GS1 Switzerland

The Global Language of Business

EDI – Ideal Message CH
IFTMIN

Overview

Document information	
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Documentation conventions

Format and pictures	as described in column "Format" of segment details
Character type:	a :alphabetic characters n :numeric characters an :alpha-numeric characters
Size:	Fixed : all positions must be used Variable : positions may be used up to a specified maximum
Examples:	as described in column "St" of segment details
Status indicators	as described in column "St" of segment details
(R)equired	Indicates that the entity is required and must be sent. (This status is set by EANCOM®.)
(C)onditional	Indicates that the entity is conditional and may be sent at the discretion of the user.
(D)ependent	Indicates that the entity must be sent in certain conditions, as defined by the relevant explanatory note.
(N)ot used	Indicates that the entity is not used.
Restriction indicators	as described in column "R" of segment details
Restricted (*)	A data element marked with an asterisk (*) in the fourth column of the segment details of a message indicates that the listed codes in column five are the only codes available for use with the data element at the same level as the asterisk, in the current segment, in the current message.
Open	All data elements in which coded representation of data is possible, and in which a restricted set of code values is not indicated, are open. The available codes are listed in the Data Elements and Code Sets Directory (Part III of this manual). Code values may be given as examples or there may be a note on the format or type of code to be used.

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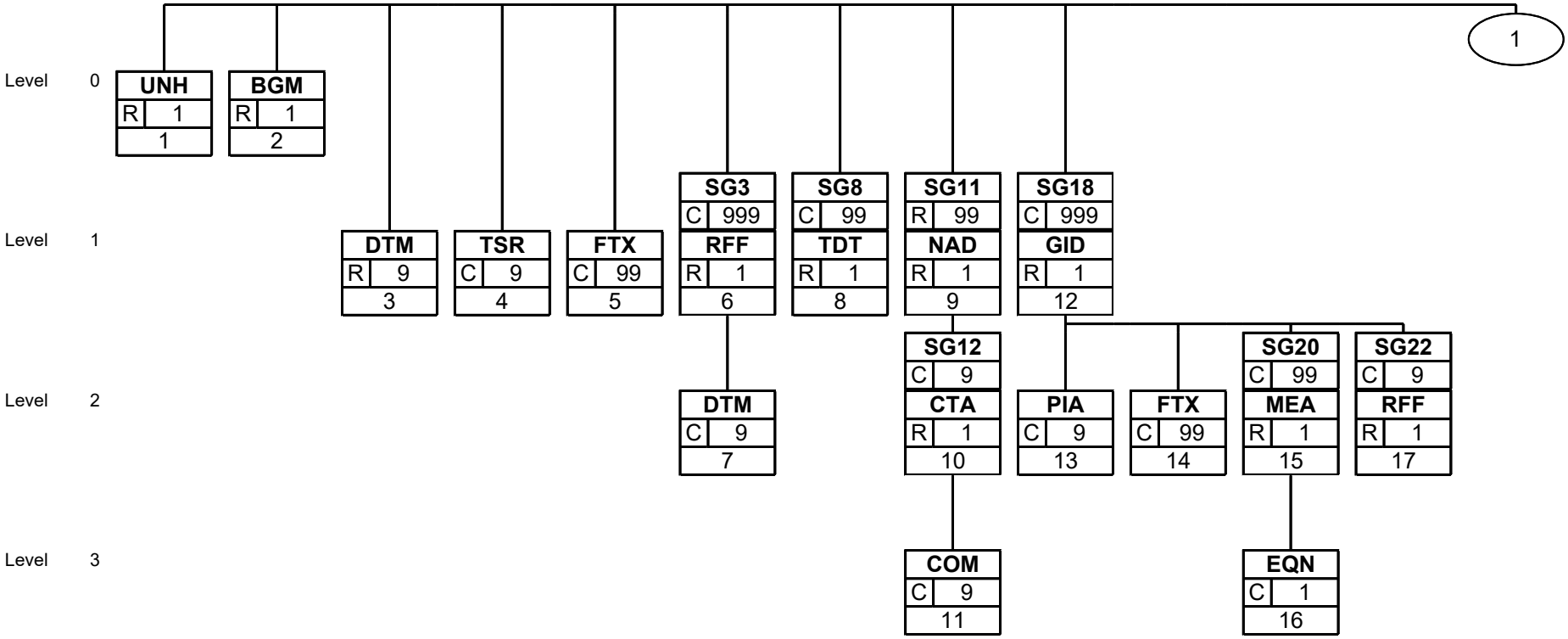
Branching diagram



