



SANMINA CORPORATION

EDI INBOUND DELFOR RESPONSE MESSAGE

VERSION: EDIFICE D97A

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Trading Partner:	All EDI Suppliers
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DOCUMENT REVISION

Revision No.	Date	Person(s) Responsible	Comments
1	24-SEP-08	Tammy Fleet	Original document
2	24-OCT-11	Tammy Fleet	Updated document removing RFF segment.
3	22-FEB-13	Tammy Fleet	Updated the Sanmina name and logo.
4	17-APR-20	D Smythe	Updated the Logo, minor corrections

DELFOR

Forecast Response Message

A message which is sent from a party who is planning the use or consumption of products to a party who has a plan for the supply of the products. The message gives the requirements regarding details for short-term delivery and/or medium to long term scheduling for products. The scheduling can be used to authorize manufacturing and/or the provision of materials. This is based on the terms and conditions defined in a purchase order contract.

Segments:

Pos	Tag	Segment Name	Status	Repetition	Notes	Usage
	UNB	INTERCHANGE HEADER	M	1	YES	Must use

Heading:

Pos	Tag	Segment Name	Status	Repetition	Notes	Usage
0010	UNH	MESSAGE HEADER	M	1	YES	Must use
0020	BGM	BEGINNING OF MESSAGE	M	1	YES	Must use
0030	DTM	DATE/TIME/PERIOD	C	1	YES	Must use
0080		<u>Segment Group 2</u>	C	2		
0090	NAD	NAME AND ADDRESS	C	1	YES	Must use

Detail:

Pos	Tag	Segment Name	Status	Repetition	Notes	Usage
0190		<u>Segment Group 6</u>	C	10		
0200	GIS	GENERAL INDICATOR	C	1		Must use
0370		<u>Segment Group 12</u>	C	9999		
0380	LIN	LINE ITEM	C	1	YES	Must use
0390	PIA	ADDITIONAL PRODUCT ID	C	1	YES	Optional
0540		<u>Segment Group 15</u>	C	1		
0550	QTY	QUANTITY	C	1	YES	Must use
0600		<u>Segment Group 17</u>	C	999		
0610	SCC	SCHEDULING CONDITIONS	C	1		Must use
0620		<u>Segment Group 18</u>	C	1	YES	
0630	QTY	QUANTITY	C	1		Must use
0640	DTM	DATE/TIME/PERIOD	C	2	YES	Must use
1030	UNT	MESSAGE TRAILER	M	1		Must use

Segments:

Pos	Tag	Segment Name	Status	Repetition	Notes	Usage
	UNZ	INTERCHANGE TRAILER	M	1		Must use

UNB	INTERCHANGE HEADER	Group: N/A	Max: 1
		Mandatory	Elements: 7

To start, identify and specify an interchange.

Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>
UNB010	S001	SYNTAX IDENTIFIER	M	Comp	
	0001	Syntax identifier <u>Code</u> <u>Name</u> UNOA UN/ECE level A	M	A	4/4
	0002	Syntax version number <u>Code</u> <u>Name</u> 1 Version 1	M	N	1/1
UNB020	S002	INTERCHANGE SENDER	M	Comp	
	0004	Sender identification <i>Sanmina's mailbox details are:</i> <i>Production:- SANMINACORP</i> <i>Test:- SANMINACORT</i>		AN	1/35
	0007	Partner identification code qualifier <i>Sanmina's qualifier details are:</i> <i>Production:- 01</i> <i>Test:- ZZ</i>	C	AN	1/4
UNB030	S003	INTERCHANGE RECIPIENT	M	Comp	
	0010	Recipient identification Supplier's UNB receiver ID	M	AN	1/35
	0007	Partner identification code qualifier Supplier's UNB receiver ID qualifier	C	AN	1/4
	0014	Routing Address Routing address of supplier – if applicable	C	AN	1/14
UNB040	S004	DATE/TIME OF PREPARATION	M	Comp	
	0017	Date of preparation Date when the EDI translator generated the ORDERS message. Date format = yymmdd	M	N	6/6
	0019	Time of preparation Time when the EDI translator generated the ORDERS message. Time format = hhnn	M	N	4/4
UNB050	0020	INTERCHANGE CONTROL REFERENCE <i>Sanmina sequentially generated UNB control number.</i>	M	AN	1/14
UNB070	0026	APPLICATION REFERENCE	C	AN	1/14
UNB110	0035	TEST INDICATOR Indication that the interchange is a test. Set to 1 if the interchange is a test. Otherwise not used.	C	N	1

Segment Example:

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UNB+UNOA:1+SupplierID:SupplierQualifier:SupplierRouting Address+
SANMINACORP:01+190207:0935+1++DELFOR'
```

UNH	MESSAGE HEADER	Group: N/A	Max: 1
		Mandatory	Elements: 2

To head, identify and specify a message.

Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>
UNH010	0062	MESSAGE REFERENCE NUMBER <i>Sanmina sequentially generated message control number.</i> Must match the UNT020 control number.	M	AN	1/14
UNH020	S009	MESSAGE IDENTIFIER	M	Comp	
	0065	Message type identifier <u>Code</u> <u>Name</u> DELFOR Delivery Schedule Message	M	AN	1/6
	0052	Message type version number <u>Code</u> <u>Name</u> D Draft	M	AN	1/3
	0054	Message type release number <u>Code</u> <u>Name</u> 97A Release 97A	M	AN	1/3
	0051	Controlling agency <u>Code</u> <u>Name</u> UN UN/ECE/TRADE/WP.4, United Nations Standard Messages (UNSM)	M	AN	1/2

Segment Example:

UNH+1+DELFOR:D:97A:UN'

BGM	BEGINNING OF MESSAGE	Group: N/A	Max: 1
		Mandatory	Elements: 3

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

Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>
BGM010	C002	DOCUMENT/MESSAGE NAME	C	Comp	
	1001	Document/message name, coded <u>Code</u> <u>Name</u> 241 Delivery schedule	C	AN	1/3
BGM020	C106	DOCUMENT/MESSAGE IDENTIFICATION	C	Comp	
	1004	Document/message number Sanmina DELFOR reference number Note: Supplier must return the value sent by Sanmina in Sanmina's outbound DELFOR BGM020-1004 field.	C	AN	1/35
BGM030	1225	MESSAGE FUNCTION, CODED <u>Code</u> <u>Name</u> 11 Response	C	AN	1/3

Segment Example:

BGM+241+E55ABCE5520190206221834567+11 '

DTM	DATE/TIME/PERIOD	Group: N/A	Max: 1
		Mandatory	Elements: 1

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

Sanmina provides this segment for supplier to provide the date the document was created by the supplier.

Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>
DTM010	C507	DATE/TIME/PERIOD	M	Comp	
	2005	Date/time/period qualifier <u>Code</u> <u>Name</u> 137 Document/message date/time	M	AN	1/3
	2380	Date/time/period Message Date	C	AN	1/35
	2379	Date/time/period format qualifier Format of the DTM010:2380 date <u>Code</u> <u>Name</u> 102 CCYYMMDD	C	AN	1/3

Segment Example:

DTM+137:20190207:102'

Segment Group 2

Group: Group 2 Max: 2
Mandatory Elements: N/A

Segment Summary:

<u>Tag</u>	<u>Segment Name</u>	<u>Status</u>	<u>Max. Repetition</u>
NAD	NAME AND ADDRESS	Mandatory	1
	Segment Group 4	Optional	1

NAD	NAME AND ADDRESS	Group: Group 2	Max: 1
		Mandatory	Elements: 2

To specify the name/address and their related function.

Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>
NAD010	3035	Party Qualifier <u>Code</u> <u>Name</u> SE Seller	M	AN	1/3
NAD020	C082	PARTY IDENTIFICATION DETAILS	C	Comp	
	3039	Party id. identification Unique code assigned to a specific address. Note: Supplier must return the value sent by Sanmina in Sanmina's outbound DELFOR NAD020 field for the Seller address.	M	AN	1/35
	1131	Code list qualifier	N	AN	1/3
	3055	Code list responsible agency, coded <u>Code</u> <u>Name</u> 92 Assigned by Buyer or Buyer's agent	C	AN	1/3

Segment Example:

NAD+SE+E55ABC::92'

Segment Group 6	Group: Group 6	Max: 10
	Mandatory	Elements: N/A

Segment Summary:

Tag	Segment Name	Status	Max. Repetitions
GIS	GENERAL INDICATOR	Mandatory	1
	Segment Group 7	Mandatory	1

GIS	GENERAL INDICATOR	Group: Group 6	Max: 1
		Mandatory	Elements: 1

A segment indicating that the delivery point scheduling method is used.

Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>
GIS010	C529	PROCESSING INDICATOR	M	Comp	
	7365	Processing indicator, coded <u>Code</u> ZZZ	M	AN	1/3
		<u>Name</u> Delivery point driven scheduling method			

Segment Example:

GIS+ZZZ'

Segment Group 12

Group: Group 12

Max: 9999

Mandatory

Elements: N/A

Segment Summary:

<u>Tag</u>	<u>Segment Name</u>	<u>Status</u>	<u>Max. Repetitions</u>
LIN	LINE ITEM	Mandatory	1
PIA	ADDITIONAL PRODUCT ID	Optional	1
	Segment Group 15	Mandatory	1
	Segment Group 17	Mandatory	999

LIN	LINE ITEM	Group: Group 12	Max: 1
		Mandatory	Elements: 2

To identify a line item and configuration.

Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>				
LIN010	1082	Line item number Number given to the line with in the message. The first line within a message will be numbered 1 and further line items will be incremented by 1 for each new line.	C	AN	1/6				
LIN030	C212	ITEM NUMBER IDENTIFICATION	C	Comp					
	7140	Item number Sanmina's orderable part number. Note: Supplier must return the part number sent by SANM in SANM's outbound DELFOR LIN030-7140 field.	M	AN	1/35				
	7143	Item number type, coded <table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>BP</td> <td>Buyer's part number</td> </tr> </table>	<u>Code</u>	<u>Name</u>	BP	Buyer's part number	C	AN	1/3
<u>Code</u>	<u>Name</u>								
BP	Buyer's part number								
	1131	Code list qualifier	N	AN	1/3				
	3055	Code list responsible agency, coded <table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>92</td> <td>Assigned by Buyer or Buyer's agent</td> </tr> </table>	<u>Code</u>	<u>Name</u>	92	Assigned by Buyer or Buyer's agent	C	AN	1/3
