036**	**Party name** Name of a party involved in a transaction.	**M**		**an..35**
Not Used		**3036**	**Party name**	**C**		**an..35**
Not Used		**3036**	**Party name**	**C**		**an..35**
Not Used		**3036**	**Party name**	**C**		**an..35**
Not Used		**3036**	**Party name**	**C**		**an..35**
Not Used		**3045**	**Party name format code** Refer to D.99B Data Element Dictionary for acceptable code values.	**C**		**an..3**
	C059		**STREET** Street address	**C**	**1**	
		3042	**Street and number/p.o. box** Free form address 5.	**M**		**an..35**
		3042	**Street and number/p.o. box** Free form address 6.	**C**		**an..35**
Not Used		**3042**	**Street and number/p.o. box**	**C**		**an..35**
Not Used		**3042**	**Street and number/p.o. box**	**C**		**an..35**
Not Used	**3164**		**CITY NAME**	**C**	**1**	**an..35**
Not Used	**C819**		**COUNTRY SUB-ENTITY DETAILS** To specify a part of a country (e.g. county or part of a city).	**C**	**1**	
Not Used		**3229**	**Country sub-entity name code** Identification of the name of sub-entities (state, province) defined by appropriate governmental agencies.	**C**		**an..9**
Not Used		**1131**	**Code list identification code** Refer to D.99B Data Element Dictionary for acceptable code values.	**C**		**an..3**
Not Used		**3055**	**Code list responsible agency code** Refer to D.99B Data Element Dictionary for acceptable code values.	**C**		**an..3**
Not Used		**3228**	**Country sub-entity name**	**C**		**an..35**
	3251		**POSTAL IDENTIFICATION CODE** Code specifying the postal zone or address.	**C**	**1**	**an..17**
	3207		**COUNTRY NAME CODE** Identification of the name of the country or other geographical entity as specified in ISO 3166. Valid 2 Character ISO country code.	**C**	**1**	**an..3**

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Segment: **DTM** **Date/Time/Period**
Position: 1390
Group: Segment Group 33 (Name and Address) Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 2
Purpose: To specify date, and/or time, or period.
Notes: If the number of containers (EQN, C523, 6350) is greater than 1, the information in this segment applies to all containers in the group.

Dates will always be within 400 days of the current date.

If time is sent it is assumed to be local time at the location identified in the preceding NAD segment.

DTM+181+20170903:102
DTM+200+201709041830:203

The above date qualifiers will only be sent when the preceding NAD segment is Ship from (1390 NAD 3035 = SF).

DTM+396+201709121445:203
DTM+200+201709131830:203

The above date qualifiers will only be sent when the preceding NAD segment is Intermediate Export Stop Off location (1380 NAD 3035 = CL).

DTM+2+201708251730:203

The above date qualifier will only be sent when the preceding NAD segment is Ship to (1380 NAD 3035 = ST).

DTM+393+201708130830:203

The above date qualifier will only be sent when the preceding NAD segment is Empty container pick up location (1380 NAD 3035 = CK).

Only one date/time function type (C507, 2005) may be sent per NAD segment with the exception of Ship From (NAD party code qualifier SF) and Intermediate Export Stop Off Location (NAD party code qualifier CL) which may have two.

This segment will not be sent for Subcontractor (NAD party code qualifier EV).

This segment will not be processed if received in Cancellation (0020 BGM 1225 = 1) transactions from the customer.

Data Element Summary

Data Element	Component Element	Name	Attributes	
C507		**DATE/TIME/PERIOD**	**M**	**1**
		Date and/or time, or period relevant to the specified date/time/period type.		
	2005	**Date/time/period function code qualifier**	**M**	**an..3**
		Code giving specific meaning to a date, time or period.		
		Supplied Values:		

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2	Delivery date/time, requested	
	Date on which buyer requests goods to be delivered.	
	Requested delivery date/time of full container.	
181	Positioning date/time of equipment	
	Date/time when equipment is positioned.	
	Requested positioning date/time of empty equipment at door location.	
200	Pick-up/collection date/time of cargo	
	Date/time at which the cargo is picked up.	
	Requested pick-up date/time of container at intermediate export stop off location or ship from location.	
393	Equipment collection or pick-up date/time, planned	
	Date/time on which equipment can be picked up, either full or empty, according to a planning.	
	Requested pick-up date/time of empty equipment.	
396	Equipment positioning date/time, requested	
	Date/time on which equipment is requested to be positioned (delivered).	
	Requested positioning date/time of container at intermediate export stop off location.	

2380 Date/time/period value **M** **an..35**

The value of a date, a date and time, a time or of a period in a specified representation.

2379 Date/time/period format code **M** **an..3**

Code specifying the representation of a date, time or period.

Supplied Values:

102	CCYYMMDD
	Calendar date: C = Century ; Y = Year ; M = Month ; D = Day.
203	CCYYMMDDHHMM
	Calendar date including time with minutes: C=Century; Y=Year; M=Month; D=Day; H=Hour; M=Minutes.
	The twenty-four hour clock system will be used to express time. Time will be expressed and transmitted by means of four figures, the first two denoting the hour past midnight and the last two the minutes past the hour. Examples : 12:45 a.m. is expressed as 0045 12:00 noon is expressed as 1200 11:45 p.m. is expressed as 2345 12:00 midnight is expressed as 0000 1:30 a.m. is expressed as 0130 1:45 p.m. is expressed as 1345 4:30 p.m. is expressed as 1630

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Group: **CTA** **Segment Group 34: Contact Information**
Position: 1400
Group: Segment Group 33 (Name and Address) Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 9
Purpose: A group of segments to identify a contact and its communications related to the party.

Segment Summary

Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
1410	CTA	Contact Information	M	1	
1420	COM	Communication Contact	M	9	

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Segment: **CTA** **Contact Information**
Position: 1410 (Trigger Segment)
Group: Segment Group 34 (Contact Information) Conditional (Optional)
Level: 3
Usage: Mandatory
Max Use: 1
Purpose: A segment to specify a contact name associated with a specified equipment positioning or collection address.
Notes: CTA+AO+:EQUIPMENT CONTACT

This segment is not supported in the IFTMBC Transaction.