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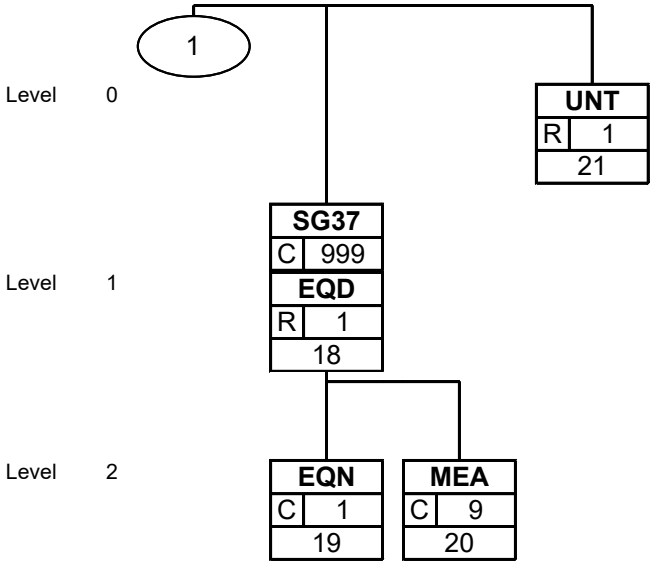
Branching diagram



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Segments Layout

Segment ***UNH*** No.: 1 Status: R Level: 0 Max. occ.: 1 **Message header**

Description Message header

Description of Segment:

	Description	St	Format	*	Example	Remarks
0062	Message reference number	R	an..14		+ME000001	Senders unique message reference. Sequence number of the messages in the interchange. DE 0062 in the UNT will be identical. Sender generated, e.g. ME000001.
S009	Message identifier	R				
0065	Message type	R	an..6	*	+IFTMIN	**IFTMIN = Instruction message**
0052	Message version number	R	an..3	*	:D	**D = Draft version/UN/EDIFACT Directory**
0054	Message release number	R	an..3	*	:01B	**01B = Release 2001 - B**
0051	Controlling agency, coded	R	an..3	*	:UN	**UN = UN/CEFACT**
0057	Association assigned code	R	an..6	*	:EAN004'	**EAN004 = GS1 version control number (GS1 Permanent Code)** Indicates that the message is the EANCOM version 004 of the UNSM Transport Instruction.

Description:
This segment is used to head, identify and specify a message.
DE's 0065, 0052, 0054, and 0051: Indicate that the message is a UNSM Transport Instruction message based on the D.01B directory under the control of the United Nations.

Example:
UNH+ME000001+IFTMIN:D:01B:UN:EAN004'

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Segments Layout

Segment **BGM** No.: 2 Status: R Level: 0 Max. occ.: 1 **Beginning of message**

Description Beginning of message

Description of Segment:

	Description	St	Format	*	Example	Remarks
C002	Document/message name	R				
1001	Document name code	R	an..3	*	+610	**610 = Forwarding instructions**
C106	Document/message identification	R				
1004	Document identifier	R	an..35		+569952	Transport Instruction number assigned by The document sender. For global unique identification of documents Global Document Type Identifier (GDTI) is available.
1225	Message function code	R	an..3	*	+9'	**9 = Original** The message function, coded is a critical data element in this segment. It applies to all data indicated in the message. Consequently, one separate message has to be provided per type of function required. The following definitions apply for the restricted codes: 9 = Original - Original transmission of the transport instruction message.

