ANSI ASC X12
SHIPMENT STATUS (214)
VERSION 004010

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Dear YRC Freight Customer:

Thank you for your interest in trading shipment status messages with YRC Freight. This is the 214 implementation guide you requested. We look forward to working with you to implement the EDI transaction set 214. If you have any questions about the 214 or any other EDI issues, please feel free to contact EDIhelp@yrcfreight.com.

Preface

Purpose and Scope

The purpose of this guide is to provide YRC Freight trading partners the necessary information to accept shipment status messages, via EDI, from YRC Freight. The material presented here covers the 214 transaction set of Version 004 Release 010 of the ANSI ASC X12 standards.

American National Standards Institute Accredited Standards Committee X12

YRC Freight uses ANSI ASC X12 standard format transaction sets for the exchange of electronic documents with its EDI trading partners.

YRC Freight is a leader in the use of EDI in the transportation industry and firmly supports the use of ANSI ASC X12 standards in EDI trading partner relationships. The use of such standards cultivates a common language between trading partners and expedites EDI setup. A well developed EDI system provides numerous possibilities for expanding the business relationship.

Reference Material

ASCX12 Publications

• Electronic Data Interchange X12 Standards reflecting Version 004 Release 010 (004010), dated December 1997. This publication is available from DISA, 1800 Diagonal Road, Suite 200, Alexandria, VA 22314,(703)548-7005, WWW.DISA.ORG.

ATA Publications

• American Trucking Association's Motor Carrier Industry Guide to Electronic Data Interchange Implementation and Conventions, reflecting Version 004 Release 010 (004010), dated May 1998. This publication is available from the American Trucking Association's Information Technology Council, 2200 Mill Road, Alexandria, VA 22314.

Implementation

To implement an electronic Shipment Status system, the customer needs to give YRC Freight a listing of all their shipping and receiving locations. This list should include the business name of each location (this is crucial when selecting subsidiaries where names differ) and the complete address consisting of street, city, state, and zip. Also, the customer must determine whether status should be reported on inbound and/or outbound shipments. Normally, the traffic department can supply this information. It is recommended that only locations that will be tracked by your system be set up for electronic shipment status; otherwise, unwanted statuses will be sent costing both trading partners processing and transmission costs.

'Inbound shipments' are shipments coming inbound to your locations. 'Outbound shipments' are shipments being shipped from your locations. Shipment statuses can also be sent to third party payors. Following are examples of situations when a shipment status may be needed:

- A manufacturing firm wants the status of raw materials shipped to their processing plants. Thus, the manufacturer will request inbound shipments and supply YRC Freight with the processing plant locations.

- A retailer wants to track all merchandise shipped to 4 of their 6 distribution centers. Thus, the retailer will request inbound shipments and supply YRC Freight with the 4 locations.

- A manufacturer wants to keep track of all finished goods shipped from their west coast division. Thus, the manufacturer will request outbound shipments and supply us with the western division's locations.

YRC Freight will assign an internal customer code to these locations. Using this customer code, all of the new shipments for the selected locations will be captured. As an example, a shipment picked up today will be applied to the Shipment Status master file at approximately 7:30 a.m. tomorrow morning. Each day, the most recent status of the shipment will be applied to the master record until YRC Freight has transmitted a final status for the shipment.

4010 Changes

For simplicity, the following table will identify segment replacements within the past few versions.

Older 214 Versions	4010
N9	L11
R3	MS3
Q5	AT7, MS1, MS2
H3	AT5
Q6	AT8

PO numbers are found in the SPO segment.

No longer available in 214:

- freight charges
- service standards.

AT7 (formerly the Q5) has changes to the structure and the data elements.

- If AT701 is present, the AT702 must be supplied and the AT703 and AT704 must be blank.
- If AT703 is present, the AT704 must be supplied and the AT701 and AT702 must be blank.
- The former old YRC Freight Q5 status codes AD and RB will now be supplied in the AT703 as AB and X9, respectively.
- The other YRC Freight status codes will be converted as follows:

ANSI Q501	4010 AT701
A	X4
AF	AF
AG	AG
AI	AI
AJ	AJ
AN	AN
CA	CA
D	D1
E	B6
HD	A7
J	J1
K	K1
O	OO
R	R1
S	S1

YRC Freight System Enhancements

As information, the following items are enhancements YRC Freight has taken advantage of as the 214 transaction set has evolved. If you are currently using a version older than M2/6, please take note of the following changes and new options which are now available.

1. YRC Freight no longer transmits the same status on a shipment more than once, unless specifically requested. Therefore, if no shipment status change has occurred since the last transmission, the shipment will not be included in the current transmission.

2. Since transaction set 214 now allows for multiple status loops, YRC Freight has taken advantage of the flexibility to provide more than one status per shipment per transaction. Some possible options are as follows:

    a. Send any & all statuses which have occurred since the last transmission.

        Example:

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        .

        AT7*__AF__*NS***19980701*00000000*ET
            - Departed from pickup location on July 1, 1998.
        MS1*BROOKLYN*NY
            - The YRC Freight terminal is in Brooklyn, NY.
        MS2*RDWY*270867
            - The pickup trailer was 270867 and is owned by YRC Freight.
        AT7*__AG__*NS***19980707*00000000*ET
            - The shipment's estimated delivery date is July 7, 1998.
        MS1*MINNEAPOLIS*MN
            - The consignee's city and state is Minneapolis, MN.
        AT7*__X4__*AO***19980701*23590000*ET
            - The shipment is at a YRC Freight terminal. The last transfer (load, unload, arrival) was July 1, 1998 at 11:59 P.M.. The shipment may be delayed due to a weather related situation.
        MS1*BROOKLYN*NY
            - The YRC Freight terminal is in Brooklyn, NY.
        MS2*RDWY*270867
            - The shipment arrived at a YRC Freight terminal on this trailer or is being loaded onto this trailer.

        .
        .
        .

    b. Send only selected statuses which have occurred since the last transmission. For instance, you may request to see only arrival (at any terminal) and delivered statuses.

        Example:

        .
        .
        .

        AT7***__AB__*HB*19980703*00000000*CT
            - The delivery appointment date was made with the consignee for July 3, 1998. The consignee did not request a time.
        AT7*__X4__*NS***19980701*23590000*ET
        MS1*BROOKLYN*NY
        MS2*RDWY*270867

AT7*__D1__*HB***19980703*12000000*CT

- The shipment was delivered July 3, 1998. The status reason code states that the shipment was held pending appointment.

MS1*LINCOLNSHIRE*IL

- The destination terminal is in Lincolnshire, IL.

MS2*SCAC*270866

- The delivery trailer was 270866 and is owned by SCAC.

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c. Wait until the shipment has a delivered status before sending particular statuses. For instance, you may request to see only actual pickups, estimated deliveries, and delivered statuses when the shipment is delivered.

Example:

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AT7*__AF__*NS***19980701*00000000*ET
MS1*BROOKLYN*NY
MS2*RDWY*270867
AT7*__AG__*NS***19980707*00000000*ET
MS1*MINNEAPOLIS*MN
AT7*__D1__*NS***19980703*1200000000*CT
MS1*LINCOLNSHIRE*IL
MS2*SCAC*270866

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System Considerations and Options

The following are some tips to consider when designing your system which will accept and process electronic shipment statuses.