Spaces and/or dots alone will not be sent for Contact Name (C056, 3412).

This segment will not be processed if received in Cancellation (0020 BGM 1225 = 1) transactions from the customer.

Data Element Summary

	Data Element	Component Element	Name		Attributes		
	3139		**CONTACT FUNCTION CODE**	**M**	**1**		**an..3**
			Code specifying the function of a contact (e.g. department or person).				
			Supplied Values:				
			AO Plant/equipment contact				
			Department/person to contact for matters regarding plant/equipment.				
	C056		**DEPARTMENT OR EMPLOYEE DETAILS**	**M**	**1**		
			Code and/or name of a department or employee. Code preferred.				
Not Used		**3413**	**Department or employee identification**	**C**			**an..17**
		3412	**Department or employee**	**M**			**an..35**
			The department or person within an organizational entity.				

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Segment: **COM** **Communication Contact**
Position: 1420
Group: Segment Group 34 (Contact Information) Conditional (Optional)
Level: 4
Usage: Mandatory
Max Use: 9
Purpose: A segment to specify a communication number related to the contact.

Notes: COM+973 445 6698:TE

This segment is not supported in the IFTMBC transaction.

This segment will not be processed if received in Cancellation (0020 BGM 1225 = 1) transactions from the customer.

Data Element Summary

Data Element	Component Element	Name	Attributes	
C076		**COMMUNICATION CONTACT**	**M**	**1**
		Communication number of a department or employee in a specified channel.		
	3148	**Communication number**	**M**	**an..512**
		The communication number.		
	3155	**Communication number code qualifier**	**M**	**an..3**
		Code qualifying the communication number.		
		Supplied Values:		
		EM Electronic mail Exchange of mail by electronic means. Email address is subject to validation as outlined in the preamble of this document.		
		FX Telefax Device used for transmitting and reproducing fixed graphic material (as printing) by means of signals over telephone lines or other electronic transmission media. Fax Number Will not be populated with spaces and/or dots alone.		
		TE Telephone Voice/data transmission by telephone. Will not be populated with spaces and/or dots alone.		

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Segment: **UNT** **Message Trailer**
Position: 1490
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: A service segment ending a message, giving the total number of segments in the message (including the UNH & UNT) and the control reference number of the message.
Notes: UNT+25+20

Data Element Summary

Data Element	Component Element	Name	Attributes		
0074		**NUMBER OF SEGMENTS IN A MESSAGE** Control count of number of segments in a message.	**M**	**1**	**n..6**
0062		**MESSAGE REFERENCE NUMBER** Unique message reference assigned by the sender.	**M**	**1**	**an..14**

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Segment: **UNZ** **Interchange Trailer**
Position: 1500
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: To end and check the completeness of an interchange
Notes: UNZ+1+100

Data Element Summary

Data Element	Component Element	Name	Attributes		
0036		**INTERCHANGE CONTROL COUNT** Count either of the number of messages or, if used, of the number of functional groups in an interchange.	**M**	**1**	**n..6**
0020		**INTERCHANGE CONTROL REFERENCE** Unique reference assigned by the sender to an interchange.	**M**	**1**	**an..14**

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XI. Appendix 1 - IFTMBF Use Cases

This appendix shows carriers how to process the IFTMBF message set to extract information on Customer booking requests, amendments, and cancellations, under different use case conditions.

A. Customer AMS Filing

The customer may indicate that they are responsible for AMS filing and provide the SCAC Code under which AMS filing will occur as shown in the Customer Request below.

FTX+CCI++AMS:110:ZZZ
FTX+CCI++NVO:110:ZZZ+NVOCC_SCAC

This information may be provided on the first booking request, or in subsequent amendments. Customers are advised that there is no provision for changing this declaration once it is provided.

B. Requested Booking Office

Customers may indicate that a particular Carrier booking office should handle a booking by using the header location segment as shown below.

LOC+197+BEANR:181:6:ANTWERP

Customers are advised to provide the booking office when it is at a location other than the location at which the cargo will be loaded. Customers must provide a coded location for a requested booking office.

C. Requested Routing and Haulage Service Arrangement

Customers are required to provide the following information on a new booking request and in a booking amendment:

- a valid, coded Place of Receipt in the header LOC
- a valid, coded Place of Delivery in the header LOC
- at least one of
  - Departure date/time, earliest at Place of Receipt
  - Delivery date/time, latest at Place of Delivery
  - Vessel name (or Lloyd's code) and Voyage (both sent in same TDT main-carriage segment).
  - Haulage Service Arrangement code, which must be provided and must be the same for every Equipment Group on the booking

All of this information is also required for an amendment.

Move Type is also required in a Booking Request and in Amendment

D. Specifying Transshipment Location Preferences

Customers may indicate requested Transshipment Ports as follows, in the Header LOC segment (IFTMBF Position 0110):

LOC+75+NLRTM:181:6:ROTTERDAM+NL:162:5

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Customers may indicate to Carriers that they prefer their Booking NOT be transshipped via particular locations, as follows, in the Header LOC segment:

LOC+74+OMSLL:181:6:SALALAH+OM:162:5
LOC+74+SOMGQ:181:6:MOGADISHU+:::SOMALIA

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E. Flagging Special Cargo

INTTRA recommends that Customers provide a header level indicator when requesting bookings for special Cargo. Special Cargo categories defined are: Out of Gauge, Controlled Equipment, Hazardous Cargo and Environmental Pollutant.

GDS+5	Out Of Gauge
GDS+14	Temperature Controlled
GDS+11	Hazardous
GDS+15	Environmental Pollutant

F. Charge Information Provided by the Customer

Customers may provide advisory information about charges in a Booking request or amendment. These advisory charge details are provided under the party responsible for settlement and will contain payment arrangements and may include payment location as shown in the Customer Request example below.