Description:
This segment is used to indicate the type and function of a message and to transmit the identifying number.
All references other than the document number DE 1004 are to be put in the RFF segment.

Example:
BGM+610+569952+9'

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Segments Layout

Segment **DTM** No.: 3 Status: R Level: 1 Max. occ.: 9 **Date/time/period**

Description **Date/time/period**

Description of Segment:

	Description	St	Format	*	Example	Remarks
C507	Date/time/period	R				
2005	Date or time or period function code qualifier	R	an..3	*	+137	**2 = Delivery date/time, requested** **17 = Delivery date/time, estimated** **137 = Document/message date/time**
2380	Date or time or period value	R	an..35		:20111203000000	
2379	Date or time or period format code	R	an..3	*	:204'	**204 = CCYYMMDDHHMMSS**

Description:
This segment is used to specify the date of the Transport Instruction message.
DE 2005: Identification of the 'Document/message date/time' (code value 137) is mandatory in an EANCOM message.

Example:
DTM+137:20111203000000:204'

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Segments Layout

Segment **TSR** No.: 4 Level: 1 **Transport service requirements**
Status: C Max. occ.: 9

Description **Transport service requirements**

Description of Segment:

	Description	St	Format	*	Example	Remarks
C536	Contract and carriage condition	N				
4065	Contract and carriage condition code	N	an..3		+	
C233	Service	N				
7273	Service requirement code	N	an..3		+	
C537	Transport priority	R				
4219	Transport service priority code	R	an..3	*	+1'	**1** = **Express**

Description:
This segment is used to indicate any special contracts, services, priorities or nature of cargo in relation to the transport.

Example:
TSR+++1'

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Segments Layout

Segment **FTX** No.: 5 Status: C Level: 1 Max. occ.: 99 **Free text**

Description **Free text**

Description of Segment:

	Description	St	Format	*	Example	Remarks
4451	Text subject code qualifier	R	an..3	*	+DEL	**ACB = Additional information** **DEL = Delivery information**
4453	Free text function code	C	an..3		+	
C107	Text reference	C				
4441	Free text value code	M	an..17		+	
1131	Code list identification code	C	an..17		:	
3055	Code list responsible agency code	C	an..3		:	
C108	Text literal	D				This composite is only used if coded text can not be used.
4440	Free text value	R	an..51		+Lieferwunsch 4. Mai, ohne Gewähr	
4440	Free text value	C	an..51		:Ohne Montage	
4440	Free text value	C	an..51		:X	
4440	Free text value	C	an..51		:X	
4440	Free text value	C	an..51		:X'	

Description:
This segment is used to provide free form or coded text information related to the entire message.
Use of this segment in free form is not recommended since it may inhibit automatic processing of the Transport Instruction. Coded references to standard texts is an available functionality which enables automatic processing and reduces transmission overheads. Standard texts should be mutually defined between trading partners and can be used to cover legal or other requirements.
(Supplier assigned Code value 002 = Please ensure complete delivery on requested date.)

Example:
FTX+DEL+++Lieferwunsch 4. Mai, ohne Gewähr'

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Segments Layout

Group	***SG3***	Status:C	Max. occ.: 999	RFF-DTM	
Segment	***RFF***	No.: 6 Status: R	Level: 1 Max. occ.: 1	**Reference**	

Description **Reference**

Description of Segment:

	Description	St	Format	*	Example	Remarks
C506	Reference	R				
1153	Reference code qualifier	R	an..3	*	+ON	**ON = Order number (buyer)**
1154	Reference identifier	R	an..70		:1000707'	

Description:
This segment is used to specify references related to the complete transport instruction message.

