TEXAS INSTRUMENTS

IMPLEMENTATION GUIDELINE

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DESPATCH ADVICE

ooOoo

VERSION 1

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BASED ON

EDIFICE D.97A DESADV MESSAGE, ISSUE EDDS05

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COMPARISON TO PREVIOUS ISSUE

This release includes the changes that have been made to the issue 4 of the Despatch Advice document endorsed by the EDIFICE Plenary on 12 June 1996. The changes are as follows:

- Recast from the D.96A version of the UN/EDIFACT directory to the D.97A version,

- Addition of the following code values:

  SG7, LOC, CO C517, DE 3055, codes '91' Assigned by seller or seller's agent and
  '92' Assigned by buyer or buyer's agent

  SG15, PIA segment, DE 7143, codes 'BP' Buyer's part number
  SG16, RFF segment, CO C506, DE 1153, code 'AAN' Air waybill number

- Deletion of the following code values:

- Usage changed for the following segment groups/segments/data elements:
  DTM segment, R..3 to R1
  MEA segment, A..4 to A..2
  SG1, D..10 to D1
  SG2, R..10 to R..3
  SG6, D..5 to D..2
  SG7, O..6 to O..2
  SG16, A..5 to A..4

- Where UN/ECE Recommendations are referenced the most commonly used codes have been identified,

- Alignment of segments and composite data elements to ensure conformance (data harmonization) across all EDIFICE Implementation Guidelines,

- Update of the REFERENCES and EXPLANATORY NOTES sections to comply with the EDIFICE Standards for Documentation of Message Implementation Guidelines issue 3,

- Update of examples,

- Documentation adjustments resulting from the use of GEFEG's EdiFix Message Implementation Guidelines documentation tool,

- Correction of typographical errors.

FUNCTIONAL DEFINITION

The Despatch Advice is defined as a logistics transaction message sent by the consignor and is intended to advise the consignee of the despatch of goods and the detailed contents of the consignment, to enable the receiving location to control the incoming material flow and prepare customs clearance procedures.

The message relates to a single consignment, a single despatch point and a single destination point, with one set of delivery terms. It may cover a number of different items or packages.

The Despatch Advice message relates to one buyer and one seller. It should always be sent by the seller to the buyer before the goods are physically delivered. This makes it possible for the buyer to know when the goods have been despatched, or will be despatched, and use the data to prepare efficiently for the reception of the goods. The message can also be used by the seller to indicate to the buyer that the goods are ready to be collected (an EXWORKS trade scenario), or if the goods are Returns.

The Despatch Advice message holds precise details of the shipment.

Each unit delivered e.g. pallet, carton, should be uniquely identified. In the Despatch Advice message, the products contained in each uniquely identified unit are described. When the goods are received, the physical shipment and the electronic message can be cross-checked e.g. by barcode scanning. Discrepancies can be immediately identified, and these may be transmitted back to the seller by use of the Receiving Advice (RECADV) message.

The message enables a hierarchical description of the shipment, starting with the highest level (shipment) and ending with the lowest level (items). One can for example describe a container comprising 5 pallets, a pallet being composed of several large despatch units which themselves contain smaller despatch units. The traded units (any level of packaging agreed by the trading partners) are then specified. It is however not mandatory to describe the hierarchical structure of the shipment. As such, the simplest use of the message consists of specifying the items to be despatched, or collected, and the relevant information per item such as quantity and description. Please refer to the examples at the back of this document.

Additional principles that apply to the Despatch Advice message are:

- Part numbers are used to identify the product that is being despatched. Where this is not sufficient, the part must be identified by providing a clear description.

- References pertaining to the goods are specified only at one level, normally within the detail section. Where the information is applicable to the whole despatch advice, it can be sent in the header section, in which case it should not be sent at the detail level.

- Total shipment weights, volume and number of unit loads should be specified in the header section of the message i.e. in the MEA segment below the BGM.

- Business practices reflect two possible ways of describing the contents of the shipment; by the physical packaging, or by the products (with package information related to each product). The physical packaging logic describes package per package starting from the outer packages and ending with the inner packages. The product(s) are identified at the lowest level of the packaging. The product logic describes per product (with related package information). It is recommended that users of this guide adopt the Package logic to describe the contents of the despatch advice.

- The segment groups, segments and data elements which are labelled with ’O’ (optional) should be used only if the information they contain cannot be incorporated in the business or commercial agreements. The use of ’O’ (optional) must be agreed between trading partners.

It is recognised that information pertaining to the goods and or the transport of the goods, may change after the initial message has been sent. Under the International Custom’s Regulations - and subsequently the International Law’s of Trade and Commerce - CHANGES (of the contents) of "Accountable Data and/or Documents" are prohibited. Instead, CANCELLATION (of the entire document) and REPLACEMENT (by a new document) are imperative. All Accountable Documents - including the cancelled ones - have to be safeguarded for a period of at least 5 years or longer, depending on national prescriptions.

To accommodate these scenarios, both ’replace’ and ’cancellation’ message types are catered for by use of BGM, DE 1225.