NAD+CZ+3049870:160:87+SHIPPER NAME
CPI+11++P
LOC+57+USNYC:181:6:NEW YORK

In addition, INTTRA provides a special party type, the Freight Payer Party, which may be used to send information about any charges that are not associated with any of the other parties on the Booking. Carriers will always receive advisory information about one or more charges when they receive a Freight Payer Party. The following message sample shows the provision of charges with a Freight Payer Party.

NAD+FP+442566:160:87+FREIGHT PAYER NAME
CPI+4++P
LOC+57+USEWR:181:6:ELIZABETH

NOTE: Carrier confirmation of a Booking Request or Amendment containing advisory charge information does not constitute acceptance of the charges. Similarly, carrier acknowledgement, via the TCC segment, of receipt of advisory charge information does not constitute acceptance of the charge information provided.

G. Customer Provided Transport Plan Details

INTTRA recommends that customers do not typically need to provide a transport plan. However, if the customer provides a plan, INTTRA recommends that it be consistent with the mandatory Place of Receipt and Place of Delivery and that it include at least one complete main carriage leg.

Lack of a main leg, or inconsistencies between the Place of Receipt and Place of Delivery specified in the header LOC and the associated Start and End locations in the Transport Plan will not cause a Customer transaction to fail; however, these inconsistencies will be tracked by INTTRA, as a part of Customer Data Quality Improvement initiatives.

If a transport plan is updated in an Amendment, INTTRA recommends that the entire plan be resent.

H. Customer Specified Equipment Details

Customers are required to provide Equipment details for a New Booking Request and for Booking Amendments.

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I. Customer Provision of Container Numbers

Customers may use logical or actual container numbers to link Split Goods Placement information to requested equipment, as shown in the examples below. Only one type of number maybe provided per container and only one occurrence of a given container number will occur in the Equipment section of a Booking.

Logical

GID+1+2100:CT:67:6
FTX+AAA+++COMMODITY DESCRIPTION
SGP+01+10500
SGP+02+10500

EQD+CN+01:230:ZZZ+22G0:102:5+2
EQN+1:2
EQD+CN+02:230:ZZZ+22G0:102:5+2
EQN+1:2

Actual

EQD+CN+XXXU6756323:146:ZZZ+22G0:102:5+2

J. Requested Merchant Haulage details

Customers provide haulage details for each equipment group specified and indicate haulage arrangements requested for the Export and Import sides of a shipment. The example below shows Merchant haulage at each side and indicates the desired Empty Pick up Depot Address and Pick up date time.

EQD+CN++45G0:102:5+2
EQN+2:2
TMD+3++MM
NAD+CK++EMPTY CONTAINER PICK UP LOCATION:EMPTY PICK UP ADDRESS
DTM+393:20170814:102

K. Requested Carrier Haulage Details

As noted above, Customers provide haulage details for each equipment group specified and indicate haulage arrangements requested for the Export and Import sides of a shipment. The example below shows Carrier haulage at each side and indicates the Ship From Location, the requested empty positioning date at Ship From, requested pick up date at Ship From, as well as the Ship To location.

EQD+CN++45G0:102:5+2
EQN+3:2
TMD+3++CC
NAD+SF++SHIP FROM LOCATION:ADDRESS
DTM+181:201708121330:203
DTM+200:201708121630:203
NAD+ST++SHIP TO LOCATION:ADDRESS

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L. Requested Carrier Haulage Details for Multi Stop Bookings, Export Leg

For unambiguous resolution of multi stop bookings, customers are recommended to use the following conventions when sending data to INTTRA.

By convention, INTTRA expects the sequence in which haulage addresses are sent to match the sequence in which the intermediate stop offs occur on the outbound leg, with the Intermediate Export Stop Off (CL) locations immediately following the Ship From, in order of occurrence.

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The following example shows a request for multi stop haulage on the Export leg.

EQD+CN++45G0:102:5+2
EQN+1:2
TMD+3++CM
NAD+SF++SHIP FROM LOCATION:SHIP FROM ADDRESS
DTM+181:201708110600:203
NAD+CL++FIRST STOP LOCATION:FIRST STOP ADDRESS
DTM+396:201708110900:203
NAD+CL++SECOND STOP LOCATION:SECOND STOP ADDRESS
DTM+396:201708111300:203

In Amendments for bookings with multi-stop haulage arrangements, INTTRA recommends that Customers provide all the legs for all equipment groups, even if only one particular haulage address is being changed.

M. Specifying Controlled Equipment Details

Appendix 4 (Controlled Equipment) in this document contains a comprehensive description of the rules and recommendations for providing controlled equipment information in the IFTMBF message. A few typical use cases are described here.

Customers are recommended to set the header level Controlled Equipment Indicator (GDS) for all Bookings with controlled equipment settings.

GDS+14

Reefer equipment will always be accompanied by a TMP or HAN segment. The same segments may be sent for equipment qualified as Hybrid, e.g., tanks – see the INTTRA Container Types Listing for equipment types classified as Reefer or Hybrid.

A simple reefer example is given below, followed by a simple example of non-operative reefer equipment.

EQD+CN++44R0:102:5+2
EQN+1:2
TMP+2+023:CEL
FTX+AEB+++REEFER COMMENTS

EQD+CN++44R0:102:5+2
EQN+1:2
HAN+NAR

The following chart lists the more specialized Controlled atmosphere conditions that are supported in the INTTRA IFTMBF message and provides illustrative message fragments. Note these conditions require either Reefer or Hybrid equipment, with a TMP setting.

All segments shown here belong to the EQD Segment Group. They are listed in the order in which they appear in the message; intervening segments not related to the illustrated control setting are omitted.