Example:
RFF+ON:1000707'

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Segments Layout

Group	***SG3***	Status:C	Max. occ.: 999	RFF-DTM

Segment	***DTM***	No.: 7 Status: C	Level: 2 Max. occ.: 9	**Date/time/period**

Description Date/time/period

Description of Segment:

	Description	St	Format	*	Example	Remarks
C507	Date/time/period	R				
2005	Date or time or period function code qualifier	R	an..3	*	+171	**171 = Reference date/time**
2380	Date or time or period value	R	an..35		:20111202000000	
2379	Date or time or period format code	R	an..3	*	:204'	**204 = CCYYMMDDHHMMSS**

Description:
This segment is used to specify any dates related to the previous RFF segment.

Example:
DTM+171:20111202000000:204'

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Segments Layout

Group	***SG8***	Status:C	Max. occ.: 99	TDT	
Segment	***TDT***	No.: 8 Status: R	Level: 1 Max. occ.: 1	**Details of transport**	

Description Details of transport

Description of Segment:

	Description	St	Format	*	Example	Remarks
8051	Transport stage code qualifier	R	an..3	*	+20	**20 = Main-carriage transport**
8028	Means of transport journey identifier	C	an..17		+	
C220	Mode of transport	A				
8067	Transport mode name code	R	an..3	*	+20	**20 = Rail transport** **30 = Road transport** **50 = Mail**
C228	Transport means	C				
8179	Transport means description code	C	an..8		+	
C040	Carrier	C				
3127	Carrier identifier	A	an..17		+7640104600008	Global Location Number GLN - Format n13
1131	Code list identification code	C	an..17		:	
3055	Code list responsible agency code	D	an..3		:9	
3128	Carrier name	C	an..35		:Planzer Transport'	

Description:
This segment is used to indicate the transport means, and where necessary, the carrier to be used for the consignment for which a transport instruction is being issued. When used, it is mandatory to indicate the main carriage transport mode in this segment.

Dependency Notes:
DE C228: DE 8179 and DE 8178 are only used when the type of transport must be specifically identified, that is, a generic description such as road transport is unsuitable.

Example:
TDT+20++20++7640104600008::9:Planzer Transport'

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Segments Layout

Group **SG11** Status:R Max. occ.: 99 NAD-SG12

Segment **NAD** No.: 9 Status: R Level: 1 Max. occ.: 1 **Name and address**

Description Name and address

Description of Segment:

	Description	St	Format	*	Example	Remarks
3035	Party function code qualifier	R	an..3	*	+FW	**BY = Buyer** **FW = Freight forwarder** **PO = Ordering party** **UC = Ultimate consignee** **SU = Supplier**
C082	Party identification details	A				
3039	Party identifier	R	an..35		+7612345000018	For identification of parties it is recommended to use GLN - Format n13.
1131	Code list identification code	N	an..17		:	
3055	Code list responsible agency code	R	an..3	*	:9	**9 = GS1**
C058	Name and address	N				
3124	Name and address description	N	an..35		+	
C080	Party name	D				
3036	Party name	R	an..35		+Frau Anna Müller	Party Name in clear text.
3036	Party name	C	an..35		:X	
C059	Street	D				
3042	Street and number or post office box identifier	R	an..35		+Kramgasse 17	Building Name/Number and Street
3042	Street and number or post office box identifier	C	an..35		:3. Stock	Name and/or P.O. Box
3164	City name	D	an..35		+Huttwil	City/Town, clear text.
C819	Country sub-entity details	C				
3229	Country sub-entity name code	C	an..9		+	
3251	Postal identification code	D	an..17		+4950	Postal Code
3207	Country name code	D	an..3		+CH'	ISO 3166 two alpha code

Description:
This segment is used to identify the trading partners involved in the Transport Instruction message. Identification of the Consignor and Carrier or Forwarder is mandatory in the Transport Instruction message. If required, a Consignee may also be identified using NAD at this level in the message.

