EANCOM® 2002 S3

QALITY

Quality data message

Edition 2016 Upd. 2021

1. Introduction

Status

MESSAGE TYPE	: QALITY
REFERENCE DIRECTORY	: D.01B
EANCOM® SUBSET VERSION	: 003

Definition

A message to enable the transmission of the results of tests performed to satisfy a specified product requirement. The content includes, but is not limited to, test data and measurements, statistical information, and the testing methods employed.

Principles

A Quality Data Message detail line may refer to either goods items or services.

The values within a Quality Data Message may refer to:

- a product or service,
- a product via batch references

A Quality Data Message may contain discrete or statistical values as well as product specification values.

2. Message Structure Chart

EANCOM® 2002 S3 Edition 2016 Upd. 2021 Part II
QALITY Quality data message

UNA	1	C	1	- Service string advice
UNB	2	M	1	- Interchange header

Quality Test Report Heading Section

UNH	3	M	1	- Message header
BGM	4	M	1	- Beginning of message
DTM	5	M	10	- Date/time/period
FTX	6	C	5	- Free text
SG1		C	10	- RFF-DTM
RFF	7	M	1	- Reference
DTM	8	C	2	- Date/time/period
SG2		C	10	- NAD-LOC-SG3-SG4
NAD	9	M	1	- Name and address
LOC	10	C	5	- Place/location identification
SG3		C	10	- RFF
RFF	11	M	1	- Reference
SG4		C	5	- CTA-COM
CTA	12	M	1	- Contact information
COM	13	C	5	- Communication contact

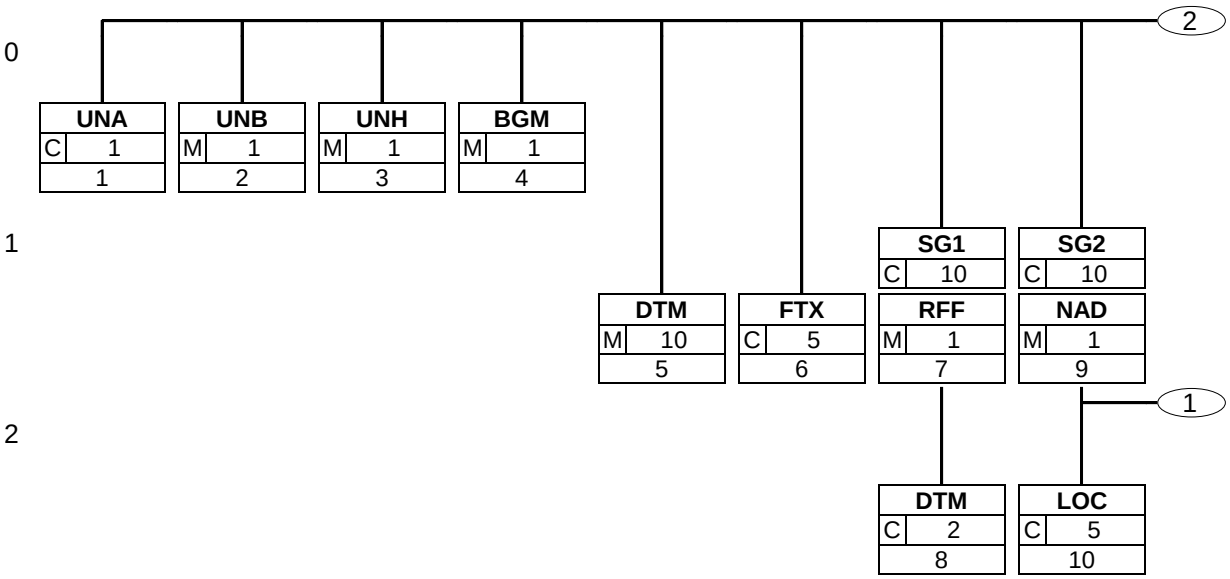
Quality Test Report Detail Section

SG5		C	200	- LIN-PIA-IMD-MEA-DTM-QTY-FTX-SG6-SG7-SG12
LIN	14	M	1	- Line item
PIA	15	C	10	- Additional product id
IMD	16	C	10	- Item description
MEA	17	C	10	- Measurements
DTM	18	C	10	- Date/time/period
QTY	19	C	99	- Quantity
FTX	20	C	5	- Free text
SG6		C	10	- RFF
RFF	21	M	1	- Reference
SG7		C	10	- NAD
NAD	22	M	1	- Name and address
SG12		C	200	- CCI-SG14
CCI	23	M	1	- Characteristic/class id
SG14		C	999	- MEA
MEA	24	M	1	- Measurements

