Delivery Forecast
EDIFACT DELFOR D97.A

0. TABLE OF CONTENT

CHANGES AND REVISIONS

Revision Record	Revised by	Date
Initial Release		
Reformatted document. No segment changes.	Jeff Criswell	03/06/2006
Revised document number . Updated to Kongsberg Was QEP 6.3.10 now QW 7.5.1.6 (Com)	Cathleen White	01/25/2008
Changed document to follow SAP implementation	Esbjörn Larsson	06-Dec-2013

1. INTRODUCTION

This document provides the specific description of the EDIFACT DELFOR D97.A message.

2. MESSAGE DEFINITION

This document provides the definition of a Delivery Instruction Message, based on the EDIFACT DELFOR D97.A, to be used in Electronic Data Interchange (EDI) between Kongsberg and its Trading Partners.

This documentation is fully comprehensive and allows the implementation of the EDIFACT DELFOR without the necessity for any additional standard related documentation.

2.1. FUNCTIONAL DEFINITION

The Delivery Instruction message is a message from Kongsberg to a Kongsberg Supplier giving details for both short and long term material requirements in line with the conditions set out in the purchase contract.

This message may only be used as shipping and planning forecast.

2.2. PRINCIPLES

The Delivery Instruction message is intended to:

- Specify requirements based on the delivery conditions.
- Define the aspects that guarantee synchronisation between Kongsberg and the Supplier.
- Provide information allowing the Supplier to plan for future requirements, to purchase raw materials.

2.3. REFERENCES

The content of this message is based on:

- The message structure as defined by EDIFACT for the Delivery Schedule Message DELFOR as published in the UN/EDIFACT D97.A Directory.

- The agreement between the Trading Partners on the data elements to be used, their unique definition, their representation and their values (coded or clear form) as identified in this document.

2.4. FIELD OF APPLICATION

The following definition of a Delivery Instruction Message in EDIFACT format is applicable for the interchange of delivery instructions issued by Kongsberg for material deliveries to one or more Kongsberg Operations.

3. MESSAGE DESCRIPTION

Following pages contain a full description of the EDIFACT DELFOR D97.A message as implemented by Kongsberg Automotive.

3.1. INTRODUCTION

3.1.1. How to read the documentation

All segments in the subset used by Kongsberg are described in the following pages.
The segment description is to be read as follows:

❶ **0020**   **BGM** - BEGINNING OF MESSAGE

❷	Segment group:	none.		Level:	1.
❸	EDIFACT status:	mandatory.		Status:	mandatory.
❹	Maximum use:	1 per message.		Occurrences:	1 per message.
❺	Function:	segment for the unique identification of the delivery schedule document, by means of its name and its number.			
❺	Interchange:	see remarks.			
❻	Example:	**BGM+241+12+5'**			
		A B C			

❼

❽		EDIFACT STANDARD DEFINITION				IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	C002	*DOCUMENT/MESSAGE NAME*	C			C		
	1001	Document/message name, coded	C	an..3	:	C	an..3	'**241**' = Delivery Schedule
❾	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	:			
	1000	Document/message name	C	an..35	+			
B	C106	*DOCUMENT/MESSAGE IDENTIFICATION*	C					
	1004	Document/message number	C	an..35	:	C	an..35	Assigned release number
	1056	Version	C	an..9	:			
	1060	Revision number	C	an..6	+			
C	1225	MESSAGE FUNCTION, CODED	C	an..3	+	C	an..3	Function of the message. For code values see below.
	4343	RESPONSE TYPE, CODED	C	an..3	'			

❿ **COMMENTS**

❿ **CODE VALUES**

LEGEND

❶   Segment position in the message structure, segment tag and segment name.

❷   Identification (when applicable) of the segment group in which the segment is situated and indication at which level the segment is in the message.

❸   Status of the segment: as defined by EDIFACT and by Kongsberg.

❹   Number of occurrences of the segment: as defined by EDIFACT and by Kongsberg.

❺   Description of the function of the segment as defined by EDIFACT and by Kongsberg.

❻   Example of the segment as it may appear in an interchange. This example is only illustrative and does not necessarily represent an actual situation. It should **NOT** be used as a basis to implement this message.

❼   Definition of the segment content as defined by EDIFACT and as implemented by Kongsberg.

❽   Identification of the data elements in the segment
   • Reference to the example.

- Data element tag - data elements with a 'C' denote a composite data element.
- Data element name - *italic CAPITALS* denote a composite data element.
- **ST** - the status of the data element.
- **FT** - the format of the data element, i.e. the indication of the number of characters (numerical or alphabetical) for this data element.
- **SP** - the separator used between the data elements.
- Remarks on the specific use of the data element in the interchange.

❾   Shaded areas in the description mean that the data elements is not used by Kongsberg.

