Message definition
INVRPT- Inventory report message
Fashion - Austria
EANCOM 2002 (Syntax 3)
Version 1.0

Message Type:	INVRPT
Message Version:	006 (EANCOM)
Responsible Agency:	GS1 Austria
Directory Name:	EDIFACT
Directory Version:	D.01.B

About this document

EDIFACT is a set of internationally agreed standards for the electronic interchange of data that was limited in form of EANCOM to those components which are really relevant for the consumer goods industry. The goal of the Austrian FASHION-Initiative is, based on EANCOM to develop more precise standard profiles applicable in the Austrian consumer goods industry.

The practice in Austria today shows that normally two potential business partner which are intending to exchange data electronically come together with EANCOM specialists (GS1-Austria, Converter provider) and develop specific application profiles from the EANCOM standard which corresponds to their specific business needs. In order to save time and efforts it is necessary to try to reduce the complexity.

> **Standard application profiles should be seen as a recommendation from Fashion-Austria-Initiative aiming to promote fast and aria-wide implementation of EANCOM. They should unify the interpretation of all contained fields and cover „90 %" of the business requirements. All requirements which are not a part of these standard application profiles have to be agreed bilateral between business partners.**
>
> **All data fields marked as mandatory in the current documentation are considered as obligatory components in all EANCOM messages.**

This document describes the data fields defined for this message type using EANCOM syntax. It deals only with these EANCOM-segments that are really relevant for the business purposes. **Therefore this document does not describe the whole set of EANCOM standards and does not replace the EANCOM manual.**

By this reason it is recommended by the implementation of this message to use beside this guideline also the EANCOM manual (available by GS1-Austria).
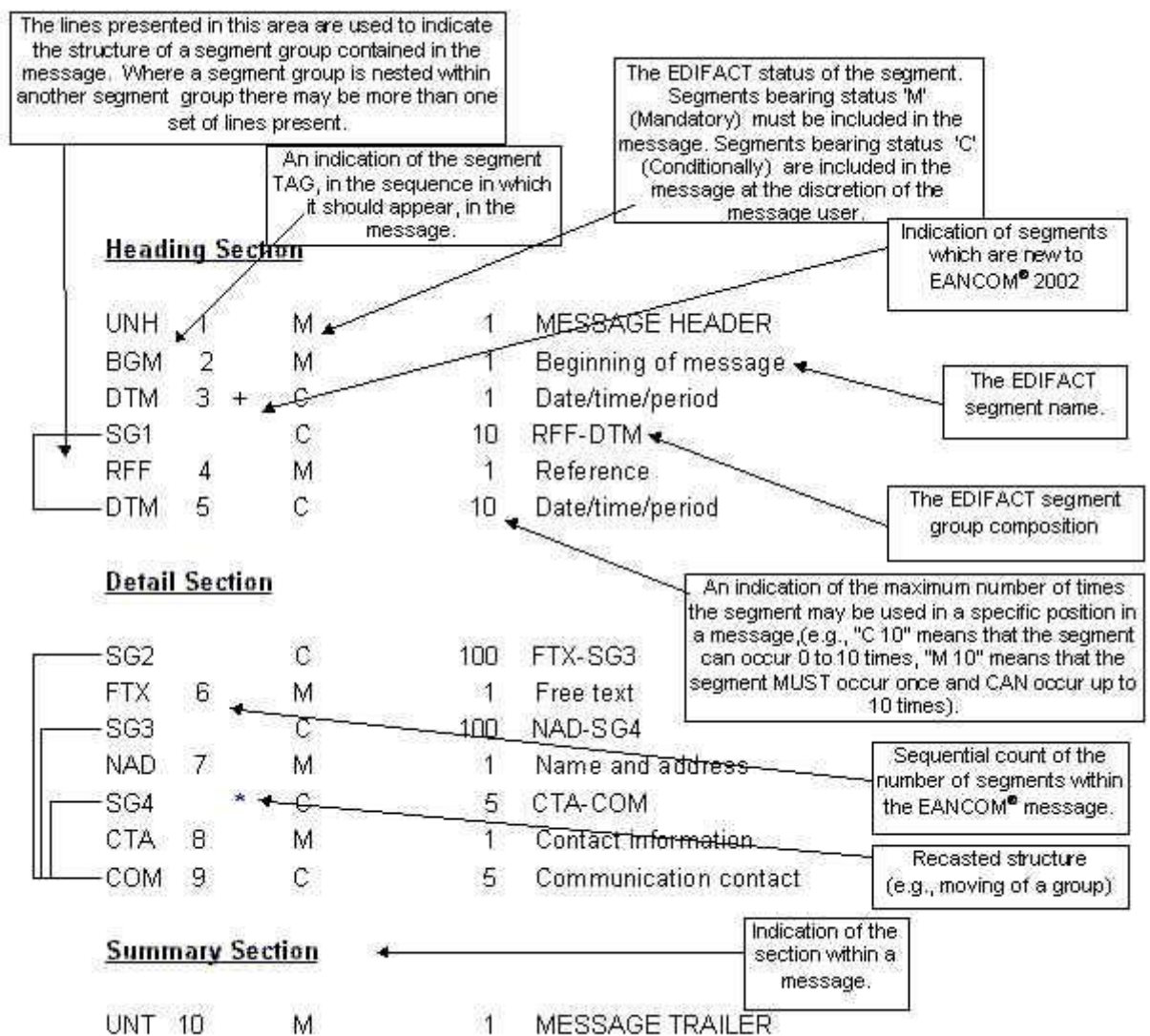
Document structure