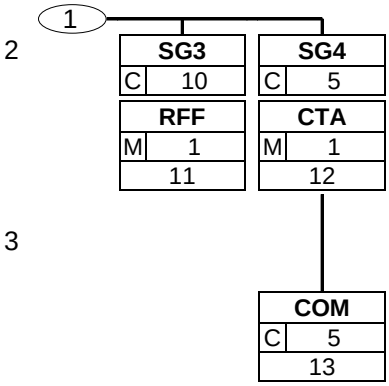
Quality Test Report Summary Section

UNT	25	M	1	- Message trailer
UNZ	26	M	1	- Interchange trailer

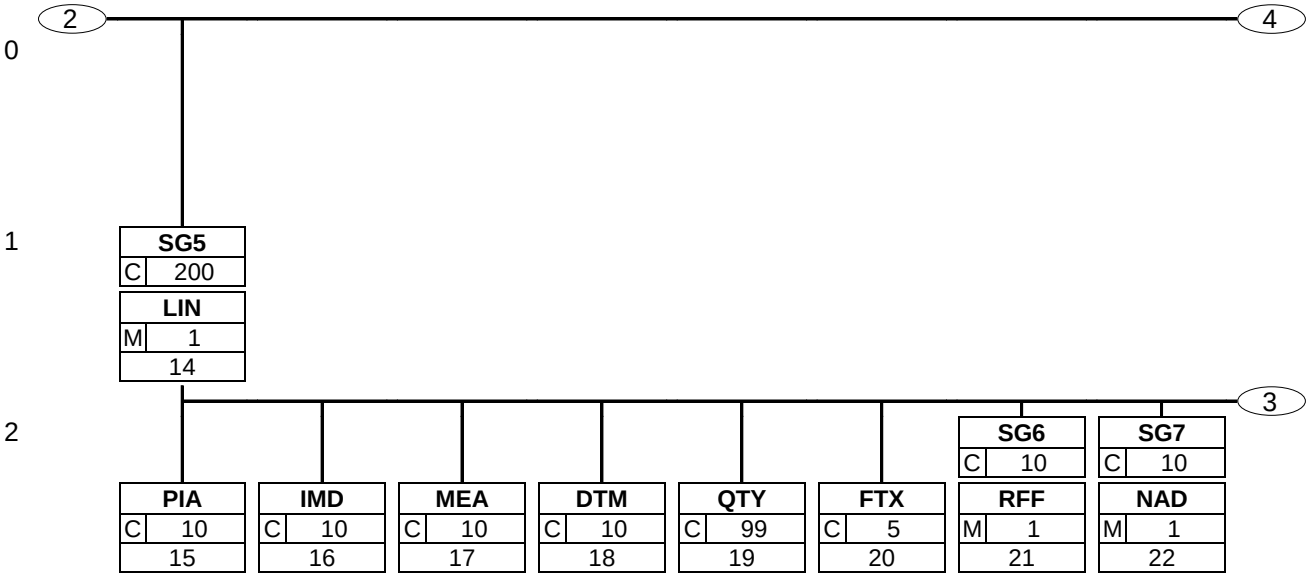
3. Branching Diagram



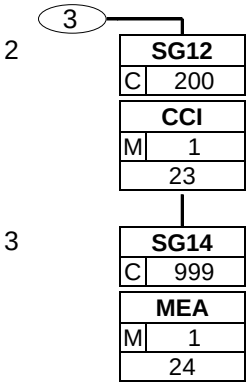
3. Branching Diagram



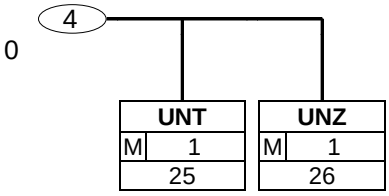
3. Branching Diagram



3. Branching Diagram



3. Branching Diagram



4. Segments Description

UNA - C 1 - Service string advice

The service string advice shall begin with the upper case characters UNA immediately followed by six characters in the order shown below. The same character shall not be used in more than one position of the UNA.

UNB - M 1 - Interchange header

This segment is used to envelope the interchange, as well as to identify both, the party to whom the interchange is sent and the party who has sent the interchange. The principle of the UNB segment is the same as a physical envelope which covers one or more letters or documents, and which details, both the address where delivery is to take place and the address from where the envelope has come.

Quality Test Report Heading Section

UNH - M 1 - Message header

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

BGM - M 1 - Beginning of message

This segment is used to indicate the type and function of a message and to transmit the identifying number.

DTM - M 10 - Date/time/period

This segment is used to specify dates, and when relevant, times related to the whole message.

FTX - C 5 - Free text

This segment is used to provide any free text information related to the complete quality test report.

SG1 - C 10 - **RFF-DTM**

A segment group for referencing documents and where necessary, their dates, relating to the whole message, e.g. purchase order, shipment/consignment number.

RFF - M 1 - Reference

This segment is used to identify any references which relate to the complete quality test report.

DTM - C 2 - Date/time/period

This segment is used to specify any dates related to the reference provided in the previous RFF segment.

SG2 - C 10 - **NAD-LOC-SG3-SG4**

A group of segments identifying the parties relevant to the whole Quality Data Message, with associated information.

NAD - M 1 - Name and address

This segment is used to identify the parties involved in the quality test report. Identification of the testing party and the party who ordered the test is mandatory in the message. The party to receive the test results may also be provided if different to the party who ordered the test.

LOC - C 5 - Place/location identification

This segment is used to provide more precise details regarding the location where the test was performed by the testing party identified in the NAD segment, e.g. a specific laboratory.

SG3 - C 10 - **RFF**

A segment group giving references relevant to the specified party.

RFF - M 1 - Reference

This segment is used to identify references related to the party identified in the previous NAD segment.

4. Segments Description

SG4 - C 5 - **CTA-COM**

A group of segments giving contact details of the specific person or department within the party identified in the NAD segment.

CTA - M 1 - Contact information

This segment is used to identify contact departments and/or persons for the party identified in the NAD segment.

COM - C 5 - Communication contact

This segment is used to specify a communication number for the contact identified in the previous CTA segment.

Quality Test Report Detail Section

SG5 - C 200 - **LIN-PIA-IMD-MEA-DTM-QTY-FTX-SG6-SG7-SG12**

A group of segments providing the relevant quality data for the specified product.

LIN - M 1 - Line item

This segment is used to identify the line item on which a quality test is being made.

PIA - C 10 - Additional product id

This segment is used to provide either the primary item identification, where no GTIN was provided in the LIN segment, or an additional identification to that specified in the LIN segment.

IMD - C 10 - Item description

This segment is used to describe the item for which test results are being provided. This segment should only be used for items that cannot be fully identified by a GTIN.

MEA - C 10 - Measurements

This segment is used to specify measurements relative to the item which has been tested, e.g. the weight of the item tested, range of temperatures which a meter should cater for, etc.

DTM - C 10 - Date/time/period

This segment is used to specify any dates related to the current line item only.

QTY - C 99 - Quantity

This segment is used to indicate the quantity tested for the current line item.

FTX - C 5 - Free text

This segment is used to provide any free text information related to the current line item.

SG6 - C 10 - **RFF**

A segment group for referencing documents relating to the line item.

RFF - M 1 - Reference

This segment is used to provide any references which relate to the current line item only.

SG7 - C 10 - **NAD**

A group of segments identifying the parties relevant to the line item only.

NAD - M 1 - Name and address

This segment is used to identify any parties related to the current line item only.

SG12 - C 200 - **CCI-SG14**

A group of segments to be used to define a class of properties, the individual properties within that class and the related data (e.g. discrete values, statistical information, test methods). When this segment group is used, the data is directly related to the product specified.

4. Segments Description

CCI - M 1 - Characteristic/class id

This segment is used to specify the characteristics of the test data, e.g. characteristics of the test performed, characteristics of the results. It is used as the trigger segment to the detailed test data for the current line item.

SG14 - C 999 - **MEA**

A group of segments to allow measurement values or specification values to be specified. The data element Measurement Application Qualifier (6311) indicates the type of the values.

MEA - M 1 - Measurements

This segment is used to provide test measurement data related to the current line item.

Quality Test Report Summary Section

UNT - M 1 - Message trailer

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

UNZ - M 1 - Interchange trailer

This segment is used to provide the trailer of an interchange.

5. Segments Layout

This section describes each segment used in the EANCOM® Quality data 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 second 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 third, fourth, and fifth columns. In the third column a status indicator for the use of (C)onditional EDIFACT data elements (see 2.1 through 2.3 below), in the fourth column the restricted indicator (see point 3 on the following page), and in the fifth 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 fourth column which directly relate to the code values detailed in the fifth **column** may have two values:

- RESTRICTED	*****	A data element marked with an asterisk (*) in the fourth column indicates that the listed codes in column five 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 asterisk 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.