❿   The segment description can be followed by:
- Comments providing more information regarding specific data elements and how they must be used and/or understood in messages.
- Code values to be used for data elements contained in the message.

3.1.2. General remarks

Following remarks are applicable for the complete documentation:

- **Dates**
  Unless otherwise specified in the field explanation in the documentation, dates are always expressed as **CCYYMMDD** (qualifier 2379 = 102).

- **Times**
  Unless otherwise specified in the field explanation in the documentation, times are always expressed as **HHMM**.

3.3. BRANCHING DIAGRAM

The branching diagram shows the structure of the message. It is a combination of various segments that are organized in a certain hierarchical order.

A segment is a pre-defined set of functionally related values (e.g., segment NAD groups all values that relate to a Party: name - address - etc.)

Each segment within the branching diagram is broken down into one or multiple data elements. Within a segment, only those data elements that contain data must appear.

3.4. DATA SEGMENTS DESCRIPTION

0000 UNB - INTERCHANGE HEADER

Segment Group:	none
EDIFACT Status:	mandatory
Maximum use:	1 per interchange
Function:	Service segment providing the unique identification of an interchange. It allows the identification of the sender and the receiver of the interchange, gives date and time of preparation as well as the interchange control reference and the application reference.
Interchange:	See remarks.

Level:	0
Status:	mandatory
Occurrences:	1 per interchange

Example: **UNB+UNOA:2+KADUNS:QQ+SUPPLIERDUNS:QQ+060306:0735+00000000000101++TFX'**
                A   B C   D   E   F   G   H

		EDIFACT STANDARD DEFINITION				IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	S001	*SYNTAX IDENTIFIER*	M			M		
	0001	Syntax identifier	M	a4	:	M	a4	"**UNOA**".
B	0002	Syntax version number	M	n1	+	M	n1	Indication of the syntax version used for this message.
C	S002	*INTERCHANGE SENDER*	M			M		
	0004	Sender identification	M	an..35	:	M	an..35	Communication code/mailbox number of the party originating the message.
	0007	Identification code qualifier	C	an..4	:			
	0008	Address for Reverse Routing	C	an..14	+			
D	S003	*INTERCHANGE RECIPIENT*	M			M		
	0010	Recipient identification	M	an..35	:	M	an..35	Communication code/mailbox number of the party receiving the message.
	0007	Identification code qualifier	C	an..4	:			
	0014	Routing address	C	an..14	+			
E	S004	*DATE / TIME OF PREPARATION*	M			M		
	0017	Date of preparation	M	n6	:	M	n6	YYMMDD format
F	0019	Time of preparation	M	n4	+	M	n4	HHMM format
G	0020	INTERCHANGE CONTROL REFERENCE	M	an..14	+	M	an..14	Number assigned to Interchange
	S005	*RECIPIENTS REFERENCE PASSWORD*	C					
	0022	Recipient's reference / password	M	an..14	:			
	0025	Recipient's reference / password qualifier	C	an2	+			
H	0026	APPLICATION REFERENCE	C	an..14	+			
	0029	PROCESSING PRIORITY CODE	C	a1	+			
	0031	ACKNOWLEDGEMENT REQUEST	C	n1	+			
	0032	COMMUNICATIONS AGREEMENT ID	C	an..35	+			
	0035	TEST INDICATOR	C	n1	'			

0010   UNH - MESSAGE HEADER

Segment group: none   Level: 0
EDIFACT Status: mandatory.   Status: mandatory.
Maximum use: 1 per message.   Occurrences: 1 per message.
Function: Service segment starting and uniquely identifying a message. The message type code for the Delivery
                   schedule message is DELFOR.
Interchange: See remarks.

Example: **UNH+1+DELFOR:D:97A:UN'**
                        A   B   C   D   E

		EDIFACT STANDARD DEFINITION				IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	0062	MESSAGE REFERENCE NUMBER	M	an..14	+	M	an..14	Message Control number assigned by the sender to the message. See comments below.
B	S009	*MESSAGE IDENTIFIER*	M			M		
B	0065	Message type	M	an..6	:	M	an..6	"**DELFOR**".
C	0052	Message version number	M	an..3	:	M	an..3	"**D**".
D	0054	Message release number	M	an..3	:	M	an..3	"**97A**".
E	0051	Controlling agency	M	an..2	:	M	an..2	"**UN**".
	0057	Association assigned code	C	an..6	+			
	0068	COMMON ACCESS REFERENCE	C	an..35	+			
	S010	*STATUS OF TRANSFER*	C					
	0070	Sequence of transfer	M	n..2	:			
	0073	First and last transfer	C	a1	'			

COMMENTS

0062 - Message Reference Number

The Message Reference number used by Kongsberg is structured as follows:

First message: **1**
Second message: **2**
Up to: **9999**

1030   UNT - MESSAGE TRAILER

Segment group:	none	Level:	0
EDIFACT status:	mandatory	Status:	mandatory
Maximum use:	1 per message	Occurrences:	1 per message
Function:	Service segment ending a message, giving the total number of segments in the message and the control reference number of the message.		
Interchange:	See remarks.		

