GS1 standards in the logistic:
Logistic information flow with EANCOM® 2002
Version 2.3

Time slot booking/reservation confirmation (IFTMBC)

EANCOM® 2002 Syntax 3

Introduction

The aim of the brochure on hand is to offer documentation describing the exchange of purchase order data between business partners.

The basis of this elaboration is the international standard EANCOM® 2002. The message type IFTMBC 003 is used to transmit relevant data. GEFEG.FX (Gefeg mbH, Berlin) was used as the documentation tool.

Please be aware to know that this booklet does not replace the complete specifications in the original chapters or other relevant instructions within the EANCOM® 2002 documentation. Instead, it deals with the description of segments, data elements and codes to be used for a specific task.

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Important note:
To fulfill the requirements of directive 2003/58/EG, article 4, C058 has been opened in NAD segments identifying a message sender. If the place in the 5 DE 3124 is not sufficient, the following RFF segments can be used, qualified with DE 1153 = GN. DE 1154 has got a capacity of 70 digits. Only in those cases, when no RFF segment follows NAD, a RFF+GN can be used in the heading section of the message. Within the EDI recommendations of GS1 Germany this is only applicable for the messages REMADV and SLSFCT.

This brochure offers different ways to start:

"Introduction" contains a short description of the respective message.

"Business Terms", is a table which links directly to the sequence numbers of the segments.

"Diagram", is a hierarchical graphic depiction of all used segments in the same sequence as they are defined in the EANCOM® message. However, every segment is shown only once, and it is therefore possible that the sequence numbering is interrupted.

"Structure", is a list of all used segments in the same sequence as they are defined in the EANCOM® message. In general, for each piece of information one single segment is provided. Exeptions may arrise when the the occurence of a segment is limited and can contain alternative information (e.g., segment BGM).

"Segmentlayout", an illustration that has been chosen to match the business terms (data from the inhouse application) with the elements from the EANCOM® syntax.

"Codes" contains a list of the codes used in the message.

"Examples", provides at least one message example with comments. Please note that, for technical reasons, the examples can contain component data element separators, which would otherwise be represented as data element separators in the original messages.

"Print" opens the PDF documentation for the corresponding message.

The following conventions apply to this brochure:

Introduction

Message structure

Heading section
Specification of buyer an supplier, message date and number.

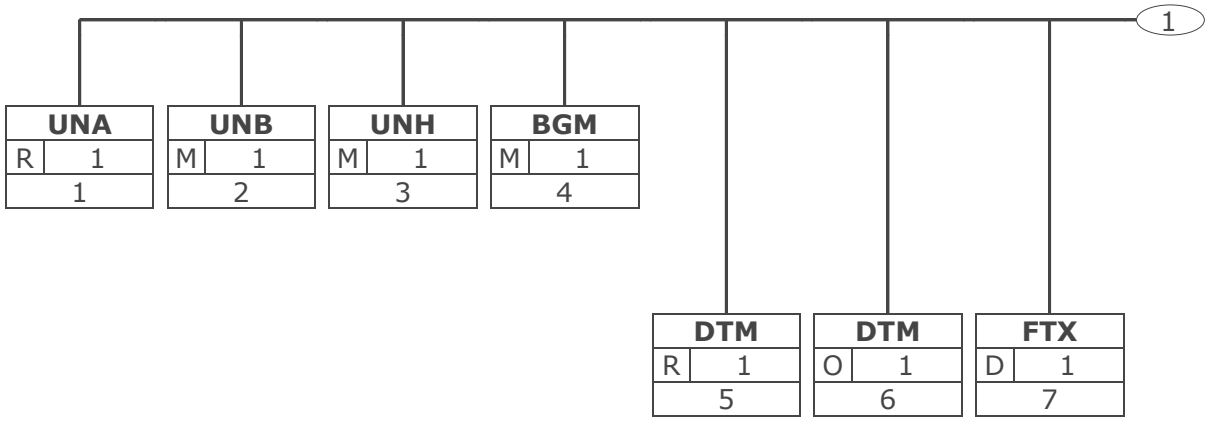
Detail section
Specification of SSCC to identify shipments and quantity.

Summary section
Specification of totals of the message.