REFERENCES

UN/EDIFACT DIRECTORY D.97A 1996-12-10
- DRAFT RECOMMENDATION DESPATCH ADVICE MESSAGE
  - Message Type : DESADV
  - Version : D
  - Release : 97A
  - Contr. Agency : UN
  - Revision : 6
  - Date : 96-12-13
- DATA SEGMENTS DIRECTORY
- COMPOSITE DATA ELEMENTS DIRECTORY
- DATA ELEMENTS DIRECTORY
- CODE LISTS

ISO Standards
- ISO 9735 UN/EDIFACT - Applications level syntax rules
  - First edition 1988-07-15
  - Amended and Reprinted 1990-11-15
- ISO 3166 Code for the Representation of Names of Countries
  - Date : 1993

See also web-site: http://www.iso.ch

UN/ECE Recommendations
- No 5 Alphabetic Code for Incoterms 1990
  - Date : January 1996
- No 16 UN/LOCODE - Code for Ports and other Locations
  - Date : January 1996
- No 19 Codes for Mode of Transport
  - Date : November 1994
- No 20 Codes for Units of Measure used in International Trade
  - Date : August 1995
- No 21 Codes for Types of Cargo, Packages and Packaging Material
  - Date : March 1986

See also web-site: http://www.unece.org/trade/facil/tf_rec_h.htm

Core European Implementation Guidelines
- Introduction
  - Date : 1996-01-22
- Despatch Advice Message
  - UN/EDIFACT Directory : 92.1/D.93A
  - Date : 1996-01-22

EDIFICE
- Physical Distribution EDI Implementation Kit
  - Issue : 1
  - Date : November 29, 1995
- Standards for Documentation of the EDIFICE Implementation Guidelines
  - Issue : 3
  - Date : 1997-09-24
- EDIFICE Utilisation of the UN/EDIFACT Service Segments
  - Issue : 3
  - Date : 1997-09-24

EXPLANATORY NOTES

General

The following abbreviations are used within this document:

DE = Data Element
CO = Composite Data Element
SG = Segment Group

The following codes are used to indicate, in a more detailed and precise way than UN/EDIFACT, the usage of the data concerned in the EDIFICE Message Implementation Guidelines:

UN/EDIFACT	EDIFICE
M (Mandatory)	M (Mandatory)
C (Conditional)	R (Required)
C (Conditional)	D (Depending)
C (Conditional)	A (Advised)
C (Conditional)	O (Optional)
C (Conditional)	N (Not Used)

Mandatory = UN/EDIFACT dictates that the Data Element, Composite Data Element, Segment or Segment Group must be present.

Required = Indicates that the entity is required and must be sent.

Depending = Indicates that the entity must be sent if a particular defined condition or set of conditions exists. The associated conditions must be explained at the appropriate level of detail.

Advised = Indicates that the entity is advised or recommended and should be sent if previously agreed between the trading partners.

Optional = Indicates that the entity is optional and may be sent if previously agreed between the trading partners.

Not Used = Indicates that the entity is not used and should be omitted.

Where a Composite Data Element is indicated as 'Not Used', the column 'usage status' for the Data Elements will remain blank.

The number of occurrences shown in the EDIFICE Message Diagrams indicates the required or maximum number of occurrences for the entity utilisation.

The EDIFICE usage status and number of occurrences for segments or segment groups will be represented analogue to the representation of data elements e.g.:

R3 The segment or group is required 3 times (fixed number)
R..3 The segment or group is required up to 3 times (maximum number)

The following table indicates the number of integer and decimal digits to be used for numeric data elements when needed:

Numeric Class	Representation Digits	Integer Digits	Decimals
Dimensions	n..18	15	3
Quantities	n..15	12	3
Volumes	n..18	15	3
Weights	n..18	15	3
Unit Prices	n..15	11	4
Amounts	n..18	15	3
Currency Rates	n..12	6	6
Percentages	n..8	3	5

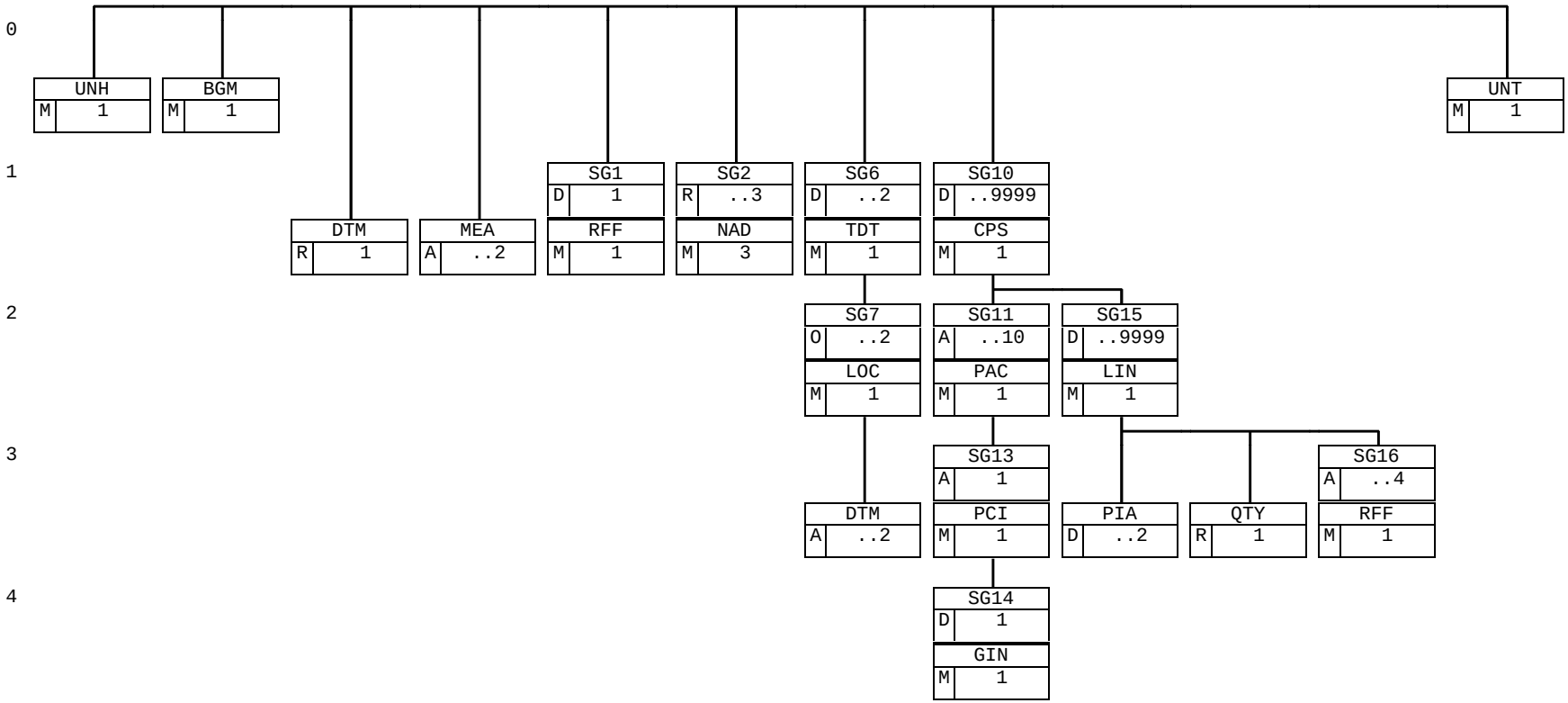
EDIFICE recommends that where there are significant decimals, these are explicitly stated using a decimal mark in a character position. Similarly the minus sign should be used to explicitly state a negative value.