Example: **UNT+99+1'**
                    A   B

		EDIFACT STANDARD DEFINITION				IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	0074	NUMBER OF SEGMENTS IN THE MESSAGE	M	n..6		M	n..6	Control count of the number of segments in the message, including UNH and UNT.
B	0062	MESSAGE REFERENCE NUMBER	M	an..14		M	an..14	Number must be identical to UNH - tag 0062

1040 UNZ - INTERCHANGE TRAILER

Segment Group:	none	Level:	0
EDIFACT Status:	mandatory	Status:	mandatory
Maximum use:	1	Occurrences:	1 per interchange

Function: Service segment ending an interchange and giving the number of messages contained in the interchange as well as the Interchange Control Reference number.

Interchange: See remarks.

Example: **UNZ+1+12'**
         A   B

		EDIFACT STANDARD DEFINITION				IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	0036	INTERCHANGE CONTROL COUNT	M	n..6	+	M	n..6	Number of messages in an interchange.
B	0020	INTERCHANGE CONTROL REFERENCE	M	an..14	'	M	an..14	Value must be the same as 0020 - Interchange Control Reference in UNB.

0020   BGM - BEGINNING OF MESSAGE

Segment group: none   Level: 1
EDIFACT Status: mandatory   Status: mandatory
Maximum use: 1 per message   Occurrences: 1 per message
Function: Segment for the unique identification of the delivery schedule document, by means of its name and its number.
Interchange: See remarks.

Example: **BGM+241+12+5'**
                             A   B   C

		EDIFACT STANDARD DEFINITION				IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	C002	*DOCUMENT/MESSAGE NAME*	C			C		
	1001	Document/message name, coded	C	an..3	:	M	an..3	"**241**" = Delivery Schedule. This means that the quantities must be planned for shipment during the week indicated.
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	:			
	1000	Document/message name	C	an..35	+			
B	C106	*DOCUMENT/MESSAGE IDENTIFICATION*	C					
	1004	Document/message number	C	an..35	:	M	an..35	Kongsberg assigned release number.
	1056	Version	C	an..9	:			
	1060	Revision number	C	an..6	+			
C	1225	MESSAGE FUNCTION, CODED	C	an..3	+	M	an..3	Function of the message. For code value see below.
	4343	RESPONSE TYPE, CODED	C	an..3	'			

CODE VALUES

1225 - Message Function, coded

5   Replace
            This schedule replaces the previous schedule.

0030   DTM - DATE/TIME/PERIOD

Segment group:	none	Level:	1
EDIFACT Status:	mandatory	Status:	mandatory
Maximum use:	10 per message at level 1	Occurrences:	max. 1 per message
Function:	Segment specifying the date, and when relevant, the time/period of the beginning and ending of the validity period of the document. The DTM must be specified at least once to identify the Delivery Schedule document date.		
Interchange:	There may be up to 3 occurrences of DTM in position 0030: one to specify the message issue date, one to specify the horizon start date and one for the horizon end date.		
Example:	**DTM+137:20060306:102'** [document generation]		
	A B C		

		EDIFACT STANDARD DEFINITION				IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS

Document generation date.

REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
	C507	*DATE/TIME/PERIOD*	M			M		
A	2005	Date/time/period qualifier	M	an..3	:	M	an..3	"**137**" = Document message date/time.
B	2380	Date/time/period	C	an..35	:	M	an..35	Actual issue date of the document.
C	2379	Date/time/period format qualifier	C	an..3	"	M	an..3	"**102**" = CCYYMMDD.

0040 FTX - FREE TEXT

Segment group:	none
EDIFACT Status:	conditional
Maximum use:	5 per message
Function:	Segment with free text in coded or clear form to give further clarification when required.
Interchange:	See remarks.

Level:	1
Status:	conditional
Occurrences:	max. 5 per message

Example: **FTX+AAI+++TEXT'**
                        A   B

		EDIFACT STANDARD DEFINITION				**IMPLEMENTATION**		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	4451	TEXT SUBJECT QUALIFIER	M	an..3	+	M	an..3	"**AAI**" = General information.
	4453	TEXT FUNCTION, CODED	C	an..3	+			
	C107	*TEXT REFERENCE*	C					
	4441	Free text identification	M	an..17	:			
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	+			
B	C108	*TEXT LITERAL*	C			C		
	4440	Free text	M	an..70	:	M	an..70	Textual information.
	4440	Free text	C	an..70	:			
	4440	Free text	C	an..70	:			
	4440	Free text	C	an..70	:			
	4440	Free text	C	an..70	+			
	3453	LANGUAGE, CODED	C	an..3	'			

Segment group 2: NAD-SG3-SG4

Segment group: 2 [SG2]   Level: 1
EDIFACT Status: conditional   Status: conditional
Maximum use: 99 per message at level 1   Occurrences: max. 3 per message
Function: Group of segments identifying names, addresses, locations, and contacts relevant to the whole Delivery Schedule.
Interchange: See segment description.

