

DOLLAR GENERAL CORPORATION

Electronic Data Interchange

Transportation Carrier Shipment Status Message – 214 Carrier Mapping Guidelines

ANSI X12 Version 4010

Document Change Log

Version	Date	Description
3	10/16/02	Added status messages X1NS to AT7 segment
	1	

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1. INTRODUCTION

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This document aprovides the definition of a Shipment Status Message, based on the ANSI X12 version 004010, to be used in Electronic Data Interchange (EDI) between Dollar General and its carrier.

2. HOW TO READ THE DOCUMENTATION

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

B10 - BEGINNING OF MESSAGE

Ø A Dollar General status: Mandatory. Dollar General occurrences: 4 1 per message.

Θ Function: Segment for the unique identification of the shipment status message,

by means of its name and its number.

Θ Dollar General interchange: See remarks.

Example: B10*V9073271HS*FLT03261241M*WENP Α

0			ANSI X12 STANDARD DEFINITION		Doll	ar General IMPLEMENTATION		
8	REF	Element	NAME	ST	FT	ST	FT	REMARKS
ø	Α	B10 01	SEGMENT NAME Reference Identification	M M	an.	M M	an	Carrier's Invoice Number (PRO)
	В	02	Shipment ID (Bill of Lading)	M	an.	M	an	USER NOTE: This field will contain the Dollar General Corporation Master BOL. If trading the Motor Carrier Load Tender (204) with Dollar General Corporation, this field can be mapped from the B2-04 field of the 204
	С	03	Standard Carrier Alpha Code (SCAC)	М	an.	M	an	USER NOTE: If trading the Motor Carrier Load Tender (204) with Dollar General Corporation, this field can be mapped from the B2-02 field of the 204.
•	CO	MMENTS		•			•	

CODE VALUES

LEGEND

- 0 Segment position in the message structure, segment tag and segment name.
- Ø Identification (when applicable) of the segment group in which the segment is situated and indication at which level the segment is in the message.
- € Status of the segment: as defined by Dollar General.
- Number of occurrences of the segment: as defined by ANSI X12 and as used by Dollar 4 General.
- Description of the function of the segment as defined by ANSI X12 and as used by Dollar 6
- 0 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.
- Definition of the segment content as defined by ANSI X12 and as implemented by Dollar General.

- 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.

 Remarks on the specific use of the data element in the interchange with Dollar General.
 - Data elements Dollar General expects including description and notes on segment use.
 - 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 from Dollar General.

2.1 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 $\mathbf{H}\mathbf{H}\mathbf{M}\mathbf{M}$.

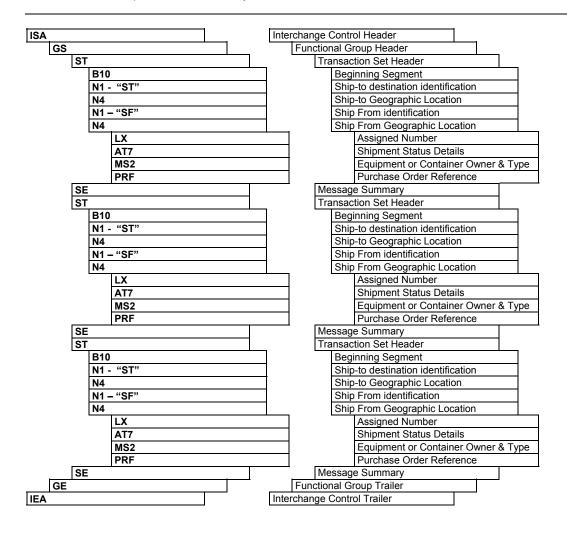
3. SEGMENT TABLE

The following table shows the segments defined for the ANSI X12 Version 004010 Shipment Status message as utilized in the 214 implementation at Dollar General. This table indicates the maximum number of occurrences for each segment.

