Army and Air Force Exchange Service

753 Request for Routing Instructions

Functional Group ID=RF

Introduction:

This X12 Transaction Set contains the format and establishes the data contents of the Request for Routing Instructions Transaction Set (753) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set can be used to request routing instructions and provide general information about merchandise that is ready to be shipped.

Heading:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
2	0100	ST	Transaction Set Header	M	1		
3	0200	BGN	Beginning Segment	M	1		
Not Used	0300	PER	Administrative Communications Contact	O	1		
			LOOP ID - 0100			1	
4	0400	N1	Party Identification	M	1		n1
Not Used	0500	N2	Additional Name Information	O	1		
Not Used	0600	N3	Party Location	O	2		
Not Used	0700	N4	Geographic Location	O	1		

Detail:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
5	0100	LX	Transaction Set Line Number	M	1		
			LOOP ID - 0200			1	
6	0200	N1	Party Identification	M	1		n2
Not Used	0300	N2	Additional Name Information	O	1		
Not Used	0400	N3	Party Location	O	2		
Not Used	0500	N4	Geographic Location	O	1		
7	0600	L11	Business Instructions and Reference Number	M	1		
8	0700	G62	Date/Time	M	1		
Not Used	0800	USI	Unitized Shipment Information	O	1		
			LOOP ID - 0210			1	
9	0900	OID	Order Information Detail	M	1		n3
10	1000	CMC	Commodity Classification	M	1		
11	1100	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. One iteration of the N1 segment must be used to identify the ship-from location.
2. One iteration of the N1 segment must be used to identify the ship-to location.
3. The 0210 loop is used to specify the quantities ready to ship for each purchase order.

Segment:	**ST** **Transaction Set Header**	
Position:	0100	
Loop:		
Level:	Heading	
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).
	2	The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition. When used, this implementation convention reference takes precedence over the implementation reference specified in the GS08.
Comments:		
Business Rules:	Variable Name: STST	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	ST01	143	**Transaction Set Identifier Code**	M	1	ID 3/3
			Code uniquely identifying a Transaction Set			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
M	ST02	329	**Transaction Set Control Number**	M	1	AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set			

Segment:	**BGN** Beginning Segment			
Position:	0200			
Loop:				
Level:	Heading			
Usage:	Mandatory			
Max Use:	1			
Purpose:	To indicate the beginning of a transaction set			
Syntax Notes:	1	If BGN05 is present, then BGN04 is required.		
Semantic Notes:	1	BGN02 is the transaction set reference number.		
	2	BGN03 is the transaction set date.		
	3	BGN04 is the transaction set time.		
	4	BGN05 is the transaction set time qualifier.		
	5	BGN06 is the transaction set reference number of a previously sent transaction affected by the current transaction.		
Comments:				

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	BGN01	353	**Transaction Set Purpose Code**	M 1 ID 2/2
			Code identifying purpose of transaction set	
			00 Original	
			01 Cancellation	
			02 Add	
M	BGN02	127	**Reference Identification**	M 1 AN 1/50
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
M	BGN03	373	**Date**	M 1 DT 8/8
			Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	
M	BGN04	337	**Time**	M 1 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)	

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Segment:	**N1** Party Identification
Position:	0400
Loop:	0100 Mandatory
Level:	Heading
Usage:	Mandatory
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

	Ref. Des.	Data Element	Name	Attributes		
M	N101	98	Entity Identifier Code	M	1	ID 2/3

Code identifying an organizational entity, a physical location, property or an individual

   SF   Ship From

	N102	93	Name	O	1	AN 1/60

Free-form name

M	N103	66	Identification Code Qualifier	M	1	ID 1/2

Code designating the system/method of code structure used for Identification Code (67)

   92   Assigned by Buyer or Buyer's Agent

M	N104	67	Identification Code	M	1	R 8/8

Code identifying a party or other code

Must be an eight digit vendor code.
*The vendor code must always match the PO (REF*IA) that you are requesting routing instructions.*

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Segment:	**LX** Transaction Set Line Number		
Position:	0100		
Loop:			
Level:	Detail		
Usage:	Mandatory		
Max Use:	1		
Purpose:	To reference a line number in a transaction set		
Syntax Notes:			
Semantic Notes:			
Comments:			

Data Element Summary

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

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Segment:	**N1** Party Identification			

Position: 0200
Loop: 0200   Mandatory
Level: Detail
Usage: Mandatory
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

	Ref. Des.	Data Element	Name		Attributes	
M	N101	98	**Entity Identifier Code**	M	1	**ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual			
			ST Ship To			
	N102	93	**Name**	O	1	**AN 1/60**
			Free-form name			
M	N103	66	**Identification Code Qualifier**	M	1	**ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)			
			92 Assigned by Buyer or Buyer's Agent			
M	N104	67	**Identification Code**	M	1	**R 7/7**
			Code identifying a party or other code			
			The facility should always match the PO and must be seven digits.			

