



3PL Systems, Inc.
EDI 214 Documentation

Version 4010



EDI 214 Documentation

Functional Group ID=**QM**

<u>Page No.</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
4	010	ST	Transaction Set Header	M	1		
5	020	B10	Beginning Segment for Transportation Carrier Shipment Status Message	M	1		
6	030	L11	Business Instructions and Reference Number	O	300		
Not Used	035	MAN	Marks and Numbers	O	9999		
Not Used	040	K1	Remarks	O	10		
LOOP ID - 0100						10	
7	050	N1	Name	O	1		
Not Used	060	N2	Additional Name Information	O	1		
8	070	N3	Address Information	O	2		
9	080	N4	Geographic Location	O	1		
Not Used	090	G61	Contact	O	1		
Not Used	100	G62	Date/Time	O	1		n1
Not Used	110	L11	Business Instructions and Reference Number	O	10		
Not Used	120	MS3	Interline Information	O	12		
LOOP ID - 0200						999999	
10	130	LX	Assigned Number	O	1		
LOOP ID - 0205						10	
11	140	AT7	Shipment Status Details	O	1		
Not Used	143	MS1	Equipment, Shipment, or Real Property Location	O	1		
Not Used	146	MS2	Equipment or Container Owner and Type	O	1		
Not Used	150	L11	Business Instructions and Reference Number	O	10		
Not Used	155	MAN	Marks and Numbers	O	9999		
Not Used	160	Q7	Lading Exception Code	O	10		
Not Used	170	K1	Remarks	O	10		
Not Used	180	AT5	Bill of Lading Handling Requirements	O	10		
13	200	AT8	Shipment Weight, Packaging and Quantity Data	O	10		
LOOP ID - 0210						999999	
Not Used	210	CD3	Carton (Package) Detail	O	1		n2
Not Used	220	L11	Business Instructions and Reference Number	O	20		
LOOP ID - 0215						10	
Not Used	230	AT7	Shipment Status Details	O	1		
Not Used	233	MS1	Equipment, Shipment, or Real Property Location	O	1		
Not Used	236	MS2	Equipment or Container Owner and Type	O	1		



Not Used	240	NM1	Individual or Organizational Name	O	1
Not Used	250	Q7	Lading Exception Code	O	10
Not Used	260	AT8	Shipment Weight, Packaging and Quantity Data	O	1
Not Used	265	MAN	Marks and Numbers	O	9999
LOOP ID - 0220					999999
Not Used	270	N1	Name	O	1
Not Used	280	N2	Additional Name Information	O	1
Not Used	290	N3	Address Information	O	3
Not Used	300	N4	Geographic Location	O	1
Not Used	310	L11	Business Instructions and Reference Number	O	10
LOOP ID - 0230					999999
Not Used	320	PRF	Purchase Order Reference	O	1
LOOP ID - 0231					999999
Not Used	330	N1	Name	O	1
Not Used	340	N2	Additional Name Information	O	1
Not Used	350	N3	Address Information	O	2
Not Used	360	N4	Geographic Location	O	1
Not Used	370	L11	Business Instructions and Reference Number	O	10
LOOP ID - 0233					999999
Not Used	380	CD3	Carton (Package) Detail	O	1
Not Used	390	L11	Business Instructions and Reference Number	O	20
LOOP ID - 0240					10
Not Used	400	AT7	Shipment Status Details	O	1
Not Used	402	MS1	Equipment, Shipment, or Real Property Location	O	1
Not Used	404	MS2	Equipment or Container Owner and Type	O	1
Not Used	405	MAN	Marks and Numbers	O	9999
LOOP ID - 0250					999999
Not Used	410	SPO	Shipment Purchase Order Detail	O	1
Not Used	420	SDQ	Destination Quantity	O	10
LOOP ID - 0260					>1
Not Used	423	EFI	Electronic Format Identification	O	1
Not Used	426	BIN	Binary Data	M	1
14	610	SE	Transaction Set Trailer	M	1



Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:

Data Element Summary

	<u>Ref. Des. Attributes</u>	<u>Data Element</u>	<u>Name</u>	
M	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set	M ID 3/3
M	ST02	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 4/9



Segment: B10 Beginning Segment for Transportation Carrier Shipment Status Message

Position: 020

Loop:

Level:

Usage: Mandatory

Max Use: 1

Purpose: To transmit identifying numbers and other basic data relating to the transaction set

- Syntax Notes:**
- 1 At least one of B1001 or B1006 is required.
 - 2 Only one of B1001 or B1005 may be present.
 - 3 If either B1005 or B1006 is present, then the other is required.

- Semantic Notes:**
- 1 B1001 is the carrier assigned reference number.
 - 2 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:**
- 1 B1001 is the carrier's PRO (invoice number) that identifies the shipment.
 - 2 B1003 is required when used in Transaction Set 214.
 - 3 B1006 is the carrier assigned bar code identification or another carrier assigned shipment identification, such as a manifest number.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>		
	<u>Des.</u>				
	<u>Attributes</u>				
	B1001	127	Reference Identification	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
	B1002	145	Shipment Identification Number	O	AN 1/30
			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; (Does not contain blanks or special characters)		
M	B1003	140	Standard Carrier Alpha Code	M	ID 2/4
			Standard Carrier Alpha Code		



Segment: **L11 Business Instructions and Reference Number**
Position: 030
Loop:
Level:
Usage: Optional
Max Use: 300
Purpose: To specify instructions in this business relationship or a reference number
Syntax Notes:

- 1 At least one of L1101 or L1103 is required.
- 2 If either L1101 or L1102 is present, then the other is required.