Consistent use of the date/time/period format should be adhered to throughout the entire message. EDIFICE recommends only to use the ’CCYYMMDD’ format.

MESSAGE STRUCTURE CHART

	UNH	MESSAGE HEADER	M1
	BGM	BEGINNING OF MESSAGE	M1
	DTM	DATE/TIME/PERIOD	R1
	MEA	MEASUREMENTS	A..2
┌	SG1		D1
└	RFF	REFERENCE	M1
┌	SG2		R..3
└	NAD	NAME AND ADDRESS	M3
┌	SG6		D..2
	TDT	DETAILS OF TRANSPORT	M1
┌	SG7		O..2
	LOC	PLACE/LOCATION IDENTIFICATION	M1
└	DTM	DATE/TIME/PERIOD	A..2
┌	SG10		D..9999
	CPS	CONSIGNMENT PACKING SEQUENCE	M1
┌	SG11		A..10
	PAC	PACKAGE	M1
┌	SG13		A1
	PCI	PACKAGE IDENTIFICATION	M1
┌	SG14		D1
└	GIN	GOODS IDENTITY NUMBER	M1
┌	SG15		D..9999
	LIN	LINE ITEM	M1
	PIA	ADDITIONAL PRODUCT ID	D..2
	QTY	QUANTITY	R1
┌	SG16		A..4
└	RFF	REFERENCE	M1
	UNT	MESSAGE TRAILER	M1

BRANCHING DIAGRAM



SEGMENT GROUPS/SEGMENTS DESCRIPTION

UNH MESSAGE HEADER

Function: A service segment heading, and uniquely identifying the message.
Usage : M1

BGM BEGINNING OF MESSAGE

Function: A segment uniquely identifying the message by means of its coded name, number and function.
Usage : M1

DTM DATE/TIME/PERIOD

Function: A segment specifying the date/time of creation of the message and, other dates relevant to the whole message.
Usage : R1

MEA MEASUREMENTS

Function: A segment specifying weights and quantity of shipment unit loads of the entire shipment.
Usage : A..2

SG1 RFF

Function: A group of segments referencing documents relating to the whole message.
Usage : D1
Notes : Normally references are specified at the line item level. Where the information refers to the whole Despatch Advice message it must be in SG1. Where the information is not the same in every line item (LIN) it must appear in every SG16, and not here.

RFF REFERENCE

Function: A segment specifying a document reference number.
Usage : M1

SG2 NAD

Function: A group of segments identifying the parties involved and their associated information, relevant to the whole message.
Usage : R..3
Notes : The address of the buyer (BY) and seller (SE) must be present.

Where possible, only the coded form of the party id. should be specified, e.g. the buyer and seller are known to each other, thus only the coded id. is required.

NAD NAME AND ADDRESS

Function: A segment identifying the function and coded identification, name and address of a party involved.
Usage : M3

SG6 TDT-SG7

Function: A group of segments specifying transport details.
Usage : D..2
Notes : The segment group must be used if the shipment has occurred i.e. if the code used in the BGM DE 1001 is '351'. If the code used in DE 1001 is '345' (ready for despatch) then this is an optional segment group.
The segment group will be repeated for specifying the mode of transportation for successive stages e.g. road, air.
When required, carrier identification and name may be given in TDT CO C040.