200	T40	NAME	ОТ.	DEDEATO	110405
POS.	TAG	NAME	ST	REPEATS	USAGE
001	ISA	Interchange Control Header	M	1	Mandatory
002	GS	Functional Group Header	M	1	Mandatory
010	ST	Transaction Set Header	М	1	Mandatory
010	B10	Beginning Segment for Transportation Carrier	М	1	Mandatory
		Shipment Status Message			,
LOOP ID - 0100		•		2	
050	N1	Name	0	1	Mandatory
080	N4	Geographic Location	0	1	Optional
LOOP ID - 0200				1	
130	LX	Assigned Number	0	1	Mandatory
LOOP ID - 0205				1	
140	AT7	Shipment Status Detail	0	1	Mandatory
146	MS2	Equipment or Container Owner and Type	M	1	Optional
LOOP ID - 0230				999999	
320	PRF	Purchase Order Reference	0	1	Mandatory
610	SE	Transaction Set Trailer	М	1	Mandatan
610				!	Mandatory
611	GE	Functional Group Trailer	M	1	Mandatory
612	IEA	Interchange Control Trailer	M	1	Mandatory

3.1 MESSAGE STRUCTURE

The message structure illustrates how the segments will be repeated in the Shipment Status message to accommodate the requirements identified by Dollar General.



4. DATA SEGMENTS DESCRIPTION

This part includes only the segments defined in the standard and used in the subset exchanged between Dollar General and its Carriers. The segments are described in the same sequence as they appear in the message.

ISA - INTERCHANGE CONTROL HEADER

Level: Header Dollar General status: Mandatory

Dollar General occurrences: Maximum - 1 per message

Function: To start and identify an interchange of zero or more functional groups and

interchange-related control segments

Dollar General interchange: See remarks.

Example: ISA*00* *00* *02*SCAC *01*069331990INV *020204*1416*U*00401*000000005*0*T*:

A B C D E F G H I J K L M N O

	ANSI X12 STANDARD DEFINITION						ar General IMPLEMENTATION
REF		NAME	ST	FT	ST	FT	REMARKS
^	ISA 01	SEGMENT NAME Authorization Information Qualifier	M	ID 0	M	ID 2	"00"
A B	01	Authorization Information Qualifier Authorization Information	M M	ID 2 AN 10	M	AN 10	{Blank}
C	02	Security Information Qualifier	M	ID 2	M M	ID 2	(Dialik)
D	03 04	Security Information Qualifier	M	AN 10	M	AN 10	{Blank}
E	05	Interchange ID Qualifier (Sender)	M	ID 2	M	ID 2	USER NOTE:
_	05	miterchange ib Qualifier (Sender)	IVI	ID 2	IVI	10 2	Dollar General's qualifier is "01" in test and production. Carrier will use SCAC code with a qualifier of "02".
E	06	Interchange Sender ID	M	AN 15	М	AN 15	USER NOTE: Dollar General's Interchange Ids are as follows: Test = 069331990INV Production = 069331990T Carrier will use their SCAC code as Interchange ID.
F	07	Interchange ID Qualifier (Receiver)	M	ID 2	М	ID 2	USER NOTE: Dollar General's qualifier is "01" in test and production. Carrier will use SCAC code with a qualifier of "02".
G	08	Interchange Receiver ID	M	AN 15	М	AN 15	USER NOTE: Dollar General's Interchange Ids are as follows: Test = 069331990INV Production = 069331990T Carrier will use their SCAC code as Interchange ID.
Н	09	Interchange Date	М	DT 6	М	DT 6	
ï	10	Interchange Time	M	TM 4	M	TM 4	
j	11	Interchange Control Standards Identifier	М	ID 1	M	ID 1	"U"
K	12	Interchange Control Version Number	М	ID 5	М	ID 5	"00401"
L	13	Interchange Control Number	М	N0 9	М	N0 9	A control number assigned by the interchange sender
M	14	Acknowledgment Requested	М	ID 1	М	ID 1	"0"
Ν	15	Usage Indicator	М	ID 1	М	ID 1	"T" for Test; "P" for Production
0	16	Component Element Separator	М	1	М	1	
CO	<u>IMENTS</u>			•			·

GS - FUNCTIONAL GROUP HEADER

Level: Header Dollar General status: Mandatory

Dollar General occurrences:

Maximum - 1 per message
To transmit identifying numbers and other basic data relating to the transaction Function:

set

Dollar General interchange:

Example: GS*QM*SCAC*069331990INV*20020204*1416*5*X*004010 Α В С D E FG

		ANSI X12 STANDARD DEFINITION	N			Doll	ar General IMPLEMENTATION
REF	Element	NAME	ST	FT	ST	FT_	REMARKS
	GS	SEGMENT NAME	М		М		
Α	01	Functional Identifier Code	М	ID 2	M	ID 2	204 = "SM"
							990 = "GF"
-	00	A " " O I I O I		451.45		ANI 45	214 = "QM"
В	02	Application Sender's Code	М	AN 15	М	AN 15	USER NOTE:
							Dollar General's Application Codes are as follows:
							Test = 069331990INV
							Production = 069331990T
							Carrier will use their SCAC code as
							Interchange ID.
_							
С	03	Application Receiver Code	M	AN 15	М	AN 15	USER NOTE:
							Dollar General's Application Codes are as follows:
							Test = 069331990INV
							Production = 069331990T
							Carrier will use their SCAC code as
							Interchange ID.
D	04	Date	М	DT 8	М	DT 8	
E	05	Time	M	TM 8	M	TM 8	
F	06	Group Control Number	M	N0 9	M	N0 9	Assigned number originated and
		•					maintained by the sender
G	07	Responsible Agency Code	М	ID 2	М	ID 2	"X"
Н	80	Version / Release / Industry	М	AN 12	М	AN 12	"004010"
		Identifier Code		l		I	
CO	<u>MMENTS</u>						

B10 - BEGINNING SEGMENT FOR SHIPMENT STATUS MESSAGE

Level: Header Dollar General status:

Dollar General occurrences:

Mandatory
Maximum - 1 per message
To transmit identifying numbers and other basic data relating to the transaction Function:

set

Dollar General interchange:

Example: B10*0465329*ARD03241089M*SCAC Α В

		ANSI X12 STANDARD DEFINITIO	Dollar General IMPLEMENTATION				
REF	_Element_	NAME	$_{ m ST}_{ m }$	FT	ST	FT	REMARKS
A B	B10 01 02	SEGMENT NAME Reference Identification Shipment ID (Bill of Lading)	M M M	AN 22 AN 30	M M M	AN 22 AN 30	Carrier's Invoice Number (PRO) USER NOTE: This field will contain the Dollar General Corporation Master BOL. If trading the Motor Carrier Load Tender (204) with Dollar General Corporation, this field can be mapped from the B2-04 field of the 204.
С	03	Standard Carrier Alpha Code (SCAC)	М	AN 4	М	AN 4	USER NOTE: If trading the Motor Carrier Load Tender (204) with Dollar General Corporation, this field can be mapped from the B2-02 field of the 204.
<u> </u>	VIIVIEN I S						

N1 - NAME

Level: Header Dollar General status: Mandatory

Dollar General occurrences: Maximum - 2 per message

Function: To identify the party by type of organization, name and code

Dollar General interchange: For pick-up related messages, the N1 segment should contain the ship from

information. Pick-up related messages are:

Shipment Status Code

"AF" = Carrier Departed Pick-up Location with Shipment

Shipment Appointment Status Code

"AA" = Pick-up Appointment Date and/or Time

For delivery related messages, the N1 segment should contain the ship to

information. Delivery related messages are:

Shipment Status Code

"CD" = Carrier Departed Delivery Location

Shipment Appointment Status Code

"AB" = Delivery Appointment Date and/or Time

Example: N1*ST*Ardmore Distribution Cent*93*D6300 A B C D

		ANSI X12 STANDARD DEFINITION					ar General IMPLEMENTATION
REF	Element	NAME	ST	FT	ST	FT	REMARKS
A	N1 01	SEGMENT NAME Entity Identifier Code	M	AN 2	M	AN 2	"SF" = Ship From "ST" = Ship To USER NOTE: If the N1-03 is 92 the N1-01 will be SF. If trading the Motor Carrier Load Tender (204) with Dollar General Corporation, this field can be mapped from the N1-01 field of the 204.
В	02	Name	M	AN 35	М	AN 35	USER NOTE: If the N1-01 is SF the N1-02 will be the vendor's name. If the N1-01 is ST the N1-02 will be the Dollar General location name.
С	03	Identification Code Qualifier	М	AN 2	М	AN 2	"92" = Vendor Location ID "93" = Dollar General Location ID USER NOTE: If trading the Motor Carrier Load Tender (204) with Dollar General Corporation, this field can be mapped from the N1-03 field of the 204.
D	04	Identification Code	M	AN 17	M	AN 17	USER NOTE: If the N1-03 is 92, the N1-04 will be the vendor number. If the N1-03 is 93, the N1-04 will be the Dollar General location number. If trading the Motor Carrier Load Tender (204) with Dollar General Corporation, this field can be mapped from the N1-04 field of the 204.