Business Terms

Business Term	EANCOM-Segment			Data Element	
	Seg.-No.	Segment	SG	DEG	DE
Acknowledgement request	2	UNB			0031
Address for reverse routing	2	UNB		S002	0008
Application reference	2	UNB			0026
Character set	2	UNB		S001	0001
Component data element separator	1	UNA			UNA1
Confirmed / Alternative time slot	6	DTM		C507	2380
Creation date	5	DTM		C507	2380
Data element separator	1	UNA			UNA2
Decimal notation	1	UNA			UNA3
Document number IFTMBF	8	RFF	SG2#1	C506	1154
EANCOM	2	UNB			0032
End of the transmission file	15	UNZ			0036
File creation date	2	UNB		S004	0017
File creation time	2	UNB		S004	0019
Identification of the Logistic Service Provider (Transport)	12	NAD	SG6#2	C082	3039
Identification of the supplier/ customer	13	NAD	SG6#3	C082	3039
Identification of the Time Slot Management System (ZFS)	11	NAD	SG6#1	C082	3039
Indentification of the receiver of the transmission file	2	UNB		S003	0010
Indentification of the sender of the transmission file	2	UNB		S002	0004
Interchange control reference, beginnig	2	UNB			0020
Interchange control reference, end	15	UNZ			0020
Message reference number	3	UNH			0062
Number of booking / reservation confirmation. Assigned by the sender.	4	BGM		C106	1004
Number of messages or message groups	15	UNZ			0036
Password interchange	2	UNB		S005	0022
Release character	1	UNA			UNA4
Reserved for future use	1	UNA			UNA5
Routing address	2	UNB		S003	0014
Segment terminator	1	UNA			UNA6
Slot booking number	10	RFF	SG2#3	C506	1154
Status confirmation	4	BGM			4343
Status reason	7	FTX		C107	4441
Syntax version	2	UNB		S001	0002
Test indicator	2	UNB			0035
Time slot status	7	FTX			4451
Total number of segments	14	UNT			0074
Transport ID	9	RFF	SG2#2	C506	1154

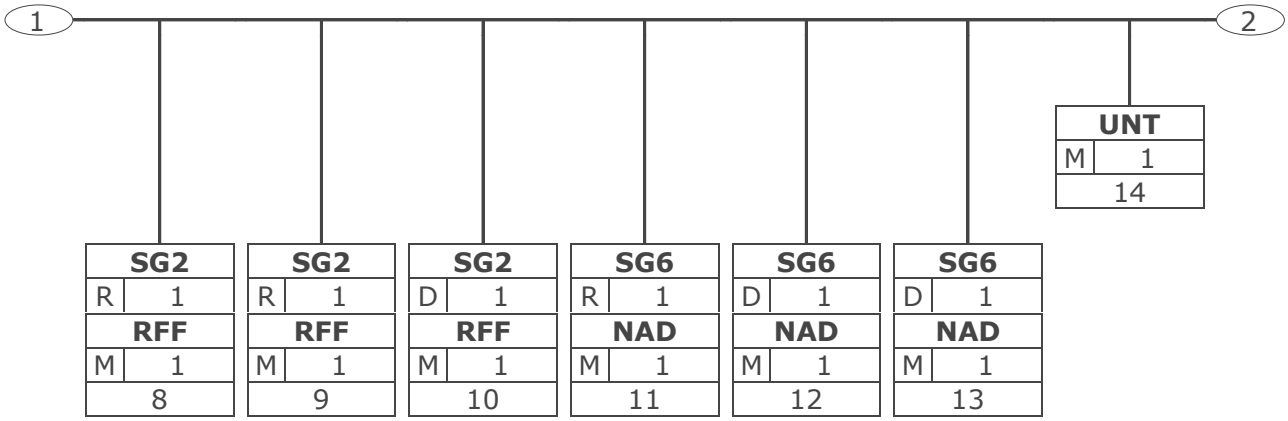
Branching Diagram



Tag	
St	MaxOcc
No	

Tag = Segment/Group Tag
St = Status (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
MaxOcc = Maximum occurrence of the segment/group; No = Consecutive segment number

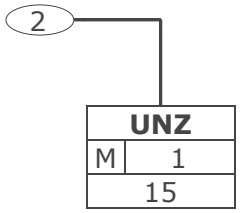
Branching Diagram



Tag	
St	MaxOcc
No	

Tag = Segment/Group Tag
St = Status (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
MaxOcc = Maximum occurrence of the segment/group; No = Consecutive segment number

Branching Diagram



Tag	
St	MaxOcc
No	

Tag = Segment/Group Tag
St = Status (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
MaxOcc = Maximum occurrence of the segment/group; No = Consecutive segment number

Message Structure

Seg.	No.	Status	Max Occ	Segment
UNA	1	R	1	Used character set
UNB	2	M	1	Beginning of transmission file
Heading Section				
UNH	3	M	1	Beginn of message
BGM	4	M	1	Document number
DTM	5	R	1	Creation date
DTM	6	O	1	Confirmed / Alternative time slot
FTX	7	D	1	Time slot status & Status reason
SG2		R	1	RFF
RFF	8	M	1	Document number IFTMBF
SG2		R	1	RFF
RFF	9	M	1	Transport ID
SG2		D	1	RFF
RFF	10	M	1	Slot booking number
SG6		R	1	NAD
NAD	11	M	1	Identification of the Time Slot Management System (ZFS)
SG6		D	1	NAD
NAD	12	M	1	Identification of the Logistic Service Provider (Transport)
SG6		D	1	NAD
NAD	13	M	1	Identification of the supplier/ customer
Summary Section				
UNT	14	M	1	End of message
UNZ	15	M	1	End of the transmission file

Max. Occ. = Maximum occurrence of the segment/group, Status: M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent

Segment Layout

No.	Seg	St	Max. Occ.	
1	**UNA**	R	1	Service string advice

To define the characters selected for use as delimiters and indicators in the rest of the interchange that follows.

