

UNH+1+DELFOR:D:97A:UN'
BGM+241::BB+35+5'
DTM+137:199705051830:203'
DTM+158:19970505:102'
DTM+159:19970818:102'
NAD+MI+160943056::16'
NAD+SU+987654321::16'
GIS+37'
NAD+ST+603289984::16'
LIN++21070024:IN'
PIA+1+4:GB+7:RY'
QTY+207:0000100.00'
SCC+4++W:12'
QTY+1:0'
DTM+158:19970505:102'
SCC+4++W:12'
QTY+1:132'
DTM+158:19970512:102'
SCC+4++W:12'
QTY+1:132'
DTM+158:19970519:102'
SCC+4++W:12'
QTY+1:0'
DTM+158:19970526:102'
SCC+4++W:12'
QTY+1:132'
DTM+158:19970602:102'
SCC+4++W:12'
QTY+1:132'
DTM+158:19970609:102'
SCC+4++W:12'
QTY+1:132'
DTM+158:19970616:102'
SCC+4++W:12'
QTY+1:132'
DTM+158:19970623:102'
SCC+4++W:12'
QTY+1:132'
DTM+158:19970630:102'
SCC+4++W:12'
QTY+1:132'
DTM+158:19970707:102'
SCC+4++W:12'
QTY+1:132'
DTM+158:19970714:102'
SCC+4++W:12'
QTY+1:0'
DTM+158:19970721:102'
SCC+4++F:13'
QTY+1:528'
DTM+158:19970728:102'
DTM+159:19970818:102'
UNT+49+1'



EDI FACT

DELFOR

Guidelines





Saturn Corporation

EDIFACT DELFOR DELIVERY SCHEDULE GUIDELINES

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PURPOSE

This Implementation Guideline details Saturn's intended use of the DELFOR Delivery Schedule Message. Saturn will use the EDIFACT DELFOR message standards as a planning document to convey information calculated from the anticipated vehicle build schedule. The purpose is to communicate to Saturn suppliers the anticipated need for parts and material.

APPLICATION

The following UN/EDIFACT DELFOR Delivery Schedule Message is a Saturn developed subset of the GM EDIFACT DELFOR Delivery Schedule Message.

STRUCTURE OF THE GM / Saturn IMPLEMENTATION GUIDELINE

The Saturn DELFOR Guideline appearing on the following pages, includes the EDIFACT Segment Clarification, the DELFOR (Delivery Schedule Message), Data Segments and various examples of the Saturn DELFOR. The DELFOR (Delivery Schedule Message) is a summary of the entire EDIFACT Message. In the left column, Saturn has identified when/if each Segment Group/ Segment is used. Each segment is defined as "Must Use", "Not Used", or a blank denotes that the segment may be used.

The next portion of the document, the Data Segments, outlines each data element, its usage, and coded definition. Saturn will use the following symbols in the left column:

- | | |
|---------|--|
| >> | Saturn will transmit data in this segment. |
| X | Saturn will not transmit data in this segment. |
| (blank) | Saturn may transmit data in this segment. |

The Attributes column, located on the right side of the Segment information, provides the EDIFACT element size. Saturn plans to conform to the EDIFACT field parameters.

USE OF EDIFACT AND ISO DATA ELEMENT DICTIONARIES

There is one exception to the statement in the gray notes fields throughout this document that reads, "Saturn may send any code listed in the Data Dictionary". Saturn will not send codes Z, ZZ or ZZZ (described as mutually defined) because they are not specific and cannot be applied to all Saturn applications.

VERSION

The DELFOR Delivery Schedule Message has been developed based on version 97A of the EDIFACT Standard.

RESPONSIBILITY

This document was developed by Saturn Corporation in compliance with the General Motors Material Management EDIFACT Guideline Development group. This document has the approval of the GM Electronic Commerce Business Process Team (ECBPT) and has been distributed to all Saturn suppliers.

SEGMENT CLARIFICATION

UNH Message Header

A service segment starting and uniquely identifying a message. The message type code for the Delivery schedule message is DELFOR.

Note: Delivery schedule messages conforming to this document will contain the following data in segment UNH, composite S009:

Data element	0065 DELFOR	0052 D	0054 97A	0051 UN
--------------	-------------	--------	----------	---------

BGM Beginning of Message

A segment for unique identification of the Delivery schedule message by means of its name and its number and its function (original).

DTM Date/Time/Period

A segment used to identify the Delivery schedule message date. This segment will also be included to indicate the beginning and the end date of the schedule.

Segment Group 2: NAD-SG2

A group of segments identifying parties by their names, addresses, locations, references and contacts relevant to the whole delivery schedule.

NAD Name and Address

A segment for identifying names and addresses and their functions relevant for the whole Delivery schedule. The principal parties for the Delivery schedule message shall be identified. The identification of the recipient of the goods will be given in the NAD segment, located in the detail section.

Segment Group 6: GIS-SG6

A group of segments providing details on delivery points, products and related information using one of both scheduling methods (as described in 1.3 Principles).

GIS General Indicator

A segment to indicate which method is used by the relevant processing indicator code.

Segment Group 7: NAD-SG7-

A group of segments needed to identify a delivery point and its attached information when the delivery point method is used.

NAD Name and Address

A segment for identifying the consignee.

Segment Group 12: LIN-PIA-SG12

A group of segments providing details of the individual line items for both methods.

LIN Line Item

A 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.

PIA Additional Product Id

A segment providing additional product identification.

Segment Group 15: QTY-SG15

A group of segments specifying product quantities and associated dates not related to schedules and where relevant, references.

QTY Quantity

A segment to specify pertinent quantities not related to schedule(s).

Segment Group 17: SCC-SG17

A group of segments specifying the forecast information for the product identified in the LIN segment. With the product driven method, this segment group is used to summarize all forecasts.