TDT DETAILS OF TRANSPORT

Function: A segment specifying the stage and mode of transport, the identification of the means of transport, and if necessary the carrier information.
Usage : M1

SG7 LOC-DTM

Function: A group of segments specifying the location information applying to the transportation.
Usage : O..2
Notes :

LOC PLACE/LOCATION IDENTIFICATION

Function: A segment identifying the location.
Usage : M1

DTM DATE/TIME/PERIOD

Function: A segment specifying the date/time of departure and/or arrival of the transported goods for the specified location.
Usage : A..2

SG10 CPS-SG11-SG15

Function: A group of segments providing details of all package levels and of the individual despatched items contained in the shipment. This segment group provides the capability to give the hierarchical packing relationship. The group defines a logical top-down order structure. The lowest level package information of the hierarchy is followed by the detail part information.
Usage : D..9999
Notes : TI's business practices describe the contents of a despatch advice according to the PACKAGE driven logic:

The despatch advice is described package by package, according to the physical structure of the packaging hierarchy, starting from the outer packages ending with the inner packages. The contended items are identified at the lowest level of the packaging structure. There is a one to one relationship between the CPS and PAC segments.

See the EXAMPLE section of the guide on how to use this segment group.

Package identification numbers will be placed in the GIN segment in SG14.

The usage of SG15 within the CPS segment group is dependent on the level of packaging being described. If describing packages that contain lower level packages, then this group of segments would be omitted until the lowest level package was being described.

This segment group is not required when a cancellation is sent.

CPS CONSIGNMENT PACKING SEQUENCE

Function: A segment identifying the sequence in which physical packing is presented in the consignment, e.g. boxes loaded onto a pallet.
Usage : M1

SG11 PAC-SG12-SG13-SG14

Function: A group of segments identifying packaging with associated information.
Usage : A..10
Notes : Use of this segment group is dependent on the trading partners agreement to describe the consignment by the packaging levels. While it is not mandatory to describe the hierarchical structure of the shipment, for a number of reasons (customs, insurance, etc.), it is advised to specify at least each unit delivered.

PAC PACKAGE

Function: A segment specifying the number and type of identical packages for given items, or of identical handling units of the despatch.
Usage : M1

SG13 PCI-SG14

Function: A group of segments specifying packaging identification numbers and associated reference document numbers.
Usage : A1

Notes : If barcode labelling is used on the packaging it is recommended that the packaging identification be one of the items barcoded.

When a unique package identification (licence plate) exists, it is sent in the GIN segment (SG14).

The usage of SG14 is dependent on the existence of a package identification (licence plate) on the package.

PCI PACKAGE IDENTIFICATION

Function: A segment indicating whether package markings are from the buyer or the seller.
Usage : M1

SG14 GIN

Function: A group of segments providing the identity number of a package being despatched.
Usage : D1
Notes : The usage of this segment group is dependent on the existence of a package identification (licence plate) on the package.

GIN GOODS IDENTITY NUMBER

Function: A segment giving the unique identification number of the package.
Usage : M1

SG15 LIN-PIA-QTY-SG16

Function: A group of segments providing details of the line items i.e. individual despatched items within the packages described.
Usage : D..9999
Notes : The usage of this group within the CPS segment group is dependent on the level of packaging being described. If describing packages that contain lower level packages, then this group of segments would be omitted until the lowest level package was being described.

This segment loop is required at least once for the lowest level of packaging.

The seller/shipper should only need to indicate in the Despatch Advice message the same item identification as was given in the Purchase Order message. This item identification should be placed in the LIN segment.

The PIA segment is dependent on whether the primary reference to the item being ordered is insufficient to identify the item.

Item identifications should be used wherever possible.

Physical representation of the data in the LIN segment can be handled by barcoded product and package labels.

Examples of use are:

1. Item as identified by the buyer’s product id. number.

```
LIN+1++12345-12:BP::92’
```

2. Item as identified by the buyer’s product id. number with an additional engineering change level assigned by the seller.

```
LIN+1++ABCDE-AA:BP::92’
PIA+1+ABCDE-AA-1:EC::92’
```

3. Item as identified by the seller’s product id. number with the addition of the buyer’s reference number for this product.

```
LIN+1++ABCDE-AA:VP::91’
PIA+1+12345-12:BP::92’
```

LIN LINE ITEM

Function: A segment specifying a line item by its item number, and agreed to be the primary reference number between the buyer and seller.
The segment also carries a sequence number assigned to the line item within the message.

Usage : M1

PIA ADDITIONAL PRODUCT ID

Function: A segment providing additional or substitute identification numbers for the line item.
Usage : D..2

QTY QUANTITY

Function: A segment indicating the despatch quantity for the line item.
Usage : R1

SG16 RFF

Function: A group of segments specifying identifying numbers and dates/times of previous documents associated with the line item.
Usage : A..4
Notes : References are normally used at this level.
The DTM segment must be sent where local law requires the date of a reference document to be sent.

RFF REFERENCE

Function: A segment specifying an identifying number.
Usage : M1

UNT MESSAGE TRAILER

Function: A service segment ending, and providing information for checking the completeness of a message.
Usage : M1

UNH MESSAGE HEADER

Function: A service segment heading, and uniquely identifying the message.
Usage : M1
Notes : Refer to EDIFICE Utilisation of the UN/EDIFACT Service Segments, Issue 3.