4. Different colours are used for the code values in the segment details: restricted codes are in red and open codes in blue.

5. Segments Layout

Segment number: 1

UNA - C 1 - Service string advice					
Function: To define the characters selected for use as delimiters and indicators in the rest of the interchange that follows.					
		EDIFACT	GS1	*	Description
UNA1	Component data element separator	M an1	**M**	*	Used as a separator between component data elements contained within a composite data element (default value: ":")
UNA2	Data element separator	M an1	**M**	*	Used to separate two simple or composite data elements (default value: "+")
UNA3	Decimal notation	M an1	**M**	*	Used to indicate the character used for decimal notation (default value:".")
UNA4	Release indicator	M an1	**M**	*	Used to restore any service character to its original specification (value: "?").
UNA5	Reserved for future use	M an1	**M**	*	(default value: space)
UNA6	Segment terminator	M an1	**M**	*	Used to indicate the end of segment data (default value: " ' ")

Segment Notes:

The service string advice shall begin with the upper case characters UNA immediately followed by six characters in the order shown below. The same character shall not be used in more than one position of the UNA.
This segment is used to inform the receiver of the interchange that a set of service string characters which are different to the default characters are being used.
When using the default set of service characters, the UNA segment need not be sent. If it is sent, it must immediately precede the UNB segment and contain the four service string characters (positions UNA1, UNA2, UNA4 and UNA6) selected by the interchange sender.
Regardless of whether or not all of the service string characters are being changed every data element within this segment must be filled, (i.e., if some default values are being used with user defined ones, both the default and user defined values must be specified).
When expressing the service string characters in the UNA segment, it is not necessary to include any element separators.
The use of the UNA segment is required when using a character set other than level A.
UNA:+.? '

5. Segments Layout

Segment number: 2

UNB - M 1 - Interchange header

Function:

To start, identify and specify an interchange.

		EDIFACT	GS1	*	Description
S001	SYNTAX IDENTIFIER	M	**M**		See Part I chapter 5.2.7 and segment notes.
0001	Syntax identifier	M 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
0002	Syntax version number	M n1	**M**	*	3 = Version 3
S002	INTERCHANGE SENDER	M	**M**		
0004	Sender identification	M an..35	**M**		GLN (n13)
0007	Partner identification code qualifier	C an..4	**R**	*	14 = GS1
0008	Address for reverse routing	C an..14	**O**		
S003	INTERCHANGE RECIPIENT	M	**M**		
0010	Recipient identification	M an..35	**M**		GLN (n13)
0007	Partner identification code qualifier	C an..4	**R**	*	14 = GS1
0014	Routing address	C an..14	**O**		
S004	DATE/TIME OF PREPARATION	M	**M**		
0017	Date of preparation	M n6	**M**		YYMMDD
0019	Time of preparation	M n4	**M**		HHMM
0020	Interchange control reference	M an..14	**M**		Unique reference identifying the interchange. Created by the interchange sender.
S005	RECIPIENT'S REFERENCE, PASSWORD	C	**O**		
0022	Recipient's reference/ password	M an..14	**M**		
0025	Recipient's reference/ password qualifier	C an2	**O**		
0026	Application reference	C an..14	**O**		Message identification if the interchange contains only one type of message.
0029	Processing priority code	C a1	**O**		A = Highest priority
0031	Acknowledgement request	C n1	**O**		1 = Requested
0032	Communications agreement ID	C an..35	**O**	*	EANCOM.....
0035	Test indicator	C n1	**O**		1 = Interchange is a test

Segment Notes:

This segment is used to envelope the interchange, as well as to identify both, the party to whom the interchange is sent and the party who has sent the interchange. The principle of the UNB segment is the same as a physical envelope which covers one or more letters or documents, and which details, both the address where delivery is to take place and the address from where the envelope has come.

5. Segments Layout

Segment number: 2

S001: The character encoding specified in basic code table of ISO/IEC 646 (7-bit coded character set for information interchange) shall be used for the interchange service string advice (if used) and up to and including the composite data element S001 'Syntax identifier' in the interchange header. The character repertoire used for the characters in an interchange shall be identified from the code value of data element 0001 in S001 'Syntax identifier' in the interchange header. The character repertoire identified does not apply to objects and/or encrypted data.
The default encoding technique for a particular repertoire shall be the encoding technique defined by its associated character set specification.
DE 0001: The recommended (default) character set for use in EANCOM® for international exchanges is character set A (UNOA). Should users wish to use character sets other than A, an agreement on which set to use should be reached on a bilateral basis before communications begin.
DE 0004, 0008, 0010, 0014, 0042 and 0046: Within EANCOM® the use of the Global Location Number (GLN) is recommended for the identification of the interchange sender and recipient.
DE 0008: Identification (e.g. a division) specified by the sender of the interchange, to be included if agreed, by the recipient in response interchanges, to facilitate internal routing.
DE 0042: Sub-level of sender internal identification, when further sub-level identification is required.
DE 0014: The address for routing, provided beforehand by the interchange recipient, is used by the interchange sender to inform the recipient of the internal address, within the latter's systems, to which the interchange should be routed. It is recommended that the GLN be used for this purpose.
DE 0007: Identification (e.g. a division) specified by the recipient of the interchange, to be included if agreed, by the sender in response interchanges, to facilitate internal routing.
DE 0046: Sub-level of recipient internal identification, when further sub-level identification is required.
DE S004: The date and time specified in this composite should be the date and time at which the interchange sender prepared the interchange. This date and time may not necessarily be the same as the date and time of contained messages.
DE 0020: The interchange control reference number is generated by the interchange sender and is used to identify uniquely each interchange. Should the interchange sender wish to re-use interchange control reference numbers, it is recommended that each number be preserved for at least a period of three months before being re-used. In order to guarantee uniqueness, the interchange control reference number should always be linked to the interchange sender's identification (DE 0004).
DE S005: The use of passwords must first be agreed bilaterally by the parties exchanging the interchange.
DE 0026: This data element is used to identify the application, on the interchange recipient's system, to which the interchange is directed. This data element may only be used if the interchange contains only one type of message, (e.g. only invoices). The reference used in this data element is assigned by the interchange sender.
DE 0031: This data element is used to indicate whether an acknowledgement to the interchange is required. The EANCOM® APERAK or CONTRL message should be used to provide acknowledgement of interchange receipt. In addition, the EANCOM® CONTRL message may be used to indicate when an interchange has been rejected due to syntax errors.
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.