Business Term	DE	EDIFACT	Format	St	*	Description
Component data element separator	UNA1	Component data element separator	an1	M		Default value: ":"
Data element separator	UNA2	Data element separator	an1	M		Default value: "+"
Decimal notation	UNA3	Decimal notation	an1	M		Default value: "."
Release character	UNA4	Release indicator	an1	M		Default value: "?"
Reserved for future use	UNA5	Reserved for future use	an1	M		(Default value: space)
Segment terminator	UNA6	Segment terminator	an1	M		Default value: " ' "

Segmentstatus: Mandatory
The use of the UNA segment is mandatory, if character set "A" (UNB,DE0001) is not used.
For international EDI the use of character set UNOA is recommended. For national (German) EDI the use of UNOC is reasonable because it contains lower case letters and umlauts.

Example: `UNA:+.? '`
The UNA segment contains the default service string characters.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

No.	Seg	St	Max. Occ.				
2	**UNB**	M	1	Interchange header To start, identify and specify an interchange.			
Business Term	**DE**	**EDIFACT**	**Format**	**St**	*****	**Description**	
	S001	Syntax identifier		M			
Character set	0001	Syntax identifier	a4	M		UNOA UN/ECE level A UNOB UN/ECE level B UNOC UN/ECE level C UNOD UN/ECE level D UNOE UN/ECE level E UNOF UN/ECE level F	
Syntax version	0002	Syntax version number	n1	M	*	3 Version 3	
	S002	Interchange sender		M			
Indentification of the sender of the transmission file	0004	Sender identification	an..35	M		= Global Location Number (GLN)	
	0007	Partner identification code qualifier	an..4	R	*	14 GS1	
Address for reverse routing	0008	Address for reverse routing	an..14	O		See note	
	S003	Interchange recipient		M			
Indentification of the receiver of the transmission file	0010	Recipient identification	an..35	M		= Global Location Number (GLN)	
	0007	Partner identification code qualifier	an..4	R	*	14 GS1	
Routing address	0014	Routing address	an..14	O		See note	
	S004	Date/time of preparation		M			
File creation date	0017	Date of preparation	n6	M		= Dateformat JJMMTT	
File creation time	0019	Time of preparation	n4	M		= Timeformat HHMM	
Interchange control reference, beginnig	0020	Interchange control reference	an..14	M		= Unique senders reference	
	S005	Recipient's reference, password		O			
Password interchange	0022	Recipient's reference/ password	an..14	M			
	0025	Recipient's reference/ password qualifier	an2	O	*	AA Reference BB Password	
Application reference	0026	Application reference	an..14	O		Message type if the transmission fole contains only one message type	
	0029	Processing priority code	a1	O	*	A Highest priority	
Acknowledgement request	0031	Acknowledgement request	n1	O			
EANCOM	0032	Communications agreement ID	an..35	R		= EANCOM... EDIFACT subset identification (see note)	
Test indicator	0035	Test indicator	n1	O	*	1 Interchange is a test	

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

Segmentstatus: Mandatory
For international EDI the use of character set UNOA is recommended. For national (German) EDI the use of UNOC is reasonable because it contains lower case letters and umlauts.
Note DE 0008:
The address for reverse routing is provided by the interchange sender to inform the interchange recipient of the address within the sender's (source) system to which responding interchanges must be sent. It is recommended that the GLN be used for this purpose.
Note DE 0014:
The routing adress is used to identify the receiver, if a provider adds service values for the actual receiver (e.g. consolidated companies, corporate group). The use of the identification system (e.g. GLN) has to be agreed bilaterally.
Note DE 0020:
This data element must contain a consistent sequential number per interchange between sender and receiver of the transmission.
Note DE 0032:
This data element is used to identify any underlying agreements which control the exchange of data. Within EANCOM , the identity of such agreements must start with the letters 'EANCOM', the remaining characters within the data element being filled according to bilateral agreements.