0090   NAD - NAME AND ADDRESS

Segment group: 2 [NAD]   Level: 1
EDIFACT Status: mandatory if segment group 2 is used   Status: mandatory
Maximum use: 1 per segment group 2 (max. 99)   Occurrences: 1 per segment group 2
Function: Segment for identifying names and addresses and their functions relevant for the whole Delivery Schedule. Identification of the seller and buyer parties is recommended for the Delivery Schedule message. Exception: the identification of the recipient of the goods must be given in the detail section.
Interchange: The message may contain maximum 4 NAD's in position 0060 as detailed below. Kongsberg will always transmit the 2 first occurrences and may, in some cases, also send the 3rd and/or 4th occurrence.

Example: **NAD+MI+ 002493039::92'**   [Material issuer]
               NAD+SU+123456789::92'   [Supplier]
               NAD+SF+123456789::92'   [Ship From]
                     A   B   C

		EDIFACT STANDARD DEFINITION				IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS

Planning schedule/material release issuer (buyer).

REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	3035	PARTY QUALIFIER	M	an..3	+	M	an..3	"**MI**" = Material issuer.
	C082	*PARTY IDENTIFICATION DETAILS*	C			M		
B	3039	Party id. Identification	M	an..35	:	M	an..35	Code identifying the issuer of the planning schedule. For code values see below.
	1131	Code list qualifier	C	an..3	:			
C	3055	Code list responsible agency, coded	C	an..3	+	M	an..3	For code value see below.
	C058	*NAME AND ADDRESS*	C					
	3124	Name and address line	M	an..35	:			
	3124	Name and address line	C	an..35	:			
	3124	Name and address line	C	an..35	:			
	3124	Name and address line	C	an..35	:			
	3124	Name and address line	C	an..35	+			
	C080	*PARTY NAME*	C					
D	3036	Party name	M	an..35	:			
	3036	Party name	C	an..35	:			
	3036	Party name	C	an..35	:			
	3036	Party name	C	an..35	:			
	3036	Party name	C	an..35	:			
	3045	Party name format, coded	C	an..3	+			
	C059	*STREET*	C					
	3042	Street and number/p.o. box	M	an..35	:			
	3042	Street and number/p.o. box	C	an..35	:			
	3042	Street and number/p.o. box	C	an..35	:			
	3042	Street and number/p.o. box	C	an..35	+			
	3164	CITY NAME	C	an..35	+			
	3229	COUNTRY SUB-ENTITY IDENTIFICATION	C	an..9	+			
	3251	POSTCODE IDENTIFICATION	C	an..9	+			
	3207	COUNTRY, CODED	C	an..3	"			

0090   NAD - CONTINUED

Supplier

A	3035	PARTY QUALIFIER	M	an..3	+	M	an..3	"**SU**" = Supplier.
	C082	*PARTY IDENTIFICATION DETAILS*	C			M		
B	3039	Party id. Identification	M	an..35	:	M	an..35	Code identifying the supplier.
	1131	Code list qualifier	C	an..3	:			
C	3055	Code list responsible agency, coded	C	an..3	+	M	an..3	For code value see below.
	C058	*NAME AND ADDRESS*	C					
	C080	*PARTY NAME*	C					
	3036	Party name	M	an..35	:			.
		REST OF SEGMENT NOT USED.						

Ship From location *(only used when this is different from SU).*

A	3035	PARTY QUALIFIER	M	an..3	+	M	an..3	"**SF**" = Ship From.
	C082	*PARTY IDENTIFICATION DETAILS*	C			M		
B	3039	Party id. Identification	M	an..35	:	M	an..35	Code identifying the ship from location.
	1131	Code list qualifier	C	an..3	:			
C	3055	Code list responsible agency, coded	C	an..3	+	M	an..3	For code value see below.
	C058	*NAME AND ADDRESS*	C					
	C080	*PARTY NAME*	C					
	3036	Party name	M	an..35	:			
		REST OF SEGMENT NOT USED.						