1. Message structure
2. Business terms
3. Segment description

Message Structure Chart

Within every EANCOM® message a diagram is presented which explains the structure of the message.

The message structure chart is a sequential chart which presents the message in the sequence in which it must be formatted for transmission. Every message is structured and consists of three sections; a header, detail, and summary section. An example of a message structure chart follows:

Segments Layout

This section describes each segment used in the EANCOM Commercial invoice message. The original EDIFACT segment layout is listed. The appropriate comments relevant to the EANCOM subset are indicated.

Notes:

1.   The segments are presented in the sequence in which they appear in the message. The segment or segment group tag is followed by the (M)andatory / (C)onditional indicator, the maximum number of occurrences and the segment description.

2.   Reading from left to right, in column one, the data element tags and descriptions are shown, followed by in the third column the EDIFACT status (M or C), the field format, and the picture of the data elements. These first pieces of information constitute the original EDIFACT segment layout.

Following the EDIFACT information, EANCOM specific information is provided in the fourth, fifth and sixth columns. In the fourth column a status indicator for the use of (C)onditional EDIFACT data elements (see 2.1 through 2.3 below), in the fifth column the restricted indicator (see point 3 on the following page), and in the sixth column notes and code values used for specific data elements in the message.

2.1   (**M**)andatory data elements in EDIFACT segments retain their status in EANCOM.

2.2   Additionally, there are five types of status for data elements with a (C)onditional EDIFACT status, whether for simple, component or composite data elements. These are listed below and can be identified when relevant by the following abbreviations:

-   REQUIRED   **R**   Indicates that the entity is required and must be sent.

-   ADVISED   **A**   Indicates that the entity is advised or recommended.

-   DEPENDENT   **D**   Indicates that the entity must be sent in certain conditions, as defined by the relevant explanatory note.

-   OPTIONAL   **O**   Indicates that the entity is optional and may be sent at the discretion of the user.

-   NOT USED   **N**   Indicates that the entity is not used and should be omitted.

2.3   If a composite is flagged as **N, NOT USED**, all data elements within that composite will have blank status indicators assigned to them.

3.   Status indicators detailed in the fifth column which directly relate to the code values detailed in the first column may have two values:

-      RESTRICTED   *****   A data element marked with an asterix (*) in the fifth column is (are) the only codes available for use with this data element, in this segment, in this message.

-      OPEN   All data elements where coded representation of data is possible and a restricted set of code values is not indicated are open (no asterix in fourth column). The available codes are listed in the EANCOM Data Elements and Code Sets Directory. Code values may be given as examples or there may be a note on the format or type of code to be used.