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Segments Layout

Dependency Notes:
The following composites and data elements are only used when a coded name and address can not be used. The affected composites and data elements are as follows:

C080 - C059 - 3164 - C819 - 3251 - 3207

Example:
NAD+FW+5412345000013::9'
NAD+UC+++Frau Anna Müller+Kramgasse 17:3. Stock+Huttwil++4950+CH'

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Segments Layout

Group	***SG11***	Status:R	Max. occ.: 99	NAD-SG12
Group	***SG12***	Status:C	Max. occ.: 9	CTA-COM
Segment	***CTA***	No.: 10 Status: R	Level: 2 Max. occ.: 1	**Contact information**

Description Contact information

Description of Segment:

	Description	St	Format	*	Example	Remarks
3139	Contact function code	R	an..3	*	+IC	**IC = Information contact** **TR = Transport contact**
C056	Department or employee details	C				
3413	Department or employee name code	N	an..17		+	
3412	Department or employee name	C	an..35		:Muster Fritz'	

Description:
This segment is used to identify department and contact names within the party specified in the NAD segment.

Example:

Example:
CTA+TR+:Muster Fritz'

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Segments Layout

Group	***SG11***	Status:R	Max. occ.: 99	NAD-SG12
Group	***SG12***	Status:C	Max. occ.: 9	CTA-COM
Segment	***COM***	No.: 11 Status: C	Level: 3 Max. occ.: 9	**Communication contact**

Description Communication contact

Description of Segment:

	Description	St Format	*	Example	Remarks
C076	Communication contact	R			
3148	Communication address identifier	R an..51		+0041588007299	
3155	Communication address code qualifier	R an..3	*	:FX'	**FX = Fax** **TE = Telephone** **EM = Electronic mail**

Description:
This segment identifies the communications number and type of communications for the person or department identified in the previous CTA segment.

Example:

Example:
COM+0041588007299:FX'

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Segments Layout

Group	***SG18***	Status:C	Max. occ.: 999	GID-PIA-FTX-SG20-SG22
Segment	***GID***	No.: 12 Status: R	Level: 1 Max. occ.: 1	**Goods item details**

Description **Goods item details**

Description of Segment:

	Description	St	Format	*	Example	Remarks
1496	Goods item number	R	n..5		+1	Application number identifying items within the current consignment.
C213	Number and type of packages	R				Despatch units are identified in the first occurrence of this composite.
7224	Package quantity	R	n..8		+1	
7065	Package type description code	O	an..17		:AE	
1131	Code list identification code	N	an..17		:	
3055	Code list responsible agency code	D	an..3	*	:9'	**9 = GS1**

Description:
This segment is the trigger segment for the detail section of the transport instruction message. It is used to specify the number and type of packaging for the goods item.
Within the GID segment it is possible to identify up to 5 levels of packaging hierarchy for the transport goods item. Despatch units are identified in the first occurrence of C213.
(The top level is returnable pallet which contains a second level of 6 cartons.)

Example:
GID+1+1:09::9+6:CT'

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Segments Layout

Group	***SG18***	Status:C	Max. occ.: 999	GID-PIA-FTX-SG20-SG22
Segment	***PIA***	No.: 13 Status: C	Level: 2 Max. occ.: 9	**Additional product id**

Description **Additional product id**

Description of Segment:

	Description	St	Format	*	Example	Remarks
4347	Product identifier code qualifier	R	an..3	*	+5	**5 = Product identification** Product Id function, coded has the following restricted coded functions: 5 = Product Identification - To provide global trade item number(s) of the products contained in the current goods item identified in the GID segment.
C212	Item number identification	R				
7140	Item identifier	R	an..35		+7616500012608	
7143	Item type identification code	R	an..3	*	:SRV'	**HS = Harmonised system** **SRV = GS1 Global Trade Item Number** **IN = Buyer's item number**

Description:
This segment is used to specify identification codes relating to the goods item for which a transport instruction is being issued.
Code values provided in this segment are provided for information purposes and not for the identification of the goods to be consigned. The identification of the goods to be consigned is carried out in the GID segment.