Example: `UNB+UNOC:3+4012345000009:14:4012345000018+4000004000002:14:4000004000099+161013:1043+4711+REF:AA++++EANCOM+1'`
The EANCOM file 4711 dated 13.10.2016, 10 h 43 is sent by the issuer identified with GLN 4012345000009 to the receiver identified with GLN 4000004000002.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

No. Seg	St	Max. Occ.					
3 **UNH**	M	1	Message header To head, identify and specify a message.				
Business Term	**DE**	**EDIFACT**	**Format**	**St**	*****	**Description**	
Message reference number	0062	Message reference number	an..14	M		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		M			
	0065	Message type	an..6	M	*	IFTMBC	Booking confirmation message
	0052	Message version number	an..3	M	*	D	Draft version/ UN/EDIFACT Directory
	0054	Message release number	an..3	M	*	01B	Release 2001 - B
	0051	Controlling agency	an..2	M	*	UN	UN/CEFACT
	0057	Association assigned code	an..6	R	*	EAN003	GS1 version control number (GS1 Permanent Code) Indicates that the message is the EANCOM version 004 of the UNSM Transport Instructions.

Segmentstatus: Mandatory
This segment is used to head, identify and specify a message.

Example: `UNH+ME000001+IFTMBC:D:01B:UN:EAN003'`
The reference number of the IFTMBC message is ME000001.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

No. Seg		St	Max. Occ.				
4	**BGM**	M	1	Beginning of message			
To indicate the type and function of a message and to transmit the identifying number.							
Business Term	**DE**	**EDIFACT**	**Format**	**St**	*****	**Description**	
	C002	Document/message name		R			
	1001	Document name code	an..3	R	*	770	Booking confirmation
	C106	Document/message identification		R			
Number of booking / reservation confirmation. Assigned by the sender.	1004	Document identifier	an..35	R			
	1225	Message function code	an..3	R	*	9 31	Original Copy
Status confirmation	4343	Response type code	an..3	R	*	AP	Accepted

Segmentstatus: Mandatory
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.
Notes on DE1225: 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 booking/reservation confirmation message.
31 = Copy - Copy of a booking/reservation confirmation for a third party note.

Example: `BGM+770+569953+9+AP'`
The number of the booking/reservation confirmation is 569953 and the previously sent booking/reservation was accepted without restriction.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

No.	Seg	St	Max. Occ.
5	**DTM**	R	1

Date/time/period

To specify date, and/or time, or period.

Business Term	DE	EDIFACT	Format	St	*	Description
	C507	Date/time/period		M		
	2005	Date or time or period function code qualifier	an..3	M	*	137 Document/ message date/ time
Creation date	2380	Date or time or period value	an..35	R		
	2379	Date or time or period format code	an..3	R		102 CCYYMMDD 203 CCYYMMDDHHMM

Segmentstatus: Mandatory
Identification of the 'Document/message date/time' (code value 137) is mandatory in the invoice message.

Example: `DTM+137:20160823:102'`
The document date is the 23th of August 2016.
Example: `DTM+137:201701100800:203'`
The document date is the 23th of August 2016, 8 o'clock.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

No.	Seg	St	Max. Occ.				
6	**DTM**	O	1	Date/time/period			
To specify date, and/or time, or period.							
Business Term	**DE**	**EDIFACT**	**Format**	**St**	*****	**Description**	
	C507	Date/time/period		M			
	2005	Date or time or period function code qualifier	an..3	M	*	179 Booking date/time	
Confirmed / Alternative time slot	2380	Date or time or period value	an..35	R			
	2379	Date or time or period format code	an..3	R		102 CCYYMMDD 203 CCYYMMDDHHMM 719 CCYYMMDDHHMM-CCYYMMDDHHMM	

Segmentstatus: Optional
Date and/or time of the confirmed or alternative time slot.
Note: Specification is required if a requested time slot is confirmed or an alternative time slot is transferred. If the time period (e.g. 8-12) is specified, the earliest possible time slot is confirmed.
Note: The specification of up to 8 alternative time slots is possible if the time slot (s) returned are different from those in the IFTMBF. The priority depends on the order of the entry and must be discussed bilaterally.

Example: `DTM+179:201607201000201607201100:719'`
The confirmed time slot for delivery is on the 20th of July 2016, between 10 and 11 o'clock.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

No.	Seg	St	Max. Occ.				
7	**FTX**	D	1	Free text			
To provide free form or coded text information.							
Business Term	**DE**	**EDIFACT**	**Format**	**St**	*****	**Description**	
Time slot status	4451	Text subject code qualifier	an..3	M	*	CHG NAI	Change information Non-acceptance information (GS1 Temporary Code)
	4453	Free text function code	an..3	N			
	C107	Text reference		D		This data element group is only used if the business partners have agreed to use bilaterally agreed code values.	
Status reason	4441	Free text value code	an..17	M	*	4 5 6	= No time slot available = Time slot is not bookable (too early / too late = Others
	1131	Code list identification code	an..17	N			
	3055	Code list responsible agency code	an..3	D	*	246	GS1 Germany

Segmentstatus: Dependent
Status message (change or rejection) and reason for the IFTMBF request. Also applies to updates and cancellations.
Notes:
The confirmation of the IFTMBF is given in the BGM segment (DE 4343).
In the case of (change or rejection) of the IFTMBF, the specification of this segment is mandatory.
This segment is used to specify unformatted or encoded textual information that affects 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.