If either N103 or N104 is present, then the other is required.

COMMENTS

N4 - GEOGRAPHIC LOCATION

Header Level: Dollar General status: Optional

Dollar General occurrences:

Maximum - 2 per message
To specify the geographic place of the named party
This segment is not required if the N1-04 is provided. Function: Dollar General interchange:

Example: N4*Ardmore*OK*73401

	ANSI X12 STANDARD DEFINITION						Dollar General IMPLEMENTATION			
REF	Element	NAME	ST	FT	ST	FT	REMARKS			
	N4	SEGMENT NAME	0		0					
Α	01	City	0	AN 30	0	AN 30				
В	02	State	0	AN 2	0	AN 2				
С	03	Zip Code	0	AN 9	0	AN 9				

Version: 1 - 04/19/04

COMMENTS

LX - ASSIGNED NUMBER

Header Dollar General status: Mandatory

Dollar General occurrences:

Maximum – 1 per message
To reference a line number in a transaction set Function:

Dollar General interchange:

Example:

		ANSI X12 STANDARD DEFINITIO	_	Dollar General IMPLEMENTATION			
REF	Element	NAME	ST	FT	ST	FT	REMARKS
A	LX 01	SEGMENT NAME Assigned Number (Load Number)	M	AN 6	M M	AN 6	USER NOTE: If trading the Motor Carrier Load Tender (204) with Dollar General Corporation, this field can be mapped from the S5-01 field of the 204.
CO	MMENTS			ı	.,	ı	'

AT7 – SHIPMENT STATUS DETAILS

Level: Header Dollar General status: Mandatory

Dollar General occurrences: Maximum - 1 per message

Function:

Dollar General interchange: If you need to communicate both a shipment status code and a shipment

appointment status code, it must be done in two separate AT7 segments, in

two separate 214 messages.

Example: AT7*AF*NS***20020201*0030*LT

A B CD E F C

Or

AT7***AA*NA*20020201*0800*LT AB C D E F G

		ANSI X12 STANDARD DEFINITION	Dollar General IMPLEMENTATION				
REF	_Element_	NAME	_ST_	FT	ST	FT _	REMARKS
	N4	SEGMENT NAME	М		M		
Α	01	Shipment Status Code	С	AN 2	С	AN 2	"AF" = Carrier Departed Pick-up Location with Shipment "X1" = Carrier Arrived at Delivery Location "CD" = Carrier Departed Delivery Location
В	02	Shipment Status or Appointment Reason Code	С	AN 2	С	AN 2	"NS" = Normal Status
С	03	Shipment Appointment Status Code	M	AN 2	M	AN 2	"AA" = Pick-up Appointment Date and/or Time "AB" = Delivery Appointment Date and/or Time
D	04	Shipment Status or Appointment Reason Code	М	AN 2	М	AN 2	"NA" = Normal Appointment
Ε	05	Date	М	AN 8	М	AN 8	
F	06	Time	М	AN 8	М	AN 8	
G	07	Time Code	М	AN 2	М	AN 2	"LT" = Local Time

COMMENTS

AT7-01 and AT7-03 are mutually exclusive. If you need to communicate both a shipment status code and a shipment appointment status code, it must be done in two separate AT7 segments. Only send LT – Local Time of the event or location. If AT7-01 is communicated then the AT7-02 must be communicated as well. If AT7-03 is communicated then the AT7-04 must be communicated as well. Dollar General Corporation is not requesting any messages other than Normal Appointment or Normal Status. Therefore, the AT7-02 should contain NS (Normal Status) or the AT7-04 should contain NA (Normal Appointment).

MS2 - EQUIPMENT OR CONTAINER OWNER AND TYPE

Level: Header Dollar General status: Optional

Dollar General occurrences: Maximum – 1 per message

Function: This segment should not be sent if the carrier's equipment number is unknown

(i.e. at time of the appointment).