- In some cases, status details (segment AT7) will be transmitted prior to shipment details.
- Multiple status details (AT7) for a shipment may occur in the same transmission.
- If no status change has occurred since the last transmission, by default the shipment will not be included in the current transmission.
- Any combination of the status codes can be requested. YRC Freight will include the statuses based on your company's requirements.
- The en route status ("B6") and the arrived status("X4") are reported only if they are the current status of the shipment when the statuses are extracted for transmission.
- YRC Freight prefers that you return a functional acknowledgment (transaction set 997) after the shipment status (transaction set 214) is received. The functional acknowledgment should have the sender and receiver IDs obtained from the 214 sender and receiver IDs. Normally, the EDI software automatically handles this function.
- Note that the "D1" status code (delivered) is not the only final status code for a YRC Freight shipment. Other possible final status codes include AN (delivered to air freight), AI (reconsigned/returned), A7 (shipment refused), and J1 (delivered to a connecting line). Hence, your computer system should anticipate multiple codes to close/complete a shipment.
- YRC Freight, like most carriers in the LTL trucking environment, uses only one LX segment per transaction/shipment. Since LTL carriers have only one stop-off per shipment, the LX01 is never incremented beyond "1".
- YRC Freight prefers our trading partners to use the ISA/IEA segments if possible.
- When designing or redesigning a shipment status system, please keep in mind the differences between Truckload (TL) and Less-Than-Truckload (LTL) data. For example, most LTL carriers normally do not make appointments to pickup shipments nor make appointments to deliver shipments. Also, most LTL carriers do not record the date and time of arrival at the customer's gate nor do they record the date and time if unloading, instead the delivery date is the "unload" date.
- EDI semantics state that the beginning segment of a loop must be present if any other segments in the loop are present. Therefore, we ask that you comply with this "standard". For example, if an N4 in loop 0100 is needed, the N1 in loop 0100 must be transmitted (N1 is the 1st segment in loop 0100).
- Please allow your system to take in 2 transmission files. You must make sure that you process the files in order, otherwise, the older statuses will overlay the newer statuses.
- Cost Savings - The 214 application has an option to only send the N1 through N4 (through G62 if you prefer) segments once. Subsequent transmissions for that shipment would not contain the N1 through N4 segments. Only corrections made to the shipment would cause the N1 through N4 segments to be resent at anytime.

SHIPMENT STATUS CODE EXPLANATIONS

X4=ARRIVED (ON HAND) AT TERMINAL LOCATION

The shipment is on hand at a YRC Freight terminal facility. City Name (MS101) and State/Prov Code (MS102) will identify the facility. When Equipment Nbr (MS202) is not present, it indicates the shipment is on the dock at the location of MS101 and MS102. The date and time is NOT the date and time the trailer arrived at the terminal facility. It is the date and time of the last movement, such as, trailer arrived, unloading, onhand, or loading at that terminal facility. Only one "X4" status will be sent while the shipment is at that terminal facility.

AF=ACTUAL PICKUP

The shipment has been picked up. The AT705 is the actual date the shipment was picked up. City Name (MS101) and State/Prov Code (MS102) identifies the pickup YRC Freight terminal facility. Equipment Nbr (MS202) will identify the trailer on which the shipment was picked up.

AG=ESTIMATED DELIVERY

An estimated delivery date is calculated at the time the shipment is picked up. The AT705 is the estimated date for delivery. The estimated delivery date is calculated at the time of pickup and is not changed as the shipment moves closer to its destination. City Name (MS101) and State/Prov Code (MS102) identifies the consignee's city and state.

AB=APPOINTMENT DATE

A delivery appointment has been set up between YRC Freight and the consignee based on requirements from the shipper or consignee. The AT705 and AT706 are the date and time of the appointment.

AI=RECONSIGNED

The consignee has changed. AT705 and AT706 are the actual date and time the shipment is reconsigned.

A3=RETURNED TO SHIPPER

The final status for this type of shipment. AT705 and AT706 are the actual date and time the shipment is returned.

AJ=TENDERED FOR DELIVERY

The tendered date for the shipment. AT705 and AT706 are the date and time the shipment is available for delivery. The AT706 is optional.

AN=DELIVERED TO AIR FREIGHT CARRIER

The final status for the shipment. AT705 and AT706 are the actual date and time the shipment is given to an air freight carrier.

CA=CANCELED

The shipment has been canceled/voided for one of numerous reasons. This is a final status. Currently, the AT705 and AT706 are the date and time the shipment was picked up; it does not reflect the issue date of the void.

D1=DELIVERED

The AT705 is the actual date the shipment was delivered to Consignee. City Name (MS101) and State/Prov Code (MS102) will identify the delivery YRC Freight terminal facility. The AT706 is optional and most likely will not be entered.

B6=ESTIMATED TO ARRIVE (EN ROUTE) TO THE NEXT YRC Freight TERMINAL

The shipment is en route. The AT705 and AT706 are the estimated date and time the trailer will arrive at a YRC Freight terminal. City Name (MS101) and State/Prov Code (MS102) identifies the next destination YRC Freight terminal. Equipment Nbr (MS202) will identify the trailer on which the shipment is moving.

A7=REFUSED BY CONSIGNEE

Consignee refused the shipment. Examples of reasons for refusal include partial damage or partial shortage. AT705 and AT706 are the date and time the shipment was refused.

J1=DELIVERED TO A CONNECTING LINE (C/L)

Shipment has been delivered to a C/L. The AT705 and AT706 will be the date and time the shipment was delivered to the C/L. City Name (MS101) and State/Prov Code (MS102) will identify the YRC Freight terminal that delivered the shipment to a C/L.

K1=PROCESSING THROUGH CUSTOMS

Shipment is being processed or released at the Customs location specified in MS101 and MS102. AT705 and AT706 are the date and time pertaining to Customs.

OO=PAPERWORK RECEIVED, NO SHIPMENT OR NO EQUIPMENT

The paperwork has been received by the facility identified by City Name (MS101) and State/Prov Code (MS102) but the actual freight is missing. The previous terminal is notified and an en route status will be transmitted when the freight is re-routed. Equipment Nbr (MS202) will identify the trailer on which the paperwork arrived.

R1=RECEIVED FROM PRIOR CARRIER

The shipment was given to YRC Freight by another carrier. AT705 and AT706 are the actual date and time the shipment was received. The carrier's SCAC can be found in one of the MS3 segments. This status code takes the place of the AT701 "AF" (actual pickup).

X9=DELIVERY APPOINTMENT REQUESTED

Per customer requirements, YRC Freight has contacted the consignee to notify the consignee or make an appointment for delivery. The AT705 and AT706 are the date and time that YRC Freight contacted the consignee. The actual appointment date and time are in the AT7 segment when the AT703 is "AB".

S1=TRAILER SPOTTED AT CONSIGNEE'S LOCATION

The trailer containing the shipment has been dropped off at the consignee's location. AT705 and AT706 are the actual date and time the trailer was dropped at the consignee's location. The trailer number is found in the MS202.

SD=SHIPMENT DELAYED

The shipment is delayed due to a weather issue or equipment failure.

L1=LOADING FOR DELIVERY

The shipment is on the trailer that is loading for delivery at the destination terminal.

X6=EN ROUTE TO DELIVERY LOCATION

The shipment is on the trailer that is out for delivery to the consignee. It is normally dispatched from the destination terminal.

P1=DEPARTED TERMINAL LOCATION

The shipment was dispatched from a YRC Freight terminal. AT705 and AT706 are the date and time the trailer left the terminal.

AV=AVAILABLE FOR DELIVERY

The shipment is at the destination terminal. AT705 and AT706 should be the date and time the shipment either arrived or unloaded. It does not mean that it is available for delivery

Note: Status Date (AT705) and Status Time (AT706) will be in local time zone.

Electronic Data Interchange (EDI)

Communications

YRC Freight Inc. has developed a communication network that provides the ability to transmit EDI transactions directly to EDI Trading Partners, the method preferred by YRC Freight.
However, if you prefer to use a third party Value Added Network, YRC Freight prefers Descartes.

The Structure of an Electronic Transmission

An EDI transmission consists of one or more “envelopes” which identify the sender and receiver of the transaction set. ISA and IEA segments mark the beginning and the end of an envelope respectively. Within the envelope, the transaction sets are organized into one or more functional groups bounded by a GS and a GE segment. Figure 1 illustrates the format of an EDI transmission.