SCC Scheduling Conditions

A segment specifying the status of the schedule. Optionally a forecast pattern will be established, e.g. firm.

Segment Group 18: QTY-DTM-SG18-SG19

A group of segments specifying product quantities and associated dates.

QTY Quantity

A segment to specify scheduled quantities which may be related to schedule(s) and, or pattern established in the following DTM segment, e.g. forecasted quantity for a specified date.

DTM Date/Time/Period

A segment indicating date/time/period details relating to the given quantity.

UNT Message Trailer

A service segment ending a message, giving the total number of segments in the message and the control reference number of the message.

DELFOR EXAMPLE (SATURN)

UNH+1+DELFOR:D:97A:UN'	Message header
BGM+241::BB+35+5'	Message identifier and function
DTM+137:199705051830:203'	Transaction creation date
DTM+158:19970505:102'	Horizon start date
DTM+159:19971028:102'	Horizon end date

NAD+MI+160943056::16'	Material Issuer DUNS number
NAD+SU+987654321::16'	Schedule To DUNS number

Segment Group 6

GIS+37'	New loop created for each part number
NAD+ST+603289984::16'	Ship To DUNS number

Segment Group 12

LIN+++21070024:IN'	Part Number
PIA+1+4:GB+1997:RY'	Part release status code and record keeping year
QTY+207:0000100.00'	Labour hours (total order cycle hours)

Segment Group 17

SCC+4++W:12'	First weekly forecast loop - Monday through Sunday
QTY+1:0'	Quantity
DTM+158:19970505:102'	Monday date
SCC+4++W:12'	Second weekly forecast loop- Monday through Sunday
QTY+1:132'	Quantity
DTM+158:19970512:102'	Monday date
SCC+4++W:12'	Third weekly forecast loop- Monday through Sunday
QTY+1:132'	Quantity
DTM+158:19970519:102'	Monday date
SCC+4++W:12'	Fourth weekly forecast- Monday through Sunday
QTY+1:0'	Quantity
DTM+158:19970526:102'	Monday date
SCC+4++W:12'	Fifth weekly forecast- Monday through Sunday
QTY+1:132'	Quantity
DTM+158:19970602:102'	Monday date
SCC+4++W:12'	Sixth weekly forecast- Monday through Sunday
QTY+1:132'	Quantity
DTM+158:19970609:102'	Monday Date
SCC+4++W:12'	Seventh weekly forecast- Monday through Sunday
QTY+1:132'	Quantity
DTM+158:19970616:102'	Monday date
SCC+4++W:12'	Eighth weekly forecast- Monday through Sunday
QTY+1:132'	Quantity
DTM+158:19970623:102'	Monday date
SCC+4++W:12'	Ninth weekly forecast- Monday through Sunday
QTY+1:132'	Quantity
DTM+158:19970630:102'	Monday date
SCC+4++W:12'	Tenth weekly forecast- Monday through Sunday
QTY+1:132'	Quantity
DTM+158:19970707:102'	Monday date
SCC+4++W:12'	Eleventh weekly forecast- Monday through Sunday
QTY+1:132'	Quantity
DTM+158:19970714:102'	Monday date
SCC+4++W:12'	Twelfth weekly forecast- Monday through Sunday
QTY+1:0'	Quantity
DTM+158:19970721:102'	Monday date

UNT+49+1'	Message Trailer
-----------	-----------------

DELFOR EXAMPLE (SATURN)

Saturn Service will send a cumulative planning quantity in addition to the 12 week forecast.

Segment Group 17

SCC+4++F:13'	Service parts flexible forecast (week 13 and beyond)- Monday
QTY+1:528'	Cumulative planning quantity
DTM+158:19970728:102'	Flexible horizon start date (week 13)
DTM+159:19971028:102'	Flexible horizon end date (up to week 52)
UNT+53+1'	Message trailer

DELFOR Delivery Schedule Message

Introduction:

WARNING! This version of the DELFOR is not upward compatible with versions prior to D96B.

The DELFOR is a message which is sent from a party who is planning the use or consumption of products to a party who has to plan for the supply of the products. The message gives the requirements regarding details of medium to long term scheduling for products. Saturn will use the DELFOR as a planning forecast that contains information calculated from the anticipated vehicle build schedule. The purpose of the DELFOR is to communicate to Saturn suppliers, the anticipated need for parts and material.

	<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.Use</u>	<u>Group</u> <u>Repeat</u>	<u>Notes and</u> <u>Comments</u>
Must Use	0010	UNH	Message Header	M	1		
Must Use	0020	BGM	Beginning of Message	M	1		
Must Use	0030	DTM	Date/Time/Period	M	10		
Not Used	0040	FTX	Free Text	C	5		
Not Used	0050		Segment Group 1: RFF-DTM	C		10	
Not Used	0060	RFF	Reference	M	1		
Not Used	0070	DTM	Date/Time/Period	C	1		
Must Use	0080		Segment Group 2: NAD-SG3-SG4	C		99	
Must Use	0090	NAD	Name and Address	M	1		
Not Used	0100		Segment Group 3: RFF-DTM	C		10	
Not Used	0110	RFF	Reference	M	1		
Not Used	0120	DTM	Date/Time/Period	C	1		
Not Used	0130		Segment Group 4: CTA-COM	C		5	
Not Used	0140	CTA	Contact Information	M	1		
Not Used	0150	COM	Communication Contact	C	5		
Not Used	0160		Segment Group 5: TDT-DTM	C		10	
Not Used	0170	TDT	Details of Transport	M	1		
Not Used	0180	DTM	Date/Time/Period	C	5		
Must Use	0190		Segment Group 6: GIS-SG7-SG12	C		9999	
Must Use	0200	GIS	General Indicator	M	1		
Must Use	0210		Segment Group 7: NAD-LOC-FTX-SG8-SG9-SG10-SG11	C		1	
Must Use	0220	NAD	Name and Address	M	1		
Not Used	0230	LOC	Place/Location Identification	C	10		
Not Used	0240	FTX	Free Text	C	5		
Not Used	0250		Segment Group 8: RFF-DTM	C		10	
Not Used	0260	RFF	Reference	M	1		
Not Used	0270	DTM	Date/Time/Period	C	1		
Not Used	0280		Segment Group 9: DOC-DTM	C		10	
Not Used	0290	DOC	Document/Message Details	M	1		
Not Used	0300	DTM	Date/Time/Period	C	10		
Not Used	0310		Segment Group 10: CTA-COM	C		5	
Not Used	0320	CTA	Contact Information	M	1		
Not Used	0330	COM	Communication Contact	C	5		