<u>Code</u>	<u>Name</u>								
92	Assigned by Buyer or Buyer's agent								

Segment Example:

LIN+1++IADCVDS02/BD914:BP::92'

PIA	ADDITIONAL PRODUCT ID	Group: Group 12	Max: 1
		Optional	Elements: 2

To specify additional item identification codes.

Sanmina provides this segment for suppliers to provide their part number.

Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>
PIA010	4347	PRODUCT ID. FUNCTION QUALIFIER <u>Code</u> <u>Name</u> 1 Additional identification	M	AN	1/3
PIA020	C212	ITEM NUMBER IDENTIFICATION	M	Comp	
	7140	Item number Supplier's part number	C	AN	1/35
	7143	Item number type, coded <u>Code</u> <u>Name</u> VP Vendor's (Seller's) part number	C	AN	1/3
	1131	Code list qualifier	N	AN	1/3
	3055	Code list responsible agency, coded <u>Code</u> <u>Name</u> 91 Assigned by Seller or Seller's agent	C	AN	1/3

Segment Example:

PIA+1+MMBD914LT1:VP::91'

Segment Group 15

Group: Group 15

Max: 1

Mandatory

Elements: N/A

Segment Summary:

<u>Tag</u>	<u>Segment Name</u>	<u>Status</u>	<u>Max. Repetitions</u>
QTY	QUANTITY	Mandatory	1

QTY	QUANTITY	Group: Group 15	Max: 1
		Mandatory	Elements: 1

To specify a pertinent quantity.

Sanmina uses this segment to summarize the total quantity for all of the schedules in the line item.

Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>
QTY010	C186	QUANTITY DETAILS	M	Comp	
	6063	Quantity qualifier <u>Code</u> <u>Name</u> 3 Cumulative Quantity	M	AN	1/3
	6060	Quantity Total line item quantity	M	N	1/15
	6411	Measure unit qualifier Unit of measure for the quantity in QTY010:6060 <u>Code</u> <u>Name</u> PCE Pieces	C	AN	1/3

Segment Example:

QTY+3:3500:PCE'

Segment Group 17

Group: Group 17 Max: 999
Mandatory Elements: N/A

Segment Summary:

<u>Tag</u>	<u>Segment Name</u>	<u>Status</u>	<u>Max. Repetitions</u>
SCC	SCHEDULING CONDITIONS	Mandatory	1
	Segment Group 18	Mandatory	1

SCC	SCHEDULING CONDITIONS	Group: Group 17	Max: 1
		Mandatory	Elements: 1

To specify scheduling conditions.

Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>				
SCC010	4017	DELIVERY PLAN STATUS INDICATOR, CODED	M	AN	1/3				
		<table border="0"> <tr> <td style="text-align: center;"><u>Code</u></td> <td style="text-align: center;"><u>Name</u></td> </tr> <tr> <td style="text-align: center;">4</td> <td style="text-align: center;">Planning/forecast</td> </tr> </table>	<u>Code</u>	<u>Name</u>	4	Planning/forecast			
<u>Code</u>	<u>Name</u>								
4	Planning/forecast								

Segment Example:

SCC+4'

Segment Group 18

Group: Group 18

Max: 1

Mandatory

Elements: N/A

Segment Summary:

Tag	Segment Name	Status	Max. Repetition(s)
QTY	QUANTITY	Mandatory	1
DTM	DATE/TIME/PERIOD	Mandatory	2

Notes:

- 1) Sanmina requests Suppliers return confirmations for each of the first 13 weeks of the forecast, including weeks with zero forecast. Beyond 13 weeks, confirmations can be returned only for weeks with a planned quantity.
- 2) Suppliers should not include forecast response for firmed schedules received in the DELFOR document. A firm schedule, marked with a '1' in the DELFOR SCC record, should only be responded to in Supplier's ORDRSP document.

QTY	QUANTITY	Group: Group 18	Max: 1
		Mandatory	Elements: 1

To specify a pertinent quantity.

Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>
QTY010	C186	QUANTITY DETAILS	M	Comp	
	6063	Quantity qualifier <u>Code</u> <u>Name</u> 66 Committed quantity	M	AN	1/3
	6060	Quantity Number of parts	M	N	1/15
	6411	Measure unit qualifier <u>Code</u> <u>Name</u> PCE Piece(s)	M	AN	1/3

Segment Example:

QTY+66:3000:PCE'

DTM	DATE/TIME/PERIOD	Group: Group 18	Max: 2
		Mandatory	Elements: 1

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

Sanmina uses this segment for suppliers to provide the week start date for a weekly bucketed quantity.

Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>
DTM010	C507	DATE/TIME/PERIOD	M	Comp	
	2005	Date/time/period qualifier <u>Code</u> <u>Name</u> 158 Horizon start date	M	AN	1/3
	2380	Date/time/period Qualified date	C	AN	1/35
	2379	Date/time/period format qualifier <u>Code</u> <u>Name</u> 102 CCYYMMDD	C	AN	1/3

Segment Example:

DTM+158:20190207:102'

UNT	MESSAGE TRAILER	Group: N/A	Max: 1
		Mandatory	Elements: 2

To end and check the completeness of a message.

Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>
UNT010	0074	NUMBER OF SEGMENTS IN A MESSAGE Generated automatically, this is the count of the number of segments in the message (including UNH through UNT segments)	M	N	1/6
UNT020	0062	MESSAGE REFERENCE NUMBER Must match the UNH control number.	M	AN	1/14

Segment Example:

UNT+22+3687'

UNZ	INTERCHANGE TRAILER	Group: N/A	Max: 1
		Mandatory	Elements: 2

To end and check the completeness of an interchange.

Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>
UNZ010	0036	INTERCHANGE CONTROL COUNT This is the number of messages (i.e. UNH segments) in the current envelope.	M	N	1/6
UNZ020	0020	INTERCHANGE CONTROL REFERENCE Must match the ICN from the UNB segment at the start of the envelope.	M	AN	1/14

Segment Example:

UNZ+1+482'

APPENDIX A – Example of Response Forecast