Inventory report message

UNH	1	**M**	1	Message header
BGM	2	**M**	1	Beginning of message
DTM	3	**M**	2	Date/time/period
SG2		**M**	3	NAD
NAD	4	**M**	1	Name and address
SG9		**M**	999999	LIN-PIA-IMD-SG11
LIN	5	**M**	1	Line item
PIA	6	**C**	2	Additional product id
IMD	7	**C**	2	Item description
SG11		**M**	9999	INV-QTY-DTM
INV	8	**M**	1	Inventory management related details
QTY	9	**M**	1	Quantity
DTM	10	**C**	1	Date/time/period
UNT	11	**M**	1	Message trailer

BUSINESS TERMS

Business term	Description	Status	Format	Segment		Data element		
Message type		M	A/N 3		BGM	C002	1001	Document name code
Number of the inventory report		M	A/N 16		BGM	C106	1004	Document identifier
Message date		M	D 8		DTM	C507	2380	Date or time or period value
Inventory report date		O	D 12		DTM	C507	2380	Date or time or period value
Buyer	GLN	M	N 13	SG2	NAD	C082	3039	Party identifier
Supplier	GLN	M	N 13	SG2	NAD	C082	3039	Party identifier
Inventory reporting party	GLN	O	N 13	SG2	NAD	C082	3039	Party identifier
Article	Order-EAN	M	N 14	SG9	LIN	C212	7140	Item identifier
Internal number of the buyer		O	A/N 35	SG9	PIA	C212	7140	Item identifier
Internal number of the supplier		O	A/N 35	SG9	PIA	C212	7140	Item identifier
Colour / Size		O	A/N 17	SG9	IMD	C273	7009	Item description code
Actual stock	actual, available for sale inventory/stock (incl. promotional stock)	M	N 7+3	SG11	QTY	C186	6060	Quantity
Inventory withdrawal quantity	Quantity which has been withdrawn from inventory since the last inventory report	O	N 7+3	SG11	QTY	C186	6060	Quantity
Outstanding quantity	ordered but not yet received quantity	O	N 7+3	SG11	QTY	C186	6060	Quantity

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BUSINESS TERMS

Business term	Description	Status	Format	Segment		Data element		
Out of inventory quantity	Quantity, which could be sold/delivered if it would be in stock	O	N 7+3	SG11	QTY	C186	6060	Quantity
Promotional stock	Quantity for promotional use	O	N 7+3	SG11	QTY	C186	6060	Quantity
Received quantity	Received quantity	O	N 7+3	SG11	QTY	C186	6060	Quantity
Best before date		O	D 8	SG11	DTM	C507	2380	Date or time or period value

UNH – M	1 –	Message header			

Function	:	To head, identify and specify a message.

Segment number : 1

Data element group/ Data element	EDIFACT	ANW	*	Description
0062 **Message reference number**	M an..14	**M**		Sender's unique message reference. Sequence number of the messages in the interchange. DE 0062 in the UNT will be exactly the same. Sender generated.
S009 **Message identifier**	M	**M**		
0065 Message type	M an..6	**M**	∗	INVRPT = Inventory report message
0052 Message version number	M an..3	**M**	∗	D = Draft version/UN/EDIFACT Directory
0054 Message release number	M an..3	**M**	∗	01B = Release 2001 - B
0051 Controlling agency	M an..2	**M**	∗	UN = UN/CEFACT
0057 Association assigned code	C an..6	**M**	∗	EAN006 = GS1 version control number (GS1 Code)
0068 **Common access reference**	C an..35	**N**		
S010 **Status of the transfer**	C	**N**		
0070 Sequence of transfers	M n..2			
0073 First and last transfer	C a1			

Segment notes:

Example:
UNH+ME000001+INVRPT:D:01B:UN:EAN006'

BGM – M	1 – Beginning of message			

Function	:	To indicate the type and function of a message and to transmit the identifying number.