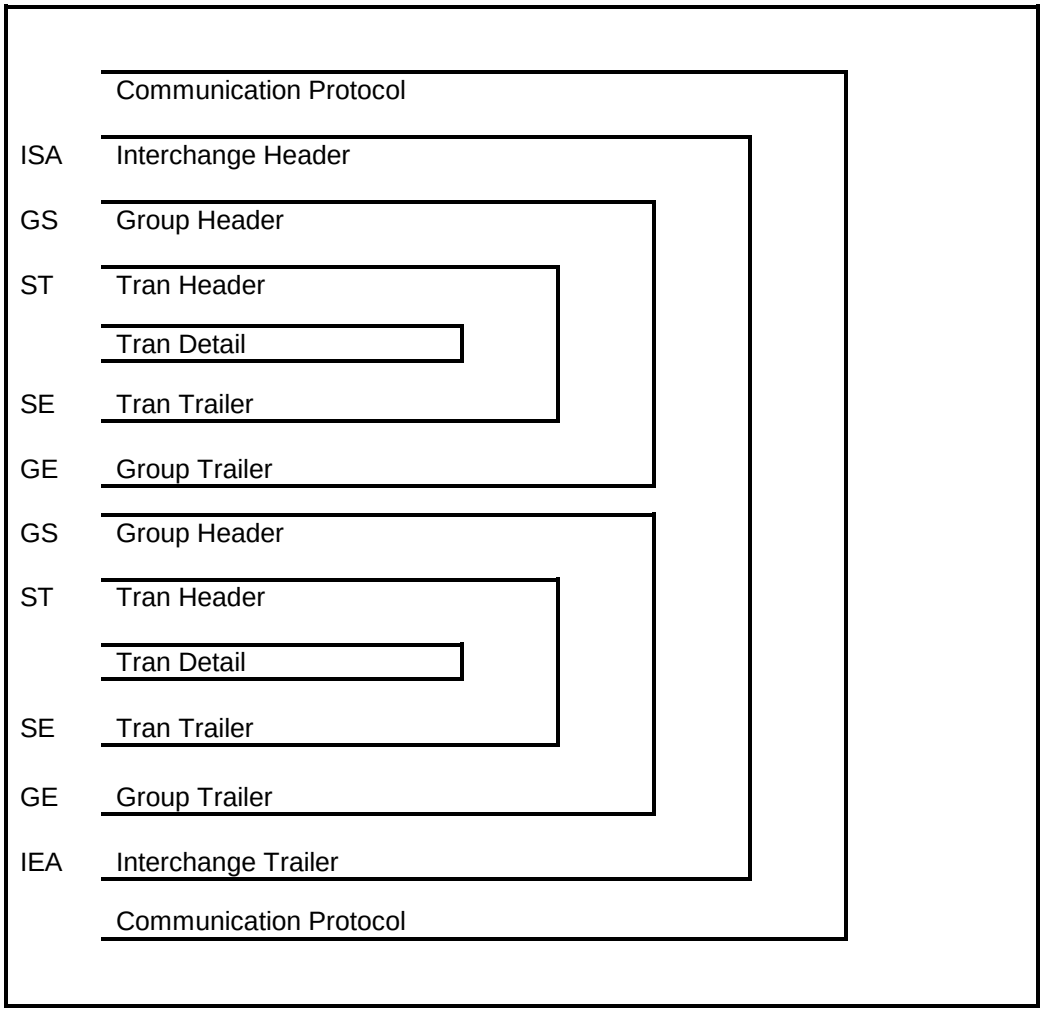

Figure 1: Transmission Structure

Transaction Structure

EDI transaction sets consist of a group of segments (records) arranged in a specific order. Most transactions have header level segments and detail level segments. There can also be repeated sets of segments referred to as loops.

Each segment begins with a segment identifier and ends with a segment terminator. The segment terminator is a special character agreed upon by sender and receiver to define the end of a segment. The most commonly used segment terminator is the tilde (~), a hexadecimal 'A1' in EBCDIC (Extended Binary Coded Decimal Interchange Code) or '7E' in ASCII (American Standard Code for Information Exchange).

Data elements (fields) within a segment are delimited by an element separator. The element separator is a special character agreed upon by sender and receiver. The most commonly used element separator is an asterisk (*), a hexadecimal '5C' for EBCDIC or hexadecimal '2A' for ASCII.

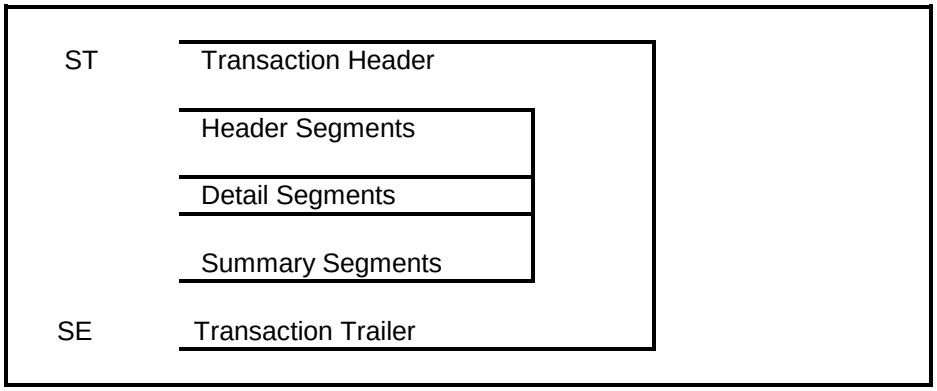

Figure 2: Transaction Structure

Notation Conventions

Segment Requirements

• (M) MANDATORY: The segment must be transmitted.

• (O) OPTIONAL: The segment may be transmitted if needed.

Element Requirements

• (M) MANDATORY: The data element must be transmitted.

• (O) OPTIONAL: The data element may be transmitted, if needed.

• (X) RELATIONAL: The data element's existence or absence is related to the existence or absence of another data element. The relationship is explained by a note following the segment definition. There could also be an alphabetic code to explain the relational condition.

• (Z) SEMANTIC: Refer to the Semantic note(s) for this data element.

• (C) CONDITIONAL: The data element must be transmitted under certain conditions.

• (P) PAIRED or MULTIPLE: If any element is transmitted, then all must be transmitted.

• (R) REQUIRED: At least one of the data elements specified must be transmitted.

• (E) EXCLUSIVE: Not more than one of the data elements specified can be transmitted.

• (L) LIST CONDITIONAL: If the first data element specified is transmitted, then at least one of the others must be transmitted. Any or all elements not specified as the first may be transmitted with the first data element.

• Each data element has a minimum and maximum length requirement.

• In a mandatory numeric data element the minimum characters, as defined in the data dictionary, must be transmitted even if the value is zero.

Data Types

• AN: Alphanumeric data elements containing the numerals 0-9, the characters A-Z and any special characters except asterisk (*), the greater than Sign (>) and the characters with a hexadecimal value of ‘40’ or less. These characters are control characters and should not be used for data. The contents are left-justified. Trailing spaces should be suppressed unless necessary to satisfy the minimum length requirement.

• R: (Real) numeric data containing the numerals 0-9 and a decimal point in the proper position. The decimal point is optional for integer values but required for fractional values. A leading + or - sign may be used. The minus sign must be used for negative values.

• Nn: Numeric data containing the numerals 0-9, and an implied decimal point. The 'N' indicates that the element contains a numeric value and the 'n' indicates the number of decimal places to the right of the implied decimal point. The actual decimal point is not transmitted. A leading + or - sign may be used. The minus sign must be used for negative values. Leading zeroes should be suppressed unless they are necessary to satisfy the minimum number of digits required by the data element specification. For a data element defined as N4 with a minimum length of 4, the value 0.0001 would be transmitted as ‘0001’. For an N4 data element with the minimum length of 1, the value 0.0001 would be transmitted ‘1’.

• ID: A data element identifier from a pre-defined list of values maintained by ASC X12.

• DT: Numeric date in the form YYYYMMDD.
• TM: Numeric time in the form HHMM. Time is represented in 24-hour clock format.

Data Element Reference Number

The Data Element Reference Number is a unique identifier used to aid in locating data element definitions in the applicable standards manual.

Transaction Set 214 Transportation Carrier Shipment Status Message

This transaction set can be used by a transportation carrier to provide shippers, consignees, and their agents with the status of shipments in terms of dates, times, locations, route, identifying numbers, and conveyance.