Ordered by *(only used for Ship Direct).*

A	3035	PARTY QUALIFIER	M	an..3	+	M	an..3	"**OB**" = Ordered by.
	C082	*PARTY IDENTIFICATION DETAILS*	C			M		
B	3039	Party id. Identification	M	an..35	:	M	an..35	Code identifying the ordering party.
	1131	Code list qualifier	C	an..3	:			
C	3055	Code list responsible agency, coded	C	an..3	+	M	an..3	For code value see below.
	C058	*NAME AND ADDRESS*	C					
	C080	*PARTY NAME*	C			C		
D	3036	Party name	M	an..35	:	M	an..35	Name of the party. Not always transmitted.
		REST OF SEGMENT NOT USED.						

CODE VALUES

3039 - Party Id. Identification

Individual notification by the implementation plant.

3055 - Code List Responsible Agency, coded

92   Assigned by Buyer

Segment group 6: GIS-SG7-SG12

Segment group:	6 [SG6]	Level:	1
EDIFACT Status:	conditional	Status:	conditional
Maximum use:	9999 per message	Occurrences:	max. 9999 per message
Function:	Group of segments providing details on delivery points and products and related information using one of both scheduling methods.		
Interchange:	See segment description.		

0200   GIS - GENERAL INDICATOR

Segment group:	6 [GIS]	Level:	1
EDIFACT Status:	mandatory if segment group 6 is used	Status:	mandatory
Maximum use:	1 per segment group 6	Occurrences:	1 per segment group 6
Function:	Segment to indicate which method is used by the relevant processing indicator code.		
Interchange:	See remarks.		
Example:	**GIS+37'**		
	A		

		EDIFACT STANDARD DEFINITION				IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	C529	*PROCESSING INDICATOR*	M			M		
	7365	Processing indicator, coded	M	an..3	:	M	an..3	For code value see below.
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3				
	7187	Process type identification	C	an..17	'			

CODE VALUES

7365 - Processing indicator, coded

37   Complete information

Segment group 7: NAD-LOC-FTX-SG8-SG9-SG10-SG11

Segment group:	7 [GIS.SG7]	Level:	2
EDIFACT Status:	conditional	Status:	conditional
Maximum use:	1 per segment group 6	Occurrences:	1 per segment group 6
Function:	Group of segments needed to identify a delivery point and its attached information when the delivery point method is used		
Interchange:	See segment description.		

0220 NAD - NAME AND ADDRESS

Segment group:	7 [GIS.NAD]	Level:	2
EDIFACT Status:	mandatory if segment group 7 is used	Status:	mandatory
Maximum use:	1 per segment group 7	Occurrences:	1 per segment group 7
Function:	Segment for identifying names and addresses and their functions relevant to the delivery point. All other segments in this segment group 7 following the NAD segment refer to that delivery point.		
Interchange:	See remarks.		
Example:	**NAD+ST+002493039::92++KONGSBERG-VAN WERT'**		
	A B C D		

		EDIFACT STANDARD DEFINITION					IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	3035	PARTY QUALIFIER	M	an..3	+	M	an..3	"**ST**" = Ship To.
	C082	*PARTY IDENTIFICATION DETAILS*	C			M		
B	3039	Party id. Identification	M	an..35	:	M	an..35	Code identifying the plant where the material must be delivered. For code value see below.
	1131	Code list qualifier	C	an..3	:			
C	3055	Code list responsible agency, coded	C	an..3	+	M	an..3	Ship-to plant code.
	C058	*NAME AND ADDRESS*	C					
	3124	Name and address line	M	an..35	:			
	3124	Name and address line	C	an..35	:			
	3124	Name and address line	C	an..35	:			
	3124	Name and address line	C	an..35	:			
	3124	Name and address line	C	an..35	+			
	C080	*PARTY NAME*	C					
D	3036	Party name	M	an..35	:			
	3036	Party name	C	an..35	:			
	3036	Party name	C	an..35	:			
	3036	Party name	C	an..35	:			
	3036	Party name	C	an..35	:			
	3045	Party name format, coded	C	an..3	+			
	C059	*STREET*	C					
	3042	Street and number/p.o. box	M	an..35	:			
	3042	Street and number/p.o. box	C	an..35	:			
	3042	Street and number/p.o. box	C	an..35	:			
	3042	Street and number/p.o. box	C	an..35	+			
	3164	CITY NAME	C	an..35	+			
	3229	COUNTRY SUB-ENTITY IDENTIFICATION	C	an..9	+			
	3251	POSTCODE IDENTIFICATION	C	an..9	+			
	3207	COUNTRY, CODED	C	an..3	"			

CODE VALUES

3055 - Code List Responsible Agency, coded

92   Assigned by buyer

Segment group 12: LIN-PIA-IMD-MEA-ALI-GIN-GIR-LOC-DTM-FTX-SG13-SG14-SG15-SG17-SG20-SG22

Segment group:	12 [GIS.SG12]	Level:	2
EDIFACT Status:	conditional	Status:	conditional
Maximum use:	9999 per GIS in segment group 06	Occurrences:	max. 9999 per SG6
Function:	Group of segments providing details of the individual line items for the specified delivery point.		
Interchange:	See segment description.		