Example: `FTX+NAI++33::246'`
The previous IFTMBF was rejected for other reasons.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

No.	Seg	St	Max. Occ.	
8	**SG2**	R	1	RFF
	RFF	M	1	Reference

To specify a reference.

Business Term	DE	EDIFACT	Format	St	*	Description
	C506	Reference		M		
	1153	Reference code qualifier	an..3	M	*	ACW Reference number to previous message
Document number IFTMBF	1154	Reference identifier	an..70	R		

Segmentstatus: Mandatory
Number of the IFTMBF to be answered.

Example: `RFF+ACW:569951'`
The consignment refers to the document number of IFTMBF 569951.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

No.	Seg	St	Max. Occ.	
9	**SG2**	R	1	RFF
	RFF	M	1	Reference
	To specify a reference.			

Business Term	DE	EDIFACT	Format	St	*	Description
	C506	Reference		M		
	1153	Reference code qualifier	an..3	M	*	TRI Transport instruction number (GS1 Temporary Code)
Transport ID	1154	Reference identifier	an..70	R		

Segmentstatus: Mandatory
Unigue identification of the transport by the dispatcher (tour reference).

Example: `RFF+TRI:707'`
The consignment refers to the transport ID 707.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

No.	Seg	St	Max. Occ.	
10	**SG2**	D	1	RFF
	RFF	M	1	Reference

To specify a reference.

Business Term	DE	EDIFACT	Format	St	*	Description
	C506	Reference		M		
	1153	Reference code qualifier	an..3	M	*	BN Booking reference number
Slot booking number	1154	Reference identifier	an..70	R		

Segmentstatus: Dependent
Unigue identification of the slot booking number assigned by the Time Management System (ZFS).
Note: If a slot booking number is available, this must be transmitted in this message.

Example: `RFF+BN:280174'`
The slot booking number is 280174.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

No.	Seg	St	Max. Occ.	
11	**SG6**	R	1	NAD
	NAD	M	1	Name and address

To specify the name/address and their related function, either by C082 only and/or unstructured by C058 or structured by C080 thru 3207.

Business Term	DE	EDIFACT	Format	St	*	Description
	3035	Party function code qualifier	an..3	M	*	DER Source data pool
	C082	Party identification details		A		
Identification of the Time Slot Management System (ZFS)	3039	Party identifier	an..35	M		Global Location Number (GLN) - Format n13
	1131	Code list identification code	an..17	N		
	3055	Code list responsible agency code	an..3	R	*	9 GS1

Segmentstatus: Mandatory
The NAD segment is used to specify the a partner.
The Time Slot Management System (ZFS) is identified by GLN.
DE 3039: The use of the Global Location Number (GLN) is recommended for the identification of the partners. When GLN is used, it is sufficient.

Example: `NAD+DER+4000862141422::9'`
The GLN of the ZFS is 4000862141422.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

No.	Seg	St	Max. Occ.	
	SG6	D	1	NAD
12	**NAD**	M	1	Name and address

To specify the name/address and their related function, either by C082 only and/or unstructured by C058 or structured by C080 thru 3207.

Business Term	DE	EDIFACT	Format	St	*	Description
	3035	Party function code qualifier	an..3	M	*	LSP Logistic Service Provider (GS1 Temporary Code)
	C082	Party identification details		A		
Identification of the Logistic Service Provider (Transport)	3039	Party identifier	an..35	M		Global Location Number (GLN) - Format n13
	1131	Code list identification code	an..17	N		
	3055	Code list responsible agency code	an..3	R	*	9 GS1
	C058	Name and address		O		This composite may only be used to fulfill the requirements of directive 2003/58/EG, article 4. If applicable the message sender gets the possibility to give the relevant statements at this place. If C058 ist not sufficient, more declaration can be given in following RFF+GN... segments.
	3124	Name and address description	an..35	M		
	3124	Name and address description	an..35	O		
	3124	Name and address description	an..35	O		
	3124	Name and address description	an..35	O		
	3124	Name and address description	an..35	O		

Segmentstatus: Dependent
The Logistic Service Provider (Transport) is identified by GLN.
In general, the Logistics Service Provider (Transport) is identified by its GLN. The for the transport responsible logistics service provider does not necessarily have to drive by himself.
The logistics service provider (transport) must be specified if he is the sender of the message.

Example: `NAD+LSP+5412345000114::9+X:X:X:X:X'`
The GLN of the Logistc Servie Provider (Transport) is 5412345000114.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

No.	Seg	St	Max. Occ.	
	SG6	D	1	NAD
13	**NAD**	M	1	Name and address

To specify the name/address and their related function, either by C082 only and/or unstructured by C058 or structured by C080 thru 3207.