UNB+UNOA:3+5412345678908:14+8798765432106:14+020102:1000+12345555+++++EANCOMREF 52'

5. Segments Layout

Segment number: 3

UNH - M 1 - Message header					
Function: To head, identify and specify a message.					
		EDIFACT	GS1	*	Description
0062	Message reference number	M an..14	**M**		Senders unique message reference. Sequence number of messages in the interchange. De 0062 in UNT will have the same value. Generated by the sender.
S009	MESSAGE IDENTIFIER	M	**M**		
0065	Message type	M an..6	**M**	*	QALITY = Quality data 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	**R**	*	EAN003 = GS1 version control number (GS1 Permanent Code) Indicates that the message is the EANCOM version 003 of the UNSM Quality.
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:

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 Quality message based on the D.01B directory under the control of the United Nations.

Example:
UNH+1+QALITY:D:01B:UN:EAN003'

5. Segments Layout

Segment number: 4

BGM	- M	1 - Beginning of message			
Function: To indicate the type and function of a message and to transmit the identifying number.					
		EDIFACT	GS1	*	Description
C002	DOCUMENT/MESSAGE NAME	C	**R**		
1001	Document name code	C an..3	**R**	*	4 = Test 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	**O**		
C106	DOCUMENT/MESSAGE IDENTIFICATION	C	**R**		
1004	Document identifier	C an..35	**R**		Test report number assigned by the document sender. For global unique identification of documents Global Document Type Identifier (GDTI) is available.
1056	Version identifier	C an..9	**N**		
1060	Revision identifier	C an..6	**N**		
1225	Message function code	C an..3	**R**	*	5 = Replace 9 = Original 31 = Copy 42 = Confirmation via specific means DE 1225: The message function, coded is a critical data element in this segment. It applies to all data indicated in the message. The following definitions apply for the restricted codes: 5 = Replace - The test report message cancels and replaces a previous test report. The previous message being cancelled is identified in the RFF segment in segment group 1. 9 = Original - An original transmission of a test report. 31 = Copy - A copy of a test report for a third party for information purposes. 42 = Confirmation via specific means - A confirmation of a previous test report sent by means other than EDI, e.g. Fax.
4343	Response type code	C an..3	**N**		
Segment Notes: This segment is used to indicate the type and function of a message and to transmit the identifying number. Example: BGM+4+123456+9'					

5. Segments Layout

Segment number: 5

DTM	- M	10 - Date/time/period			
Function: To specify date, and/or time, or period.					
		EDIFACT	GS1	*	Description
C507	DATE/TIME/PERIOD	M	**M**		
2005	Date or time or period function code qualifier	M an..3	**M**	*	119 = Test completion date 137 = Document/message date/time 350 = Test start 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:

This segment is used to specify dates, and when relevant, times related to the whole message.
DE 2005: Identification of the 'Document/message date/time' (code value 137) is mandatory in an EANCOM message.

Example:
DTM+137:20020528:102'

5. Segments Layout

Segment number: 6

FTX - C 5 - Free text

Function:

To provide free form or coded text information.

		EDIFACT	GS1	*	Description
4451	Text subject code qualifier	M an..3	**M**	*	BAO = Test information ITS = Testing instructions
4453	Free text function code	C an..3	**O**		1 = Text for subsequent use 3 = Text for immediate use
C107	TEXT REFERENCE	C	**D**		References to a standard text. This composite is only used when trading partners have agreed to use mutually defined code values.
4441	Free text value code	M an..17	**M**		001 = ... standard text .....
1131	Code list identification code	C an..17	**O**		
3055	Code list responsible agency code	C an..3	**D**		86 = Assigned by party originating the message
C108	TEXT LITERAL	C	**D**		This composite is only used if coded text can not be used.
4440	Free text value	M an..512	**M**		
4440	Free text value	C an..512	**O**		
4440	Free text value	C an..512	**O**		
4440	Free text value	C an..512	**O**		
4440	Free text value	C an..512	**O**		
3453	Language name code	C an..3	**D**		ISO 639 two alpha code. This data element is only used when non coded free text has been provided in data element C108.
4447	Free text format code	C an..3	**N**		

Segment Notes:

This segment is used to provide any free text information related to the complete quality test report.
Use of this segment in free form is not recommended since it may inhibit automatic processing of the test report.
Coded references to standard texts is an available functionality which enables automatic processing and reduces transmission and processing overheads. Standard texts should be mutually defined among trading partners and can be used to cover legal and other requirements.

Example:
FTX+BAO+++FINAL TEST RESULTS'

5. Segments Layout

Segment number: 7

SG1	- C	10 -	RFF-DTM
RFF	- M	1 -	Reference

Function:

To specify a reference.

		EDIFACT	GS1	*	Description
C506	REFERENCE	M	**M**		
1153	Reference code qualifier	M an..3	**M**	*	ADD = Analysis number/test number AXJ = Test specification number The code value 'AXJ' is used to indicate a test specification provided by the party ordering the test which has been used during the testing process. TP = Test report number The code value 'TP' should only be used in this segment when code value '5, Replacement' has been used in data element 1225 of the BGM segment.
1154	Reference identifier	C an..70	**R**		
1156	Document line identifier	C an..6	**N**		
4000	Reference version identifier	C an..35	**N**		
1060	Revision identifier	C an..6	**N**		

Segment Notes:

This segment is used to identify any references which relate to the complete quality test report.

Example:
RFF+ADD:123456'

5. Segments Layout

Segment number: 8

SG1	- C	10	- RFF-DTM
DTM	- C	2	- Date/time/period

Function:

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

		EDIFACT	GS1	*	Description
C507	DATE/TIME/PERIOD	M	**M**		
2005	Date or time or period function code qualifier	M an..3	**M**	*	171 = Reference date/time
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

Segment Notes:

This segment is used to specify any dates related to the reference provided in the previous RFF segment.

Example:
DTM+171:20020528:102'

5. Segments Layout

Segment number: 9

SG2	- C	10 -	NAD-LOC-SG3-SG4
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.