Segment number : 2

Data element group/ Data element		EDIFACT	ANW	*	Description
C002	**Document/message name**	C	**R**		
1001	Document name code	C an..3	**R**	*	35 = Inventory report
1131	Code list identification code	C an..17	**N**		
3055	Code list responsible agency code	C an..3	**N**		
1000	Document name	C an..35	**N**		
C106	**Document/message identification**	C	**R**		
1004	Document identifier	C an..35	**R**		Number of the Inventory report, assigned by the sender of the document
1056	Version identifier	C an..9	**N**		
1060	Revision identifier	C an..6	**N**		
1225	**Message function code**	C an..3	**R**	*	9 = Original
4343	**Response type code**	C an..3	**N**		

Segment notes:

- Message type - Inventory report (DE1001 = 35); Mandatory; A/N 3
- Inventory report number (DE1004); Mandatory; A/N 16
BGM+35+2020+9'

DTM – M	2 – Date/time/period			

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

Segment number : 3

Data element group/ Data element		EDIFACT	ANW	*	Description
C507	**Date/time/period**	M	**M**		
2005	Date or time or period function code qualifier	M an..3	**M**	*	137 = Document/message date/time 366 = Inventory report date
2380	Date or time or period value	C an..35	**R**		
2379	Date or time or period format code	C an..3	**R**	*	102 = CCYYMMDD 203 = CCYYMMDDHHMM

Segment notes:

- Message date (DE2005 = 137); Mandatory; D 8
DTM+137:20060522:102'

- Inventory report date (DE2005 = 366); Optional; D 12
DTM+366:200605220800:203'

SG2	– M	3 –	NAD

NAD	– M	1 –	Name and address

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

Segment number   :   4

Data element group/ Data element	EDIFACT	ANW	*	Description
3035	**Party function code qualifier**	M an..3	**M**	*	BY = Buyer SU = Supplier GY = Inventory reporting party
C082	**Party identification details**	C	**R**		
3039	Party identifier	M an..35	**M**		GLN - Format n13
1131	Code list identification code	C an..17	**N**		
3055	Code list responsible agency code	C an..3	**R**	*	9 = EAN (International Article Numbering Association)
C058	**Name and address**	C	**N**		
3124	Name and address description	M an..35			
3124	Name and address description	C an..35			
3124	Name and address description	C an..35			
3124	Name and address description	C an..35			
3124	Name and address description	C an..35			
C080	**Party name**	C	**N**		
3036	Party name	M an..35			
3036	Party name	C an..35			
3036	Party name	C an..35			
3036	Party name	C an..35			
3036	Party name	C an..35			
3045	Party name format code	C an..3			
C059	**Street**	C	**N**		
3042	Street and number or post office box identifier	M an..35			
3042	Street and number or post office box identifier	C an..35			
3042	Street and number or post office box identifier	C an..35			
3042	Street and number or post office box identifier	C an..35			
3164	**City name**	C an..35	**N**		

Data element group/ Data element		EDIFACT	ANW	*	Description
C819	**Country sub-entity details**	C	**N**		
3229	Country sub-entity name code	C an..9			
1131	Code list identification code	C an..17			
3055	Code list responsible agency code	C an..3			
3228	Country sub-entity name	C an..70			
3251	**Postal identification code**	C an..17	**N**		
3207	**Country name code**	C an..3	**N**		

Segment notes:

- Buyer (DE3035 = BY); Mandatory; N 13
NAD+BY+9012345000004::9'

-Supplier (DE3035 = SU); Mandatory; N 13
NAD+SU+9054321000004::9'

- Inventory reporting party (DE3035 = GY); Optional; N 13
NAD+GY+9012345000028::9'

