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

TABLE OF CONTENTS

1. INTRODUCTION

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:

❶ # B10 – BEGINNING OF MESSAGE

❷ Level: Header
❸ Dollar General status: Mandatory.
❹ Dollar General occurrences: 1 per message.
❺ Function: Segment for the unique identification of the shipment status message, by means of its name and its number.
❺ Dollar General interchange: See remarks.
❻ Example: **B10*V9073271HS*FLT03261241M*WENP**
                                        A   B   C

❼
❽

REF	Element	ANSI X12 STANDARD DEFINITION NAME	ST	FT	Dollar General IMPLEMENTATION ST	FT	REMARKS
	B10	*SEGMENT NAME*	M		M		
A	01	Reference Identification	M	an.	M	an..	Carrier's Invoice Number (PRO)
B	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
C	03	Standard Carrier Alpha Code (SCAC)	M	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.

❾

❿ <u>COMMENTS</u>
❿ <u>CODE VALUES</u>

<u>LEGEND</u>

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

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

❸   Status of the segment: as defined by Dollar General.

❹   Number of occurrences of the segment: as defined by ANSI X12 and as used by Dollar General.

❺   Description of the function of the segment as defined by ANSI X12 and as used by Dollar General.

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

❼   Definition of the segment content as defined by ANSI X12 and as implemented by Dollar General.

❽   Identification of the data elements in the segment
Reference to the example.
Data element tag - data elements with a 'C' denote a composite data element.
Data element name - *italic CAPITALS* denote a composite data element.
ST - the status of the data element.
FT - the format of the data element, i.e. the indication of the number of characters (numerical or alphabetical) for this data element.
Remarks on the specific use of the data element in the interchange with Dollar General.

❾   Data elements Dollar General expects including description and notes on segment use.

❿   The segment description can be followed by:
- Comments providing more information regarding specific data elements and how they must be used and/or understood in messages 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 **HHMM**.
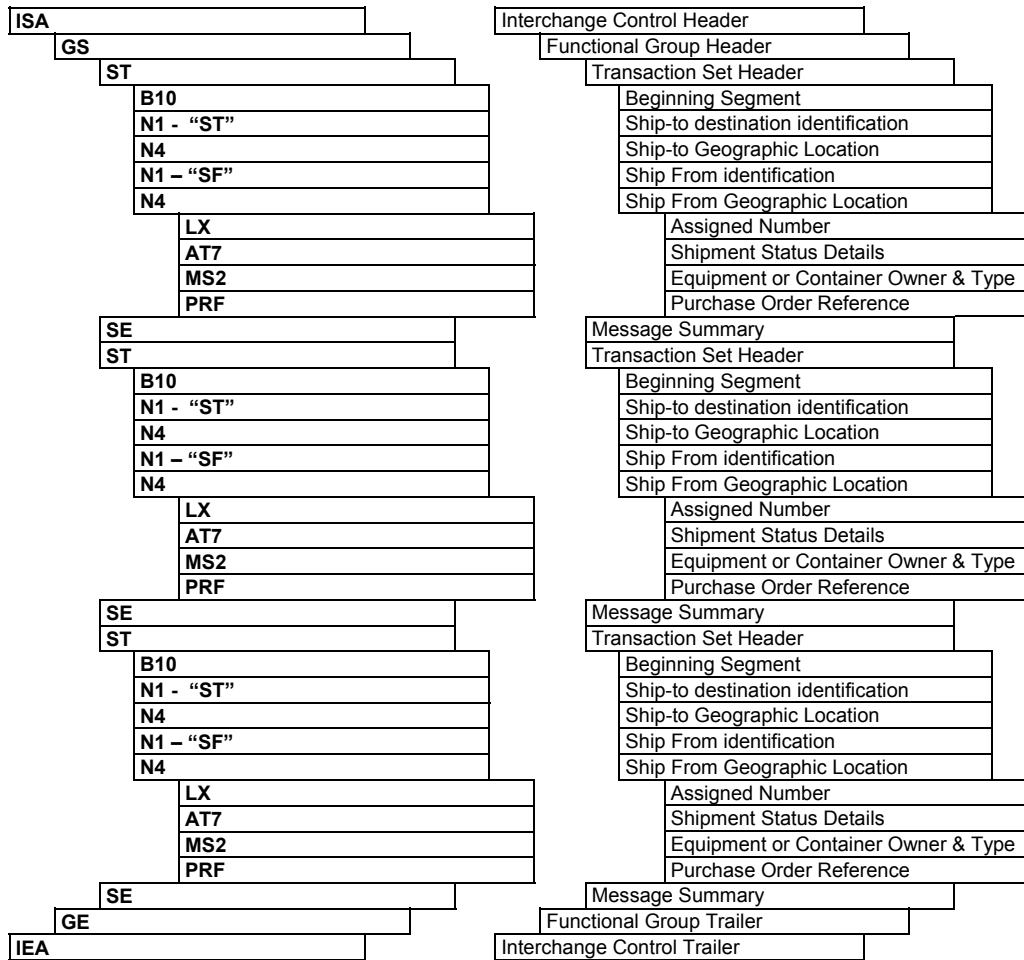
3. SEGMENT TABLE

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.