Not Used	0340		Segment Group 11: TDT-DTM	C	10
Not Used	0350	TDT	Details of Transport	M	1
Not Used	0360	DTM	Date/Time/Period	C	5
Must Use	0370		Segment Group 12: LIN-PIA-IMD-MEA-ALI-GIN-GIR-LOC-DT M-FTX-SG13-SG14-SG15-SG17-SG20-SG22	C	9999
Must Use	0380	LIN	Line Item	M	1
	0390	PIA	Additional Product Id	C	10
Not Used	0400	IMD	Item Description	C	10
Not Used	0410	MEA	Measurements	C	5
Not Used	0420	ALI	Additional Information	C	5
Not Used	0430	GIN	Goods Identity Number	C	999
Not Used	0440	GIR	Related Identification Numbers	C	999
Not Used	0450	LOC	Place/Location Identification	C	999
Not Used	0460	DTM	Date/Time/Period	C	5
Not Used	0470	FTX	Free Text	C	5
Not Used	0480		Segment Group 13: RFF-DTM	C	10
Not Used	0490	RFF	Reference	M	1
Not Used	0500	DTM	Date/Time/Period	C	1
Not Used	0510		Segment Group 14: TDT-DTM	C	10
Not Used	0520	TDT	Details of Transport	M	1
Not Used	0530	DTM	Date/Time/Period	C	5
	0540		Segment Group 15: QTY-DTM-SG16	C	10
Must Use	0550	QTY	Quantity	M	1
Not Used	0560	DTM	Date/Time/Period	C	2
Not Used	0570		Segment Group 16: RFF-DTM	C	10
Not Used	0580	RFF	Reference	M	1
Not Used	0590	DTM	Date/Time/Period	C	1
	0600		Segment Group 17: SCC-SG18	C	999
Must Use	0610	SCC	Scheduling Conditions	M	1
	0620		Segment Group 18: QTY-DTM-SG19	C	999
Must Use	0630	QTY	Quantity	M	1
	0640	DTM	Date/Time/Period	C	2
Not Used	0650		Segment Group 19: RFF-DTM	C	10
Not Used	0660	RFF	Reference	M	1
Not Used	0670	DTM	Date/Time/Period	C	1
Not Used	0680		Segment Group 20: PAC-MEA-QTY-DTM-SG21	C	99
Not Used	0690	PAC	Package	M	1
Not Used	0700	MEA	Measurements	C	10
Not Used	0710	QTY	Quantity	C	5
Not Used	0720	DTM	Date/Time/Period	C	5
Not Used	0730		Segment Group 21: PCI-GIN	C	10
Not Used	0740	PCI	Package Identification	M	1
Not Used	0750	GIN	Goods Identity Number	C	10

Not Used	0760		Segment Group 22: NAD-LOC-FTX-SG23-SG24-SG25-SG27-SG30	C	999
Not Used	0770	NAD	Name and Address	M	1
Not Used	0780	LOC	Place/Location Identification	C	10
Not Used	0790	FTX	Free Text	C	5
Not Used	0800		Segment Group 23: DOC-DTM	C	10
Not Used	0810	DOC	Document/Message Details	M	1
Not Used	0820	DTM	Date/Time/Period	C	1
Not Used	0830		Segment Group 24: CTA-COM	C	5
Not Used	0840	CTA	Contact Information	M	1
Not Used	0850	COM	Communication Contact	C	5
Not Used	0860		Segment Group 25: QTY-DTM-SG26	C	10
Not Used	0870	QTY	Quantity	M	1
Not Used	0880	DTM	Date/Time/Period	C	2
Not Used	0890		Segment Group 26: RFF-DTM	C	10
Not Used	0900	RFF	Reference	M	1
Not Used	0910	DTM	Date/Time/Period	C	1
Not Used	0920		Segment Group 27: SCC-SG28	M	999
Not Used	0930	SCC	Scheduling Conditions	M	1
Not Used	0940		Segment Group 28: QTY-DTM-SG29	M	999
Not Used	0950	QTY	Quantity	M	1
Not Used	0960	DTM	Date/Time/Period	C	2
Not Used	0970		Segment Group 29: RFF-DTM	C	10
Not Used	0980	RFF	Reference	M	1
Not Used	0990	DTM	Date/Time/Period	C	1
Not Used	1000		Segment Group 30: TDT-DTM	C	10
Not Used	1010	TDT	Details of Transport	M	1
Not Used	1020	DTM	Date/Time/Period	C	5
Must Use	1030	UNT	Message Trailer	M	1

Segment: UNH Message Header
Position: 0010
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: A service segment starting and uniquely identifying a message. The message type code for the Delivery schedule message is DELFOR.
 Note: Delivery schedule messages conforming to this document will contain the following data in segment UNH, composite S009:
 Data element 0065 DELFOR 0052 D 0054 97A
 0051 UN

Syntax Notes:

Semantic Notes:

Comments:

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

Data Element Summary

	Data Element	Component Element	Name	Attributes
>>	0062		MESSAGE REFERENCE NUMBER Unique message reference assigned by the sender. Must match the message reference number in the UNT.	M an..14
>>	S009		MESSAGE IDENTIFIER Identification of the type, version etc. of the message being interchanged.	M
>>		0065	Message type identifier Code identifying a type of message and assigned by its controlling agency. DELFOR Delivery schedule message A code to identify the delivery schedule message.	M an..6
>>		0052	Message type version number Version number of a message type. D Draft version/UN/EDIFACT Directory Message approved and issued as a draft message (Valid for directories published after March 1993 and prior to March 1997). Message approved as a standard message (Valid for directories published after March 1997).	M an..3
>>		0054	Message type release number Release number within the current message type version number (0052). 97A Release 1997 - A Message approved and issued in the first 1997 release of the UNTDID (United Nations Trade Data Interchange Directory).	M an..3
>>		0051	Controlling agency Code identifying the agency controlling the specification, maintenance and publication of the message type. UN UN/ECE/TRADE/WP.4 United Nations Economic UN Economic Commission for Europe (UN/ECE), Committee on the development of trade (TRADE), Working Party on facilitation of international trade procedures (WP.4).	M an..2
X		0057	Association assigned code Code, assigned by the association responsible for the design and maintenance of the message type concerned, which further identifies the message.	C an..6

X	0068	COMMON ACCESS REFERENCE	C an..35
		Reference serving as a key to relate all subsequent transfers of data to the same business case or file.	
X	S010	STATUS OF THE TRANSFER	C
		Statement that the message is one in a sequence of transfers relating to the same topic.	
X	0070	Sequence message transfer number	M n..2
		Number assigned by the sender indicating that the message is an addition or change of a previously sent message relating to the same topic.	
X	0073	First/last sequence message transfer indication	C a1
		Indication used for the first and last message in a sequence of the same type of message relating to the same topic.	
		Refer to D.97A Data Element Dictionary for acceptable code values.	

Segment:	BGM Beginning of Message
Position:	0020
Group:	
Level:	0
Usage:	Mandatory
Max Use:	1
Purpose:	A segment for unique identification of the Delivery schedule message by means of its name and its number and its function (original).
Syntax Notes:	
Semantic Notes:	
Comments:	
Notes:	BGM+241:::BB+35+5'

Data Element Summary			
	<u>Data Element</u>	<u>Component Element</u> <u>Name</u>	<u>Attributes</u>
>>	C002	DOCUMENT/MESSAGE NAME	C
		Identification of a type of document/message by code or name. Code preferred.	
>>		1001 Document/message name, coded	C an..3
		Document/message identifier expressed in code.	
		241 Delivery schedule	
		Usage of DELFOR-message.	
X		1131 Code list qualifier	C an..3
		Identification of a code list.	
		Refer to D.97A Data Element Dictionary for acceptable code values.	
X		3055 Code list responsible agency, coded	C an..3
		Code identifying the agency responsible for a code list.	
		Refer to D.97A Data Element Dictionary for acceptable code values.	
>>		1000 Document/message name	C an..35
		Plain language identifier specifying the function of a document/message.	
		Saturn will send the following:	
		BB - Customer Production (Consumption Based) .	
>>	C106	DOCUMENT/MESSAGE IDENTIFICATION	C
		Identification of a document/message by its number and eventually its version or revision.	
>>		1004 Document/message number	C an..35
		Reference number assigned to the document/message by the issuer.	
		Saturn reference number. The reference number is a two digit sequential number, beginning with 01. This number is reset at calendar year end.	
X		1056 Version	C an..9
		To specify the version number or name of an object.	
X		1060 Revision number	C an..6
		To specify a revision number.	
>>	1225	MESSAGE FUNCTION, CODED	C an..3
		Code indicating the function of the message.	
		The requirements established in this message supersede any previously established requirements which fall within the horizons of this message.	
		5 Replace	
		Message replacing a previous message.	

X

4343

RESPONSE TYPE, CODED

C an..3

Code specifying the type of acknowledgment required or transmitted.
Refer to D.97A Data Element Dictionary for acceptable code values.

Segment: **DTM** Date/Time/Period
Position: 0030
Group:
Level: 1
Usage: Mandatory
Max Use: 10
Purpose: The DTM segment shall be specified at least once to identify the Delivery schedule message date. This segment will be included to indicate the beginning and the end date of the schedule.

Syntax Notes:

Semantic Notes:

Comments:

Notes:

Saturn will send 3 iterations of the DTM in this segment group.

- 1) To specify the transaction set issue date;
- 2) To specify horizon beginning and/or ending periods.

EXAMPLE:

DTM+137:199705051830:203'
 DTM+158:19970505:102'
 DTM+159:19970818:102'

Data Element Summary

	Data Element	Component Element	Name	Attributes
>>	C507		DATE/TIME/PERIOD	M
			Date and/or time, or period relevant to the specified date/time/period type.	
>>		2005	Date/time/period qualifier	M an..3
			Code giving specific meaning to a date, time or period.	
		137	Document/message date/time (2006) Date/time when a document/message is issued. This may include authentication. To be used with the Date/time/period format qualifier (element 2379) code 203. One iteration is mandatory. (Saturn run date).	
		158	Horizon start date The first date of a period forming a horizon. To be used with the forecast Date/time/period format qualifier (element 2379) code 102. (Monday pub date).	
		159	Horizon end date The last date of a period forming a horizon. To be used with the forecast Date/time/period format qualifier (element 2379) code 102. (Monday pub date for the final week schedule).	
>>		2380	Date/time/period	C an..35
			The value of a date, a date and time, a time or of a period in a specified representation.	

>>

2379 Date/time/period format qualifier C an..3

Specification of the representation of a date, a date and time or of a period.

102

CCYYMMDD

Calendar date: C = Century ; Y = Year ; M = Month ; D = Day.

203

CCYYMMDDHHMM

Calendar date including time with minutes: C=Century; Y=Year; M=Month; D=Day; H=Hour; M=Minutes.