Semantic Notes:
Comments:

Data Element Summary

<u>Ref. Des. Attributes</u>	<u>Data Element</u>	<u>Name</u>		
L1101	127	Reference Identification	X	AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
L1102	128	Reference Identification Qualifier	X	ID 2/3
		Code qualifying the Reference Identification		
		PO Purchase Order Number		



Segment: N1 Name
Position: 050
Loop: 0100 Optional
Level:
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:

- 1 At least one of N102 or N103 is required.
- 2 If either N103 or N104 is present, then the other is required.

Semantic Notes:
Comments:

- 1 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.
- 2 N105 and N106 further define the type of entity in N101.

Data Element Summary

	<u>Ref. Des. Attributes</u>	<u>Data Element</u>	<u>Name</u>	
M	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual BT Bill-to-Party CN Consignee SH Shipper	M ID 2/3
	N102	93	Name Free-form name	X AN 1/60



Segment: N3 Address Information
Position: 070
Loop: 0100 Optional
Level:
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u> <u>Des.</u> <u>Attributes</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	
M	N301	166	Address Information Address information	M AN 1/55



Segment: N4 Geographic Location
Position: 080
Loop: 0100 Optional
Level:
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.
Semantic Notes:
Comments:

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

Data Element Summary

<u>Ref. Des. Attributes</u>	<u>Data Element</u>	<u>Name</u>	
N401	19	City Name Free-form text for city name	O AN 2/30
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O ID 3/15



Segment: LX Assigned Number
Position: 130
Loop: 0200 Optional
Level:
Usage: Optional
Max Use: 1
Purpose: To reference a line number in a transaction set
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u> <u>Des.</u> <u>Attributes</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	
M	LX01	554	Assigned Number Number assigned for differentiation within a transaction set	M N0 1/6



Segment: **AT7** Shipment Status Details

Position: 140
Loop: 0205 Optional

Level:
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 Notes:**
- 1 Only one of AT701 or AT703 may be present.
 - 2 If either AT701 or AT702 is present, then the other is required.
 - 3 If either AT703 or AT704 is present, then the other is required.
 - 4 If AT706 is present, then AT705 is required.
 - 5 If AT707 is present, then AT706 is required.

- Semantic Notes:**
- 1 If AT701 is present, AT705 is the date the status occurred. If AT703 is present, AT705 is a date related to an appointment. If AT701 is present, AT706 is the time of the status. If AT703 is present, AT706 is the time of the appointment.
 - 2 If AT707 is not present then AT706 represents local time of the status.

Comments:

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
Attributes				
AT701	1650	Shipment Status Code	X	ID 2/2
		Code indicating the status of a shipment		
		AF Carrier Departed Pick-up Location with Shipment		
		AG Estimated Delivery		
		AI Shipment has been Reconsigned		
		AV Available for Delivery		
		D1 Completed Unloading at Delivery Location		
		SD Shipment Delayed		
		X1 Arrived at Delivery Location		
AT702	1651	Shipment Status or Appointment Reason Code	X	ID 2/2
		Code indicating the reason a shipment status or appointment reason was transmitted		
		BS Refused by Customer		
		NS Normal Status		
AT703	1652	Shipment Appointment Status Code	X	ID 2/2
		Code indicating the status of an appointment to pick-up or deliver a shipment		
		AB Delivery Appointment Date and/or Time		
		X9 Delivery Appointment Secured on This Date and/or Time		
AT704	1651	Shipment Status or Appointment Reason Code	X	ID 2/2
		Code indicating the reason a shipment status or appointment reason was transmitted		
		NA Normal Appointment		
AT705	373	Date	X	DT 8/8
		Date expressed as CCYYMMDD		
AT706	337	Time	X	TM 4/8
		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)		
AT707	623	Time Code	O	ID 2/2



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

PT for Pacific Timezone



Segment: **AT8** Shipment Weight, Packaging and Quantity Data

Position: 200

Loop: 0200 Optional

Level:

Usage: Optional

Max Use: 10

Purpose: To specify shipment details in terms of weight, and quantity of handling units

Syntax Notes: 1 If any of AT801 AT802 or AT803 is present, then all are required.

2 If either AT806 or AT807 is present, then the other is required.

Semantic Notes: 1 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.

2 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.

Comments:

Data Element Summary

<u>Ref.</u> <u>Des.</u> <u>Attributes</u>	<u>Data</u> <u>Element</u>	<u>Name</u>		
AT801	187	Weight Qualifier Code defining the type of weight G Gross Weight	X	ID 1/2
AT802	188	Weight Unit Code Code specifying the weight unit L Pounds	X	ID 1/1
AT803	81	Weight Numeric value of weight	X	R 1/10
AT804	80	Lading Quantity Number of units (pieces) of the lading commodity	O	N0 1/7



Segment: **SE** Transaction Set Trailer
Position: 610
Loop:
Level:
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)

Syntax Notes:

Semantic Notes:

Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

	<u>Ref. Des. Attributes</u>	<u>Data Element</u>	<u>Name</u>	
M	SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
M	SE02	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 4/9