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	M	1	Mandatory
010	B10	Beginning Segment for Transportation Carrier Shipment Status Message	M	1	Mandatory
LOOP ID - 0100				**2**	
050	N1	Name	O	1	Mandatory
080	N4	Geographic Location	O	1	Optional
LOOP ID – 0200				**1**	
130	LX	Assigned Number	O	1	Mandatory
LOOP ID – 0205				**1**	
140	AT7	Shipment Status Detail	O	1	Mandatory
146	MS2	Equipment or Container Owner and Type	M	1	Optional
LOOP ID – 0230				**999999**	
320	PRF	Purchase Order Reference	O	1	Mandatory
610	SE	Transaction Set Trailer	M	1	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.

Segment	Description
ISA	Interchange Control Header
GS	Functional Group Header
ST	Transaction Set Header
B10	Beginning Segment
N1 - "ST"	Ship-to destination identification
N4	Ship-to Geographic Location
N1 – "SF"	Ship From identification
N4	Ship From Geographic Location
LX	Assigned Number
AT7	Shipment Status Details
MS2	Equipment or Container Owner & Type
PRF	Purchase Order Reference
SE	Message Summary
ST	Transaction Set Header
B10	Beginning Segment
N1 - "ST"	Ship-to destination identification
N4	Ship-to Geographic Location
N1 – "SF"	Ship From identification
N4	Ship From Geographic Location
LX	Assigned Number
AT7	Shipment Status Details
MS2	Equipment or Container Owner & Type
PRF	Purchase Order Reference
SE	Message Summary
ST	Transaction Set Header
B10	Beginning Segment
N1 - "ST"	Ship-to destination identification
N4	Ship-to Geographic Location
N1 – "SF"	Ship From identification
N4	Ship From Geographic Location
LX	Assigned Number
AT7	Shipment Status Details
MS2	Equipment or Container Owner & Type
PRF	Purchase Order Reference
SE	Message Summary
GE	Functional Group Trailer
IEA	Interchange Control Trailer

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			Dollar General IMPLEMENTATION		
REF	Element	NAME	ST	FT	ST	FT	REMARKS
	ISA	*SEGMENT NAME*	M		M		
A	01	Authorization Information Qualifier	M	ID 2	M	ID 2	"00"
B	02	Authorization Information	M	AN 10	M	AN 10	{Blank}
C	03	Security Information Qualifier	M	ID 2	M	ID 2	"00"
D	04	Security Information	M	AN 10	M	AN 10	{Blank}
E	05	Interchange ID Qualifier (Sender)	M	ID 2	M	ID 2	**USER NOTE:** 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	M	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	M	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	M	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.
H	09	Interchange Date	M	DT 6	M	DT 6	
I	10	Interchange Time	M	TM 4	M	TM 4	
J	11	Interchange Control Standards Identifier	M	ID 1	M	ID 1	"U"
K	12	Interchange Control Version Number	M	ID 5	M	ID 5	"00401"
L	13	Interchange Control Number	M	N0 9	M	N0 9	A control number assigned by the interchange sender
M	14	Acknowledgment Requested	M	ID 1	M	ID 1	"0"
N	15	Usage Indicator	M	ID 1	M	ID 1	"T" for Test; "P" for Production
O	16	Component Element Separator	M	1	M	1	

<u>COMMENTS</u>

GS - FUNCTIONAL GROUP HEADER

Level: Header
Dollar General status: Mandatory
Dollar General occurrences: Maximum - 1 per message
Function: To transmit identifying numbers and other basic data relating to the transaction
                                   set
Dollar General interchange: See remarks.
Example: GS*QM*SCAC*069331990INV*20020204*1416*5*X*004010
                                      A   B   C   D   E   F G   H

REF	Element	ANSI X12 STANDARD DEFINITION NAME	ST	FT	ST	FT	Dollar General IMPLEMENTATION REMARKS
	GS	*SEGMENT NAME*	M		M		
A	01	Functional Identifier Code	M	ID 2	M	ID 2	204 = "SM" 990 = "GF" 214 = "QM"
B	02	Application Sender's Code	M	AN 15	M	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.
C	03	Application Receiver Code	M	AN 15	M	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	M	DT 8	M	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	M	ID 2	M	ID 2	"X"
H	08	Version / Release / Industry Identifier Code	M	AN 12	M	AN 12	"004010"

COMMENTS

B10 - BEGINNING SEGMENT FOR SHIPMENT STATUS MESSAGE

Level: Header
Dollar General status: Mandatory
Dollar General occurrences: Maximum - 1 per message
Function: To transmit identifying numbers and other basic data relating to the transaction
                                          set
Dollar General interchange: See remarks.
Example: B10*0465329*ARD03241089M*SCAC
                                                      A   B   C

		ANSI X12 STANDARD DEFINITION			Dollar General IMPLEMENTATION		
REF	Element	NAME	ST	FT	ST	FT	REMARKS
	B10	*SEGMENT NAME*	M		M		
A	01	Reference Identification	M	AN 22	M	AN 22	Carrier's Invoice Number (PRO)
B	02	Shipment ID (Bill of Lading)	M	AN 30	M	AN 30	**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.
C	03	Standard Carrier Alpha Code (SCAC)	M	AN 4	M	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.