Group: **NAD** Segment Group 2: Name and Address
Position: 0080
Group:
Level: 1
Usage: Conditional (Required)
Max Use: 99
Purpose: A group of segments identifying parties by their names, addresses, locations, references and contacts relevant to the whole delivery schedule.

Segment Summary						
	Pos.	Seg.		Req.	Max.	Group:
	<u>No.</u>	<u>ID</u>	<u>Name</u>	<u>Des.</u>	<u>Use</u>	<u>Repeat</u>
Must Use	0090	NAD	Name and Address	M	1	

Segment: **NAD** Name and Address
Position: 0090 (Trigger Segment)
Group: Segment Group 2 (Name and Address) Conditional (Required)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment for identifying names and addresses and their functions relevant for the whole Delivery schedule. The principal parties for the Delivery schedule message shall be identified. The identification of the recipient of the goods will be given in the NAD segment in the detail section.

Syntax Notes:

Semantic Notes:

Comments:

Notes: Saturn will send 2 NAD loops.

NAD+MI+160943056::16'

NAD+SU+987654321::16'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	3035		PARTY QUALIFIER Code giving specific meaning to a party.	M an..3
		MI	Planning schedule/material release issuer	
		SU	Supplier (3280) Party which manufactures or otherwise has possession of goods, and consigns or makes them available in trade.	
>>	C082		PARTY IDENTIFICATION DETAILS Identification of a transaction party by code.	C
>>		3039	Party id. identification Code identifying a party involved in a transaction.	M an..35
			Duns number.	
X		1131	Code list qualifier Identification of a code list. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..3
>>		3055	Code list responsible agency, coded Code identifying the agency responsible for a code list.	C an..3
		16	DUNS (Dun & Bradstreet)	
X	C058		NAME AND ADDRESS Unstructured name and address: one to five lines.	C
X		3124	Name and address line Free form name and address description.	C an..35
X		3124	Name and address line Free form name and address description.	C an..35
X		3124	Name and address line Free form name and address description.	C an..35
X		3124	Name and address line Free form name and address description.	C an..35

X		3124	Name and address line	C	an..35
			Free form name and address description.		
X	C080		PARTY NAME	C	
			Identification of a transaction party by name, one to five lines. Party name may be formatted.		
X		3036	Party name	C	an..35
			Name of a party involved in a transaction.		
X		3036	Party name	C	an..35
			Name of a party involved in a transaction.		
X		3036	Party name	C	an..35
			Name of a party involved in a transaction.		
X		3036	Party name	C	an..35
			Name of a party involved in a transaction.		
X		3036	Party name	C	an..35
			Name of a party involved in a transaction.		
X		3045	Party name format, coded	C	an..3
			Specification of the representation of a party name.		
			Refer to D.97A Data Element Dictionary for acceptable code values.		
X	C059		STREET	C	
			Street address and/or PO Box number in a structured address: one to three lines.		
X		3042	Street and number/p.o. box	C	an..35
			Street and number in plain language, or Post Office Box No.		
X		3042	Street and number/p.o. box	C	an..35
			Street and number in plain language, or Post Office Box No.		
X		3042	Street and number/p.o. box	C	an..35
			Street and number in plain language, or Post Office Box No.		
X		3042	Street and number/p.o. box	C	an..35
			Street and number in plain language, or Post Office Box No.		
X	3164		CITY NAME	C	an..35
			Name of a city (a town, a village) for addressing purposes.		
X	3229		COUNTRY SUB-ENTITY IDENTIFICATION	C	an..9
			Identification of the name of sub-entities (state, province) defined by appropriate governmental agencies.		
X	3251		POSTCODE IDENTIFICATION	C	an..9
			Code defining postal zones or addresses.		
X	3207		COUNTRY, CODED	C	an..3
			Identification of the name of a country or other geographical entity as specified in ISO 3166.		

Group: **GIS** Segment Group 6: General Indicator
Position: 0190
Group:
Level: 1
Usage: Conditional (Required)
Max Use: 9999
Purpose: A group of segments providing details on delivery points and products and related information using one of both scheduling methods (as described in 1.3 Principles).

Segment Summary				
	Pos. No.	Seg. ID	Name	Req. Des.
Must Use	0200	GIS	General Indicator	M
	0210		Segment Group 7: Name and Address	C
	0370		Segment Group 12: Line Item	C
				Max. Use
				Group: Repeat
				1
				9999

Segment: **GIS** General Indicator
Position: 0200 (Trigger Segment)
Group: Segment Group 6 (General Indicator) Conditional (Required)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment to indicate which method is used by the relevant processing indicator code.

Syntax Notes:

Semantic Notes:

Comments:

Notes: GIS+37'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	C529		PROCESSING INDICATOR	M
			Type of process indication.	
>>		7365	Processing indicator, coded	M an..3
			Identifies the value to be attributed to indicators required by the processing system.	
		37	Complete information	
			Processing of information to note that complete data details (not just changes) are transmitted.	
X		1131	Code list qualifier	C an..3
			Identification of a code list.	
			Refer to D.97A Data Element Dictionary for acceptable code values.	
X		3055	Code list responsible agency, coded	C an..3
			Code identifying the agency responsible for a code list.	
			Refer to D.97A Data Element Dictionary for acceptable code values.	
X		7187	Process type identification	C an..17
			Specification of a process or sub-process.	
			Refer to D.97A Data Element Dictionary for acceptable code values.	

Group: **NAD** Segment Group 7: Name and Address
Position: 0210
Group: Segment Group 6 (General Indicator) Conditional (Required)
Level: 2
Usage: Conditional (Required)
Max Use: 1
Purpose: A group of segments needed to identify a delivery point and its attached information when the delivery point method is used.