Table 1

Seg ID	Description	Req.	Max Use	Loop ID	Max Loops
ST	Transaction Set Header	M	1		
B10	Beginning Segment for Transportation Carrier Shipment Status Message	M	1		
L11	Business Instructions and Reference Number	O	300		
MAN	Marks and Numbers	O	9999		
K1	Remarks	O	10		
N1	Name	O	1	0100	10
N2	Additional Name Information	O	1	0100	
N3	Address Information	O	2	0100	
N4	Geographic Location	O	1	0100	
G61	Contact	O	1	0100	
G62	Date/Time	O	1	0100	
L11	Business Instructions and Reference Number	O	10	0100	
MS3	Interline Information	O	12	0100	
LX	Assigned Number	O	1	0200	999999
AT7	Shipment Status Details	O	1	0205	10
MS1	Equipment, Shipment, or Real Property Location	O	1	0205	
MS2	Equipment or Container Owner and Type	O	1	0205	
L11	Business Instructions and Reference Number	O	10	0200	
MAN	Marks and Numbers	O	9999	0200	
Q7	Lading Exception Code	O	10	0200	
K1	Remarks	O	10	0200	
AT5	Bill of Lading Handling Requirements	O	10	0200	
AT8	Shipment Weight, Packaging and Quantity Data	O	10	0200	
CD3	Carton (Package) Detail	O	1	0210	999999
L11	Business Instructions and Reference Number	O	20	0210	
AT7	Shipment Status Details	O	1	0215	10
MS1	Equipment, Shipment, or Real Property Location	O	1	0215	
MS2	Equipment or Container Owner and Type	O	1	0215	
NM1	Individual or Organizational Name	O	1	0210	
Q7	Lading Exception Code	O	10	0210	
AT8	Shipment Weight, Packaging and Quantity Data	O	1	0210	
MAN	Marks and Numbers	O	9999	0210	
N1	Name	O	1	0220	999999
N2	Additional Name Information	O	1	0220	
N3	Address Information	O	3	0220	
N4	Geographic Location	O	1	0220	
L11	Business Instructions and Reference Number	O	10	0220	

Seg ID	Description	Req.	Max Use	Loop ID	Max Loops
PRF	Purchase Order Reference	O	1	0230	999999
N1	Name	O	1	0231	
N2	Additional Name Information	O	1	0231	
N3	Address Information	O	2	0231	
N4	Geographic Location	O	1	0231	
L11	Business Instructions and Reference Number	O	10	0231	
CD3	Carton (Package) Detail	O	1	0233	999999
L11	Business Instructions and Reference Number	O	20	0233	
AT7	Shipment Status Details	O	1	0240	10
MS1	Equipment, Shipment, or Real Property Location	O	1	0240	
MS2	Equipment or Container Owner and Type	O	1	0240	
MAN	Marks and Numbers	O	9999		
SPO	Shipment Purchase Order Detail	O	1	0250	999999
SDQ	Destination Quantity	O	10	0250	
EFI	Electronic Format Identification	O	1	0260	>1
BIN	Binary Data	M	1	0260	
SE	Transaction Set Trailer	M	1		

Notes:

1/100 Status and appointment dates and times shall not be transmitted in the G62 segment.

1/210 Loops 0210, 0215 and 0220 shall be used in conjunction with loop 0200 to convey status for small package carrier shipments.

YRC Freight's 214 uses loops 0, 100, 200, 205, and 250.

214 Business Example

ISA*00* *00* *02*RDWY *01*012345678 *980806*1741*U*00400*000000008*0*T*>

GS*QM*RDWY*012345678*19980806*1741*8*X*004010

ST*214*000080001

B10*1877086586*3679DD*RDWY*3
B1001 IS THE CARRIER'S PRO
B1002 IS THE SHIPPER'S BILL OF LADING NUMBER

N1*SH*TREE DOCTOR INC.

N3*5 SLATE ST

N4*BROOKLYN*NY*11231

N1*CN*INTERN TECHNOLOGY

N3*333 ELMWOOD AVE

N4*MINNEAPOLIS*MN*55416

N1*TP*AAA PAYMENT CO.

N3*130 GLENWOOD AVE

N4*WYNCOTE*PA*19095

LX*1
LX01 IS ALWAYS "1"

AT7*AF*NS*19980701*00000000*ET**
AT701 IS THE STATUS CODE
AT702 IS PAIRED WITH THE AT701
NS IS NORMAL STATUS

MS1*BROOKLYN*NY

MS2*RDWY*270867
THE Q5 SEGMENT HAS BEEN REPLACED BY THE AT7, MS1, & MS2
THE AT7, MS1, & MS2 ARE LOOP 0205

AT7*AG*NS*19980707*00000000*ET**

MS1*MINNEAPOLIS*MN

AT7*X4*AO*19980701*23590000*ET**

MS1*BROOKLYN*NY

MS2*RDWY*270867

AT8*G*L*80*1
THE Q6 SEGMENT HAS BEEN REPLACED BY THE AT8

214 Business Example (cont'd.)

ONLY ONE AT8 PER SHIPMENT (LOOP 0200)

SPO*CHE-033*013
THE SPO SEGMENT IS AT THE END OF THE TRANSACTION (LOOP 0250)
SPO01 CONTAINS THE PO NUMBER
SPO02 IS THE DEPARTMENT NUMBER

SE*23*0000080001

ST*214*000080002

B10*1877092205*M7*1234A

N1*SH*SOIL SOLUTIONS

N3*57 MILLARD

N4*BROOKLYN*NY*11231

N1*CN*DIGGERS OF THE GROUND

N3*1234 ALGORND RD

N4*BUFFALO GROVE*IL*60089

N1*TP*AAA PAYMENT CO.

N3*130 GLENWOOD AVE

N4*WYNCOTE*PA*19095

MS3*SCAC*O*REWANDO
THE R3 SEGMENT HAS BEEN REPLACED BY THE MS3

LX*1

AT7*D1*HB*19980701*12000000*CT**

MS1*LINCOLNSHIRE*IL

MS2*SCAC*270866

AT8*G*L*1866*16

SPO*880161

SE*0000000019*000080002

ST*214*000080003

B10*1900141632RDWY*3**

N1*SH*PENCILS-R-US

214 Business Example (cont'd.)

N3*59 INDUSTRIAL AVE

N4*PARAMUS*NJ*07652

N1*CN*HART MIDDLE SCHOOL

N3*123 ALPHABET RD

N4*ST LOUIS*MO*63106

N1*TP*AAA PAYCO

N3*130 GLENWOOD AVE

N4*WYNCOTE*PA*19095

LX*1

AT7*AF*NS*19980701*00000000*ET**

MS1*CARLSTADT*NJ

MS2*RDWY*12267

AT7*AG*NS*19980707*00000000*ET**

MS1*ST LOUIS*MO

AT7*B6*NS*19980702*03100000*ET**

MS1*TANNERSVILLE*PA

MS2*SCAC*220393

AT8*G*L*118*1

SPO*8649-00*033*CT*1

SE*23*000080003

GE*3*8

IEA*1*000000008

Segment Definitions

ISA Interchange Control Header

Level: Control Segment
Loop:
Usage: Mandatory
Max Use: 1
Purpose: To start and identify an interchange of zero or more functional groups and interchange related control segments.

