



SANMINA-SCI

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**EDI INBOUND DELFOR
RESPONSE MESSAGE**

VERSION: EDIFICE D97A

Author:	SANMINA-SCI EDI Group
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



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.

Header:

<u>Tag</u>	<u>Segment Name</u>	<u>Comments</u>
UNB	INTERCHANGE HEADER	Standard EDIFACT interchange header
UNH	MESSAGE HEADER	Standard EDIFACT message header
BGM	BEGINNING OF MESSAGE	Coded definition & identification of message function
DTM	DATE/TIME/PERIOD	Message timestamp

Segment Group 2

NAD	NAME AND ADDRESS	Identification of buying & selling parties
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Segment Group 4

Detail:

<u>Tag</u>	<u>Segment Name</u>	<u>Comments</u>
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Segment Group 6

GIS	GENERAL INDICATOR	Indication that delivery point scheduling is used
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Segment Group 12

LIN	LINE ITEM	Line reference no. & Sanmina-SCI part number
PIA	ADDITIONAL PRODUCT ID	Vendor part number

Segment Group 15

QTY	QUANTITY	Cumulative quantity of the all scheduled quantities in the line
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Segment Group 17

SCC	SCHEDULING CONDITIONS	Liability commitment of the buyer to this schedule
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Segment Group 18

QTY	QUANTITY	Scheduled quantity
DTM	DATE/TIME/PERIOD	Date associated with the schedule

Segment Group 19

RFF	REFERENCE	Reference information for scheduled quantity
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Trailer:

<u>Tag</u>	<u>Segment Name</u>	<u>Comments</u>
UNT	MESSAGE TRAILER	Standard EDIFACT message ending
UNZ	INTERCHANGE TRAILER	Standard EDIFACT interchange trailer



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	M	A	4/4
		<u>Code</u> UNOA		<u>Name</u> UN/ECE level A	
	0002	Syntax version number	M	N	1/1
		<u>Code</u> 1		<u>Name</u> Version 1	
UNB020	S002	INTERCHANGE SENDER	M	Comp	
	0004	Sender identification		AN	1/35
		<i>Sanmina-SCI's mailbox details are:</i>			
		<i>Production:-</i>	SANMINACORP		
		<i>Test:-</i>	SANMINACORT		
	0007	Partner identification code qualifier	C	AN	1/4
		<i>Sanmina-SCI's qualifier details are:</i>			
		<i>Production:-</i>	01		
		<i>Test:-</i>	ZZ		
	0008	Address for reverse routine	N		
UNB030	S003	INTERCHANGE RECIPIENT	M	Comp	
	0010	Recipient identification	M	AN	1/35
		Supplier's UNB receiver ID			
	0007	Partner identification code qualifier	C	AN	1/4
		Supplier's UNB receiver ID qualifier			
	0014	Routing Address	C	AN	1/14
		Routing address of supplier – if applicable			
UNB040	S004	DATE/TIME OF PREPARATION	M	Comp	
	0017	Date of preparation	M	N	6/6
		Date when the EDI translator generated the ORDERS message.			
		Date format = yymmdd			



SANMINA - SCI

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>
		Date is always in CDT for COPICS plants and EST for Oracle plants.			
	0019	Time of preparation Time when the EDI translator generated the ORDERS message. Time format = hhnn Date is always in CDT for COPICS plants and EST for Oracle plants	M	N	4/4
UNB050	0020	INTERCHANGE CONTROL REFERENCE Sanmina-SCI sequentially generated UNB control number.	M	AN	1/14
UNB060	S005	RECIPIENT'S REFERENCE PASSWORD	N	Comp	
UNB070	0026	APPLICATION REFERNCE	C	AN	1/14
UNB080	0029	PROCESSING PRIORITY CODE	N		
UNB090	0031	ACKNOWLEDGEMENT REQUEST	N		
UNB100	0032	COMMUNICATIONS AGREEMENT ID	N		
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:

*UNB+UNOA:1+SupplierID:SupplierQualifier:SupplierRouting Address+
SANMINACORP:01+080811:0935+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 Sanmina-SCI sequentially generated message control number. Must match the UNT020 control number.	M	AN	1/14
UNH020	S009	MESSAGE IDENTIFIER	M	Comp	
	0065	Message type identifier	M	AN	1/6
		<u>Code</u> <u>Name</u> DELFOR Delivery Schedule Message			
	0052	Message type version number	M	AN	1/3
		<u>Code</u> <u>Name</u> D Draft			
	0054	Message type release number	M	AN	1/3
		<u>Code</u> <u>Name</u> 97A Release 97A			
	0051	Controlling agency	M	AN	1/2
		<u>Code</u> <u>Name</u> UN UN/ECE/TRADE/WP.4, United Nations Standard Messages (UNSM)			

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	C	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;">241</td> <td style="text-align: center;">Delivery schedule</td> </tr> </table>	<u>Code</u>	<u>Name</u>	241	Delivery schedule			
<u>Code</u>	<u>Name</u>								
241	Delivery schedule								
BGM020	C106	DOCUMENT/MESSAGE IDENTIFICATION	C	Comp					
	1004	Document/message number Sanmina-SCI DELFOR reference number	C	AN	1/35				
		Note: Supplier must return the value sent by SANM in SANM's outbound DELFOR BM020-1004 field.							
BGM030	1225	MESSAGE FUNCTION, CODED	C	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;">11</td> <td style="text-align: center;">Response</td> </tr> </table>	<u>Code</u>	<u>Name</u>	11	Response			
<u>Code</u>	<u>Name</u>								
11	Response								

Segment Example:

BGM+241+030129002924+11'



DTM DATE/TIME/PERIOD

Group: N/A	Max: 1
Mandatory	Elements: 1

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

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	M	AN	1/3				
		<table border="0"> <tr> <td style="padding-right: 20px;"><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>137</td> <td>Document/message date/time</td> </tr> </table>	<u>Code</u>	<u>Name</u>	137	Document/message date/time			
<u>Code</u>	<u>Name</u>								
137	Document/message date/time								
	2380	Date/time/period Message Date	C	AN	1/35				
	2379	Date/time/period format qualifier Format of the DTM010:2380 date	C	AN	1/3				
		<table border="0"> <tr> <td style="padding-right: 20px;"><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>102</td> <td>CCYYMMDD</td> </tr> </table>	<u>Code</u>	<u>Name</u>	102	CCYYMMDD			
<u>Code</u>	<u>Name</u>								
102	CCYYMMDD								

Segment Example:

DTM+137:20080811:102'



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

Segment Example:

NAD+SE+ E55ABC::92'



Segment Group 6

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

Segment Summary:

<u>Tag</u>	<u>Segment Name</u>	<u>Status</u>	<u>Max. Repetitions</u>
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	M	AN	1/3
		<u>Code</u> ZZZ		<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 1 st 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-SCI'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	C	AN	1/3
		<u>Code</u> BP		<u>Name</u> Buyer's part number	
	1131	Code list qualifier	N	AN	1/3
	3055	Code list responsible agency, coded	C	AN	1/3
		<u>Code</u> 92		<u>Name</u> 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.

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	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;">1</td> <td style="text-align: center;">Additional identification</td> </tr> </table>	<u>Code</u>	<u>Name</u>	1	Additional identification			
<u>Code</u>	<u>Name</u>								
1	Additional identification								
PIA020	C212	ITEM NUMBER IDENTIFICATION	M	Comp					
	7140	Item number Supplier's part number	C	AN	1/35				
	7143	Item number type, coded	C	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;">VP</td> <td style="text-align: center;">Vendor's (seller's) part number</td> </tr> </table>	<u>Code</u>	<u>Name</u>	VP	Vendor's (seller's) part number			
<u>Code</u>	<u>Name</u>								
VP	Vendor's (seller's) part number								
	1131	Code list qualifier	N	AN	1/3				
	3055	Code list responsible agency, coded	C	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;">91</td> <td style="text-align: center;">Assigned by seller or seller's agent</td> </tr> </table>	<u>Code</u>	<u>Name</u>	91	Assigned by seller or seller's agent			
<u>Code</u>	<u>Name</u>								
91	Assigned by seller or seller's agent								