		EDIFACT	GS1	*	Description
3035	Party function code qualifier	M an..3	**M**		OB = Ordered by TPE = Testing party (GS1 Temporary Code) TS = Party to receive certified test results
C082	PARTY IDENTIFICATION DETAILS	C	**A**		
3039	Party identifier	M an..35	**M**		For identification of parties it is recommended to use GLN - Format n13.
1131	Code list identification code	C an..17	**N**		
3055	Code list responsible agency code	C an..3	**R**	*	9 = GS1
C058	NAME AND ADDRESS	C	**O**		This composite may only be used to fulfill the requirements of directive 2003/58/EC, article 4.
3124	Name and address description	M an..35	**M**		
3124	Name and address description	C an..35	**O**		
3124	Name and address description	C an..35	**O**		
3124	Name and address description	C an..35	**O**		
3124	Name and address description	C an..35	**O**		
C080	PARTY NAME	C	**D**		
3036	Party name	M an..35	**M**		Party name in clear text.
3036	Party name	C an..35	**O**		
3036	Party name	C an..35	**O**		
3036	Party name	C an..35	**O**		
3036	Party name	C an..35	**O**		
3045	Party name format code	C an..3	**O**		
C059	STREET	C	**D**		
3042	Street and number or post office box identifier	M an..35	**M**		Building Name/Number and Street
3042	Street and number or post office box identifier	C an..35	**O**		Name and/or P.O. Box.
3042	Street and number or post office box identifier	C an..35	**O**		
3042	Street and number or post office box identifier	C an..35	**O**		
3164	City name	C an..35	**D**		City/Town name, clear text
C819	COUNTRY SUB-ENTITY DETAILS	C	**D**		
3229	Country sub-entity name code	C an..9	**O**		
1131	Code list identification code	C an..17	**O**		
3055	Code list responsible agency	C an..3	**O**		

5. Segments Layout

Segment number: 9

		EDIFACT	GS1	*	Description
	code				
3228	Country sub-entity name	C an..70	**O**		County/State, clear text.
3251	Postal identification code	C an..17	**D**		Postal Code
3207	Country name code	C an..3	**D**		ISO 3166 two alpha code

Segment Notes:

This segment is used to identify the parties involved in the quality test report. Identification of the testing party and the party who ordered the test is mandatory in the message. The party to receive the test results may also be provided if different to the party who ordered the test.

Example:
NAD+TPE+3787654010223::9'

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

5. Segments Layout

Segment number: 10

SG2	- C	10 -	NAD-LOC-SG3-SG4
LOC	- C	5 -	Place/location identification

Function:

To identify a place or a location and/or related locations.

		EDIFACT	GS1	*	Description
3227	Location function code qualifier	M an..3	**M**	*	21E = Testing location (GS1 Temporary Code)
C517	LOCATION IDENTIFICATION	C	**R**		
3225	Location name code	C an..25	**A**		GLN - Format n13
1131	Code list identification code	C an..17	**O**		
3055	Code list responsible agency code	C an..3	**D**		9 = GS1 DE 3055 must be used if DE 3225 is used and does not contain an UN/LOCODE.
3224	Location name	C an..256	**O**		
C519	RELATED LOCATION ONE IDENTIFICATION	C	**N**		
3223	First related location name code	C an..25			
1131	Code list identification code	C an..17			
3055	Code list responsible agency code	C an..3			
3222	First related location name	C an..70			
C553	RELATED LOCATION TWO IDENTIFICATION	C	**N**		
3233	Second related location name code	C an..25			
1131	Code list identification code	C an..17			
3055	Code list responsible agency code	C an..3			
3232	Second related location name	C an..70			
5479	Relation code	C an..3	**N**		

Segment Notes:

This segment is used to provide more precise details regarding the location where the test was performed by the testing party identified in the NAD segment, e.g. a specific laboratory.

Example:
LOC+21E+5412345000013::9'

5. Segments Layout

Segment number: 11

SG2	- C	10 -	NAD-LOC-SG3-SG4
SG3	- C	10 -	RFF
RFF	- M	1 -	Reference

Function:

To specify a reference.

		EDIFACT	GS1	*	Description
C506	REFERENCE	M	**M**		
1153	Reference code qualifier	M an..3	**M**	*	GN = Government reference number VA = VAT registration number YC1 = Additional party identification (GS1 Temporary Code)
1154	Reference identifier	C an..70	**R**		
1156	Document line identifier	C an..6	**N**		
4000	Reference version identifier	C an..35	**N**		
1060	Revision identifier	C an..6	**N**		

Segment Notes:

This segment is used to identify references related to the party identified in the previous NAD segment.

Example:
RFF+VA:AS-1552'

5. Segments Layout

Segment number: 12

SG2	- C	10	- NAD-LOC-SG3-SG4
SG4	- C	5	- CTA-COM
CTA	- M	1	- Contact information

Function:

To identify a person or a department to whom communication should be directed.

		EDIFACT	GS1	*	Description
3139	Contact function code	C an..3	**R**		IC = Information contact
C056	DEPARTMENT OR EMPLOYEE DETAILS	C	**O**		
3413	Department or employee name code	C an..17	**O**		
3412	Department or employee name	C an..35	**O**		

Segment Notes:

This segment is used to identify contact departments and/or persons for the party identified in the NAD segment. The Global Location Number GLN - Format n13 - is particularly suitable for this purpose.

Example:
CTA+IC+:A.CHEQUERS'

5. Segments Layout

Segment number: 13

SG2	- C	10	- NAD-LOC-SG3-SG4
SG4	- C	5	- CTA-COM
COM	- C	5	- Communication contact

Function:

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

		EDIFACT	GS1	*	Description
C076	COMMUNICATION CONTACT	M	**M**		
3148	Communication address identifier	M an..512	**M**		
3155	Communication address code qualifier	M an..3	**M**		AO = Uniform Resource Location (URL) EM = Electronic mail TE = Telephone

Segment Notes:

This segment is used to specify a communication number for the contact identified in the previous CTA segment.

Example:
COM+3223462286:TE'
(i.e. 32 for Belgium, 2 for Brussels, 3462286 for telephone number)

5. Segments Layout

Segment number: 14

SG5	- C	200 -	LIN-PIA-IMD-MEA-DTM-QTY-FTX-SG6-SG7-SG12
LIN	- M	1 -	Line item

Function:

To identify a line item and configuration.

		EDIFACT	GS1	*	Description
1082	Line item identifier	C an..6	**R**		Application generated count of the number of test report lines in this message.
1229	Action request/notification description code	C an..3	**N**		
C212	ITEM NUMBER IDENTIFICATION	C	**D**		This composite will only be used for the identification of GS1 codes. If another coding structure is being used, e.g. supplier issued article numbers, then this composite will not be used and the code will be detailed in the PIA segment.
7140	Item identifier	C an..35	**R**		Format n..14 GTIN - this is the number of the article for which test results are being reported.
7143	Item type identification code	C an..3	**R**	*	SRV = GS1 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	**D**		
5495	Sub-line indicator code	C an..3	**R**	*	1 = Sub-line information
1082	Line item identifier	C an..6	**R**		
1222	Configuration level number	C n..2	**N**		
7083	Configuration operation code	C an..3	**N**		

Segment Notes:

This segment is used to identify the line item on which a quality test is being made.
If Global Trade Item Numbers are available it is mandatory to use GTIN within the LIN segment.

The detail section of the quality message is formed by a repeating group of segments, always starting with the LIN segment.

Each occurrence of LIN will usually correspond to a different item for which test results are being provided.