Example: ISA*00* *00* *02*RDWY *01*123456789 *980518*00400*000000522*0*P*>

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	I01	Authorization Information Qualifier Code to identify the type of information in the Authorization Info. 00 - No Authorization information present	M	ID	2/2
02	I02	Authorization Information Information used for additional identification or authorization of the interchange sender or the data in the interchange. This field should be spaces	M	AN	10/10
03	I03	Security Information Qualifier Code to identify the type of information in the Security information. 00 - No Security Information	M	ID	2/2
04	I04	Security Information This is used for identifying the security information about the interchange sender or the data in the interchange. This field should be spaces	M	AN	10/10
05	I05	Interchange ID Qualifier Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified. 01 - Duns Number 02 - SCAC 12 - Telephone Number ZZ - Mutually Defined	M	ID	2/2
06	I06	Interchange Sender ID Unique identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element.	M	AN	15/15
07	I05	Interchange ID Qualifier Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified. 01 - Duns Number 12 - Telephone Number ZZ - Mutually Defined	M	ID	2/2
08	I07	Interchange Receiver ID Unique identification code published by the receiver of the data.	M	AN	15/15
09	I08	Interchange Date Creation date of the interchange (YYMMDD).	M	DT	6/6
10	I09	Interchange Time	M	TM	4/4

		Creation time of the interchange (HHMM).			
11	I10	Interchange Control Standards Identifier Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer. U - USA	M	ID	1/1
12	I11	Interchange Control Version Number This version number covers the interchange control segments. 00400 - Standards issued as ANSI X12.5-1997	M	ID	5/5
13	I12	Interchange Control Number A control number assigned by the interchange sender. Must match IEA02	M	N0	9/9
14	I13	Acknowledgment Requested Code sent by the sender to request an interchange acknowledgment (TA1). 0 - No TA1 requested	M	ID	1/1
15	I14	Test Indicator Code to indicate whether data enclosed is test or production. T - Test P - Production	M	ID	1/1
16	I15	Component Element Separator Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator.	M		1/1

IEA Interchange Control Trailer

Level: Control Segment
Loop:
Usage: Mandatory
Max Use: 1
Purpose: To define the end of an interchange; used with the ISA segment.

Example: IEA*1*000000522

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	I16	Number of included Functional Groups.	M	N0	1/5
02	I12	Interchange Control Number	M	N0	9/9

GS Functional Group Header

Level: Control Segment
Loop:
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of a functional group and to provide control information

Semantic:
01 GS04 is the group date
02 GS05 is the group time
03 The date interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.

Comment:
01 A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

Example: GS*QM*RDWY*123456789*19980518*0435*587*X*004010

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	479	Functional Identifier Code Code identifying a group of application related transaction sets. QM - Shipment Status	M	ID	2/2
02	142	Application Sender's Code Code identifying party sending transmission; codes agreed to by trading partners.	M	AN	2/15
03	124	Application Receiver's Code Code identifying party receiving transmission; Codes agreed to by both trading partners.	M	AN	2/15
04	373	Date Date (YYYYMMDD)	M	DT	8/8
05	337	Time Time (HHMM)	M	TM	4/8
06	28	Group Control Number Assigned number originated and maintained by the sender.	M	N0	1/9
07	455	Responsible Agency Code Code used in conjunction with data element 480 to identify the issuer of the standard. X - Accredited Standards Committee X12	M	ID	1/2
08	480	Version / Release / Industry Identifier Code Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used.	M	AN	1/12

GE Functional Group Trailer

Level: Control Segment
Loop:
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of a functional group and to provide control information

Semantic: 01 The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header GS06.

Comment: 01 The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

Example: GE*QM*RDWY*123456789*980518*0435*587*X*004010

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	97	Number of Transaction Sets Included	M	NO	1/6
02	28	Group Control Number	M	NO	1/9

ST Starting Segment

Level: Header
Loop:
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number.

Semantic: 01 The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g. 810 selects the Invoice Transaction Set).

Example: ST*214*000010001

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction set. Code Definition 214 Shipment Status	M/Z	ID	3/3
02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set. This number is composed of the 1 to 5 digit data interchange control number (5 low order digits from data element 28 from the associated functional header) subscripted with a 4 digit serial number beginning with 0001 which indicates the transaction set's position in the transmitted functional group. The subscripted 4 digit serial number is sequentially assigned by the sender and is incremented by one.	M	AN	4/9

B10 Beginning Segment for Transportation Carrier Shipment Status Message

Level: Header
Loop:
Usage: Mandatory
Max Use: 1
Purpose: To transmit identifying numbers and other basic data relating to the transaction set.

Syntax:
01 R0106 - At least one of B1001 or B1006 is required.
02 E0105 - Only one of B1001 or B1005 may be present.
03 P0506 - If either B1005 or B1006 is present , then the other is required.

Semantic:
01 B1001 is the carrier assigned reference number.
02 B1007 indicates if the reference numbers included in this transmission were transmitted to the carrier via EDI or key entered by the Carrier. A "Y" indicates that the carrier received the reference numbers in an EDI transmission; an "N" indicates that the carrier did not receive the reference numbers in an EDI transmission and key entered the data from a shipper supplied document.

Comments:
01 B1001 is the carrier's PRO (invoice number) that identifies the shipment
02 B1003 is required when used in Transaction Set 214.

Notes: Required by the Motor Carrier Industry
If sub Bill of Lading numbers are used, the master Bill of Lading number would be identified in B1002. The sub Bill of Lading numbers would be identified in the L11 segment.

Example: B10*123456789X*A513186*SCAC*1

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier. YRC Freight's 10 position Pro number.	X/Z	AN	1/30
02	145	Shipment Identification Number Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; shipper's bill of lading number.	O	AN	1/30
03	140	Standard Carrier Alpha Code SCAC	M	ID	2/4
04	71	Inquiry Request Number Identifying number assigned by inquirer.	O	N0	1/3
05	128	Reference Identification Qualifier Code qualifying the Reference Identification. This element is not used by YRC Freight.	X	ID	2/3
06	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier. This element is not used by YRC Freight.	X	AN	1/30
07	1073	Yes/No Condition or Response Code Code indicating a Yes or No condition or response. Code Definition N No Y Yes This element is not used by YRC Freight.	O/Z	ID	1/1

L11 Business Instructions and Reference Number

Level: Header
Loop:
Usage: Optional
Max Use: 300
Purpose: To specify instructions in this business relationship or a reference number.

Syntax: 01 R0103 - At least one of L1101 or L1103 is required.
02 P0102 - If either L1101 or L1102 is present, then the other is required.

Comment: 01 This segment is used to supply reference numbers that pertain to all the shipments on the trailer.

Example: L11*123456*SO

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	127	Reference Identification Reference information as defined for a particular transaction set or as specified by the Reference Identification Qualifier.	X	AN	1/30
02	128	Reference Identification Qualifier Code qualifying the reference identification. Code Definition AI Associated Invoices BK Broker's Order Number BM Bill of Lading Number BN Booking Number CN Carrier's Reference Number (PRO/Invoice) CO Customer Order Number CR Customer Reference Number CS Condition of Sale Number LO Load Number MA Ship Notice/Manifest Number MB Master Bill of Lading Number OI Original Invoice Number PK Packing List Number PO Purchase Order Number RZ Returned Goods Authorization Number SI Shipper's Identifying Number for Shipment (SID) SO Shipper's Order (Invoice Number) TN Transaction Reference Number	X	ID	2/3
03	352	Description A free-form description to clarify the related data elements and their content. This element not used by YRC Freight.	X	AN	1/80

N1 Name

Level: Header
Loop: 0100
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code.

Syntax:
01 R0203 - At least one of N102 or N103 is required.
02 P0304 - If either N103 or N104 is present, then the other is required.

Comments:
01 This segment is used to transmit shipper, consignee, and other third party related information.
02 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
03 N105 and N106 further define the type of entity in N101.
04 The N103 and N104 (store #) can be sent if available in the data base.

Example: N1*CN*RETAILER*94*0222

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual. Code Definition CN Consignee N5 Party Who Signed the Delivery Receipt SF Ship From SH Shipper ST Ship To YE Third Party	M	ID	2/3
02	93	Name Free-form name.	X	AN	1/60
03	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (Element 67). Code Definition 7 Loading Dock 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix 12 Telephone Number (Phone) 25 Carrier's Customer Code 91 Assigned by Seller or Seller's Agent 92 Assigned by Buyer or Buyer's Agent 93 Code assigned by the organization originating the transaction set 94 Code assigned by the organization that is the ultimate destination of the transaction set	X	ID	1/2
04	67	Identification Code Code identifying a party or other code. Store number or Distribution Center number if set up in YRC Freight's data base.	X	AN	2/80
05	706	Entity Relationship Code Code describing entity relationship.	O	ID	2/2

06	98	Entity Identifier Code	O	ID	2/3

N2 Additional Name Information

Level: Header
Loop: 0100
Usage: Optional
Max Use: 1
Purpose: To specify additional names or those longer than 60 characters in length.