0380   LIN - LINE ITEM

Segment group:	12 [GIS.LIN]	Level:	2
EDIFACT Status:	mandatory if segment group 12 is used	Status:	mandatory
Maximum use:	1 per segment group 12 (max. 9999 per GIS)	Occurrences:	1 per segment group 12
Function:	Segment identifying the details of the product or service to be delivered, e.g. product identification. All other segments in the detail section following the LIN segment refer to the line item.		
Interchange:	See remarks.		
Example:	**LIN+++12345678:IN'**		
	A B C		

		EDIFACT STANDARD DEFINITION					IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
	1082	LINE ITEM NUMBER	C	n..6	+			
	1229	ACTION REQUEST/ NOTIFICATION, CODED	C	an..3	+			
A	C212	*ITEM NUMBER IDENTIFICATION*	C			M		
	7140	Item number	C	an..35	:	M	an..35	Kongsberg assigned part number.
B	7143	Item number type, coded	C	an..3	:	M	an..3	"**IN**" = Buyer's item number.
	1131	Code list qualifier	C	an..3	:			
C	3055	Code list responsible agency, coded	C	an..3	+			
	C829	*SUB-LINE INFORMATION*	C					
	5495	Sub-line indicator, coded	C	an..3	:			
	1082	Line item number	C	an..6	+			
	1222	CONFIGURATION LEVEL	C	n..2	+			
	7083	CONFIGURATION, CODED	C	an..3	'			

0450 LOC - PLACE/LOCATION IDENTIFICATION

Segment group:	12 [GIS.LIN.LOC]
EDIFACT Status:	conditional
Maximum use:	999 per LIN in segment group 12
Function:	Segment identifying a specific location to which products, as specified in the LIN-Segment group, should be delivered.
Interchange:	See remarks.

Level:	3
Status:	conditional
Occurrences:	max. 2 per segment group 12

Example: **LOC+11 +A1A2A'**   [Receiving dock]
                    A   B

		EDIFACT STANDARD DEFINITION				IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS

Receiving dock identification.

REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	3227	PLACE/LOCATION QUALIFIER	M	an..3	+	M	an..3	"**11**" = Place/port of discharge.
	C517	*LOCATION IDENTIFICATION*	C			C		
B	3225	Place/location identification	C	an..25	:	C	an..25	Code identifying the receiving dock at the plant.
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	:			
	3224	Place/location	C	an..70	+			
	C519	*RELATED LOCATION ONE ID.*	C					
	3223	Related place/location one Id.	C	an..25	:			
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	:			
	3222	Related place/location one	C	an..70	+			
	C553	*RELATED LOCATION TWO ID.*	C					
	3233	Related place/location two Id.	C	an..25	:			
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	:			
	3232	Related place/location two	C	an..70	+			
	5479	RELATION, CODED	C	an..3	'			

Segment group 13: RFF-DTM

Segment group:	13 [GIS.LIN.SG13]	Level:	3
EDIFACT Status:	conditional	Status:	conditional
Maximum use:	10 per LIN in segment group 12	Occurrences:	1 per segment group 12
Function:	Group of segments giving references related to the line item and where necessary, their dates.		
Interchange:	See segment description.		

0490   RFF - REFERENCE

Segment group:	13 [GIS.LIN.RFF]	Level:	3
EDIFACT Status:	mandatory if segment group 13 is used	Status:	mandatory
Maximum use:	1 per segment group 13 (max. 10)	Occurrences:	1 per segment group 13
Function:	Segment for identifying documents relating to the line item, e.g. a contract and its appropriate line item.		
Interchange:	See remarks.		

Example: **RFF+ON:A1A2A3A4A'**
               A   B

		EDIFACT STANDARD DEFINITION				IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
	C506	*REFERENCE*	M			M		
A	1153	Reference qualifier	M	an..3	:	M	an..3	"**ON**" = Order number.
B	1154	Reference number	C	an..35	:	C	an..35	Number of the Purchase Order relevant for the article defined in the preceding LIN.
	1156	Line number	C	an..6	:			
	4000	Reference version number	C	an..35	'			

0500   DTM - DATE/TIME/PERIOD

Segment group:	13 [GIS.LIN.RFF.DTM]	Level:	4
EDIFACT Status:	conditional	Status:	conditional
Maximum use:	1 per RFF	Occurrences:	not used
Function:	Segment providing the date/time/period of the reference.		
Interchange:	**This segment will only be used in AMK message.**		

Example:

		EDIFACT STANDARD DEFINITION				IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
	C507	*DATE/TIME/PERIOD*	M					
	2005	Date/time/period qualifier	M	an..3	:			
	2380	Date/time/period	C	an..35	:			
	2379	Date/time/period format qualifier	C	an..3	'			

Use of segment groups 15 and 17 in message

Segment groups 15 and 17 are used to provide 6 different kinds of quantity information, i.e.:

<div style="margin-left: 2em">

CALCULATION INFORMATION
cumulative quantity receieved since reconcillation date   [qualifier 6063 = 3]   SG15

REQUIREMENTS INFORMATION
quantity to be delivered   [qualifier 6063 = 1]   SG17

</div>

Each use of segment group 15 and 17 is described separately in the following pages.