Note on DE 1082:
Numbering rule: In Part I, section 4.10 there is the recommendation “Within EANCOM® it is recommended that the line numbers used in the first occurrence of data element 1082 in the LIN segment be sequential, starting at 1 for each new message.”

Note on DE 7140:
Only the following significant digits are possible:
- 8 digits for GTIN 8 codes
- 12 digits for GTIN 12 codes
- 13 digits for GTIN 13 codes
- 14 digits for GTIN 14 codes

Dependency Note:
C829 is only used when sub-lines are required.
FOR A COMPLETE DESCRIPTION ON THE USAGE OF SUB-LINES PLEASE REFER TO PART I, SECTION 4.10.

5. Segments Layout

Segment number: 14

Example:
LIN+1++5412345111115:SRV'

Dependency Notes:
C829 is only used when sub-lines are required.
FOR A MORE COMPLETE DESCRIPTION ON THE USAGE OF SUB-LINES PLEASE REFER TO PART I, SECTION 4.10.

5. Segments Layout

Segment number: 15

SG5	- C	200 -	LIN-PIA-IMD-MEA-DTM-QTY-FTX-SG6-SG7-SG12
PIA	- C	10 -	Additional product id

Function:

To specify additional or substitutional item identification codes.

		EDIFACT	GS1	*	Description
4347	Product identifier code qualifier	M an..3	**M**	*	1 = Additional identification 5 = Product identification Product Id function has the following restricted coded functions; 1 = Additional identification - To provide an additional identity for the item identified in the LIN segment. The additional identification can consist of : A supplemental identification which provides more information which is complementary to the GTIN provided in the LIN segment, e.g. a promotional variant number, product group number, etc. 5 = Product identification - To provide a primary product code where no product code was provided in composite C212 in the LIN segment.
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 MF = Manufacturer's (producer's) article number SA = Supplier's article number SN = Serial number
1131	Code list identification code	C an..17	**O**		
3055	Code list responsible agency code	C an..3	**D**		9 = GS1 90 = Assigned by manufacturer 91 = Assigned by supplier or supplier's agent 92 = Assigned by buyer or buyer's agent
C212	ITEM NUMBER IDENTIFICATION	C	**O**		
7140	Item identifier	C an..35	**R**		
7143	Item type identification code	C an..3	**R**		
1131	Code list identification code	C an..17	**O**		
3055	Code list responsible agency code	C an..3	**D**		
C212	ITEM NUMBER IDENTIFICATION	C	**O**		
7140	Item identifier	C an..35	**R**		
7143	Item type identification code	C an..3	**R**		
1131	Code list identification code	C an..17	**O**		
3055	Code list responsible agency code	C an..3	**D**		
C212	ITEM NUMBER IDENTIFICATION	C	**O**		
7140	Item identifier	C an..35	**R**		

5. Segments Layout

Segment number: 15

		EDIFACT	GS1	*	Description
7143	Item type identification code	C an..3	**R**		
1131	Code list identification code	C an..17	**O**		
3055	Code list responsible agency code	C an..3	**D**		
C212	ITEM NUMBER IDENTIFICATION	C	**O**		
7140	Item identifier	C an..35	**R**		
7143	Item type identification code	C an..3	**R**		
1131	Code list identification code	C an..17	**O**		
3055	Code list responsible agency code	C an..3	**D**		

Segment Notes:

This segment is used to provide either the primary item identification, where no GTIN was provided in the LIN segment, or an additional identification to that specified in the LIN segment.

Examples:
PIA+1+AX-1223:SA'
In this example the suppliers article number AX-1223 is provided in the PIA segment as an additional identification to the GTIN provided in the LIN segment.

PIA+5+N15556:SA'
In this example the supplier's article number N15556 is provided as the primary product identification.

5. Segments Layout

Segment number: 16

SG5	- C	200 -	LIN-PIA-IMD-MEA-DTM-QTY-FTX-SG6-SG7-SG12
IMD	- C	10 -	Item description

Function:

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

		EDIFACT	GS1	*	Description
7077	Description format code	C an..3	**O**	*	B = Code and text C = Code (from industry code list) F = Free-form
C272	ITEM CHARACTERISTIC	C	**O**		
7081	Item characteristic code	C an..3	**R**		
1131	Code list identification code	C an..17	**O**		
3055	Code list responsible agency code	C an..3	**D**	*	9 = GS1 Must be used if DE7081 contains an GS1 code.
C273	ITEM DESCRIPTION	C	**A**		
7009	Item description code	C an..17	**O**		CU = Consumer unit (GS1 Permanent Code) DU = Despatch unit (GS1 Permanent Code) TU = Traded unit (GS1 Permanent Code)
1131	Code list identification code	C an..17	**O**		
3055	Code list responsible agency code	C an..3	**D**		9 = GS1
7008	Item description	C an..256	**O**		
7008	Item description	C an..256	**O**		
3453	Language name code	C an..3	**O**		
7383	Surface or layer code	C an..3	**N**		

Segment Notes:

This segment is used to describe the item for which test results are being provided. This segment should only be used for items that cannot be fully identified by a GTIN.

Example:
IMD+F++:::SIEMENS METER:ALL SERVICES'
The item tested was an All Services Siemens Meter.

5. Segments Layout

Segment number: 17

SG5	- C	200	- LIN-PIA-IMD-MEA-DTM-QTY-FTX-SG6-SG7-SG12
MEA	- C	10	- Measurements

Function:

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

		EDIFACT	GS1	*	Description
6311	Measurement purpose code qualifier	M an..3	**M**		PD = Physical dimensions (product ordered) SV = Specification value
C502	MEASUREMENT DETAILS	C	**A**		
6313	Measured attribute code	C an..3	**A**		AAU = Operative temperature DI = Diameter LN = Length dimension
6321	Measurement significance code	C an..3	**O**		3 = Approximately 4 = Equal to
6155	Non-discrete measurement name code	C an..17	**O**		
6154	Non-discrete measurement name	C an..70	**O**		
C174	VALUE/RANGE	C	**R**		
6411	Measurement unit code	M an..3	**M**		
6314	Measurement value	C an..18	**O**		
6162	Range minimum value	C n..18	**O**		
6152	Range maximum value	C n..18	**O**		
6432	Significant digits quantity	C n..2	**N**		
7383	Surface or layer code	C an..3	**N**		

Segment Notes:

This segment is used to specify measurements relative to the item which has been tested, e.g. the weight of the item tested, range of temperatures which a meter should cater for, etc.

Example:
MEA+SV+AAU+CEL::20:150'
The current item has a specification value in the range of 20 to 150 degrees celsius.