Ref.	Rep.		Name		EDIFICE Utilisation
0062	an..14	M	MESSAGE REFERENCE NUMBER	M	Transmission message count from 1
S009		M	MESSAGE IDENTIFIER	M	
0065	an..6	M	Message type identifier	M	DESADV
0052	an..3	M	Message type version number	M	D
0054	an..3	M	Message type release number	M	97A
0051	an..2	M	Controlling agency	M	UN
0057	an..6	C	Association assigned code	R	EDDS05
0068	an..35	C	COMMON ACCESS REFERENCE	N	
S010		C	STATUS OF THE TRANSFER	N	
0070	n..2	M	Sequence message transfer number		
0073	a1	C	First/last sequence message transfer indication		

BGM BEGINNING OF MESSAGE

Function: A segment uniquely identifying the message by means of its coded name, number and function.
Usage : M1
Notes : The message number is the same as the shipment number.

Ref.	Rep.		Name	EDIFICE Utilisation	
C002		C	DOCUMENT/MESSAGE NAME	R	
1001	an..3	C	Document/message name, coded	R	351 = Despatch advice
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	N	
1000	an..35	C	Document/message name	N	
C106		C	DOCUMENT/MESSAGE IDENTIFICATION	R	
1004	an..35	C	Document/message number	R	The recommendation is that the shipment number be used to uniquely identify the despatch advice. The shipment number is a unique number, created by the supplying company, which will be used to identify the shipment from the supplier through to the receiving location's receipt validation step.
1056	an..9	C	Version	N	
1060	an..6	C	Revision number	N	
1225	an..3	C	MESSAGE FUNCTION, CODED	R	9 = Original
4343	an..3	C	RESPONSE TYPE, CODED	N	

DTM DATE/TIME/PERIOD

Function: A segment specifying the date/time of creation of the message and, other dates relevant to the whole message.
Usage : R1
Notes : All dates and times are local dates and times to the place of activity being described. It is required to specify the date of issue of the message.

Ref.	Rep.		Name	EDIFICE Utilisation	
C507		M	DATE/TIME/PERIOD	M	
2005	an..3	M	Date/time/period qualifier	M	11 = Despatch date and or time
2380	an..35	C	Date/time/period	R	
2379	an..3	C	Date/time/period format qualifier	R	102 = CCYYMMDD

MEA MEASUREMENTS

Function: A segment specifying weights and quantity of shipment unit loads of the entire shipment.
Usage : A..2
Notes :

Ref.	Rep.		Name		EDIFICE Utilisation
6311	an..3	M	MEASUREMENT PURPOSE QUALIFIER	M	CT = Counts WT = Weights
C502		C	MEASUREMENT DETAILS	R	
6313	an..3	C	Property measured, coded	R	AAD = Total gross weight SQ = Shipped quantity
6321	an..3	C	Measurement significance, coded	N	
6155	an..17	C	Measurement attribute identification	N	
6154	an..70	C	Measurement attribute	N	
C174		C	VALUE/RANGE	R	
6411	an..3	M	Measure unit qualifier	M	KGM = kilogram NMP = number of packs
6314	an..18	C	Measurement value	R	
6162	n..18	C	Range minimum	N	
6152	n..18	C	Range maximum	N	
6432	n..2	C	Significant digits	N	
7383	an..3	C	SURFACE/LAYER INDICATOR, CODED	N	

SG1 RFF

RFF REFERENCE

Function: A segment specifying a document reference number.
Usage : M1
Notes :

Ref.	Rep.		Name	EDIFICE Utilisation	
C506		M	REFERENCE	M	
1153	an..3	M	Reference qualifier	M	AWB = Air waybill number
1154	an..35	C	Reference number	R	
1156	an..6	C	Line number	N	
4000	an..35	C	Reference version number	N	

SG2 NAD

NAD NAME AND ADDRESS

Function: A segment identifying the function and coded identification, name and address of a party involved.
Usage : M3
Notes : It is advised that the party identification CO C082 be used. When CO C082 cannot be used it is recommended to use the structured name and address CO C080 through DE 3207 rather than the unstructured one CO C058.

Ref.	Rep.		Name		EDIFICE Utilisation
3035	an..3	M	PARTY QUALIFIER	M	BY = Buyer DP = Delivery party This is the 'ship to' address SE = Seller
C082		C	PARTY IDENTIFICATION DETAILS	A	
3039	an..35	M	Party id. identification	M	Code identifying the party
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	R	91 = Assigned by seller or seller's agent 92 = Assigned by buyer or buyer's agent
C058		C	NAME AND ADDRESS	D	
3124	an..35	M	Name and address line	M	
3124	an..35	C	Name and address line	O	
3124	an..35	C	Name and address line	O	
3124	an..35	C	Name and address line	O	
3124	an..35	C	Name and address line	O	
C080		C	PARTY NAME	D	
3036	an..35	M	Party name	M	
3036	an..35	C	Party name	O	
3036	an..35	C	Party name	O	
3036	an..35	C	Party name	O	
3036	an..35	C	Party name	O	
3045	an..3	C	Party name format, coded	N	
C059		C	STREET	D	
3042	an..35	M	Street and number/p.o. box	M	
3042	an..35	C	Street and number/p.o. box	O	
3042	an..35	C	Street and number/p.o. box	O	
3042	an..35	C	Street and number/p.o. box	O	
3164	an..35	C	CITY NAME	D	
3229	an..9	C	COUNTRY SUB-ENTITY IDENTIFICATION	D	
3251	an..9	C	POSTCODE IDENTIFICATION	D	
3207	an..3	C	COUNTRY, CODED	D	Use ISO 3166, 2 alpha code

SG6 TDT-SG7

TDT DETAILS OF TRANSPORT

Function: A segment specifying the stage and mode of transport, the identification of the means of transport, and if necessary the carrier information.
Usage : M1
Notes : DE 8028 may be used to reference a current transport stage as identified in DE 8051, if this information is already known e.g. flight number.
Identification such as vehicle licence plate number may be provided in CO C222 DE 8212.