SG9	– M	9999999 –	LIN-PIA-IMD-SG11

LIN	– M	1 –	Line item

Function	:	To identify a line item and configuration.
Segment number	:	5

Data element group/ Data element		EDIFACT	ANW	*	Description
1082	**Line item identifier**	C an..6	**R**		Application generated number of the item lines within the Inventory report. The number must be unique and ascending within the message.
1229	**Action request/notification description code**	C an..3	**N**		
C212	**Item number identification**	C	**R**		
7140	Item identifier	C an..35	**R**		Format GTIN n..14
7143	Item type identification code	C an..3	**R**	*	SRV = EAN.UCC Global Trade Item Number
1131	Code list identification code	C an..17	**N**		
3055	Code list responsible agency code	C an..3	**N**		
C829	**Sub-line information**	C	**N**		
5495	Sub-line indicator code	C an..3			
1082	Line item identifier	C an..6			
1222	**Configuration level number**	C n..2	**N**		
7083	**Configuration operation code**	C an..3	**N**		

Segment notes:

- Article identification by EAN (DE7140); Mandatory; N 14
LIN+1++9054321999995:SRV'

SG9	– M	9999999 – LIN-PIA-IMD-SG11

PIA	– C	2 –	Additional product id

Function	:	To specify additional or substitutional item identification codes.
Segment number	: 6	

Data element group/ Data element		EDIFACT	ANW	*	Description
4347	**Product identifier code qualifier**	M an..3	**M**	*	1 = Additional identification
C212	**Item number identification**	M	**M**		
7140	Item identifier	C an..35	**R**		
7143	Item type identification code	C an..3	**R**	*	IN = Buyer's item number SA = Supplier's article number
1131	Code list identification code	C an..17	**N**		
3055	Code list responsible agency code	C an..3	**N**		
C212	**Item number identification**	C	**N**		
7140	Item identifier	C an..35			
7143	Item type identification code	C an..3			
1131	Code list identification code	C an..17			
3055	Code list responsible agency code	C an..3			
C212	**Item number identification**	C	**N**		
7140	Item identifier	C an..35			
7143	Item type identification code	C an..3			
1131	Code list identification code	C an..17			
3055	Code list responsible agency code	C an..3			
C212	**Item number identification**	C			
7140	Item identifier	C an..35	**N**		
7143	Item type identification code	C an..3			
1131	Code list identification code	C an..17			
3055	Code list responsible agency code	C an..3			
C212	**Item number identification**	C			
7140	Item identifier	C an..35	**N**		
7143	Item type identification code	C an..3			
1131	Code list identification code	C an..17			

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Data element group/ Data element	EDIFACT	ANW	*	Description
3055 Code list responsible agency code	C an..3			

Segment notes:

- Internal number of the buyer; Optional; A/N 35
PIA+1+1230815:IN'

- Internal number of the supplier; Optional; A/N 35
PIA+1+9438444:SA'

SG9	– M	9999999 –	LIN-PIA-IMD-SG11

IMD	– C	2 –	Item description

Function	:	To describe an item in either an industry or free format.

Segment number : 7

Data element group/ Data element	EDIFACT	ANW	*	Description
7077	**Description format code**	C an..3	**R**	*	B = Code and text
C272	**Item characteristic**	C	**M**		
7081	Item characteristic code	C an..3	**M**	*	35 = Colour 98 = Size
1131	Code list identification code	C an..17	**N**		
3055	Code list responsible agency code	C an..3	**N**		
C273	**Item description**	C	**R**		
7009	Item description code	C an..17	**M**		Code from the industry code list
1131	Code list identification code	C an..17	**O**		Number of the industry code list
3055	Code list responsible agency code	C an..3	**O**		90 = Assigned by manufacturer 91 = Assigned by supplier or supplier's agent
7008	Item description	C an..256	**N**		
7008	Item description	C an..256	**N**		
3453	Language name code	C an..3	**N**		
7383	**Surface or layer code**	C an..3	**N**		

Segment notes:

- Identification by using industry code list (DE7009); Optional; A/N 17

Example:
A code from the industry code list number 001 has been transmitted.
IMD+B+35+4711'

SG9	– M	9999999 –	LIN-PIA-IMD-SG11

SG11	– M	9999 –	INV-QTY-DTM

INV	– M	1 –	Inventory management related details

Function	:	To provide the different information related to the inventory management functions and needed to process properly the inventory movements and the inventory balances.