5. Segments Layout

Segment number: 18

SG5	- C	200 -	LIN-PIA-IMD-MEA-DTM-QTY-FTX-SG6-SG7-SG12
DTM	- C	10 -	Date/time/period

Function:

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

		EDIFACT	GS1	*	Description
C507	DATE/TIME/PERIOD	M	**M**		
2005	Date or time or period function code qualifier	M an..3	**M**	*	94 = Production/manufacture date 119 = Test completion date 350 = Test start 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:

This segment is used to specify any dates related to the current line item only.

Example:
DTM+94:20020528:102'

5. Segments Layout

Segment number: 19

SG5	- C	200 -	LIN-PIA-IMD-MEA-DTM-QTY-FTX-SG6-SG7-SG12
QTY	- C	99 -	Quantity

Function:

To specify a pertinent quantity.

		EDIFACT	GS1	*	Description
C186	QUANTITY DETAILS	M	**M**		
6063	Quantity type code qualifier	M an..3	**M**	*	74 = Latest cumulative quantity 79 = Previous cumulative quantity 99 = Estimated quantity 511 = Quantity tested
6060	Quantity	M an..35	**M**		
6411	Measurement unit code	C an..3	**D**		This DE is only used if the product which was tested is a variable quantity product.

Segment Notes:

This segment is used to indicate the quantity tested for the current line item.

Example:
QTY+511:400'

5. Segments Layout

Segment number: 20

SG5	- C	200 -	LIN-PIA-IMD-MEA-DTM-QTY-FTX-SG6-SG7-SG12
FTX	- C	5 -	Free text

Function:

To provide free form or coded text information.

		EDIFACT	GS1	*	Description
4451	Text subject code qualifier	M an..3	**M**	*	BAO = Test information ITS = Testing instructions
4453	Free text function code	C an..3	**O**		1 = Text for subsequent use 3 = Text for immediate use
C107	TEXT REFERENCE	C	**D**		References to a standard text. This composite is only used when trading partners have agreed to use mutually defined code values.
4441	Free text value code	M an..17	**M**		001 = ... standard text ....
1131	Code list identification code	C an..17	**O**		
3055	Code list responsible agency code	C an..3	**D**		91 = Assigned by supplier or supplier's agent 92 = Assigned by buyer or buyer's agent
C108	TEXT LITERAL	C	**D**		This composite is only used if coded text can not be used.
4440	Free text value	M an..512	**M**		
4440	Free text value	C an..512	**O**		
4440	Free text value	C an..512	**O**		
4440	Free text value	C an..512	**O**		
4440	Free text value	C an..512	**O**		
3453	Language name code	C an..3	**D**		ISO 639 two alpha code This data element is only used when non coded free text has been provided in data element C108.
4447	Free text format code	C an..3	**N**		

Segment Notes:

This segment is used to provide any free text information related to the current line item.
Use of this segment in free form is not recommended since it may inhibit automatic processing of the test report. Coded references to standard texts is an available functionality which enables automatic processing and reduces transmission and processing overheads. Standard texts should be mutually defined among trading partners and can be used to cover legal and other requirements.

Example:
FTX+BAO+++TESTED ON MACHINE NUMBER 86'

5. Segments Layout

Segment number: 21

SG5	- C	200 -	LIN-PIA-IMD-MEA-DTM-QTY-FTX-SG6-SG7-SG12
SG6	- C	10 -	RFF
RFF	- M	1 -	Reference

Function:

To specify a reference.

		EDIFACT	GS1	*	Description
C506	REFERENCE	M	**M**		
1153	Reference code qualifier	M an..3	**M**		ADD = Analysis number/test number AXJ = Test specification number
1154	Reference identifier	C an..70	**R**		
1156	Document line identifier	C an..6	**O**		
4000	Reference version identifier	C an..35	**N**		
1060	Revision identifier	C an..6	**N**		

Segment Notes:

This segment is used to provide any references which relate to the current line item only.

Example:
RFF+ADD:6552'

5. Segments Layout

Segment number: 22

SG5	- C	200	- LIN-PIA-IMD-MEA-DTM-QTY-FTX-SG6-SG7-SG12
SG7	- C	10	- 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.

		EDIFACT	GS1	*	Description
3035	Party function code qualifier	M an..3	**M**		MF = Manufacturer of goods
C082	PARTY IDENTIFICATION DETAILS	C	**A**		
3039	Party identifier	M an..35	**M**		For identification of parties it is recommended to use GLN - Format n13.
1131	Code list identification code	C an..17	**N**		
3055	Code list responsible agency code	C an..3	**R**	*	9 = GS1
C058	NAME AND ADDRESS	C	**O**		This composite may only be used to fulfill the requirements of directive 2003/58/EC, article 4.
3124	Name and address description	M an..35	**M**		
3124	Name and address description	C an..35	**O**		
3124	Name and address description	C an..35	**O**		
3124	Name and address description	C an..35	**O**		
3124	Name and address description	C an..35	**O**		
C080	PARTY NAME	C	**D**		
3036	Party name	M an..35	**M**		Party name in clear text.
3036	Party name	C an..35	**O**		
3036	Party name	C an..35	**O**		
3036	Party name	C an..35	**O**		
3036	Party name	C an..35	**O**		
3045	Party name format code	C an..3	**O**		
C059	STREET	C	**D**		
3042	Street and number or post office box identifier	M an..35	**M**		Building Name/Number and Street
3042	Street and number or post office box identifier	C an..35	**O**		Name and/or P.O. Box.
3042	Street and number or post office box identifier	C an..35	**O**		
3042	Street and number or post office box identifier	C an..35	**O**		
3164	City name	C an..35	**D**		City/Town name, clear text
C819	COUNTRY SUB-ENTITY DETAILS	C	**D**		
3229	Country sub-entity name code	C an..9	**O**		
1131	Code list identification code	C an..17	**O**		
3055	Code list responsible agency	C an..3	**O**		

5. Segments Layout

Segment number: 22

		EDIFACT	GS1	*	Description
	code				
3228	Country sub-entity name	C an..70	**O**		County/State, clear text.
3251	Postal identification code	C an..17	**D**		Postal Code
3207	Country name code	C an..3	**D**		ISO 3166 two alpha code

Segment Notes:

This segment is used to identify any parties related to the current line item only.

Example:
NAD+MF+3787654010223::9'

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

5. Segments Layout

Segment number: 23

SG5	- C	200 -	LIN-PIA-IMD-MEA-DTM-QTY-FTX-SG6-SG7-SG12
SG12	- C	200 -	CCI-SG14
CCI	- M	1 -	Characteristic/class id

Function:

To identify and describe a specific characteristic and its relevance for subsequent business processes.