Ref.	Rep.		Name	EDIFICE Utilisation	
8051	an..3	M	TRANSPORT STAGE QUALIFIER	M	20 = Main-carriage transport
8028	an..17	C	CONVEYANCE REFERENCE NUMBER	A	Used for flight or voyage number.
C220		C	MODE OF TRANSPORT	R	
8067	an..3	C	Mode of transport, coded	R	Use the following codes from UN/ECE Recommendation no.19: 2 = Rail transport 3 = Road transport 5 = Mail 6 = Multimodal transport
8066	an..17	C	Mode of transport	N	
C228		C	TRANSPORT MEANS	N	
8179	an..8	C	Type of means of transport identification		
8178	an..17	C	Type of means of transport		
C040		C	CARRIER	A	
3127	an..17	C	Carrier identification	A	Mutually defined code
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	A	91 = Assigned by seller or seller's agent 92 = Assigned by buyer or buyer's agent
3128	an..35	C	Carrier name	D	Used if no coded name exchanged in DE 3127
8101	an..3	C	TRANSIT DIRECTION, CODED	N	
C401		C	EXCESS TRANSPORTATION INFORMATION	N	
8457	an..3	M	Excess transportation reason, coded		
8459	an..3	M	Excess transportation responsibility, coded		
7130	an..17	C	Customer authorization number		
C222		C	TRANSPORT IDENTIFICATION	A	
8213	an..9	C	Id. of means of transport identification	N	
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	N	
8212	an..35	C	Id. of the means of transport	R	Vessel name or vehicle licence number
8453	an..3	C	Nationality of means of transport, coded	O	Use ISO 3166, 2 alpha code
8281	an..3	C	TRANSPORT OWNERSHIP, CODED	N	

SG7 LOC-DTM

LOC PLACE/LOCATION IDENTIFICATION

Function: A segment identifying the location.
Usage : M1
Notes :

Ref.	Rep.		Name		EDIFICE Utilisation
3227	an..3	M	PLACE/LOCATION QUALIFIER	M	5 = Place of departure 7 = Place of delivery
C517		C	LOCATION IDENTIFICATION	R	
3225	an..25	C	Place/location identification	R	Use UN/ECE Recommendation no.16: UNLOCODE. If not applicable, use codes from another appropriate code set in combination with DE 1131/3055.
1131	an..3	C	Code list qualifier	D	
3055	an..3	C	Code list responsible agency, coded	D	Examples of codes are: 91 = Assigned by seller or seller's agent
3224	an..70	C	Place/location	N	
C519		C	RELATED LOCATION ONE IDENTIFICATION	N	
3223	an..25	C	Related place/location one identification		
1131	an..3	C	Code list qualifier		
3055	an..3	C	Code list responsible agency, coded		
3222	an..70	C	Related place/location one		
C553		C	RELATED LOCATION TWO IDENTIFICATION	N	
3233	an..25	C	Related place/location two identification		
1131	an..3	C	Code list qualifier		
3055	an..3	C	Code list responsible agency, coded		
3232	an..70	C	Related place/location two		
5479	an..3	C	RELATION, CODED	N	

SG7 LOC-DTM

DTM DATE/TIME/PERIOD

Function: A segment specifying the date/time of departure and/or arrival of the transported goods for the specified location.
Usage : A..2
Notes : All dates and times are local to the place of the activity being described.

Ref.	Rep.		Name		EDIFICE Utilisation
C507		M	DATE/TIME/PERIOD	M	
2005	an..3	M	Date/time/period qualifier	M	11 = Despatch date and or time 17 = Delivery date/time, estimated
2380	an..35	C	Date/time/period	R	
2379	an..3	C	Date/time/period format qualifier	R	102 = CCYYMMDD

SG10 CPS-SG11-SG15

CPS CONSIGNMENT PACKING SEQUENCE

Function: A segment identifying the sequence in which physical packing is presented in the consignment, e.g. boxes loaded onto a pallet.
Usage : M1
Notes : DE 7166 is dependent on the usage of more than one packaging level, i.e. it will not be used if only one level of packing is being described.

Ref.	Rep.		Name	EDIFICE Utilisation	
7164	an..12	M	HIERARCHICAL ID. NUMBER	M	Sequential numbering is recommended. The number remains unique within the message.
7166	an..12	C	HIERARCHICAL PARENT ID.	D	Identifies the hierarchical link between packaging levels by containing the hierarchical Id (DE 7164) of the package at the higher level (its parent).
7075	an..3	C	PACKAGING LEVEL, CODED	N	

SG11 PAC-SG12-SG13-SG14

PAC PACKAGE

Function: A segment specifying the number and type of identical packages for given items, or of identical handling units of the despatch.
Usage : M1
Notes :