Probe Count	FTX+AEB++NTP:130:ZZZ+4	
Variance	FTX+AEB++TVA:130:ZZZ+002C	
ICT	FTX+AEB++ICT:130:ZZZ FTX+AEB++ICP:130:ZZZ+5	(Indicator) (ICT Probe Count)
Super Freezer	FTX+AEB++FRZ:130:ZZZ	(Indicator)

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	NAD+EV++Superfreezer Subcontractor:Subcontractor Address	
Controlled Atmosphere	MEA+AAE+ZO+PCT:40.34	(Oxygen Gas level)
	FTX+AEB++ECA:130:ZZZ	(Indicator)

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Vent	MEA+AAE+AAS+CBM:22.21 FTX+AEB++VTO:130:ZZZ	(Airflow) (Vent Open)
GENSET Required	FTX+AEB++GEN:130:ZZZ	(Indicator)
Humidification Service	FTX+AEB++HUM:130:ZZZ	(Indicator)

N. Specifying Shipper owned equipment

When Customers want Carriers to provide Equipment, this will be specified as shown in the request below:

EQD+CN++22G0:102:5:2

Alternatively, Customers Booking requests may be for Shipper Owned Equipment, in which case the Carrier is not required to provide the Equipment. This is specified as shown in the request below:

EQD+CN++22G0:102:5:1

O. Customer Specification of Changes

Customers have the option of providing a free text description of changes requested in an Amendment transaction, as shown below

FTX+AES+++REDUCED CONTAINER COUNT FROM 3 TO 2

In addition, INTTRA will also provide a summary of changes to the Booking as detected by INTTRA, as follows:

FTX+ACB+++CONSIGNEE ADDED TO THE BOOKING

P. Out of Gauge Dimensions

Customers can provide details of Out of Gauge bookings at the commodity level, or at the container level. If sent, INTTRA recommends that Customers provide Out of Gauge dimensions only at one of these levels.

When providing Out of Gauge details, INTTRA recommends the Customer sends the header level GDS indicator, as shown below.

GDS+5

The actual dimensions at the Outer Pack level for out of gauge commodities can be specified as follows.

GID+1+1:PS:67:6
DIM+2+MTR:16.764:12.192:6.096

Alternatively, the customer can specify the overhang with respect to equipment dimensions, for Out of Gauge equipment. The following example shows a container with overhang in only the height dimension.

EQD+CN++22U1:102:5+2
EQN+1:2
DIM+9+MTR:::19.686

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Q. Requesting Per Container Release Handling

INTTRA has provided a flag that the customer can use to request per container release handling, i.e., that a unique release number should be issued for each requested container, preferably under a single booking number.

The per container release handling flag is supported only for multi-container bookings and can only be provided in the request. An example is given below.

BGM+335:::INTTRA-Link+98998376:3.8+9+AC

R. Booking Requests with Booking Numbers

Carriers may receive new booking requests with booking numbers under two circumstances. In the first, the customer has been issued a set of booking numbers and is authorized by the carrier to supply those numbers with their requests. This is known as the SMBN (Shipper Managed Booking Number) program at INTTRA. In the second, INTTRA assigns a 'Reservation Number' from a list of reservation numbers provided by the carrier and authorized for assignment to all bookings or to bookings originating from certain locations or customers or a combination of both.

In either case, the value is provided as a 'BN' qualified reference as shown below.

BGM+335:::INTTRA-Link+ INTTRA_REF123:3.8+9
RFF+BN:12209989

Carriers can supersede these booking numbers provided by Customers. Customers cannot change Booking Numbers on Amendments or Cancellations.

S. Send LCL Booking Request to NVO Carrier

Customers will designate NVO company as carrier in the booking request in the party segment. They will indicate that booking is LCL in the header level service type. Specification of charges is optional. See appendix F.

TSR+30+3
NAD+CA+SCAC:160:87+NVO CARRIER NAME

Customers may indicate any reefer instructions for each commodity to be shipped.

GID+1+3400:CT:67:6
TMP+2+098:CEL
FTX+AEB+++THIS IS REEFER COMMENTS
FTX+AEB++GEN:130:ZZZ
FTX+AEB++HUM:130:ZZZ
FTX+AEB++VTO:130:ZZZ
FTX+AEB++ECA:130:ZZZ
PCD+52+70
MEA+AAE+AAS+CBM:3.14
MEA+AAE+ZC+PCT:10.1
MEA+AAE+ZN+PCT:12.1
MEA+AAE+ZO+PCT:11.1

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T. Minimum Customer New Request

The example below shows the minimum information required by INTTRA on a Customer new booking request and amendment, for a simple dry booking. INTTRA requires the same set of minimum data to successfully process new booking request and amendment transactions.

BGM+335:::INTTRA-Link+INTTRA_REF:3.8+9
CTA+IC+:BOOKING CONTACT
COM+3948 228 9989:TE
DTM+137:201708120400:203
TSR+30
LOC+88+CNXMN:139:6
DTM+196:20170912:102
LOC+7+USLGV:139:6
NAD+CA+SCAC:160:87
NAD+ZZZ+0293877:160:87
NAD+CZ+8374898:160:86
GID+1+3400:CT:67:6
EQD+CN++45G0:102:5
EQN+3:2
TMD+3++MM

Instead of providing ETD at Place of Receipt as shown in the example above, the minimum data requirements for a Customer new booking request or amendment may also be met by any one of ETA at Place of Delivery, or Vessel name (or Lloyd's code) and Voyage (both sent in same TDT main-carriage segment), as described in Section 3 (Requested Routing & Haulage Service Arrangement) of this document.

Also, instead of providing an INTTRA registered Shipper as shown in the example above, the minimum data requirements for a new booking request or amendment may also be met by providing an INTTRA registered Forwarder.

U. Minimum Cancellation

INTTRA only processes transaction identifiers, and Customer comments on Cancellations. All other data on a Cancellation is ignored by INTTRA. A Cancellation with the minimum (required) information is shown below.

BGM+335:::INTTRA-Link+INTTRA_REF:3.8+1
CTA+IC+:BOOKING CONTACT
COM+30498 394 883:TE
DTM+137:201708120400:203
NAD+CA+SCAC:160:87
NAD+ZZZ+39877:160:87

Note that INTTRA also recommends that customers provide a comment with a cancellation transaction. An example is shown below.