Segment Summary						
	Pos.	Seg.		Req.	Max.	Group:
	<u>No.</u>	<u>ID</u>	<u>Name</u>	<u>Des.</u>	<u>Use</u>	<u>Repeat</u>
Must Use	0220	NAD	Name and Address	M	1	

Segment: **NAD** Name and Address
Position: 0220 (Trigger Segment)
Group: Segment Group 7 (Name and Address) Conditional (Required)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment for identifying the consignee.
Syntax Notes:
Semantic Notes:
Comments:
Notes: NAD+ST+603289984::16'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	3035		PARTY QUALIFIER Code giving specific meaning to a party. ST Ship to Identification of the party to where goods will be or have been shipped. This will be the DESTINATION code.	M an..3
>>	C082		PARTY IDENTIFICATION DETAILS Identification of a transaction party by code.	C
>>		3039	Party id. identification Code identifying a party involved in a transaction. Duns number	M an..35
X		1131	Code list qualifier Identification of a code list. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..3
>>		3055	Code list responsible agency, coded Code identifying the agency responsible for a code list. 16 DUNS (Dun & Bradstreet)	C an..3
X	C058		NAME AND ADDRESS Unstructured name and address: one to five lines.	C
X		3124	Name and address line Free form name and address description.	C an..35
X		3124	Name and address line Free form name and address description.	C an..35
X		3124	Name and address line Free form name and address description.	C an..35
X		3124	Name and address line Free form name and address description.	C an..35
X		3124	Name and address line Free form name and address description.	C an..35
X	C080		PARTY NAME Identification of a transaction party by name, one to five lines. Party name may be formatted.	C
X		3036	Party name Name of a party involved in a transaction.	C an..35
X		3036	Party name Name of a party involved in a transaction.	C an..35
X		3036	Party name Name of a party involved in a transaction.	C an..35

X		3036	Party name	C	an..35
			Name of a party involved in a transaction.		
X		3036	Party name	C	an..35
			Name of a party involved in a transaction.		
X		3045	Party name format, coded	C	an..3
			Specification of the representation of a party name.		
			Refer to D.97A Data Element Dictionary for acceptable code values.		
X	C059		STREET	C	
			Street address and/or PO Box number in a structured address: one to three lines.		
X		3042	Street and number/p.o. box	M	an..35
			Street and number in plain language, or Post Office Box No.		
X		3042	Street and number/p.o. box	C	an..35
			Street and number in plain language, or Post Office Box No.		
X		3042	Street and number/p.o. box	C	an..35
			Street and number in plain language, or Post Office Box No.		
X		3042	Street and number/p.o. box	C	an..35
			Street and number in plain language, or Post Office Box No.		
X	3164		CITY NAME	C	an..35
			Name of a city (a town, a village) for addressing purposes.		
X	3229		COUNTRY SUB-ENTITY IDENTIFICATION	C	an..9
			Identification of the name of sub-entities (state, province) defined by appropriate governmental agencies.		
X	3251		POSTCODE IDENTIFICATION	C	an..9
			Code defining postal zones or addresses.		
X	3207		COUNTRY, CODED	C	an..3
			Identification of the name of a country or other geographical entity as specified in ISO 3166.		

Group: **LIN** Segment Group 12: Line Item
Position: 0370
Group: Segment Group 6 (General Indicator) Conditional (Required)
Level: 2
Usage: Conditional (Required)
Max Use: 9999
Purpose: A group of segments providing details of the individual line items for both methods.

Segment Summary						
	Pos. <u>No.</u>	Seg. <u>ID</u>	<u>Name</u>	Req. <u>Des.</u>	Max. <u>Use</u>	Group: <u>Repeat</u>
Must Use	0380	LIN	Line Item	M	1	
	0390	PIA	Additional Product Id	C	10	
	0540		Segment Group 15: Quantity	C		10
	0600		Segment Group 17: Scheduling Conditions	C		999

Segment: **LIN** Line Item
Position: 0380 (Trigger Segment)
Group: Segment Group 12 (Line Item) Conditional (Required)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A 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.

Syntax Notes:

Semantic Notes:

Comments:

Notes: LIN+++21070024:IN'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
X	1082		LINE ITEM NUMBER Serial number designating each separate item within a series of articles.	C an..6
X	1229		ACTION REQUEST/NOTIFICATION, CODED Code specifying the action to be taken or already taken. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..3
>>	C212		ITEM NUMBER IDENTIFICATION Goods identification for a specified source.	C
>>		7140	Item number A number allocated to a group or item.	C an..35
>>		7143	Item number type, coded Identification of the type of item number. IN Buyer's item number Saturn will use code IN to indicate the buyer's part number.	C an..3
X		1131	Code list qualifier Identification of a code list. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..3
X		3055	Code list responsible agency, coded Code identifying the agency responsible for a code list. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..3
X	C829		SUB-LINE INFORMATION To provide an indication that a segment or segment group is used to contain sub-line or sub-line item information and to optionally enable the sub-line to be identified.	C
X		5495	Sub-line indicator, coded Indication that the segment and/or segment group is used for sub-line item information. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..3
X		1082	Line item number Serial number designating each separate item within a series of articles.	C an..6
X	1222		CONFIGURATION LEVEL Number indicating the level of an object which is in a hierarchy.	C n..2
X	7083		CONFIGURATION, CODED Code indicating the status of the sub-line item in the configuration. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..3

Segment: **PIA** **Additional Product Id**
Position: 0390
Group: Segment Group 12 (Line Item) Conditional (Required)
Level: 3
Usage: Conditional (Optional)
Max Use: 10
Purpose: A segment providing additional product identification.
Syntax Notes:
Semantic Notes:
Comments:
Notes:

The PIA is used for addition product information.