		EDIFACT	GS1	*	Description
7059	Class type code	C an..3	**R**	*	TES = Test characteristic (GS1 Temporary Code)
C502	MEASUREMENT DETAILS	C	**N**		
6313	Measured attribute code	C an..3			
6321	Measurement significance code	C an..3			
6155	Non-discrete measurement name code	C an..17			
6154	Non-discrete measurement name	C an..70			
C240	PRODUCT CHARACTERISTIC	C	**N**		
7037	Characteristic description code	M an..17			
1131	Code list identification code	C an..17			
3055	Code list responsible agency code	C an..3			
7036	Characteristic description	C an..35			
7036	Characteristic description	C an..35			
4051	Characteristic relevance code	C an..3	**N**		

Segment Notes:

This segment is used to specify the characteristics of the test data, e.g. characteristics of the test performed, characteristics of the results. It is used as the trigger segment to the detailed test data for the current line item.

Example:
CCI+TES'

5. Segments Layout

Segment number: 24

SG5	- C	200 -	LIN-PIA-IMD-MEA-DTM-QTY-FTX-SG6-SG7-SG12
SG12	- C	200 -	CCI-SG14
SG14	- C	999 -	MEA
MEA	- M	1 -	Measurements

Function:

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

		EDIFACT	GS1	*	Description
6311	Measurement purpose code qualifier	M an..3	**M**		TR = Test result MV = Measured value (GS1 Temporary Code)
C502	MEASUREMENT DETAILS	C	**A**		
6313	Measured attribute code	C an..3	**A**		AAO = Humidity AAP = Voltage AAR = Heat dissipation ENE = Energy efficiency (GS1 Temporary Code) TC = Temperature
6321	Measurement significance code	C an..3	**O**		
6155	Non-discrete measurement name code	C an..17	**N**		
6154	Non-discrete measurement name	C an..70	**N**		
C174	VALUE/RANGE	C	**R**		
6411	Measurement unit code	M an..3	**M**		
6314	Measurement value	C an..18	**O**		
6162	Range minimum value	C n..18	**O**		
6152	Range maximum value	C n..18	**O**		
6432	Significant digits quantity	C n..2	**N**		
7383	Surface or layer code	C an..3	**N**		

Segment Notes:

This segment is used to provide test measurement data related to the current line item.

Example:
MEA+MV+TC+CEL::40:110'
The test was carried out using temperatures in the range of 40 to 110 degrees celsius.

MEA+TR+AAR+MWH:0.5'
The heat dissipated during the test was 0.5 megawatt hours.

5. Segments Layout

Segment number: 25

UNT - M 1 - Message trailer					
Function: To end and check the completeness of a message.					
		EDIFACT	GS1	*	Description
0074	Number of segments in the message	M n..6	**M**		The total number of segments in the message is detailed here.
0062	Message reference number	M an..14	**M**		The message reference detailed here should be equal to the one specified in the UNH segment.
Segment Notes: This segment is a mandatory UN/EDIFACT segment. It must always be the last segment in the message. Example: UNT+25+1'					

5. Segments Layout

Segment number: 26

UNZ - M 1 - Interchange trailer					
Function: To end and check the completeness of an interchange.					
		EDIFACT	GS1	*	Description
0036	Interchange control count	M n..6	**M**		Number of messages or functional groups within an interchange.
0020	Interchange control reference	M an..14	**M**		Identical to DE 0020 in UNB segment.
Segment Notes: This segment is used to provide the trailer of an interchange. UNZ+5+12345555' DE 0036: If functional groups are used, this is the number of functional groups within the interchange. If functional groups are not used, this is the number of messages within the interchange.					

6. Examples

The following is an example of a Quality message sent on the 15th of June 2002 by the testing party Stockholm Meter Service to the party, identified by GLN 5412345123453, who ordered the test.

The message which is identified by the number 45223, provides test results for a meter according to the test specification number 52114.

UNH+ME000001+QALITY:D:01B:UN:EAN003'	Message header
BGM+4+45223+9'	Quality message number 45223
DTM+137:20020615:102'	Message date 15th June 2002
RFF+TS:52114'	Test specification number 52114
NAD+OB+5412345123453::9'	Ordering party identified by GLN 5412345123453
NAD+TPE+++STOCKHOLM METER SERVICES'	Testing party Stockholm Meter Services
CTA+IC+:BJORN NIELSEN'	Testing party contact person
COM+031-13425:TE'	Telephone number for contact person
COM+031-13455:FX'	Fax number for contact person
LIN+1++5412345111115:SRV'	Identification of the test carried out for the article identified by GTIN 5412345111115
PIA+1+SE-OSC-K135:SA'	Identification of meter type using supplier allocated number
PIA+1+SVM93:MF'	Identification of the manufacturers article number
PIA+1+9216995:SN'	Identification of meter serial number
IMD+F++:::PROTOCOL OF METER:CONTROL DATA'	Description of the test
MEA+SV+AAU+CEL::20:150'	Specification of operating temperature range in celsius
DTM+94:20010212:102'	Meter manufactured on the 12th of February 2001
QTY+79:17108:MWH'	Previous meter read 17108 megawatt hours
QTY+79:34608:MTQ'	Previous meter read 34608 cubic metres
QTY+74:17119:MWH'	Latest meter read 17119 megawatt hours
QTY+74:34641:MTQ'	Latest meter read 34641 cubic metres
NAD+MF+++SVM'	Identification of the manufacturer of the meter
CCI+TES'	Indication of start of first test results
MEA+MV+TC+CEL::50:50'	Test measured value in temperature range of 50-50 degrees celsius
MEA+TR+ENE+MWH:0.5'	Test results = energy efficiency of 0.5 megawatt hours
CCI+TES'	Indication of start of second test results

6. Examples

MEA+MV+TC+CEL::49:50'	Test measured value in temperature range of 49-50 degrees celsius
MEA+TR+ENE+MWH:47.6'	Test results = energy efficiency of 47.6 megawatt hours
CCI+TES'	Indication of start of third test results
MEA+MV+TC+CEL::70:73'	Test measured value in temperature range of 70-73 degrees celsius
MEA+TR+ENE+MWH:140.8'	Test results = energy efficiency of 140.8 megawatt hours
CCI+TES'	Indication of start of fourth test results
MEA+MV+TC+CEL::60:67'	Test measured value in temperature range of 60-67 degrees celsius
MEA+TR+ENE+MWH:328.9'	Test results = energy efficiency of 328.9 megawatt hours
CCI+TES'	Indication of start of fifth test results
MEA+MV+TC+CEL::60:73'	Test measured value in temperature range of 60-73 degrees celsius
MEA+TR+ENE+MWH:610.8’	Test results = energy efficiency of 610.8 megawatt hours
UNT+37+ME000001'	Total number of segments in the message equals 37

Note:
The EDI interchange will include the UNB...UNZ segments and, if applicable, the UNG...UNE segments (see Part 1, section 5.7)