FTX+AAI+++CUSTOMER REASON FOR CANCEL OF BOOKING

XII. Appendix 2 – GID Conventions

This appendix describes the processing of the commodity information provided in the GID (Goods Item Detail) Segment Group.

The Glossary defines terms used in the discussion of the GID Segment group.

The Association section describes INTTRA's interpretation of association between GID segments and the segments that describe the GID, for the two styles of GID presentation supported by INTTRA. Associated segments include:

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PIA: Goods Classification (PIA)
FTX: Goods Description, Customs Declaration Information
MEA: Measurements associated with the Goods (MEA)
DIM: Dimensions for Out of Gauge Commodities
RFF: References associated with the Goods
GID/SGP: Goods / Container relationships
MEA: Measurements associated with Goods in Containers
DGS and associated segments: Dangerous Goods Details

Customers can provide data in either style, whereas Carriers will receive messages only in a single style, the "vertical" style, with each level of packaging individually broken out. The examples in this section show both styles of inbound messages from Customers and the corresponding outbound messages generated by INTTRA in each case to the Carrier, further clarifying the association of detail segments within the GID structure.

The Rules section addresses the minimum requirements for valid GID on the Customer transaction inbound to INTTRA. Customer messages that do not conform to the rules established in this section will be failed by INTTRA.

The Conventions section provides guidelines for minimizing ambiguity in the handling of cargo line items. These guidelines are not enforced by INTTRA, but Customer conformance with the guidelines will result in consistent and correct interpretation of information.

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A. GID Segment Group Structure and Glossary of Terms

Term	Definition
GID Set	One or more GID Segments with the same Sequence Number. The three GID segments in Example 1 constitute a GID Set as do the 5 GID segments in Example 2. Example 3 shows 2 distinct GID Sets. Example 4 illustrates GID segments without any package information. Example 1 – Single GID Set GID+1+20:CR:67:6:CRATE' GID+1++100:CY:67:6:CYLINDER' GID+1++100:FL:67:6:FLASK' Example 2 – Single GID Set GID+1+20:CR:67:6:CRATE' GID+1++100:BX:67:6:BOX' GID+1+++400:TU:67:6:TUBE' GID+1++80:CH:67:6:CHEST' GID+1+++160:TB:67:6:TUB' Example 3 – 2 GID Sets with Inner Packaging GID+1+20:CR:67:6:CRATE' GID+1++100:BX:67:6:BOX' GID+2+20:CR:67:6:CRATE' GID+2++80:CH:67:6:CHEST' Example 4 – 3 GID Outer Pack Sets without package type and count information. GID+1' … GID+2' … GID+3' …
GID Line	A single physical occurrence of a GID Segment regardless of GID Sequence Number. Example 1 above includes 3 GID Lines Example 2 above includes 5 GID Lines Example 3 above includes 4 GID Lines
Outer GID	A GID Line with the 1st C213 composite populated. Example 1 is an Outer GID as is Example 2. Example 3 is not an Outer GID but rather an Inner Pack. Example 4 is an Outer GID without package information. Example 1: GID+1+20:CR:67:6:CRATE' Example 2: GID+1+20:CR:67:6:CRATE+100:BX:67:6:BOX' Example 3: GID+1++100:BX:67:6:BOX' Example 4: GID+1'

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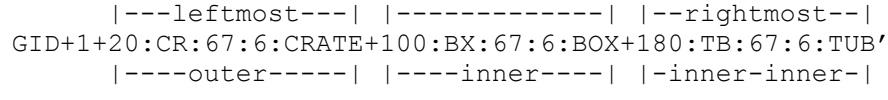
Term	Definition
Outer GID Details	Details applicable to the Outer Pack level, namely: Goods Classification (PIA), Measurements (MEA), References (RFF), Free Text (FTX), Out of Gauge Dimensions (DIM), Split Goods Placement (GID/SGP), Dangerous goods information (DGS). Example 1 shows an Outer SGP, as does Example 2. Example 1: GID+1+20:CR:67:6:CRATE++' SGP+TSTU1235156+20' Example 2: GID+1+20:CR:67:6:CRATE+100:BX:67:6:BOX+' SGP+TSTU1235156+20'
Sub Item GID	A GID Line with the 1st C213 composite empty. Example 1 is a Sub Item GID as is Example 2. Example 3 is not a Sub Item GID but rather a Outer Pack GID. Example 1: GID+1++100:CY:67:6:CYLINDER' Example 2: GID+1++100:BX:67:6:BOX+400:TU:67:6:TUBE' Example 3: GID+1+20:CR:67:6:CRATE'
Sub Item GID Details	Details applicable to a Sub Item GID Line, namely: Goods Classification (PIA), Measurements (MEA), References (RFF), Free Text (FTX), Dangerous goods information (DGS)
Cargo Item	A discrete commodity within a single type of outer package and with a single HS classification, a specific description, a single set of measurements and a single set of DGS details.
Split Goods	A cargo item packed in more than one container within a shipment.
GID Composite Diagram	
Outer Pack Composite	The first (leftmost) C213 Composite in the GID Segment.
Inner Pack Composite	The second (center) C213 Composite in the GID Segment.
Inner-Inner Pack Composite	The third (rightmost) C213 Composite in the GID Segment.
Leftmost Composite	The first populated C213 Composite reading a GID segment from the Left.
Rightmost Composite	The last populated C213 Composite reading a GID segment from the Left. NOTE: the same composite in a GID can be both the rightmost and the leftmost if only one composite in a GID is populated.

B. Association of Detail Segments

1. GID/SGP segments apply only to outer pack composites.
2. DIM segments apply only to outer pack composites.
3. PIA segments apply to the leftmost populated composite in the associated GID Line.
4. GID MEA segments apply to the leftmost populated composite in the associated GID Line.
5. RFF segments apply to the leftmost populated composite in the associated GID Line.