Ref.	Rep.		Name	EDIFICE Utilisation	
7224	n..8	C	NUMBER OF PACKAGES	R	
C531		C	PACKAGING DETAILS	N	
7075	an..3	C	Packaging level, coded		
7233	an..3	C	Packaging related information, coded		
7073	an..3	C	Packaging terms and conditions, coded		
C202		C	PACKAGE TYPE	R	
7065	an..17	C	Type of packages identification	R	The following codes are taken from the UN/ECE Recommendation no.21, (TDED 5.8). If not applicable, use codes from another appropriate code set in combination with DE 1131/3055. BX = Box
1131	an..3	C	Code list qualifier	D	
3055	an..3	C	Code list responsible agency, coded	D	
7064	an..35	C	Type of packages	N	
C402		C	PACKAGE TYPE IDENTIFICATION	N	
7077	an..3	M	Item description type, coded		
7064	an..35	M	Type of packages		
7143	an..3	C	Item number type, coded		
7064	an..35	C	Type of packages		
7143	an..3	C	Item number type, coded		
C532		C	RETURNABLE PACKAGE DETAILS	N	
8395	an..3	C	Returnable package freight payment responsibility, coded		
8393	an..3	C	Returnable package load contents, coded		

SG13 PCI-SG14

PCI PACKAGE IDENTIFICATION

Function: A segment indicating whether package markings are from the buyer or the seller.
Usage : M1
Notes : The value entered in this segment is only used to enable access to the following segments within this segment group.

Ref.	Rep.		Name		EDIFICE Utilisation
4233	an..3	C	MARKING INSTRUCTIONS, CODED	R	17 = Seller’s instructions
C210		C	MARKS & LABELS	N	
7102	an..35	M	Shipping marks		
7102	an..35	C	Shipping marks		
7102	an..35	C	Shipping marks		
7102	an..35	C	Shipping marks		
7102	an..35	C	Shipping marks		
7102	an..35	C	Shipping marks		
7102	an..35	C	Shipping marks		
7102	an..35	C	Shipping marks		
7102	an..35	C	Shipping marks		
7102	an..35	C	Shipping marks		
8275	an..3	C	CONTAINER/PACKAGE STATUS, CODED	N	
C827		C	TYPE OF MARKING	N	
7511	an..3	M	Type of marking, coded		
1131	an..3	C	Code list qualifier		
3055	an..3	C	Code list responsible agency, coded		

SG14 GIN

GIN GOODS IDENTITY NUMBER

Function: A segment giving the unique identification number of the package.
Usage : M1
Notes : When using barcoding this information relates to the appropriate data identifiers that indicate Licence Plate.

Ref.	Rep.		Name		EDIFICE Utilisation
7405	an..3	M	IDENTITY NUMBER QUALIFIER	M	ML = Marking/label number
C208		M	IDENTITY NUMBER RANGE	M	The first DE 7402 in the composite data element is the start of the consecutively numbered range, the second DE 7402 indicates the end of the range. If there is no range only the first DE 7402 is used. If the identity numbers are not sequential and part of a series (e.g. 1,3,10) then a separate CO C208 and DE 7402 must be used for each identity number.
7402	an..35	M	Identity number	M	
7402	an..35	C	Identity number	D	
C208		C	IDENTITY NUMBER RANGE	O	As for first CO C208
7402	an..35	M	Identity number	M	
7402	an..35	C	Identity number	D	
C208		C	IDENTITY NUMBER RANGE	O	As for first CO C208
7402	an..35	M	Identity number	M	
7402	an..35	C	Identity number	D	
C208		C	IDENTITY NUMBER RANGE	O	As for first CO C208
7402	an..35	M	Identity number	M	
7402	an..35	C	Identity number	D	
C208		C	IDENTITY NUMBER RANGE	O	As for first CO C208
7402	an..35	M	Identity number	M	
7402	an..35	C	Identity number	D	

SG15 LIN-PIA-QTY-SG16

LIN LINE ITEM

Function: A segment specifying a line item by its item number, and agreed to be the primary reference number between the buyer and seller.
The segment also carries a sequence number assigned to the line item within the message.
Usage : M1
Notes :

Ref.	Rep.		Name	EDIFICE Utilisation	
1082	an..6	C	LINE ITEM NUMBER	R	This number is assigned by the sender of the message. The first line item within a message will be numbered 1 and further line items will be incremented by 1 for each new line.
1229	an..3	C	ACTION REQUEST/NOTIFICATION, CODED	N	
C212		C	ITEM NUMBER IDENTIFICATION	A	
7140	an..35	C	Item number	R	Primary reference
7143	an..3	C	Item number type, coded	R	BP = Buyer’s part number VP = Vendor’s (seller’s) part number
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	R	91 = Assigned by seller or seller’s agent 92 = Assigned by buyer or buyer’s agent
C829		C	SUB-LINE INFORMATION	N	
5495	an..3	C	Sub-line indicator, coded		
1082	an..6	C	Line item number		
1222	n..2	C	CONFIGURATION LEVEL	N	
7083	an..3	C	CONFIGURATION, CODED	N	

SG15 LIN-PIA-QTY-SG16

PIA ADDITIONAL PRODUCT ID

Function: A segment providing additional or substitute identification numbers for the line item.
Usage : D..2
Notes : The 5 internal repetitions of CO C212 may be used, but EDIFICE recommends to only use the first occurrence.