Example: N2*DOCK#4

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	93	Name Free-form name.	M	AN	1/60
02	93	Name Free-form name.	O	AN	1/60

N3 Address Information

Level: Header
Loop: 0100
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party.

Example: N3*ATTN: JOHN DOE*2777 SOUTH RIDGE ROAD

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	166	Address Information The address of the entity described in the N101.	M	AN	01/55
02	166	Address Information	O	AN	01/55

N4 Geographic Location

Level: Header
Loop: 0100
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party.

Syntax: 01 C0605 - If N406 is present, then N405 is required.

Comment: 01 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
02 N402 is required only if city name (N401) is in the U.S. or Canada.

Example: N4*LAKELAND*FL*33802

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	19	City Name Free-form text for city name.	O	AN	02/30
02	156	State/Province Code Code (Standard State/Province) as defined by appropriate government agency.	O	ID	02/02
03	116	Postal Code Code defining the international postal zone code excluding punctuation and blanks (zip code for United States).	O	ID	03/15
04	26	Country Code Code identifying the country if other than the United States.	O	ID	02/03
05	309	Location Qualifier Code identifying the type of location.	X	ID	01/02
06	310	Location Identifier Code which identifies a specific location.	O	AN	01/30

G61 Contact

Level: Header
Loop: 0100
Usage: Optional
Max Use: 1
Purpose: To identify a person or office to whom communications should be directed.

Syntax: 01 P0304 - if either G6103 or G6104 is present, then the other is required.

Comment: 01 G6103 qualifies G6104.

Example: G61*CA*JOHN DOE

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named. Code Definition CA Customer Contact Granting Appointment	M	ID	02/02
02	93	Name Free-form name.	M	AN	01/60
03	365	Communication Number Qualifier Code identifying the type of communication number. Code Definition TE Telephone This element is not used by YRC Freight.	X	ID	02/02
04	364	Communication Number Complete communications number including country or area code when applicable. This element is not used by YRC Freight.	X	AN	01/80
05	443	Contact Inquiry Reference Additional reference number or description to clarify a contact number. This element is not used by YRC Freight.	O	AN	01/20

G62 Date/Time

Level: Header
Loop: 0100
Usage: Optional
Max Use: 1
Purpose: To specify pertinent dates and times.

Syntax: 01 R0103 - At least one of G6201 or G6203 is required.
02 P0102 - If either G6201 or G6202 is present, then the other is required.
03 P0304 - If either G6203 or G6204 is present, then the other is required.

Example: G62*86*19980707

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	432	Date Qualifier Code specifying type of date. Code Definition 17 Estimated Delivery Date This is the estimated arrival date at the consignee's location. 86 Actual Pickup Date	M	ID	2/2
02	373	Date Date expressed as YYYYMMDD.	M	DT	8/8
03	176	Time Qualifier Code specifying the reported time. This element is not used by YRC Freight.	O	ID	1/2
04	337	Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99).	O	TM	4/8
05	623	Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow. See External Code Source 94 in Chapter IX of the ATA Guide for Reference Document. ET - Eastern time CT - Central time MT - Mountain time PT - Pacific time	O	ID	2/2

MS3 Interline Information

Level: Header
Loop:
Usage: Optional
Max Use: 12
Purpose: To identify the interline carrier and relevant data.

Syntax: 01 C0503 - If MS305 is present, then MS303 is required.

Semantic: 01 MS301 is the Standard Carrier Alpha Code (SCAC) of the interline carrier.
02 MS303 is the city where the interline was performed.

Example: MS3*SCAC*O*BOSTON*M*MA

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	140	Standard Carrier Alpha Code SCAC	M	ID	2/4
02	133	Routing Sequence Code Code describing the relationship of a carrier to a specific shipment movement. Code Definition 1 1st Carrier after Origin Carrier 2 2nd Carrier after Origin Carrier 3 3rd Carrier after Origin Carrier 4 4th Carrier after Origin Carrier O Origin Carrier (Air, Motor, or Ocean)		ID	1/2
03	19	City Name Free-form text for city name.	X/Z	AN	2/30
04	91	Transportation Method/Type Code Code specifying the method or type of transportation for the shipment. Code Definition A Air C Consolidation J Motor M Motor (Common Carrier) R Rail S Ocean U Private Parcel Service X Intermodal (Piggyback) CE Customer Pickup / Customer's Expense FL Motor (Flatbed) LT Less Than Trailer Load (LTL) MB Motor (Bulk Carrier) MP Motor (Package Carrier)	O	ID	1/2
05	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency.	O	ID	2/2

LX Assigned Number

Level: Header
Loop: 0200
Usage: Optional
Max Use: 1
Purpose: To reference a line number in a transaction set.

Comment: This segment is required if loop 0200 is used.

Example: LX*1

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	554	Assigned Number Number assigned for differentiation within a transaction set.	M	N0	1/6

AT7 Shipment Status Details

Level:	Header
Loop:	0205
Usage:	Optional
Max Use:	1
Purpose:	To specify the status of a shipment, the reason for that status, the date and time of the status and the date and time of any appointments scheduled.

Syntax:	01	E0103 - Only one of AT701 or AT703 may be present.
	02	P0102 - If either AT701 or AT702 is present, then the other is required.
	03	P0304 - If either AT703 or AT704 is present, then the other is required.
	04	C0605 - If AT706 is present, then AT705 is required.
	05	C0706 - If AT707 is present, then AT706 is required.
Semantic:	01	If AT701 is present, AT705 is the date the status occurred. If AT703 is present, AT705 is a date related to an appointment.
	02	If AT701 is present, AT706 is the time of the status. If AT703 is present, AT706 is the time of the appointment.
	03	If AT707 is not present, then AT706 represents local time of the status.

Example: AT7*AF*NS***19980701*00000000*ET

Ref. Des.	Data Element	Name	Attributes
01	1650	Shipment Status code Code indicating the status of a shipment.	X/Z ID 2/2

Code	Definition
A3	Shipment Returned to Shipper
A7	Refused by Consignee
A9	Shipment Damaged
AF	Carrier Departed Pick-up Location with Shipment
AG	Estimated Delivery
AH	Attempted Delivery
AI	Shipment has been Reconsigned
AJ	Tendered for Delivery
AM	Loaded on Truck
AN	Diverted to Air Carrier
AP	Delivery Not Completed
AR	Rail Arrival at Destination Intermodal Ramp
AV	Available for Delivery
B6	Estimated to Arrive at Carrier Terminal
BA	Connecting Line or Cartage Pick-up
BC	Storage in Transit
C1	Estimated to Depart Terminal Location
CA	Shipment Canceled
CD	Carrier Departed Delivery Location
CL	Trailer Closed Out
CP	Completed Loading at Pick-up Location
D1	Completed Unloading at Delivery Location
I1	In-Gate
J1	Delivered to Connecting Line
K1	Arrived at Customs
L1	Loading
OA	Out-Gate
OO	Paperwork Received-Did not Receive Shipment or Equipment
P1	Departed Terminal Location
PR	U.S. Customs Hold at In-Bond Location
R1	Received from Prior Carrier
RL	Rail Departure from Origin Intermodal Ramp
S1	Trailer Spotted at Consignee's Location
SD	Shipment Delayed
X1	Arrived at Delivery Location
X2	Estimated Date and/or Time of Arrival at Consignee's Location
X3	Arrived at Pick-up Location
X4	Arrived at Terminal Location
X5	Arrived at Delivery Location Loading Dock
X6	En Route to Delivery Location
X8	Arrived at Pick-up Location Loading Dock
XB	Shipment Acknowledged

NOTE: Shaded Codes are YRC Freight codes that can be sent.

02	1651	Shipment Status or Appointment Reason Code	X	ID	2/2

Code indicating the reason a shipment statusus of a shipment.
Status or appointment reason was transmitted.