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6. FTX segments apply to the leftmost populated composite in the associated GID Line.
7. DGS details are associated with the rightmost populated composite in the associated GID Line.

Association Examples

Example B.1 – Composite GID Structure as received by INTTRA from the Customer

```
GID+1+20:CR:67:6:CRATE+100:BX:67:6:BOX+180:CY:67:6:CYLINDER
PIA+5+280421:HS
FTX+AAA+++COMMODITY DESCRIPTION
MEA+AAE+G+KGM:3000.135
RFF+ABW:29309902
SGP+01+20
MEA+AAE+G+KGM:3000.135
DGS+IMD+3.2+1993+43.3:CEL+2
FTX+AAD++PSN:122:ZZZ+PROPER SHIPPING NAME
CTA+HE+:EMERGENCY CONTACT
COM+928 009 9909:TE
MEA+AAE+AAF+KGM:245
SGP+01+5
MEA+AAE+AAF+KGM:245
```


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Example B.2 – As sent by INTTRA to Carrier after inbound from Customer is processed

```
GID+1+20:CR:67:6:CRATE
PIA+5+280421:HS
FTX+AAA+++COMMODITY DESCRIPTION
MEA+AAE+G+KGM:3000.135
RFF+ABW:29309902
SGP+01+20
MEA+AAE+G+KGM:3000.135
GID+1++100:BX:67:6:BOX
GID+1+++180:CY:67:6:CYLINDER
DGS+IMD+3.2+1993+43.3:CEL+2
FTX+AAD++PSN:122:ZZZ+PROPER SHIPPING NAME
CTA+HE+:EMERGENCY CONTACT
COM+928 009 9909:TE
MEA+AAE+AAF+KGM:245
SGP+01+180
MEA+AAE+AAF+KGM:245
```

In Example B.1, the GID level PIA, FTX, MEA, RFF and SGP detail segments are associated with the outer composite (leftmost populated composite, '20:CR:67:6:CRATE'). The GID MEA segment describes the gross weight of the commodity, including the crates. The package count in the SGP segment is the count of Crates in the container, not the count of Boxes or Cylinders. The DGS and its associated FTX , CTA, COM, MEA, SGP and SGP/MEA segments, on the other hand, are associated with the inner-inner pack (rightmost composite, '180:CY:67:6:CYLINDER') .

While processing the inbound message, INTTRA will convert GID's with multiple composites to a set of GID Lines, each with a single populated composite so that there is no ambiguity in the association of detail segments. This association is reflected in the example, B.2 which is the Outbound message corresponding to the Inbound message in example B.1.

The Association logic dictates that, in a 3-level GID, to provide any details for the middle level, a Sub Item GID Line must be provided – *viz*., a vertical GID structure has to be used in order to provide any details for the middle level. Similarly, a vertical GID structure will have to be used if there is a requirement to provide commodity descriptions at any level other than the Outer pack. This is illustrated in example B.3 below for Dangerous Goods, showing a different description (GID/FTX) at each pack level, outer, inner and inner-inner.

Example B.3 GID FTX Segments apply to the leftmost composite in the associated GID Line

```
GID+1+20:CR:67:6:CRATE
PIA+5+280421:HS
FTX+AAA+++COMMODITY DESCRIPTION1
MEA+AAE+G+KGM:3000.135
RFF+ON:887009
SGP+01+20
MEA+AAE+G+KGM:3000.135
GID+1++100:BX:67:6:BOX
FTX+AAA+++ADDITIONAL COMMMODITY DESCRIPTION
GID+1+++180:CY:67:6:CYLINDER
FTX+AAA+++MORE COMMODITY DESCRIPTION
DGS+IMD+3.2+1993+43.3:CEL+2
FTX+AAD++PSN:122:ZZZ+PROPER SHIPPING NAME
CTA+HE+:EMERGENCY CONTACT
COM+928 009 9909:TE
MEA+AAE+AAF+KGM:245
SGP+01+180
MEA+AAE+AAF+KGM:245
```


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For this inbound message from the Customer, the outbound message to the Carrier will have exactly the same structure as the inbound message.

Example B.4 GID Segments without Package Type or Description and Package Count

```
GID+1'
FTX+AAA+++
FTX+ADE++HC
MEA+AAE+G
RFF+ON
FTX+AAA+++
DGS+
FTX+
MEA+
GID+2'
FTX+AAA+++
FTX+ADE++HC
MEA+AAE+G
RFF+ON
FTX+AAA+++
DGS+
FTX+
MEA+
```

C. GID Rules

1. A new GID Sequence Number is required for every outer pack composite. The outer composite cannot be repeated within a GID set.
2. Every GID Set must include an outer pack composite.
3. There can be at most 999 C213 Pack composites in a Booking transaction, across all GID Sets.
4. DIM segments can only appear at the Outer pack level.
5. GID/SGP segments can only appear at the Outer pack level.
6. If GID/SGP is sent, it must be sent for every Outer pack composite.
7. A container may only be referenced once per Outer Pack composite within a GID Set, when providing GID/SGP information.
8. Every Container referenced in an outer SGP must have a matching container number in an EQD segment.
9. SGP segments associated with a DGS line cannot introduce a container that has not already been referenced in the SGP segments for the Outer GID.
10. A container may only be referenced once per DGS line, within a GID Set.
11. Package Code or Package Description and Number of Packages must be provided if the commodity is hazardous.
12. Number of Packages must be a whole number greater than zero
13. INTTRA allows for a GID segment to be sent without package code or package description and number of packages (e.g. GID+1, GID+2) but if multiple package levels are sent, the package code or description and number of packages must be provided for all package level.
14. If package code or package description is provided then number of package must also be provided.

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15. Package code or package description and number of packages is required for hazardous/hazmat commodity

D. GID Usage Conventions

1. INTTRA recommends that Customer provide only the Outer pack details for all commodities. For Hazardous commodities, inner and inner-inner pack level details may be provided if there are multiple dangerous goods in the Outer pack.