Business Term	DE	EDIFACT	Format	St	*	Description
	3035	Party function code qualifier	an..3	M	*	SU Supplier
	C082	Party identification details		A		
Identification of the supplier/customer	3039	Party identifier	an..35	M		Global Location Number (GLN) - Format n13
	1131	Code list identification code	an..17	N		
	3055	Code list responsible agency code	an..3	R	*	9 GS1
	C058	Name and address		O		This composite may only be used to fulfill the requirements of directive 2003/58/EG, article 4. If applicable the message sender gets the possibility to give the relevant statements at this place. If C058 ist not sufficient, more declaration can be given in following RFF+GN... segments.
	3124	Name and address description	an..35	M		
	3124	Name and address description	an..35	O		
	3124	Name and address description	an..35	O		
	3124	Name and address description	an..35	O		
	3124	Name and address description	an..35	O		

Segmentstatus: Dependent
The identification of the supplier/customer is identified by GLN.
The supplier must be indicated if he is the sender of the message.

Example: `NAD+SU+5412345000114::9+X:X:X:X:X'`
The GLN of the supplier is 5412345000114.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

No.	Seg	St	Max. Occ.	
14	**UNT**	M	1	Message trailer

To end and check the completeness of a message.

Business Term	DE	EDIFACT	Format	St	*	Description
Total number of segments	0074	Number of segments in the message	n..6	M		
	0062	Message reference number	an..14	M		The reference number from the UNH segment must be repeated here.

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

Example: `UNT+12+ME000001'`
The message contains 12 segments.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

No.	Seg	St	Max. Occ.				
15	**UNZ**	M	1	Interchange trailer			
	To end and check the completeness of an interchange.						
Business Term		DE	EDIFACT	Format	St	*	Description
End of the transmission file Number of messages or message groups		0036	Interchange control count	n..6	M		Number of messages or message groups in the transmission file.
Interchange control reference, end		0020	Interchange control reference	an..14	M		Interchange control reference, identical with UNB DE 0020.

Segmentstatus: Mandatory
The UNZ segment is the last segment of the transmission file.
Note DE 0036:
If functional groups are not used, this is the number of messages within the interchange.

Example: `UNZ+1+4711'`
The transmission file contains 1 message.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Used Codes

0001	Syntax identifier Coded identification of the agency controlling a syntax and syntax level used in an interchange. Notes: 1. a3, upper case, Controlling Agency (e.g. UNO=UN/ECE) and a1 stating level (e.g. A) (which together give UNOA).
UNOA	UN/ECE level A As defined in the basic code table of ISO 646 with the exceptions of lower case letters, alternative graphic character allocations and national or application-oriented graphic character allocations.
UNOB	UN/ECE level B As defined in the basic code table of ISO 646 with the exceptions of alternative graphic character allocations and national or application-oriented graphic character allocations.
UNOC	UN/ECE level C As defined in ISO 8859-1 : Information processing - Part 1: Latin alphabet No. 1.
UNOD	UN/ECE level D As defined in ISO 8859-2 : Information processing - Part 2: Latin alphabet No. 2.
UNOE	UN/ECE level E As defined in ISO 8859-5 : Information processing - Part 5: Latin/Cyrillic alphabet.
UNOF	UN/ECE level F As defined in ISO 8859-7 : Information processing - Part 7: Latin/Greek alphabet.
UNOG	UN/ECE level G As defined in ISO 8859-3 : Information processing - Part 3: Latin alphabet.
UNOH	UN/ECE level H As defined in ISO 8859-4 : Information processing - Part 4: Latin alphabet.
UNOI	UN/ECE level I As defined in ISO 8859-6 : Information processing - Part 6: Latin/Arabic alphabet.
UNOJ	UN/ECE level J As defined in ISO 8859-8 : Information processing - Part 8: Latin/Hebrew alphabet.
UNOK	UN/ECE level K As defined in ISO 8859-9 : Information processing - Part 9: Latin alphabet.

Used Codes

UNOW	UN/ECE level W ISO 10646-1 octet with code extension technique to support UTF-8 (UCS Transformation Format, 8 bit) encoding.
UNOX	UN/ECE level X Code extension technique as defined by ISO 2022 utilising the escape techniques in accordance with ISO 2375.
UNOY	UN/ECE level Y ISO 10646-1 octet without code extension technique.

0002	Syntax version number Version number of the syntax identified in the syntax identifier (0001) Notes: 1. Increments 1 for each version.
3	Version 3 ISO 9735 Amendment 1:1992. GS1 Description: Syntax version number 3. This code can be used with all of the character sets (A, B, C, D, E and F).