PIA+1+4:GB+1997:RY'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	4347		PRODUCT ID. FUNCTION QUALIFIER Indication of the function of the product code. 1 Additional identification Information which specifies and qualifies product identifications.	M an..3
>>	C212		ITEM NUMBER IDENTIFICATION Goods identification for a specified source.	M
>>		7140	Item number A number allocated to a group or item. This segment will be used to convey Saturn's Part Release Status. This is a value identifying the status of the specific part number being released. Saturn has the capability of sending the following values. These values are based on AIAG element #682 - version 2003. 4 - Part is carryover item from the previous model year. 5 - Part is a new item for the subsequent model year. 8 - Planning quantity is final model year requirement, the part is non-carryover item for the subsequent model year. 9 - Final forecast for this cancelled part.	C an..35
>>		7143	Item number type, coded Identification of the type of item number. GB Buyer's internal product group code Product group code used within a buyer's internal systems.	C an..3
X		1131	Code list qualifier Identification of a code list. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..3
X		3055	Code list responsible agency, coded Code identifying the agency responsible for a code list. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..3

>>	C212	ITEM NUMBER IDENTIFICATION	C	
		Goods identification for a specified source.		
>>	7140	Item number	C	an..35
		A number allocated to a group or item.		
		Saturn will send the calendar / record keeping year in this field.		
>>	7143	Item number type, coded	C	an..3
		Identification of the type of item number.		
		RY Record keeping of model year		
X	1131	Code list qualifier	C	an..3
		Identification of a code list.		
		Refer to D.97A Data Element Dictionary for acceptable code values.		
X	3055	Code list responsible agency, coded	C	an..3
		Code identifying the agency responsible for a code list.		
		Refer to D.97A Data Element Dictionary for acceptable code values.		
X	C212	ITEM NUMBER IDENTIFICATION	C	
		Goods identification for a specified source.		
X	7140	Item number	C	an..35
		A number allocated to a group or item.		
X	7143	Item number type, coded	C	an..3
		Identification of the type of item number.		
		Refer to D.97A Data Element Dictionary for acceptable code values.		
X	1131	Code list qualifier	C	an..3
		Identification of a code list.		
		Refer to D.97A Data Element Dictionary for acceptable code values.		
X	3055	Code list responsible agency, coded	C	an..3
		Code identifying the agency responsible for a code list.		
		Refer to D.97A Data Element Dictionary for acceptable code values.		
X	C212	ITEM NUMBER IDENTIFICATION	C	
		Goods identification for a specified source.		
X	7140	Item number	C	an..35
		A number allocated to a group or item.		
X	7143	Item number type, coded	C	an..3
		Identification of the type of item number.		
		Refer to D.97A Data Element Dictionary for acceptable code values.		
X	1131	Code list qualifier	C	an..3
		Identification of a code list.		
		Refer to D.97A Data Element Dictionary for acceptable code values.		
X	3055	Code list responsible agency, coded	C	an..3
		Code identifying the agency responsible for a code list.		
		Refer to D.97A Data Element Dictionary for acceptable code values.		
X	C212	ITEM NUMBER IDENTIFICATION	C	
		Goods identification for a specified source.		
X	7140	Item number	C	an..35
		A number allocated to a group or item.		
X	7143	Item number type, coded	C	an..3
		Identification of the type of item number.		
		Refer to D.97A Data Element Dictionary for acceptable code values.		

X	1131	Code list qualifier	C an..3
		Identification of a code list.	
		Refer to D.97A Data Element Dictionary for acceptable code values.	
X	3055	Code list responsible agency, coded	C an..3
		Code identifying the agency responsible for a code list.	
		Refer to D.97A Data Element Dictionary for acceptable code values.	

Group: **QTY** Segment Group 15: Quantity
Position: 0540
Group: Segment Group 12 (Line Item) Conditional (Required)
Level: 3
Usage: Conditional (Optional)
Max Use: 10
Purpose: A group of segments specifying product quantities and associated dates not related to schedules and where relevant, references.

Segment Summary						
	Pos.	Seg.		Req.	Max.	Group:
	<u>No.</u>	<u>ID</u>	<u>Name</u>	<u>Des.</u>	<u>Use</u>	<u>Repeat</u>
Must Use	0550	QTY	Quantity	M	1	

Segment: **QTY** Quantity
Position: 0550 (Trigger Segment)
Group: Segment Group 15 (Quantity) Conditional (Optional)
Level: 3
Usage: Mandatory
Max Use: 1
Purpose: A segment to specify pertinent quantities not related to schedule(s).
Syntax Notes:
Semantic Notes:
Comments:
Notes: QTY+207:0000100.00'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	C186		QUANTITY DETAILS	M
			Quantity information in a transaction, qualified when relevant.	
>>		6063	Quantity qualifier	M an..3
			Code giving specific meaning to a quantity.	
		207	Labour hours	
			Number of labour hours.	
			Code 207 is used to indicate the LABOUR HOURS which is defined as the number of working hours in the total order cycle. It is derived from:	
			The number of safety hours	
			+ signal delay hours	
			+ supplier response hours	
			+ dock schedule delay hours	
			+ transit time hours	
			+ other (conveyance) delay hours	
			+ maximum in-process hours	

			= Total Labour Hours (Total Order Cycle)	
>>		6060	Quantity	M n..15
			Numeric value of a quantity.	
X		6411	Measure unit qualifier	C an..3
			Indication of the unit of measurement in which weight (mass), capacity, length, area, volume or other quantity is expressed.	

Group:	SCC	Segment Group 17: Scheduling Conditions
Position:	0600	
Group:	Segment Group 12 (Line Item)	Conditional (Required)
Level:	3	
Usage:	Conditional (Optional)	
Max Use:	999	
Purpose:	A group of segments specifying the schedule information for the product identified in the LIN segment. With the product driven method, this segment group can be used to summarize all forecasts.	