CUMULATIVE QUANTITY SHIPPED YEAR TO DATE

Segment group 15: QTY-DTM

0550.[GIS.LIN].**QTY**		Cumulative quantity shipped since start of inventory year
0560.[GIS.LIN.QTY].**DTM**		Cumulative calculation period start date
0560.[GIS.LIN.QTY].**DTM**		Date of last ASN

0550   QTY - QUANTITY

Description: see quantity information 1.

Example: **QTY+3:99999:C62**
               A   B   C

		EDIFACT STANDARD DEFINITION				IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	C186	*QUANTITY DETAILS*	M			M		
	6063	Quantity qualifier	M	an..3	:	M	an..3	"**3**" Actual cumulative quantity shipped.
B	6060	Quantity	M	n..15	:	M	n..15	Cumulative quantity shipped since start of inventory year.
C	6411	Measure unit qualifier	C	an..3	'	C	an..3	For code value see UN/ECE Recommendation No. 20.

0560   DTM - DATE/TIME/PERIOD

Description: see quantity information 1.

Example: **DTM+51:20060101:102'**   [Start date]
                    DTM+11:20060228:102'   [Last recorded shipment date]
                       A   B   C

		EDIFACT STANDARD DEFINITION				IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS

Start date

		EDIFACT STANDARD DEFINITION				IMPLEMENTATION		
A	C507	*DATE/TIME/PERIOD*	M			M		
	2005	Date/time/period qualifier	M	an..3	:	M	an..3	"**51**" = Cumulative quantity, start date.
B	2380	Date/time/period	C	an..35	:	C	an..35	Start date of cumulative quantity calculation.
C	2379	Date/time/period format qualifier	C	an..3	'	C	an..3	"**102**" = CCYYMMDD.

Last recorded shipment date

		EDIFACT STANDARD DEFINITION				IMPLEMENTATION		
A	C507	*DATE/TIME/PERIOD*	M			M		
	2005	Date/time/period qualifier	M	an..3	:	M	an..3	"**11**" = Dispatch Date/Time.
B	2380	Date/time/period	C	an..35	:	C	an..35	Date last received for this part.
C	2379	Date/time/period format qualifier	C	an..3	'	C	an..3	"**102**" = CCYYMMDD.

REQUIREMENT INFORMATION

Segment group 17: SCC-SG18

Segment group:	17 [GIS.LIN.SG17]
EDIFACT Status:	conditional
Maximum use:	999 per LIN in segment group 12
Function:	Group of segments specifying the schedule information for the product identified in the LIN segment. This segment group provides the schedule for the identified delivery point and product.
Interchange:	See description of different occurrences of segment group 17.

Level:	3
Status:	conditional
Occurrences:	max. 999 per SG12

SEGMENT GROUP 17
QUANTITY TO BE DELIVERED.

0610.[GIS.LIN].**SCC**	Schedule status & delivery frequency
0630.[GIS.LIN.SCC].**QTY**	Quantity to be delivered
0640.[GIS.LIN.SCC.QTY].**DTM**	Delivery date/time

0610   SCC - SCHEDULING CONDITIONS

Segment group:	17 [GIS.LIN.SCC]
EDIFACT Status:	mandatory if segment group 17 is used
Maximum use:	1 per segment group 17
Function:	Segment specifying the status of the schedule. Optionally a delivery pattern can be established, e.g. firm or proposed delivery pattern.
Interchange:	Kongsberg will transmit up to 25 weekly quantities.