Segment:	**L11** Business Instructions and Reference Number				
Position:	0600				
Loop:	0200	Mandatory			
Level:	Detail				
Usage:	Mandatory				
Max Use:	1				
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:	1	L1104 contains data relating to the qualifier cited in L1102.			
	2	L1105 indicates if the reference numbers included in this transmission were transmitted to the carrier in electronic format or key entered by the carrier. A "Y" indicates the carrier utilized the electronic shipper supplied reference information to create this document. A "N" indicates the carrier key entered the reference information from a shipper supplied document.			
Comments:					

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	L1101	127	**Reference Identification**	M	1	**AN 1/21**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
M	L1102	128	**Reference Identification Qualifier**	M	1	**ID 2/3**
			Code qualifying the Reference Identification			
			RRC Routing Request Control Number			

<table>
<tr><td align="right">**Segment:**</td><td>**G62** Date/Time</td></tr>
<tr><td align="right">**Position:**</td><td>0700</td></tr>
<tr><td align="right">**Loop:**</td><td>0200   Mandatory</td></tr>
<tr><td align="right">**Level:**</td><td>Detail</td></tr>
<tr><td align="right">**Usage:**</td><td>Mandatory</td></tr>
<tr><td align="right">**Max Use:**</td><td>1</td></tr>
<tr><td align="right">**Purpose:**</td><td>To specify pertinent dates and times</td></tr>
<tr><td align="right">**Syntax Notes:**</td><td>1   At least one of G6201 or G6203 is required.</td></tr>
<tr><td></td><td>2   If either G6201 or G6202 is present, then the other is required.</td></tr>
<tr><td></td><td>3   If either G6203 or G6204 is present, then the other is required.</td></tr>
<tr><td align="right">**Semantic Notes:**</td><td></td></tr>
<tr><td align="right">**Comments:**</td><td></td></tr>
</table>

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	G6201	432	**Date Qualifier**	M	1	ID 2/2
			Code specifying type of date			
			RS Ready to Ship			
M	G6202	373	**Date**	M	1	DT 8/8
			Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year			
M	G6203	176	**Time Qualifier**	M	1	ID 1/2
			Code specifying the reported time			
			I Earliest Requested Pickup Time			
			K Latest Requested Pickup Time			
M	G6204	337	**Time**	M	1	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)			

Segment:	# OID Order Information Detail				
Position:	0900				
Loop:	0210 Mandatory				
Level:	Detail				
Usage:	Mandatory				
Max Use:	1				
Purpose:	To specify order information detail				

Syntax Notes:
1   At least one of OID01 or OID02 is required.
2   If OID03 is present, then OID02 is required.
3   If either OID04 or OID05 is present, then the other is required.
4   If either OID06 or OID07 is present, then the other is required.
5   If either OID08 or OID09 is present, then the other is required.

Semantic Notes:
1   OID01 is the seller's order identification number.
2   OID03 is the number assigned by the consignee to further define the purchase order number.
3   OID11 specifies the sorting and/or segregating number for each receiving location (processing area).

Comments:

Notes: *Our internal application, OTM, will multiply carton, piece or pallet count by the weight and volume to determine the value. Therefore, please only release PO once by sending the total cartons, pieces, or pallets per PO and the average weight and cube per each carton, pieces, or pallet.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes		
M	OID01	127	**Reference Identification**	M	1	R 1/10	
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
			Must be a unique number, but when you are updating a 753 please use the number (OID01) from the original 753 sent.				
M	OID02	324	**Purchase Order Number**	M	1	R 10/10	
			Identifying number for Purchase Order assigned by the orderer/purchaser				
			Must be a ten digit PO number. *Only release order once.*				
M	OID04	211	**Packaging Form Code (Transport Handling Unit)**	M	1	ID 3/3	
			Code for packaging form of the lading quantity				
			How freight is packaged for transportation.				
			CTN Carton				
			PCS Pieces				
			PLT Pallet				
M	OID05	380	**Quantity**	M	1	R 1/15	
			Numeric value of quantity				
M	OID06	188	**Weight Unit Code**	M	1	ID 1/1	
			Code specifying the weight unit				
			L Pounds				
M	OID07	81	**Weight**	M	1	R 1/10	
			Numeric value of weight				
			The average weight of each transport handling unit.				
M	OID08	184	**Volume Unit Qualifier**	M	1	ID 1/1	
			Code identifying the volume unit				
			E Cubic Feet				
M	OID09	183	**Volume**	M	1	R 1/8	
			Value of volumetric measure				
			The average volume of each transport handling unit.				

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Segment:	**CMC** Commodity Classification			
Position:	1000			
Loop:	0210	Mandatory		
Level:	Detail			
Usage:	Mandatory			
Max Use:	1			
Purpose:	To specify freight commodity code and freight classification			
Syntax Notes:				
Semantic Notes:	**1**	CMC01 is the National Motor Freight Classification Commodity Code.		
	2	CMC02 is the Freight Class Code published in the National Motor Freight Classification.		
Comments:				
Notes:	*Must match the commodity code from the PO (850) in question.*			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	CMC01	22	**Commodity Code**	M 1 AN 1/30
			Code describing a commodity or group of commodities	

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	Segment:	**SE** Transaction Set Trailer
	Position:	1100
	Loop:	
	Level:	Detail
	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

	Ref. Des.	Data Element	Name	Attributes		
M	SE01	96	**Number of Included Segments**	M	1	N0 1/10
			Total number of segments included in a transaction set including ST and SE segments			
M	SE02	329	**Transaction Set Control Number**	M	1	AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set			