Example:
PIA+5+100126000000:IN'
PIA+5+7616500012608:SRV'

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Segments Layout

Group	***SG18***	Status:C	Max. occ.: 999	GID-PIA-FTX-SG20-SG22
Segment	***FTX***	No.: 14 Status: C	Level: 2 Max. occ.: 99	**Free text**

Description **Free text**

Description of Segment:

	Description	St	Format	*	Example	Remarks
4451	Text subject code qualifier	R	an..3	*	+AAA	**AAA = Goods description** **ACB = Additional information** **SSR = Special service request**
4453	Free text function code	C	an..3		+	
C107	Text reference	D				This composite is only used when trading partners have agreed to use mutually defined code values.
4441	Free text value code	R	an..17		+78E	
1131	Code list identification code	O	an..17		:23	
3055	Code list responsible agency code	D	an..3		:9	
C108	Text literal	D				This composite is only used if coded text can not be used.
4440	Free text value	R	an..51		+Waren- oder Dienstleistungsbeschreibung'	

Description:
This segment is used to provide free form or coded text information related to the goods item.
Use of this segment in free form is not recommended since it may inhibit automatic processing of the Transport Instruction. Coded references to standard texts is an available functionality which enables automatic processing and reduces transmission overheads. Standard texts should be mutually defined between trading partners and can be used to cover legal or other requirements.
Note 1: All free text descriptive data for the goods item must be placed in this segment using code value 'AAA' in data element 4451.

Example:
FTX+AAA+++Waren- oder Diensleistungsbeschreibung'

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Segments Layout

Group	***SG18***	Status:C	Max. occ.: 999	GID-PIA-FTX-SG20-SG22
Group	***SG20***	Status:C	Max. occ.: 99	MEA-EQN
Segment	***MEA***	No.: 15 Status: R	Level: 2 Max. occ.: 1	**Measurements**

Description Measurements

Description of Segment:

	Description	St	Format	*	Example	Remarks
6311	Measurement purpose code qualifier	R	an..3	*	+AAI	**AAI = Item weight**
C502	Measurement details	A				
6313	Measured attribute code	R	an..3	*	+AAB	**AAA = Unit net weight** **AAB = Unit gross weight** This qualifier determines the measurement value to be applied either to one single despatch unit of the goods item or to a number of despatch units of the goods item. When Unit Gross Weight is provided in this segment the measurement provided relates to the total gross weight of one single despatch unit in the goods item. The number of despatch units of the goods item that all have the same quoted gross weight is specified in the EQN segment when different from the number of despatch units specified in the GID segment. When Gross Weight is provided the measurement relates to the total gross weight of a number of despatch units in the goods item. The number of despatch units of the goods item that together have the quoted gross weight is specified in the EQN segment when different from the number of despatch units specified in the GID segment.
C174	Value/range	R				
6411	Measurement unit code	R	an..3	*	+KGM	**KGM = kilogram**
6314	Measurement value	R	an..18		:1600'	

Description:
This segment is used to specify a measurement for the goods identified in the GID segment. All measurements given in the MEA segments relate to the highest level of packaging (the despatch units) identified in the GID segment.

Example:
MEA+AAI+AAB+KGM:1600'

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Segments Layout

Group	***SG18***	Status:C	Max. occ.: 999	GID-PIA-FTX-SG20-SG22
Group	***SG20***	Status:C	Max. occ.: 99	MEA-EQN
Segment	***EQN***	No.: 16 Status: C	Level: 3 Max. occ.: 1	**Number of units**

Description **Number of units**

Description of Segment:

	Description	St	Format	*	Example	Remarks
C523	Number of unit details	R				
6350	Units quantity	R	n..15		+10'	

Description:
This segment is used to specify the number of packages (despatch units) within the goods item to which the measurement applies.