Segment number   :   8

Data element group/ Data element		EDIFACT	ANW	*	Description
4501	**Inventory movement direction code**	C an..3	**N**		
7491	**Inventory type code**	C an..3	**M**	∗	1 = Accepted product inventory
4499	**Inventory movement reason code**	C an..3	**N**		
4503	**Inventory balance method code**	C an..3	**M**	∗	1 = Book-keeping inventory balance
C522	**Instruction**	C	**N**		
4403	Instruction type code qualifier	M an..3			
4401	Instruction description code	C an..3			
1131	Code list identification code	C an..17			
3055	Code list responsible agency code	C an..3			
4400	Instruction description	C an..35			

Segment notes:

This segment is used to identify the inventory movement direction.

This segment is filled only with "Dummy" values.

Example:
INV++1++1'

SG9 – M   9999999 – LIN-PIA-IMD-SG11

SG11 – M   9999 – INV-QTY-DTM

QTY – M   1 – Quantity

Function   :   To specify a pertinent quantity.

Segment number : 9

Data element group/ Data element	EDIFACT	ANW	*	Description
C186 **Quantity details**	M	**M**		
6063 Quantity type code qualifier	M an..3	**M**	*	145 = Actual stock 199 = Inventory withdrawal quantity 73 = Outstanding quantity 217 = Out of inventory quantity 31E = Promotional stock (GS1 Code) 48 = Received quantity
6060 Quantity	M an..35	**M**		
6411 Measurement unit code	C an..3	**O**		

Segment notes:

- Actual stock (DE6063 = 145); Mandatory; N 7+3
QTY+145:250'

- Inventory withdrawal quantity (DE6063 = 199); Optional; N 7+3
QTY+199:200'

- Outstanding quantity (DE6063 = 73); Optional; N 7+3
QTY+73:50'

- Out of inventory quantity (DE6063 = 217); Optional; N 7+3
QTY+217:10'

- Promotional stock (DE6063 = 31E); Optional; N 7+3
QTY+31E:100'

- Received quantity (DE6063 = 48); Optional; N 7+3
QTY+48:150'

SG9   – M   9999999 –   LIN-PIA-IMD-SG11

SG11   – M   9999 –   INV-QTY-DTM

DTM   – C   1 –   Date/time/period

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

Segment number   :   10

Data element group/ Data element	EDIFACT	ANW	*	Description
C507 **Date/time/period**	M	**M**		
2005 Date or time or period function code qualifier	M an..3	**M**	*	361 = Best before date
2380 Date or time or period value	C an..35	**R**		
2379 Date or time or period format code	C an..3	**M**	*	102 = CCYYMMDD

Segment notes:

- Best before date; Optional; D 8
DTM+361:20000130:102'

UNT – M   1 –   Message trailer

Function   :   To end and check the completeness of a message.
Segment number   :   11

Data element group/ Data element	EDIFACT	ANW	*	Description
0074 **Number of segments in the message**	M n..6	**M**		Sum of all segments.
0062 **Message reference number**	M an..14	**M**		Reference number from the UNH-Segment is to be repeated here.

Segment notes:

This segment is a mandatory UN/EDIFACT segment.

Example:
UNT+20+ME000001'

Example:

EANCOM	DESCRIPTION
UNH+ME000001+INVRPT:D:01B:UN:EAN006'	Interchange Header
BGM+35+2020+9'	Inventory report number
DTM+137:20110817:102'	Message date
DTM+366:201108160800:203'	Inventory report date
NAD+BY+9000096000008::9'	Buyer
NAD+SU+9099999999991::9'	Supplier
LIN+1++9099999026543:SRV'	1.article
PIA+1+1230815:IN'	Internal number of the buyer
IMD+B+35+4711'	Colour of the item
INV++1++1'	Dummy segment
QTY+145:250'	Actual stock
DTM+361:20000130:102′	Best before date
INV++1++1'	Dummy segment
QTY+217:10'	Out of inventory quantity

UNT+14+342'	Message end