2. Goods Description (FTX 'AAA'), Goods Classification (PIA 'CG' and 'HS'), References related to the cargo item (RFF) should not vary within a GID Set. Only one set of these cargo item details should be provided for a GID set. A GID should not encompass more than one 6 digit HS classification (PIA, 'HS').

3. 'PALLETS' should not be reported as a package type in any GID composite for transactions destined for customs jurisdictions that do not recognize PALLET as a valid package type. Instead, Pallet details should be shown within the Goods Description or as an addendum to the package type description. Note that the gross weight for the Outer GID should include the weight of the pallets.

4. Only one DGS classification should be associated with a cargo line item. Line items encompassing more than one DGS classification should be split.

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XIII. Appendix 3 – Dangerous Goods

Appendix 2 describes the conventions and rules for associating Dangerous goods details using the GID segment group. This Appendix describes how Customers may use the structured fields in the IFTMBF Transaction Set to provide those details, especially the construction of structured free text segments to provide structured information. For a complete list of allowed values and validations at the segment or element level please refer to the body of this Implementation Guide.

The table shows validations that are enforced (ERR) on inbound Customer data, recommendations that are tracked (REC) as a part of Customer Data Quality Improvement initiatives, as well as usage that is recommended but not tracked (USG).

Dangerous Goods Information	**EDI Segment, Elements, Qualifiers**	**Data Validation**	**ERR / REC/ USG**
Dangerous Goods Indicator	GDS C703 7085 = 11	Always provide if sending Structured DGS information in GID/DGS.	REC
Structured Dangerous Goods Detail Lines	GID/DGS	Provide with Dangerous Goods Indicator (GDS)	REC
UNDG Code	DGS C234 7124	Required for each DGS line	ERR
		Must be exactly 4 characters	ERR
		Recommend use of valid UNDG code (INTTRA does not track conformance)	USG
Proper Shipping Name	DGS/FTX 4451= AAD 4441=PSN 1st 4440 required 2nd 4440 optional	Required for each DGS line	ERR
		Recommend consistency with UNDG, IMO Codes (INTTRA does not track conformance)	USG
IMO Code	DGS C205 8351	Required for each DGS line	ERR
		Recommend Use of valid IMO Code (INTTRA does not track conformance)	USG
Additional IMO Code 1	DGS C236 8246	Recommend Use of valid IMO Code (INTTRA does not track conformance)	USG
Additional IMO Code 2	DGS C236 8246	Recommend Use of valid IMO Code (INTTRA does not track conformance)	USG
Applicable DG Regulations Page Number	DGS C205 8078		
Applicable DG Regulations Version Number	DGS C205 8092		
Flashpoint	DGS C223 7106	Required if Flashpoint UOM is provided	ERR
Flashpoint UOM	DGS C223 6411	Required if Flashpoint is provided	ERR
		Must be one of CEL, FAH	ERR
Packing Group	DGS 8339	Must be one of 1, 2, 3	ERR
EMS Number	DGS 8364		
TREM Card Number	DGS 8126		

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Dangerous Goods Information	EDI Segment, Elements, Qualifiers	Data Validation	ERR / REC/ USG
Technical Name	DGS/FTX 4451= AAD 4441=TN 1st 4440 required 2nd 4440 optional		
General Hazmat Comments	DGS/FTX 4451= AAC 4441must be Null 1st 4440 required 2nd 4440 optional		
Inhalant Hazard Indicator	DGS/FTX 4451= AAC 4441must be IHL 1st 4440 must be Null 2nd 4440 must be Null		
Aggregation State	DGS/FTX 4451= AAC 4441must be one of GAS, LQD, SLD 1st 4440 must be Null 2nd 4440 must be Null	Aggregation state must be one of GAS, LQD (Liquid), SLD (Solid)	ERR
		4441 values GAS, LQD, SLD are mutually exclusive; for a given DGS line, only one of them can apply.	ERR
Marine Pollutant Status	DGS/FTX 4451= AAC 4441must be one of NP, P, PP 1st 4440 must be Null 2nd 4440 must be Null	Marine Pollutant status must be one of NP (Non Marine Pollutant), P (Marine Pollutant), PP (Severe Marine Pollutant).	ERR
		4441 values NP, P, PP are mutually exclusive; for a given DGS line, only one of them can apply.	ERR
Limited Quantity Indicator	DGS/FTX 4451= AAD 4441= TLQ 1st 4440 must be Null 2nd 4440 must be Null		
Empty Un-cleaned Receptacle	DGS/FTX 4451= HAN 4441 = 4 1st 4440 must be Null 2nd 4440 must be Null		
Intermediate Bulk Container (IBC) Package Code	DGS/FTX 4451= AAD 4441 = IBC Code 1st 4440 must be Null 2nd 4440 must be Null	Recommend Use of valid IBC Package Code (INTTRA does not track conformance)	USG
Placard Information	DGS/FTX 4451= HAZ 4441must be Null 1st 4440 required 2nd 4440 optional		
Radioactive Goods Additional Information	DGS/FTX 4451=AEP 4441must be Null 1st 4440 required 2nd 4440 optional		

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Dangerous Goods Information	EDI Segment, Elements, Qualifiers	Data Validation	ERR / REC/ USG
Regulatory Information	DGS/FTX 4451= REG 4441must be Null 1st 4440 required 2nd 4440 optional		
Contact Name, Contact Phone	DGS/CTA/COM	At least one dangerous goods contact name and phone number should be provided.	REC
DGS Measurements	DGS/MEA	Measurements must be one of Net Net Weight, Net Volume, Radioactivity, Acid Concentration	ERR
		Only one of each type of Measurements may be sent per Dangerous Goods line	ERR
		Measurement value must be provided with the associated Unit of Measure as described in the body of this Implementation Guide	ERR
		For Class 1 DGS, INTTRA recommends sending explosive weight in the net net weight.	USG

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XIV. Appendix 4 – Controlled Equipment

Controlled Equipment settings are specified in the EQD Segment group, under each EQD loop. Settings provided for an EQD loop apply to each piece of equipment individually, and use a mix of structured fields, EQD/TMP, EQD/HAN, EQD/MEA, and coded free text, EQD/FTX.