Example:
EQN+10'

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Segments Layout

Group	***SG18***	Status:C	Max. occ.: 999	GID-PIA-FTX-SG20-SG22
Group	***SG22***	Status:C	Max. occ.: 9	RFF
Segment	***RFF***	No.: 17 Status: R	Level: 2 Max. occ.: 1	**Reference**

Description **Reference**

Description of Segment:

	Description	St	Format	*	Example	Remarks
C506	Reference	R				
1153	Reference code qualifier	R	an..3	*	+ON	**ON = Order number (buyer)**
1154	Reference identifier	R	an..70		:707407'	

Description:
This segment is used to specify references which are applicable to the current goods item only.

Example:
RFF+CT:52441'

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Segments Layout

Group	***SG37***	Status:C	Max. occ.: 999	EQD-EQN-MEA	
Segment	***EQD***	No.: 18 Status: R	Level: 1 Max. occ.: 1	**Equipment details**	

Description **Equipment details**

Description of Segment:

	Description	St	Format	*	Example	Remarks
8053	Equipment type code qualifier	R	an..3	*	+PA'	**PA = Pallet** **UL = ULD (Unit load device)**

Description:
This segment is used to indicate the units of equipment which will be used to transport the goods items.

Example:
EQD+UL+45223'

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Segments Layout

Group	***SG37***	Status:C	Max. occ.: 999	EQD-EQN-MEA
Segment	***EQN***	No.: 19 Status: C	Level: 2 Max. occ.: 1	**Number of units**

Description **Number of units**

Description of Segment:

	Description	St	Format	*	Example	Remarks
C523	Number of unit details	R				
6350	Units quantity	R	n..15		+9'	

Description:
This segment is used to specify the number of pieces of equipment required.

Example:
EQN+10'

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Segments Layout

Group	***SG37***	Status:C	Max. occ.: 999	EQD-EQN-MEA
Segment	***MEA***	No.: 20 Status: C	Level: 2 Max. occ.: 9	**Measurements**

Description **Measurements**

Description of Segment:

	Description	St	Format	*	Example	Remarks
6311	Measurement purpose code qualifier	R	an..3	*	+AAH	**AAH = Dimensions total weight**
C502	Measurement details	A				
6313	Measured attribute code	R	an..3	*	+AAC	**AAC = Total net weight** **AAD = Total gross weight**
6321	Measurement significance code	C	an..3	*	:12	**3 = Approximately** **12 = True value**
C174	Value/range	R				
6411	Measurement unit code	R	an..3	*	+KGM	**KGM = kilogram**
6314	Measurement value	C	an..18		:5622'	

Description:
This segment is used to specify the physical dimensions including tolerances of the equipment identified in the preceding EQD segment.

Example:
MEA+AAH+AAC+KGM:5622'

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Segments Layout

Segment ***UNT*** No.: 21 Level: 0 **Message trailer**
Status: R Max. occ.: 1

Description **Message trailer**

Description of Segment:

	Description	St	Format	*	Example	Remarks
0074	Number of segments in a message	R	n..10		+21	The total number of segments in the message is detailed here.
0062	Message reference number	R	an..14		+ME000001'	The message reference number detailed here should equal the one specified in the UNH segment.

Description:
This segment is a mandatory UN/EDIFACT segment. It must always be the last segment in the message.

Example:
UNT+72+ME000001'

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List of changes

No.	Description	Segments and elements
01	01;01.07.2016/4.0: Publication of version 4.0 final	1 UNH

GS1 Switzerland – The Global Language of Business

Global Standards provide more efficiency in value networks. GS1 Switzerland supports companies in optimizing their flows of goods, information and values and provides practical knowledge. Together with our members, we develop standards and process recommendations and create benefits for all parties involved. GS1 Switzerland is a neutral association based in Bern and part of the not-for-profit organization GS1, which is active in 140 countries.

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