0007	Partner identification code qualifier Qualifier referring to the source of codes for the identifiers of interchanging partners. Notes: 1. Used with sender/recipient identification code.
14	GS1 Partner identification code assigned by GS1, an international organization of GS1 Member Organizations that manages the GS1 System.

0025	Recipient's reference/password qualifier Qualifier for the recipient's reference or password. Notes: 1. If specified in IA.
AA	Reference Recipient's reference/password is a reference.
BB	Password Recipient's reference/password is a password.

Used Codes

0029	Processing priority code Code determined by the sender requesting processing priority for the interchange. Notes: 1. Used if specified in IA.
A	Highest priority Requested processing priority is the highest.
0031	Acknowledgement request Code determined by the sender for acknowledgement of the interchange. Notes: 1. Set = 1 if sender requests acknowledgement, i.e. UNB and UNZ segments received and identified.
1	Requested Acknowledgement is requested.
0035	Test indicator Indication that the interchange is a test. Notes: 1. Set = 1 if the interchange is a test. Otherwise not used.
1	Interchange is a test Indicates that the interchange is a test.
0051	Controlling agency Code to identify the agency controlling the specification, maintenance and publication of the message type.
UN	UN/CEFACT United Nations Centre for Trade Facilitation and Electronic Business (UN/CEFACT). GS1 Description: UN Economic Commission for Europe (UN/ECE), Committee on the development of trade (TRADE), Working Party on facilitation of international trade procedures (WP.4).
0052	Message version number Version number of a message type. Notes: 1. If UNG/UNE is used, shall be identical in UNG and UNE. The representation of 0052 was specified as n..3 in version 1 of ISO 9735.

Used Codes

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 release number Release number within the current message type version number (0052). Notes: 1. The representation of 0054 was specified as n..3 in version 1 of ISO 9735.
01B	Release 2001 - B Message approved and issued in the second 2001 release of the UNTDID (United Nations Trade Data Interchange Directory).
0057	Association assigned code A code assigned by the association responsible for the design and maintenance of the message type concerned, which further identifies the message.
EAN003	GS1 version control number (GS1 Permanent Code)
0065	Message type Code identifying a type of message and assigned by its controlling agency. Notes: 1. Type of message being transmitted.
IFTMBC	Booking confirmation message A code to identify the booking confirmation message. GS1 Description: Message from the party providing forwarding and/or transport services to the party booking those services giving the confirmation information to the booking of the consignment concerned. A confirmation might read that the booking of a consignment is accepted, pending, conditionally accepted or rejected. The conditions under which requested services take place may be given in this message.
1001	Document name code Code specifying the document name.
770	Booking confirmation Document/message issued by a carrier to confirm that space has been reserved for a consignment in means of transport.
1153	Reference code qualifier Code qualifying a reference.

Used Codes

ACW	Reference number to previous message Reference number assigned to the message which was previously issued (e.g. in the case of a cancellation, the primary reference of the message to be cancelled will be quoted in this element).
BN	Booking reference number [1016] Reference number assigned by the carrier or his agent when cargo space is reserved prior to loading.
TRI	Transport instruction number (GS1 Temporary Code) A reference number identifying a transport instruction.
1225	Message function code Code indicating the function of the message.
9	Original Initial transmission related to a given transaction.
31	Copy Indicates that the message is a copy of an original message that has been sent, e.g. for action or information.
2005	Date or time or period function code qualifier Code qualifying the function of a date, time or period.
137	Document/message date/time (2006) Date/time when a document/message is issued. This may include authentication.
179	Booking date/time Date at which the booking was made.
2379	Date or time or period format code Code specifying the representation of a date, time or period.
2	DDMMYY Calendar date: D = Day; M = Month; Y = Year.
101	YYMMDD Calendar date: Y = Year; M = Month; D = Day.
102	CCYYMMDD Calendar date: C = Century ; Y = Year ; M = Month ; D = Day.
104	MMWW-MMWW A period of time specified by giving the start week of a month followed by the end week of a month. Data is to be transmitted as consecutive characters without hyphen.
107	DDD Day's number within a specific year: D = Day.