Dollar General interchange: See Comments

Example: MS2*SCAC*0000000*CV

,,	_	0
INITION		

		ANSI X12 STANDARD DEFINITIO	Dollar General IMPLEMENTATION						
REF	Element	NAME	ST	FT	ST	FT	REMARKS		
	MS2	SEGMENT NAME	0		0				
Α	01	Standard Carrier Alpha Code (SCAC)	0	ID 4	0	ID 4			
В	02	Equipment Number	С	AN 10	С	AN 10			
С	03	Equipment Description Code	0	ID 2	0	ID 2			
<u>COMMENTS</u>									

This section should be used to specify the owner, the identification number assigned by that owner, and the type of equipment. **Dollar General Corporation only wishes to receive trailer information in this segment.**

This segment should not be sent if the carrier's equipment number is unknown (i.e. at time of the appointment).

PRF - PURCHASE ORDER REFERENCE

Level: Header
Dollar General status: Mandatory

Dollar General occurrences: Maximum – 99,999 per message

Function: To provide reference to a specific purchase order

Dollar General interchange: See Comments

Example: PRF*DNWM0840919901

Α

		ANSI X12 STANDARD DEFINITIO	Dollar General IMPLEMENTATION							
REF	Element	NAME	ST	FT	ST	FT	REMARKS			
A	PRF 01	SEGMENT NAME Purchase Order Number	M M	AN 22	M	AN 22	USER NOTE: If trading the Motor Carrier Load Tender (204) with Dollar General Corporation, this field can be mapped from the OID-02 field of the 204.			
COMMENTS										

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.

ISA*00* *00* *02*SCAC *01*069331990INV *020204*1416*U*00401*00000005*0*T*:

GS*QM*SCAC*069331990INV*20020204*1416*5*X*004010

ST*214*50001 B10*0465329*ARD03241089M*SCAC N1*ST*Ardmore Distribution Cent*93*D6300

N4*Ardmore*OK*73401

LX*3

AT7***AB*NA*20020208*2359*LT

PRF*DNWM0840919901 PRF*DNTVGF36262301

SE*9*50001 ST*214*50002

B10*0465329*ARD03241089M*SCAC N1*SF*TETLEY USA INC*92*V014318

N4*Marietta*GA*30066

N1*ST*Ardmore Distribution Cent*93*D6300

N4*Ardmore*OK*73401

LX*1

AT7***AA*NA*20020201*0100*LT

PRF*DNWM0840919901

SE*10*50002

ST*214*50003

B10*0465329*ARD03241089M*SCAC N1*SF*TETLEY USA INC*92*V014318

N4*Marietta*GA*30066

N1*ST*Ardmore Distribution Cent*93*D6300

N4*Ardmore*OK*73401

LX*1

AT7*AF*NS***20020201*0030*LT

MS2*SCAC*0000000*CV

PRF*DNWM0840919901

SE*11*50003

ST*214*50004

B10*0465329*ARD03241089M*SCAC

N1*SF*STANDARD CANDY COMPANY*92*V016540

N4*Eastman*GA*31023

N1*ST*Ardmore Distribution Cent*93*D6300

N4*Ardmore*OK*73401

LX*2

AT7***AA*NA*20020201*0800*LT

MS2*SCAC*0000000*CV

PRF*DNTVGF36262301

SE*11*50004

ST*214*50005

B10*0465329*ARD03241089M*SCAC

N1*SF*STANDARD CANDY COMPANY*92*V016540

N4*Eastman*GA*31023

N1*ST*Ardmore Distribution Cent*93*D6300

N4*Ardmore*OK*73401

LX*2

AT7*AF*NS***20020201*0730*LT

PRF*DNTVGF36262301

SE*10*50005

ST*214*50006

B10*0465329*ARD03241089M*SCAC

N1*ST*Ardmore Distribution Cent*93*D6300

N4*Ardmore*OK*73401

LX*3

0 Transaction Set Header

PRO #, BOL #, SCAC Code

Ship-to identification (1 per ST – SE)

Ship-to address Stop Number

Shipment Status Code (1 per ST – SE)

Reference Purchase Order Numbers for this Stop

(May repeat as necessary depending on # of PO's in a Stop)

Transaction Set Trailer

Multiple messages can be contained in one ISA (interchange)

Only Ship from ..

And/Or Ship-to information can be sent in any N1 loop

Max. 2 N1 loops per message

Shipment Appointment Code (1 per ST - SE)

1 Shipment Status or Appointment Status per message

AT7*CD*NS***20020208*2329*LT PRF*DNWM0840919901 PRF*DNTVGF36262301 SE*9*50006 GE*6*5 IEA*1*000000005

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.