Controlled equipment may be either Reefer, or Hybrid equipment. The ISO Container Type list maintained by INTTRA contains a list of valid Reefer and Hybrid Equipment types, as well as their equivalent codes at INTTRA. Reefer equipment must be accompanied by set temperature or marked inoperative. Hybrid equipment may function either as controlled equipment or as standard equipment, and correspondingly may or may not be accompanied by control settings. A common example of hybrid equipment is a Tank container, which may or may not have control settings.

The following table summarizes the available settings for controlled equipment, the corresponding EDI segments, validations that are enforced (ERR) on inbound Customer data, and recommendations that are tracked (REC) as a part of Customer Data Quality Improvement initiatives.

Setting	**EDI Segment, Elements, Qualifiers**	**Data Validation**	**ERR / REC**
Equipment Type Code	EQD C224, 8155	Must be a valid ISO code.	ERR
		If container is Reefer type, provide with either NAR or Set temperature	ERR
Non Active Setting	EQD/HAN	Can only be sent with Reefer or Hybrid Equipment	ERR
		Mutually exclusive with Set temperature	ERR
		INTTRA recommends that a single booking not have a mix of NAR and active Controlled Equipment	REC
Set Temperature	EQD/TMP	Can only be sent with Reefer or Hybrid Equipment	ERR
		Mutually exclusive with NAR Setting	ERR
		Set temperature must be the same for all active controlled equipment on a single Booking	ERR
		Provide with Controlled Equipment Indicator	REC
Controlled Equipment Indicator	GDS C703 7085 = 14	Provide for Booking with active controlled equipment	REC
Temperature Control Instructions	EQD/FTX 4451= AEB 4441must be Null 1st 4440 required 2nd 4440 optional	Only for active reefer/hybrid (*viz*. with TMP setting)	ERR
Equipment Control Atmosphere Indicator	EQD/FTX 4451= AEB 4441= ECA 1st 4440 must be Null 2nd 4440 must be Null	Only for active reefer/hybrid	ERR
		Mutually exclusive with Vent Open setting	ERR
		Provide with controlled atmosphere measurements	REC
Super freezer service Indicator	EQD/FTX 4451= AEB 4441= FRZ 1st 4440 must be Null 2nd 4440 must be Null	Only for active reefer/hybrid	ERR
Humidification Required Indicator	EQD/FTX 4451= AEB 4441= HUM 1st 4440 must be Null 2nd 4440 must be Null	Only for active reefer/hybrid	ERR
		Provide with humidity measurements	REC

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Setting	EDI Segment, Elements, Qualifiers	Data Validation	ERR / REC
GENSET Required Indicator	EQD/FTX 4451= AEB 4441= GEN 1st 4440 must be Null 2nd 4440 must be Null	Only for active reefer/hybrid	ERR
In-transit cold sterilization service Indicator	EQD/FTX 4451= AEB 4441= ICT 1st 4440 must be Null 2nd 4440 must be Null	Only for active reefer/hybrid	ERR
Number of USD Probes	EQD/FTX 4451= AEB 4441= ICP 1st 4440 required 2nd 4440 must be Null	Only for active reefer/hybrid	ERR
		Provide with In-transit cold sterilization service Indicator	REC
Number of Reefer Probes	EQD/FTX 4451= AEB 4441= NTP 1st 4440 required 2nd 4440 must be Null	Only for active reefer/hybrid	ERR
Temperature Variance	EQD/FTX 4451= AEB 4441= TVA 1st 4440 required 2nd 4440 must be Null	Only for active reefer/hybrid	ERR
Vent Open	EQD/FTX 4451= AEB 4441= VTO 1st 4440 must be Null 2nd 4440 must be Null	Only for active reefer/hybrid	ERR
		Mutually exclusive with Vent Closed setting	ERR
		Mutually exclusive with Equipment Control Atmosphere Indicator	ERR
		Provide with Airflow measurement	REC
Vent Closed	EQD/FTX 4451= AEB 4441= VTC 1st 4440 must be Null 2nd 4440 must be Null	Only for active reefer/hybrid	ERR
		Mutually exclusive with Vent Open setting	ERR
Humidity	EQD/MEA	Provide only with Humidity Required Indicator	REC
Controlled Atmosphere (CO2/ N2/ O2)	EQD/MEA	Provide only with Equipment Control Atmosphere Indicator	REC
Airflow	EQD/MEA	Provide only with Vent Open Setting	REC

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XV. Appendix 5 – Equipment Special Services

This Appendix describes how Customers may use the IFTMBF Transaction Set to request Special Handling or Special Services for equipment on a booking. All the data is provided in structured free text in the EQD Segment Group.

Handling / Service	EQD/ FTX Segment Group Elements, Qualifiers	Validations (ERR)
Stow above Deck	4451= HAN 4441= SAD 1st 4440 must be Null 2nd 4440 must be Null	Mutually Exclusive with Stow below Deck
Stow below Deck	4451= HAN 4441= SBD 1st 4440 must be Null 2nd 4440 must be Null	Mutually Exclusive with Stow above Deck
Equipment must be Cleaned	4451= SSR 4441= CLN 1st 4440 must be Null 2nd 4440 must be Null	
Food Grade Equipment requested	4451= SSR 4441= FGE 1st 4440 must be Null 2nd 4440 must be Null	
Equipment should be Fumigated	4451= SSR 4441= FMG 1st 4440 must be Null 2nd 4440 must be Null	
Equipment should be fitted for Garment on hangers	4451= SSR 4441= GOH 1st 4440 must be Null 2nd 4440 must be Null	
Heavy Weight Tested Equipment Requested	4451= SSR 4441= HTE 1st 4440 must be Null 2nd 4440 must be Null	
Equipment must be Swept	4451= SSR 4441= SWP 1st 4440 must be Null 2nd 4440 must be Null	

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