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-SCI use this segment to summarize the total quantity for each 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	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;">3</td> <td style="text-align: center;">Cumulative Quantity</td> </tr> </table>	<u>Code</u>	<u>Name</u>	3	Cumulative Quantity			
<u>Code</u>	<u>Name</u>								
3	Cumulative Quantity								
	6060	Quantity Total line item quantity	M	N	1/15				
	6411	Measure unit qualifier Unit of measure for the quantity in QTY010:6060	C	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;">PCE</td> <td style="text-align: center;">Pieces</td> </tr> </table>	<u>Code</u>	<u>Name</u>	PCE	Pieces			
<u>Code</u>	<u>Name</u>								
PCE	Pieces								

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

<u>Code</u>	<u>Name</u>
1	Firm
4	Planning/forecast

Segment Example:

SCC+4'



Segment Group 18

Group: Group 18	Max: 1
Mandatory	Elements: N/A

Segment Summary:

<u>Tag</u>	<u>Segment Name</u>	<u>Status</u>	<u>Max. Repetition(s)</u>
QTY	QUANTITY	Mandatory	1
DTM	DATE/TIME/PERIOD	Mandatory	2
	Segment Group 19	Conditional	1

Note:

Sanmina-SCI 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.



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	M	AN	1/3
		<u>Code</u> 66		<u>Name</u> Committed quantity	
	6060	Quantity Number of parts	M	N	1/15
	6411	Measure unit qualifier	M	AN	1/3
		<u>Code</u> PCE		<u>Name</u> Piece(s)	

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.

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	M	AN	1/3
		<u>Code</u>		<u>Name</u>	
		67		Delivery date, promised (use for firm quantities only)	
		158		Horizon start date	
	2380	Date/time/period Qualified date	C	AN	1/35
	2379	Date/time/period format qualifier	C	AN	1/3
		<u>Code</u>		<u>Name</u>	
		102		CCYYMMDD	

Segment Example:

DTM+67:20080811:102'
DTM+158:20080818:102'



Segment Group 19

Group: Group 19	Max: 1
Conditional	Elements: N/A

Segment Summary:

<u>Tag</u>	<u>Segment Name</u>	<u>Status</u>	<u>Max. Repetition(s)</u>
RFF	REFERENCE	Mandatory	1



RFF REFERENCE

Group: Group 19	Max: 1
Mandatory	Elements: 1

To specify a pertinent quantity. Only used for schedules with firm demand.

Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>
RFF010	C506	REFERENCE	M	Comp	
	1153	Reference qualifier	M	AN	1/3
		<u>Code</u> ON		<u>Name</u> Purchase Order Number	
	1154	Reference number PO number against which firm demand should be called-off and invoiced against.	M	N	1/35

Segment Example:

RFF+ON:B5512345678'



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+2134+11'
DTM+137:20080811:102'
NAD+SE+E55ABC::92'
GIS+ZZZ'
LIN+1++ABC000123:BP::92'
PIA+1+ABCD1234:VP::91'
QTY+3:3500:PCE'
SCC+1'
QTY+66:500:PCE'
DTM+67:20080811:102'
RFF+ON:B5512345678'
SCC+4'
QTY+66:500:PCE'
DTM+158:20080818:102'
SCC+4'
QTY+66:0:PCE'
DTM+158:20080825:102'
SCC+4'
QTY+66:500:PCE'
DTM+158:20080901:102'
SCC+4'
QTY+66:0:PCE'
DTM+158:20080908:102'
SCC+4'
QTY+66:0:PCE'
DTM+39:20080915:102'
SCC+4'
QTY+131:500:PCE'
DTM+158:20080922:102'
SCC+4'
QTY+131:0:PCE'
DTM+158:20080929:102'
SCC+4'
QTY+131:0:PCE'
DTM+158:20081006:102'
SCC+4'
QTY+131:0:PCE'
DTM+158:20081013:102'
SCC+4'
QTY+131:0:PCE'
DTM+158:20081020:102'
SCC+4'
QTY+131:0:PCE'
DTM+158:20081027:102'
SCC+4'
QTY+131:500:PCE'
DTM+158:20081103:102'
SCC+4'
QTY+131:500:PCE'
DTM+158:20081124:102'
SCC+4'
QTY+131:500:PCE'
DTM+158:20081222:102'
UNT+54+1'