Used Codes

108	WW Week's number within a specific year: W = Week.
109	MM Month's number within a specific year: M = Month.
110	DD Day's number within is a specific month.
201	YYMMDDHHMM Calendar date including time without seconds: Y = Year; M = Month; D = Day; H = Hour; M = Minute.
203	CCYYMMDDHHMM Calendar date including time with minutes: C=Century; Y=Year; M=Month; D=Day; H=Hour; M=Minutes.
204	CCYYMMDDHHMMSS Calendar date including time with seconds: C=Century;Y=Year; M=Month; D=Day;H=Hour;M=Minute;S=Second.
401	HHMM Time without seconds: H = Hour; m = Minute.
501	HHMMHHMM Time span without seconds: H = Hour; m = Minute;.
502	HHMMSS-HHMMSS Format of period to be given without hyphen.
602	CCYY Calendar year including century: C = Century; Y = Year.
609	YYMM Month within a calendar year: Y = Year; M = Month.
610	CCYYMM Month within a calendar year: CC = Century; Y = Year; M = Month.
615	YYWW Week within a calendar year: Y = Year; W = Week 1st week of January = week 01.
616	CCYYWW Week within a calendar year: CC = Century; Y = Year; W = Week (1st week of January = week 01).
713	YYMMDDHHMM-YYMMDDHHMM Format of period to be given in actual message without hyphen.
715	YYWW-YYWW A period of time specified by giving the start week of a year followed by the end week of year (both not including century). Data is to be transmitted as consecutive characters without hyphen.

Used Codes

717	YYMMDD-YYMMDD Format of period to be given in actual message without hyphen.
718	CCYYMMDD-CCYYMMDD Format of period to be given without hyphen.
719	CCYYMMDDHHMM-CCYYMMDDHHMM A period of time which includes the century, year, month, day, hour and minute. Format of period to be given in actual message without hyphen.
720	DHHMM-DHHMM Format of period to be given without hyphen (D=day of the week, 1=Monday; 2=Tuesday; ... 7=Sunday).
801	Year To indicate a quantity of years.
802	Month To indicate a quantity of months.
803	Week To indicate a quantity of weeks.
804	Day To indicate a quantity of days.
805	Hour To indicate a quantity of hours.
806	Minute To indicate a quantity of minutes.
810	Trimester To indicate a quantity of trimesters (three months).
811	Half month To indicate a quantity of half months.
21E	DDHHMM-DDHHMM (GS1 Temporary Code) Format of period to be given in actual message without hyphen.

3035	Party function code qualifier Code giving specific meaning to a party.
DER	Source data pool A data pool that supports the functionality required by a data source such as data loading, publication, notification, registration, etc.
LSP	Logistic Service Provider (GS1 Temporary Code) A party providing logistic services for another party (e.g re-packing suppliers products) on products which may lead to added value for the product.

Used Codes

SU	Supplier Party who supplies goods and/or services. GS1 Description: Party which provides service(s) and/or manufactures or otherwise has possession of goods, and consigns or makes them available in trade.
3055	Code list responsible agency code Code specifying the agency responsible for a code list.
9	GS1 GS1 (formerly EAN International), an organisation of GS1 Member Organisations, which manages the GS1 System. GS1 Description: GS1 International.
246	GS1 Germany Organisation responsible for GS1 System in Germany. GS1 Description: German representative of International Article Numbering association (GS1).
4343	Response type code Code specifying the type of acknowledgment required or transmitted.
AP	Accepted Indication that the referenced offer or transaction (e.g., cargo booking or quotation request) has been accepted.
4441	Free text value code Code specifying free form text.
4	= No time slot available
5	= Time slot is not bookable (too early / too late
6	= Others
4451	Text subject code qualifier Code qualifying the subject of the text.
CHG	Change information Note contains change information.
NAI	Non-acceptance information (GS1 Temporary Code) Information related to the non-acceptance of an order, goods or a consignment.

Example

UNA:+.? '
The UNA segment contains the default service string characters.

UNB+UNOC:3+4012345000009:14:4012345000018+4000004000002:14:4000004000099
+161013:1043+4711+REF:AA++++EANCOM+1'
The EANCOM file 4711 dated 13.10.2016, 10 h 43 is sent by the issuer identified with GLN 4012345000009 to the receiver identified with GLN 4000004000002.

UNH+ME000001+IFTMBC:D:01B:UN:EAN003'
The reference number of the IFTMBC message is ME000001.

BGM+770+569953+9+AP'
The number of the booking/reservation confirmation is 569953 and the previously sent booking/reservation was accepted without restriction.

DTM+137:20160823:102'
The document date is the 23th of August 2016.

DTM+179:201607201000201607201100:719'
The confirmed time slot for delivery is on the 20th of July 2016, between 10 and 11 o'clock.

FTX+NAI++33::246'
The previous IFTMBF was rejected for other reasons.

RFF+ACW:569951'
The consignment refers to the document number of IFTMBF 569951.

RFF+TRI:707'
The consignment refers to the transport ID 707.

RFF+BN:280174'
The slot booking number is 280174.

NAD+DER+4000862141422::9'
The GLN of the ZFS is 4000862141422.

NAD+LSP+5412345000114::9+X:X:X:X:X'
The GLN of the Logistc Servie Provider (Transport) is 5412345000114.

NAD+SU+5412345000114::9+X:X:X:X:X'
The GLN of the supplier is 5412345000114.

UNT+12+ME000001'
The message contains 12 segments.

UNZ+1+4711'
The transmission file contains 1 message.