Level:	3
Status:	mandatory
Occurrences:	1 per segment group 17

Example:	**SCC+1++D'**	[Firm]
	SCC+4++D'	[Planning]
	A B C	

			EDIFACT STANDARD DEFINITION				IMPLEMENTATION		
REF	TAG		NAME	ST	FT	SP	ST	FT	REMARKS
A	4017		DELIVERY PLAN STATUS INDICATOR, CODED	M	an..3	+	M	an..3	Code value qualifying the quantity defined in the following QTY. For code value see below.
	4493		DELIVERY REQUIREMENTS, CODED	C	an..3	+			
B	C329		*PATTERN DESCRIPTION*	C			C		
	2013		Frequency, coded	C	an..3	:	C	an..3	Definition of the time unit for the quantity defined in the preceding QTY. For code value see below.
C	2015		Dispatch pattern, coded	C	an..3	:			
	2017		Dispatch pattern timing, coded	C	an..3	'			

CODE VALUES

4017 - Delivery Plan Status Indicator, coded

1	Firm quantity
4	Planning quantity

2013 - Frequency, coded

D	Discrete

Segment group 18: QTY-DTM-SG19

Segment group:	18 [GIS.LIN.SCC.SG17]	Level:	4
EDIFACT Status:	conditional	Status:	conditional
Maximum use:	999 per SCC in segment group 17	Occurrences:	max. 999 per SG17
Function:	Group of segments specifying product quantities and associated dates.		
Interchange:	See description of different occurrences of segment group 17.		

0630 QTY - QUANTITY

Segment group:	18 [GIS.LIN.SCC.QTY]	Level:	4
EDIFACT Status:	mandatory if segment group 18 is used	Status:	mandatory
Maximum use:	1 per segment group 18 (max. 999 per SCC)	Occurrences:	1 per segment group 18
Function:	Segment to specify scheduled quantities which may be related to schedule(s) and, or pattern established in the following DTM segment, e.g. delivery quantity for a specified date.		
Interchange:	See remarks.		
Example:	**QTY+1:9999:EA'**		
	A B C		

		EDIFACT STANDARD DEFINITION				IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	C186	*QUANTITY DETAILS*	M			M		
	6063	Quantity qualifier	M	an..3	:	M	an..3	"1" = Net Quantity.
B	6060	Quantity	M	n..15	:	M	n..15	Forecasted quantity for the time period defined by the preceding SCC.
C	6411	Measure unit qualifier	C	an..3	'	C	an..3	For code value see UN/ECE Recommendation No. 20.

0640 DTM - DATE/TIME/PERIOD

Segment group:	18 [GIS.LIN.SCC.QTY.DTM]	Level:	5
EDIFACT Status:	conditional	Status:	conditional
Maximum use:	2 per QTY in segment group 18	Occurrences:	max. 1 per segment group 18
Function:	Segment indicating date/time/period details relating to the given quantity.		
Interchange:	See remarks.		
Example:	**DTM+2 :20060403:102'**		
	A B C		

		EDIFACT STANDARD DEFINITION				IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	C507	*DATE/TIME/PERIOD*	M			M		
	2005	Date/time/period qualifier	M	an..3	:	M	an..3	"**2**" = Delivery date/time, requested.
	2380	Date/time/period	C	an..35	:	M	an..35	Monday of the week/period associated with the quantity defined in the preceding QTY.
C	2379	Date/time/period format qualifier	C	an..3	'	M	an..3	"**102**" = CCYYMMDD.

3.5. EXAMPLE OF MESSAGE

Following example is only illustrative and does not necessarily reflect an existing situation. It **MAY NEVER** be used as a basis for programming or implementing this message.

UNB+UNOA:2+KADUNS:QQ+SUPPLIERDUNS:QQ+060306:0735+00000000000101++TFX'	
UNH+00000000000101+DELFOR:D:97A:UN'	
BGM+241+12+5'	
DTM+137:20060306:102'	*Document issue date*
FTX+AAI+++TEXT'	
NAD+MI+002493039::92	*Material issuer*
NAD+SU+123456789::16'	*Supplier*
NAD+SF+123456789::16'	*Ship From*
GIS+37'	
NAD+ST+002493039::92	*Ship To*
LIN+++12345678:IN:ZZZ:12'	*Part Number and E/C Level*
LOC+11+A1A2A'	*Receiving dock*
RFF+ON:A1A2A3A4A'	*Purchase Order*
QTY+3:99999:EA'	*Cum. quantity shipped since start*
DTM+51:20060101:102'	*of inventory year*
DTM+11:20060228:102'	*Last receipt from supplier*
SCC+1++D'	*Quantity to be delivered (firm weekly):Delivery Day*
QTY+1:9999:EA'	*Quantity for week 1*
DTM+2:20060313:102'	*Week 1 identification*
QTY+1:9999:C62'	*Quantity for week 2*
DTM+2:20060320:102'	*Week 2 identification*
QTY …	
SCC+4++D'	*Quantity to be delivered (planning):Delivery Day*
QTY+1:9999:C62'	*Quantity for period 1*
DTM+2:20060403:102'	*Period 1 identification*
QTY+1:9999:C62'	*Quantity for period 2*
DTM+2:20060501:102'	*Period 2 identification*
UNT+51+1'	
UNZ+1+12'	

For ease of reading the message has been shown with each segment type on a separate line, which will not be the case when the message is normally transmitted.