Code	Definition
A1	Missed Delivery
A2	Incorrect Address
A3	Indirect Delivery
A5	Unable to Locate
A6	Address Corrected – Delivery Attempted
AA	Mis-sort
AD	Customer Requested Future Delivery
AE	Restricted Articles Unacceptable
AF	Accident
AG	Consignee Related
AH	Delivery Related
AI	Mechanical Breakdown
AJ	Other Carrier Related
AK	Damaged, Rewrapped in Hub
AL	Previous Stop
AM	Shipper Related
AN	Holiday - Closed
AO	Weather or Natural Disaster Related
AP	Awaiting Export
AQ	Recipient Unavailable – Delivery Delayed
AR	Improper International Paperwork
AS	Hold Due to Customs Documentation Problems
AT	Unable to Contact Recipient for Broker Information
AU	Civil Event Related Delay
AV	Exceeds Service Limitations
AW	Past Cut-Off Time
AX	Insufficient Pick-up Time
AY	Missed Pick-up
AZ	Alternate Carrier Delivered
B1	Consignee Closed
B2	Trap for Customer
B4	Held for Payment
B5	Held for Consignee
B8	Improper Unloading Facility or Equipment
B9	Receiving Time Restricted
BB	Held per Shipper
BC	Missing Documents
BD	Border Clearance
BE	Road Conditions
BF	Carrier Keying Error
BG	Other
BH	Insufficient Time to Complete Delivery
BI	Cartage Agent
BJ	Customer Wanted Earlier Delivery
BK	Prearranged Appointment
BL	Held for Protective Service

NOTE: Shaded Codes are YRC Freight codes that can be sent.

02	1651	BM	Flatcar Shortage	X	ID	2/2
		BN	Failed to Release Billing			
		BO	Railroad Failed to Meet Schedule			
		BP	Load Shifted			
		BQ	Shipment Overweight			
		BR	Train Derailment			
		BS	B01 Refused by Customer			
		BT	Returned to Shipper			
		C1	Waiting for Customer Pick-up			
		C2	Credit Hold			
		C3	Suspended at Customer Request			
		C4	Customer Vacation			
		C5	Customer Strike			
		C6	Waiting Shipping Instructions			
		C7	Waiting for Customer Specified Carrier			
		C8	Collect on Delivery Required			
		C9	Cash Not Available From Consignee			
		CA	Customs (Import or Export)			
		CB	No Requested Arrival Date Provided by Shipper			
		CC	No Requested Arrival Time Provided by Shipper			
		D1	Carrier Dispatch Error			
		D2	Driver Not Available			
		F1	Non-Express Clearance Delay			
		F2	International Non-carrier Delay			
		HB	Held Pending Appointment			
		NA	Normal Appointment			
		NS	Normal Status			
		P1	Processing Delay			
		P2	Waiting Inspection			
		P3	Production Falldown			
		P4	Held for Full Carrier Load			
		RC	Reconsigned			
		S1	Delivery Shortage			
		T1	Tractor With Sleeper Car Not Available			
		T2	Tractor, Conventional, Not Available			
		T3	Trailer Not Available			
		T4	Trailer Not Usable Due to Prior Product			
		T5	Trailer Class Not Available			
		T6	Trailer Volume Not Available			
		T7	Insufficient Delivery Time			

NOTE: Shaded Codes are YRC Freight codes that can be sent.

03	1652	Shipment Appointment Status Code Code indicating the status of an appointment to pick-up or Deliver a shipment.	X	ID	2/2

Code	Definition
AA	Pick-up Appointment Date and/or Time
AB	Delivery Appointment Date and/or Time
AC	Estimated Delivery Appointment Date and/or Time
ED	Deliver No Earlier Than Date and/or Time
EP	Pick-up No Earlier than Date and/or Time
LD	Deliver No Later Than Date and/or Time
LP	Pick-up No Later than Date and/or Time
X9	Delivery Appointment Secured on This Date and/or Time
XA	Pick-up Appointment Secured on This Date and/or Time

NOTE: Shaded Codes are YRC Freight codes that can be sent.

04	1651	Shipment Status or Appointment Reason Code	X	ID	2/2

Code indicating the reason a shipment status or appointment reason was transmitted.

Code	Definition
A1	Missed Delivery
A2	Incorrect Address
A3	Indirect Delivery
A5	Unable to Locate
A6	Address Corrected – Delivery Attempted
AA	Mis-sort
AD	Customer Requested Future Delivery
AE	Restricted Articles Unacceptable
AF	Accident
AG	Consignee Related
AH	Delivery Related
AI	Mechanical Breakdown
AJ	Other Carrier Related
AK	Damaged, Rewrapped in Hub
AL	Previous Stop
AM	Shipper Related
AN	Holiday - Closed
AO	Weather or Natural Disaster Related
AP	Awaiting Export
AQ	Recipient Unavailable – Delivery Delayed
AR	Improper International Paperwork
AS	Hold Due to Customs Documentation Problems
AT	Unable to Contact Recipient for Broker Information
AU	Civil Event Related Delay
AV	Exceeds Service Limitations
AW	Past Cut-Off Time
AX	Insufficient Pick-up Time
AY	Missed Pick-up
AZ	Alternate Carrier Delivered
B1	Consignee Closed
B2	Trap for Customer
B4	Held for Payment
B5	Held for Consignee
B8	Improper Unloading Facility or Equipment
B9	Receiving Time Restricted
BB	Held per Shipper
BC	Missing Documents
BD	Border Clearance
BE	Road Conditions
BF	Carrier Keying Error
BG	Other
BH	Insufficient Time to Complete Delivery
BI	Cartage Agent
BJ	Customer Wanted Earlier Delivery
BK	Prearranged Appointment
BL	Held for Protective Service

NOTE: Shaded Codes are YRC Freight codes that can be sent.

04	1651	BM	Flatcar Storage	X	ID	2/2
		BN	Failed to Release Billing			
		BO	Railroad Failed to Meet Schedule			
		BP	Load Shifted			
		BQ	Shipment Overweight			
		BR	Train Derailment			
		BS	B01 Refused by Customer			
		BT	Returned to Shipper			
		C1	Waiting for Customer Pick-up			
		C2	Credit Hold			
		C3	Suspended at Customer Request			
		C4	Customer Vacation			
		C5	Customer Strike			
		C6	Waiting Shipping Instructions			
		C7	Waiting for Customer Specified Carrier			
		C8	Collect on Delivery Required			
		C9	Cash Not Available From Consignee			
		CA	Customs (Import or Export)			
		CB	No Requested Arrival Date Provided by Shipper			
		CC	No Requested Arrival Time Provided by Shipper			
		D1	Carrier Dispatch Error			
		D2	Driver Not Available			
		F1	Non-Express Clearance Delay			
		F2	International Non-carrier Delay			
		HB	Held Pending Appointment			
		NA	Normal Appointment			
		NS	Normal Status			
		P1	Processing Delay			
		P2	Waiting Inspection			
		P3	Production Falldown			
		P4	Held for Full Carrier Load			
		RC	Reconsigned			
		S1	Delivery Shortage			
		T1	Tractor With Sleeper Car Not Available			
		T2	Tractor, Conventional, Not Available			
		T3	Trailer Not Available			
		T4	Trailer Not Usable Due to Prior Product			
		T5	Trailer Class Not Available			
		T6	Trailer Volume Not Available			
		T7	Insufficient Delivery Time			

NOTE: Shaded Codes are YRC Freight codes that can be sent.

05	373	Date Date expressed as YYYYMMDD.	X	DT	8/8
06	337	Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds ((00-59) and DD = decimal seconds; decimal seconds are expressed as follows; D = tenths (0-9) and DD = hundredths (00-99).	X	TM	4/8
07	623	Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or – and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and – are substituted by P and M in the codes that follow. See External Code Source 94 in Chapter IX of the ATA Guide for Reference Document. ET – Eastern time CT – Central time MT – Mountain time PT – Pacific time	O/Z	ID	2/2

MS1 Equipment, Shipment, or Real Property Location

Level: Header
Loop: 0205
Usage: Optional
Max Use: 1
Purpose: To specify the location of a piece of equipment, a shipment, or real property in terms of city and state or longitude and latitude.