Ref.	Rep.		Name		EDIFICE Utilisation
4347	an..3	M	PRODUCT ID. FUNCTION QUALIFIER	M	1 = Additional identification
C212		M	ITEM NUMBER IDENTIFICATION	M	
7140	an..35	C	Item number	R	
7143	an..3	C	Item number type, coded	R	VP = Vendor’s (seller’s) part number
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	R	91 = Assigned by seller or seller’s agent
C212		C	ITEM NUMBER IDENTIFICATION	O	As for first CO C212
7140	an..35	C	Item number	R	
7143	an..3	C	Item number type, coded	R	
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	O	
C212		C	ITEM NUMBER IDENTIFICATION	O	As for first CO C212
7140	an..35	C	Item number	R	
7143	an..3	C	Item number type, coded	R	
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	O	
C212		C	ITEM NUMBER IDENTIFICATION	O	As for first CO C212
7140	an..35	C	Item number	R	
7143	an..3	C	Item number type, coded	R	
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	O	
C212		C	ITEM NUMBER IDENTIFICATION	O	As for first CO C212
7140	an..35	C	Item number	R	
7143	an..3	C	Item number type, coded	R	
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	O	

SG15 LIN-PIA-QTY-SG16

QTY QUANTITY

Function: A segment indicating the despatch quantity for the line item.
Usage : R1
Notes : DE 6411 is only used if the current product is of variable quantity.

Ref.	Rep.		Name	EDIFICE Utilisation	
C186		M	QUANTITY DETAILS	M	
6063	an..3	M	Quantity qualifier	M	12 = Despatch quantity
6060	n..15	M	Quantity	M	
6411	an..3	C	Measure unit qualifier	D	PCE = piece

SG16 RFF

RFF REFERENCE

Function: A segment specifying an identifying number.
Usage : M1
Notes : Where references do not apply to the whole message they must appear here.

Ref.	Rep.		Name	EDIFICE Utilisation	
C506		M	REFERENCE	M	
1153	an..3	M	Reference qualifier	M	ON = Order number (purchase) PK = Packing list number VN = Order number (vendor)
1154	an..35	C	Reference number	R	As specified by DE 1153
1156	an..6	C	Line number	O	To hold the line number within the referenced document identified in the RFF segment (DE 1154). That is the case when DE 1153 = 'ON'.
4000	an..35	C	Reference version number	N	

UNT MESSAGE TRAILER

Function: A service segment ending, and providing information for checking the completeness of a message.
Usage : M1
Notes :

Ref.	Rep.		Name	EDIFICE Utilisation	
0074	n..6	M	NUMBER OF SEGMENTS IN A MESSAGE	M	Count of all segments in the message, UNH and UNT included.
0062	an..14	M	MESSAGE REFERENCE NUMBER	M	Must be the same reference number as in DE 0062 of the UNH segment of this message.

EXAMPLES

```
UNH+1+DESADV:D:97A:UN:EDDS05'

BGM+351+1205393+9'                              Despatch Advice - Original
DTM+137:19980718:102'                           Document Date
MEA+WT+AAD+KGM:15'                              Total Weight
MEA+CT+SQ+NMP:1'                                Number of Cartons to be delivered
RFF+AWB:1205393'                                Waybill Number

NAD+DP+GA/ERA/DEL::92++COMPANY ABC              Customer - Delivery Party ID
NAD+SE+GBTXI.TXI002::92++TEXAS INSTRUMENTS'     Seller Id

TDT+20++SUR++CARRIER XYZ'                       Carrier mode, and ID

LOC+5'
DTM+11:19980716:102'                            Despatch Date
LOC+7'
DTM+11:19980719:102'                            Expected Delivery date (Dock Date)

CPS+1'                                          First Package (Item)
PAC+1++BX'
PCI+17'
GIN+ML+EC412219'                                TI Box Number
LIN+1++RYT3252001/2C:BP::92'                    Buyer s Part Number
PIA+1+SN74ABTH18502APMR:VP::91'                 TI Part Number
QTY+12:2000:PCE'                                Quantity Despatched
RFF+PK:003943018'                               TI Packlist Number
RFF+ON:IPG046042102:11'                         Customer PO Number & Item
RFF+VN:001335829:00001'                         TI Sales Order Number & Item

CPS+2'                                          Second Package (Item)
PAC+1++BX'
PCI+17'
GIN+ML+EC412219'                                TI Box Number
LIN+2++RYT3066011/C:BP::92'                     Buyer s Part Number
PIA+1+SN74HC573ADWR:VP::91'                     TI Part Number
QTY+12:6000:PCE'                                Quantity Despatched
RFF+PK:003943241'                               TI Packlist Number
RFF+ON:IPG045931801:9'                          Customer PO Number & Item
RFF+VN:001335828:00001'                         TI Sales Order Number & Item


CPS+3'                                          Third Package (Item)
PAC+1++BX'
PCI+17'
GIN+ML+EC412219'                                TI Box Number
LIN+3++RYT3062007/C:BP::92'                     Buyer s Part Number
PIA+1+SN74HC04DR:VP::91'                        TI Part Number
QTY+12:7500:PCE'                                Quantity Despatched
RFF+PK:003944985'                               TI Packlist Number
RFF+ON:IPG045066204:7'                          Customer PO Number & Item
RFF+VN:001338562:00001'                         TI Sales Order Number & Item

CPS+4'                                          Fourth Package (Item)
PAC+1++BX'
PCI+17'
GIN+ML+EC412219'                                TI Box Number
LIN+4++RYT1096042/1C:BP::92'                    Buyer s Part Number
PIA+1+SN75175DR:VP::91'                         TI Part Number
QTY+12:2500:PCE'                                Quantity Despatched
RFF+PK:003945209'                               TI Packlist Number
RFF+ON:IPG036644023:3'                          Customer PO Number  & Item
RFF+VN:001338561:00001'                         TI Sales Order Number & Item

UNT+54+1'                                       Number of segments - UNH to UNT
```