```
UNH+1+DELFOR:D:97A:UN'  
BGM+241+E55ABCE5520190206221834567+11' - return from Sanmina's outbound DELFOR BGM020-1004 field.  
DTM+137:20190207:102'  
NAD+SE+E55ABC::92'- return the value sent by Sanmina in Sanmina's outbound DELFOR NAD020 field.  
GIS+ZZZ'  
LIN+1++ABC000123:BP::92' - return from DELFOR LIN030-7140 field  
PIA+1+ABCD1234:VP::91'  
QTY+3:3500:PCE'  
SCC+4'  
QTY+66:500:PCE'  
DTM+158:20190818:102'  
SCC+4'  
QTY+66:0:PCE'  
DTM+158:20190825:102'  
SCC+4'  
QTY+66:500:PCE'  
DTM+158:20190901:102'  
SCC+4'  
QTY+66:500:PCE'  
DTM+158:20190908:102'  
SCC+4'  
QTY+66:0:PCE'  
DTM+39:20190915:102'  
SCC+4'  
QTY+66:500:PCE'  
DTM+158:20190922:102'  
SCC+4'  
QTY+66:0:PCE'  
DTM+158:20190929:102'  
SCC+4'  
QTY+66:0:PCE'  
DTM+158:20191006:102'  
SCC+4'  
QTY+66:0:PCE'  
DTM+158:20191013:102'  
SCC+4'  
QTY+66:0:PCE'  
DTM+158:20191020:102'  
SCC+4'  
QTY+66:0:PCE'  
DTM+158:20191027:102'  
SCC+4'  
QTY+66:500:PCE'  
DTM+66:20191103:102'  
SCC+4'  
QTY+66:500:PCE'  
DTM+158:20111124:102'  
SCC+4'  
QTY+66:500:PCE'  
DTM+158:20191222:102'  
UNT+54+1'
```

Notes:

1) Sanmina requests Suppliers return confirmations for each of the first 13 weeks of the forecast, including weeks with zero forecast. Beyond 13 weeks, confirmations can be returned only for weeks with a planned quantity.

2) Suppliers should not include forecast response for firmed schedules received in the DELFOR document. A firm schedule, marked with a '1' in the DELFOR SCC record, should only be responded to in Supplier's ORDRSP document.