Syntax:
01 L010203 - If MS101 is present, then at least one of MS102 or MS103 is required.
02 E0104 - only one of MS101 or MS104 may be present.
03 C0201 - If MS102 is present, then MS101 is required.
04 C0301 - If MS103 is present, then MS101 is required.
05 P0405 - If either MS104 or MS105 is present, then the other is required.
06 C0604 - If MS106 is present, then MS104 is required.
07 C0705 - If MS107 is present, then MS105 is required.

Semantic:
01 MS104 is the longitude expressed in Degrees, Minutes, and Seconds.
02 MS105 is the latitude expressed in Degrees, Minutes, and Seconds.
03 MS106 may only be “E” or “W”.
04 MS107 may only be “N” or “S”.

Example: MS1*TALLADEGA*AL

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	19	City Name Free-form text for city name.	X	AN	2/30
02	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency.	X	ID	2/2
03	26	Country Code Code identifying the country.	X	ID	2/3
04	1654	Longitude Code Code indicating the longitude in degrees (3 positions), minutes (2 positions), and seconds (2 positions). This element is not used by YRC Freight.	X/Z	ID	7/7
05	1655	Latitude Code Code indicating the latitude in degrees (3 positions), minutes (2 positions), and seconds (2 positions). This element is not used by YRC Freight.	X/Z	ID	7/7
06	1280	Direction Identifier Code Code identifying geographic direction. This element is not used by YRC Freight.	O/Z	ID	1/1
07	1280	Direction Identifier Code Code identifying geographic direction. This element is not used by YRC Freight.	O/Z	ID	1/1

MS2 Equipment or Container Owner and Type

Level: Header
Loop: 0205
Usage: Optional
Max Use: 1
Purpose: To Specify the owner, the identification number assigned by that owner, and the type of equipment.

Syntax: 01 P0102 - If either MS201 or MS202 is present, then the other is required.
02 C0402 - If MS204 is present, then MS202 is required.

Comment: 01 MS203 identifies the type for the equipment specified in the MS202.

Example: MS2*RDWY*724691

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	140	Standard Carrier Alpha Code SCAC	X	ID	2/4
02	207	Equipment Number Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred). YRC Freight's trailer number	X	AN	1/10
03	40	Equipment Description Code Code identifying type of equipment used for shipment. TL - Trailer (if not otherwise specified)	O	ID	2/2
04	761	Equipment Number Check Digit Number which designates the check digit applied to a piece of equipment. This element is not used by YRC Freight.	O	N0	1/1

L11 Business Instructions and Reference Number

Level: Header
Loop: 0200
Usage: Optional
Max Use: 10
Purpose: To specify instructions in this business relationship or a reference number.

Syntax: 01 R0103 - At least one of L1101 or L1103 is required.
02 P0102 - If either L1101 or L1102 is present, then the other is required.

Comment:

Example: L11*1027094163*IX

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	127	Reference Identification Reference information as defined for a particular transaction set or as specified by the Reference Identification Qualifier.	X	AN	1/30
02	128	Reference Identification Qualifier Code qualifying the Reference Identification. Code Definition BM BOL Number DJ Delivery Number BK Booking Number SI Shipment ID Number	X	ID	2/3
03	352	Description A free-form description to clarify the related data elements and their content.	X	AN	1/80

Q7 Lading Exception Code

Level: Header
Loop: 0200
Usage: Optional
Max Use: 10
Purpose: To specify the status of the shipment in terms of lading exception information.

Syntax: 01 C0203 - If Q702 is present, then Q703 is required.

Comment: 01 To specify the status of the shipment in terms of lading exception information.

Example: Q7*P*PCS*5

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	33	Lading Exception Code Code indicating the condition of the shipment. Code Definition A All Short D Damaged E Entire Shipment Refused O Overage P Partial Shipment W Wrong Product	M	ID	1/1
02	211	Packaging Form Code Code for packaging form of the lading quantity. Code Definition BAG Bag BBL Barrel BDL Bundle BIN Bin BOX Box CAG Cage CAN Can CAS Case CNT Container CRT Crate CTN Carton CYL Cylinder DBK Dry Bulk ENV Envelope GOH Garments on Hangers JAR Jar KEG Keg LBK Liquid Bulk PCS Pieces PKG Package PLT Pallet RCK Rack SKD Skid SLP Slip Sheet TBE Tube TRY Tray UNT Unit	O	ID	3/3

		VEH Vehicles WRP Wrapped			
03	80	Lading Quantity Number of units (pieces) of the lading commodity.	X	N0	1/7

AT8 Shipment Weight, Packaging and Quantity Data

Level: Header
Loop: 0200
Usage: Optional
Max Use: 10
Purpose: To specify shipment details in terms of weight, and quantity of handling units.

Syntax:
01 P010203 - If either AT801, AT802 or AT803 are present, then the others are required.
02 P0607 - If either AT806 or AT807 is present, then the other is required.

Semantic:
01 AT804 is the quantity of handling units that are not unitized (for example a carton). When added to the quantity in AT805, it is the total quantity of handling units in the shipment.
02 AT805 is the quantity of handling units that are unitized (for example on a pallet or slip sheet). When added to the quantity in AT804 it is the total quantity of handling units for the shipment.

Example: AT8*G*L*5000*7

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	152	Weight Qualifier Code Code defining the type of weight. Code Definition G Gross Weight N Actual Net Weight A3 Shippers Weight PA Pallet Weight	X	ID	1/2
02	188	Weight Unit Code Code specifying the weight unit. Code Definition K Kilograms L Pounds	X	ID	1/1
03	81	Weight Numeric value of weight.	X	R	1/10
04	80	Lading Quantity Number of units (pieces) of the lading commodity. Not Unitized.	O/Z	N0	1/7
05	80	Lading Quantity Number of units (pieces) of the lading commodity. Unitized	O/Z	N0	1/7
06	184	Volume Unit Qualifier Code identifying the volume unit. Code Definition E Cubic Feet G Gallons V Liter This element is not used by YRC Freight.	X	ID	1/1
07	183	Volume Value of Volumetric measure. This element is not used by YRC Freight.	X	R	1/8

SPO Shipment Purchase Order Detail

Level: Header
Loop: 0250
Usage: Optional
Max Use: 1
Purpose: To specify the purchase order details for a shipment.

Syntax:
01 P0304 - If either SPO03 or SPO04 is present, then the other is required.
02 P0506 - If either SPO05 or SPO06 is present, then the other is required.

Semantic:
01 SPO02 is the department number.
02 SPO04 is the total quantity for the purchase order.
03 SPO06 is the total weight for the purchase order.
04 SPO07 indicates the data error condition relative to the shipment management information.
05 SPO08 is used to specify sorting and/or segregating reference numbers for each receiving location (processing area).

Example: SPO*12345*12*PC*134

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser.	M	AN	1/22
02	127	Reference Identification Reference information as defined in the semantics above.	O/Z	AN	1/30
03	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken. Code Definition CT Carton PC Piece RA Rack	X	ID	2/2
04	380	Quantity Numeric value of quantity.	X/Z	R	1/15
05	188	Weight Unit Code Code specifying the weight unit. Code Definition K Kilograms L Pounds	X	ID	1/1
06	81	Weight Numeric value of weight.	X/Z	R	1/10
07	647	Application Error Condition Code Code indicating application error condition. Code Definition IDN Invalid Department Number IID Invalid Identification Code IQT Invalid Quantity IWT Invalid Weight MDN Missing Department Number MID Missing Identification Code MQT Missing Quantity MWT Missing Weight	O/Z	ID	1/3

		This element is not used by YRC Freight.			
08	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier. This element is not used by YRC Freight.	O/Z	AN	1/30

SE Transaction Set Trailer

Level: Header
Loop:
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments).

Comment: 01 SE is the last segment of each transaction set.

Example: SE*45*000010001

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	96	Number of Included Sets Total number of segments included in a transaction set including ST and SE segments.	M	N0	01/10
02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set.	M	AN	04/09