COMMENTS

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			Dollar General IMPLEMENTATION		
REF	Element	NAME	ST	FT	ST	FT	REMARKS
	N1	*SEGMENT NAME*	M		M		
A	01	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 the N1-03 is 93 the N1-01 will be ST. 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.
B	02	Name	M	AN 35	M	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.
C	03	Identification Code Qualifier	M	AN 2	M	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.

COMMENTS

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

N4 – GEOGRAPHIC LOCATION

Level: Header
Dollar General status: Optional
Dollar General occurrences: Maximum - 2 per message
Function: To specify the geographic place of the named party
Dollar General interchange: This segment is not required if the N1-04 is provided.
Example: N4*Ardmore*OK*73401
                                         A   B   C

		ANSI X12 STANDARD DEFINITION				Dollar General IMPLEMENTATION	
REF	Element	NAME	ST	FT	ST	FT	REMARKS
	N4	*SEGMENT NAME*	O		O		
A	01	City	O	AN 30	O	AN 30	
B	02	State	O	AN 2	O	AN 2	
C	03	Zip Code	O	AN 9	O	AN 9	

COMMENTS

LX – ASSIGNED NUMBER

Level: Header
Dollar General status: Mandatory
Dollar General occurrences: Maximum – 1 per message
Function: To reference a line number in a transaction set
Dollar General interchange:
Example: LX*1
                                        A

		ANSI X12 STANDARD DEFINITION				Dollar General IMPLEMENTATION	
REF	Element	NAME	ST	FT	ST	FT	REMARKS
A	**LX** 01	*SEGMENT NAME* Assigned Number (Load Number)	M 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.

COMMENTS

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 G
	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*	M		M		
A	01	Shipment Status Code	C	AN 2	C	AN 2	"AF" = Carrier Departed Pick-up Location with Shipment "X1" = Carrier Arrived at Delivery Location "CD" = Carrier Departed Delivery Location
B	02	Shipment Status or Appointment Reason Code	C	AN 2	C	AN 2	"NS" = Normal Status
C	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	M	AN 2	M	AN 2	"NA" = Normal Appointment
E	05	Date	M	AN 8	M	AN 8	
F	06	Time	M	AN 8	M	AN 8	
G	07	Time Code	M	AN 2	M	AN 2	"LT" = Local Time

<u>**COMMENTS**</u>

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
	A B C

		ANSI X12 STANDARD DEFINITION				Dollar General IMPLEMENTATION		
REF	Element	NAME	ST	FT	ST	FT	REMARKS	
A	**MS2**	*SEGMENT NAME*	O		O			
	01	Standard Carrier Alpha Code (SCAC)	O	ID 4	O	ID 4		
B	02	Equipment Number	C	AN 10	C	AN 10		
C	03	Equipment Description Code	O	ID 2	O	ID 2		

COMMENTS

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
                                          A

		ANSI X12 STANDARD DEFINITION				Dollar General IMPLEMENTATION	
REF	Element	NAME	ST	FT	ST	FT	REMARKS
A	**PRF** 01	*SEGMENT NAME* Purchase Order Number	M M	AN 22	M 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*000000005*0*T*:
GS*QM*SCAC*069331990INV*20020204*1416*5*X*004010
ST*214*50001                                          Transaction Set Header
B10*0465329*ARD03241089M*SCAC                         PRO #, BOL #, SCAC Code
N1*ST*Ardmore Distribution Cent*93*D6300              Ship-to identification  (1 per ST – SE)
N4*Ardmore*OK*73401                                   Ship-to address
LX*3                                                  Stop Number
AT7***AB*NA*20020208*2359*LT                          Shipment Status Code (1 per ST – SE)
PRF*DNWM0840919901                                    Reference Purchase Order Numbers for this Stop
PRF*DNTVGF36262301                                    (May repeat as necessary depending on # of PO's in a Stop)
SE*9*50001                                            Transaction Set Trailer
ST*214*50002
B10*0465329*ARD03241089M*SCAC                         Multiple messages can be contained in one ISA (interchange)
N1*SF*TETLEY USA INC*92*V014318                       Only Ship from ..
N4*Marietta*GA*30066
N1*ST*Ardmore Distribution Cent*93*D6300              And/Or Ship-to information can be sent in any N1 loop
N4*Ardmore*OK*73401                                   Max. 2 N1 loops per message
LX*1
AT7***AA*NA*20020201*0100*LT                          Shipment Appointment Code (1 per ST – SE)
PRF*DNWM0840919901
SE*10*50002
ST*214*50003                                          1 Shipment Status or Appointment Status per message
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
```

```
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.