Segment Summary

	Pos. <u>No.</u>	Seg. <u>ID</u>	<u>Name</u>	Req. <u>Des.</u>	Max. <u>Use</u>	Group: <u>Repeat</u>
Must Use	0610	SCC	Scheduling Conditions	M	1	
	0620		Segment Group 18: Quantity	C		999

Segment: **SCC** Scheduling Conditions
Position: 0610 (Trigger Segment)
Group: Segment Group 17 (Scheduling Conditions) Conditional (Optional)
Level: 3
Usage: Mandatory
Max Use: 1
Purpose: A segment specifying the status of the schedule.

Syntax Notes:

Semantic Notes:

Comments:

Notes: SCC+4++W:12'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	4017		DELIVERY PLAN STATUS INDICATOR, CODED Code indicating the level of commitment of schedule information. 4 Planning/forecast	M an..3
X	4493		DELIVERY REQUIREMENTS, CODED Indication of general instruction for delivery. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..3
>>	C329		PATTERN DESCRIPTION Shipment, delivery or production interval pattern and timing.	C
>>		2013	Frequency, coded Code specifying interval grouping of the delivery, production, etc. of the schedule. F Flexible interval (from date X through date Y) Code defining a forecasted usage that is planned between two defined dates. Saturn will provide the (SSPO) Service planning quantity beyond week 12. It will not be used for Manufacturing/Assembly planning. The flexible forecast schedule will appear as a numeric value.	C an..3
			W Weekly Code defining a forecast for weekly intervals. Saturn will transmit a 'W' to indicate a weekly forecast, Monday through Sunday.	
>>		2015	Despatch pattern, coded Code specifying the days/periods for routine shipments or deliveries. 12 Monday through Sunday	C an..3
X		2017	Despatch pattern timing, coded Code specifying the detailed times for routine shipments or deliveries within data element 2015 Despatch pattern, coded. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..3

Group: **QTY** Segment Group 18: Quantity
Position: 0620
Group: Segment Group 17 (Scheduling Conditions) Conditional (Optional)
Level: 4
Usage: Conditional (Optional)
Max Use: 999
Purpose: A group of segments specifying product quantities and associated dates.

Segment Summary						
	Pos.	Seg.		Req.	Max.	Group:
	<u>No.</u>	<u>ID</u>	<u>Name</u>	<u>Des.</u>	<u>Use</u>	<u>Repeat</u>
Must Use	0630	QTY	Quantity	M	1	
	0640	DTM	Date/Time/Period	C	2	

Segment: **QTY** Quantity
Position: 0630 (Trigger Segment)
Group: Segment Group 18 (Quantity) Conditional (Optional)
Level: 4
Usage: Mandatory
Max Use: 1
Purpose: A segment to specify scheduled quantities which may be related to schedule(s) and, or pattern established in the following DTM segment, e.g. forecast quantity for a specified date.

Syntax Notes:

Semantic Notes:

Comments:

Notes: QTY+1:132'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	C186		QUANTITY DETAILS Quantity information in a transaction, qualified when relevant.	M
>>		6063	Quantity qualifier Code giving specific meaning to a quantity. 1 Discrete quantity Saturn will transmit a '1' to indicate that actual discrete quantities are indicated in the QTY segment. Note: Manufacturing and Assembly requirements are combined and based on consumption off the end of the assembly line. These requirements are not rounded to standard pack. Saturn Service requirements are rounded to standard pack.	M an..3
>>		6060	Quantity Numeric value of a quantity.	M n..15
		6411	Measure unit qualifier Indication of the unit of measurement in which weight (mass), capacity, length, area, volume or other quantity is expressed. Saturn will not transmit a unit of measure. Please reference your Saturn contract for an appropriate unit of measure.	C an..3

Segment: **DTM** Date/Time/Period
Position: 0640
Group: Segment Group 18 (Quantity) Conditional (Optional)
Level: 5
Usage: Conditional (Optional)
Max Use: 2
Purpose: A segment indicating date/time/period details relating to the given quantity.

Syntax Notes:
Semantic Notes:
Comments:
Notes:

This DTM segment coincides with the Weekly ('W') forecast. Saturn Manufacturing and Assembly will send consecutive, weekly forecasts.

DTM+158:19970505:102'

Saturn Service will send a Flexible ('F') Forecast in week 13. These DTM segments indicate the beginning and ending of the Flexible Forecast period. Saturn Service may send non-consecutive forecast weeks ('W'), bypassing weeks with zero quantities.

DTM+158:19970728:102'

DTM+159:19971028:102'

Data Element Summary

	Data Element	Component Element	Name	Attributes
>>	C507		DATE/TIME/PERIOD	M
			Date and/or time, or period relevant to the specified date/time/period type.	
>>		2005	Date/time/period qualifier	M an..3
			Code giving specific meaning to a date, time or period.	
		158	Horizon start date	
			The first date of a period forming a horizon.	
			Saturn will send the beginning date of the specified interval. In this case, it will be the Monday date of the week for the planning quantity.	
		159	Horizon end date	
			The last date of a period forming a horizon.	
			Saturn will send the end date of the specified interval. In this case, it will be the Monday date of the last flexible planning week.	
>>		2380	Date/time/period	C an..35
			The value of a date, a date and time, a time or of a period in a specified representation.	
>>		2379	Date/time/period format qualifier	C an..3
			Specification of the representation of a date, a date and time or of a period.	
		102	CCYYMMDD	
			Calendar date: C = Century ; Y = Year ; M = Month ; D = Day.	

Segment: **UNT** Message Trailer
Position: 1030
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: A service segment ending a message, giving the total number of segments in the message and the control reference number of the message.
Syntax Notes:
Semantic Notes:
Comments:
Notes: UNT+53+1'

Data Element Summary

	<u>Data</u>	<u>Component</u>	
	<u>Element</u>	<u>Element</u> <u>Name</u>	<u>Attributes</u>
>>	0074	NUMBER OF SEGMENTS IN A MESSAGE Control count of number of segments in a message.	M n..6
>>	0062	MESSAGE REFERENCE NUMBER Unique message reference assigned by the sender. Must match the message reference number in the UNH.	M an..14