Army and Air Force Exchange Service

754 Routing Instructions

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Functional Group ID=**RG**

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Introduction:

This X12 Transaction Set contains the format and establishes the data contents of the Routing Instructions Transaction Set (754) for use within the context of an Electronic Data Interchange (EDI) environment.   This transaction set is used to communicate routing instructions to a supplier for a specific shipment.   It can be used also to respond to a Request for Routing Instructions Transaction Set (753).

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		
4	0300	PER	Administrative Communications Contact	M	5		
			LOOP ID - 0100			5	
5	0400	N1	Party Identification	M	1		n1
Not Used	0500	N2	Additional Name Information	O	1		
6	0600	N3	Party Location	M	2		
7	0700	N4	Geographic Location	M	1		

Detail:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - 0200			9999	
8	0100	LX	Transaction Set Line Number	M	1		
9	0200	L11	Business Instructions and Reference Number	M	5		
10	0300	BLR	Transportation Carrier Identification	M	1		
Not Used	0350	SMD	Consolidated Shipment Manifest Data	O	5		
11	0400	OID	Order Information Detail	M	>1		
12	0500	G62	Date/Time	M	2		
13	0600	MSI	Multi-stop Shipment Information	M	1		
			LOOP ID - 0210			25	
14	0700	QTY	Quantity Information	M	1		
Not Used	0800	AT9	Trailer or Container Dimension and Weight	O	1		
			LOOP ID - 0220			>1	
15	0900	N1	Party Identification	M	1		
Not Used	1000	N2	Additional Name Information	O	1		
16	1100	N3	Party Location	M	2		
17	1200	N4	Geographic Location	M	1		
18	1300	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.

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			
			Reference ID matches the Shipment ID Number (B204) from the 204 tender.			
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)			
M	BGN07	640	**Transaction Type Code**	M	1	ID 2/2
			Code specifying the type of transaction			
			RJ Response to Request for Routing Instructions			

Segment:	**PER** Administrative Communications Contact
Position:	0300
Loop:	
Level:	Heading
Usage:	Mandatory
Max Use:	5
Purpose:	To identify a person or office to whom administrative communications should be directed
Syntax Notes:	1 If either PER03 or PER04 is present, then the other is required.
	2 If either PER05 or PER06 is present, then the other is required.
	3 If either PER07 or PER08 is present, then the other is required.
Semantic Notes:	
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	PER01	366	**Contact Function Code**	M	1	**ID 2/2**
			Code identifying the major duty or responsibility of the person or group named			
			AA Authorized Representative			
M	PER02	93	**Name**	M	1	**AN 1/60**
			Free-form name			
M	PER03	365	**Communication Number Qualifier**	M	1	**ID 2/2**
			Code identifying the type of communication number			
			EM Electronic Mail			
M	PER04	364	**Communication Number**	M	1	**AN 1/256**
			Complete communications number including country or area code when applicable			

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			
M	N102	93	**Name**	M	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	AN 2/80
			Code identifying a party or other code			
			Must be an eight digit vendor code.			

Segment: **N3** **Party Location**
Position: 0600
Loop: 0100 Mandatory
Level: Heading
Usage: Mandatory
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	N301	166	**Address Information**	M	1	AN 1/55
			Address information			
	N302	166	**Address Information**	O	1	AN 1/55
			Address information			

Segment:	**N4** **Geographic Location**	
Position:	0700	
Loop:	0100	Mandatory
Level:	Heading	
Usage:	Mandatory	
Max Use:	1	
Purpose:	To specify the geographic place of the named party	
Syntax Notes:	1	Only one of N402 or N407 may be present.
	2	If N406 is present, then N405 is required.
	3	If N407 is present, then N404 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

	Ref. Des.	Data Element	Name	Attributes		
M	**N401**	**19**	**City Name**	M	1	**AN 2/30**
			Free-form text for city name			
M	**N402**	**156**	**State or Province Code**	M	1	**ID 2/2**
			Code (Standard State/Province) as defined by appropriate government agency			
M	**N403**	**116**	**Postal Code**	M	1	**ID 3/15**
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)			
M	**N404**	**26**	**Country Code**	M	1	**ID 2/3**
			Code identifying the country			

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	Segment:	**LX** Transaction Set Line Number
	Position:	0100
	Loop:	0200 Mandatory
	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	

Segment:	**L11** Business Instructions and Reference Number		
Position:	0200		
Loop:	0200	Mandatory	
Level:	Detail		
Usage:	Mandatory		
Max Use:	5		
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 1/50**
			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			

Segment:	**BLR** Transportation Carrier Identification	
Position:	0300	
Loop:	0200	Mandatory
Level:	Detail	
Usage:	Mandatory	
Max Use:	1	
Purpose:	To transmit the identifying SCAC code and effective date and time for the data in the transaction set	
Syntax Notes:	1	If BLR03 is present, then BLR02 is required.
Semantic Notes:	1	BLR02 is the effective date of the data in this transaction set.
	2	BLR03 is the effective time of the data in this transaction set.
Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	**BLR01**	**140**	**Standard Carrier Alpha Code**	M	1	ID 4/4
			Standard Carrier Alpha Code			

Segment:		**OID** Order Information Detail				

Position:	0400
Loop:	0200 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:	

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	OID02	324	**Purchase Order Number**	M	1	**AN 1/22**
			Identifying number for Purchase Order assigned by the orderer/purchaser			
M	OID03	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	OID04	211	**Packaging Form Code**	M	1	**ID 3/3**
			Code for packaging form of the lading quantity			
			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			
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			

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Segment: **G62** Date/Time

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Position:	0500	
Loop:	0200	Mandatory
Level:	Detail	
Usage:	Mandatory	
Max Use:	2	
Purpose:	To specify pertinent dates and times	
Syntax Notes:	1	At least one of G6201 or G6203 is required.
	2	If either G6201 or G6202 is present, then the other is required.
	3	If either G6203 or G6204 is present, then the other is required.
Semantic Notes:		
Comments:		

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Data Element Summary

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	Ref. Des.	Data Element	Name			Attributes
M	**G6201**	**432**	**Date Qualifier**	M	1	**ID 2/2**

Code specifying type of date

10		Requested Ship Date/Pickup Date
54		Deliver No Later Than Date

	Ref. Des.	Data Element	Name			Attributes
M	**G6202**	**373**	**Date**	M	1	**DT 8/8**

Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

	Ref. Des.	Data Element	Name			Attributes
M	**G6203**	**176**	**Time Qualifier**	M	1	**ID 1/2**

Code specifying the reported time

U		Scheduled Pickup Time

	Ref. Des.	Data Element	Name			Attributes
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:	**MSI** Multi-stop Shipment Information
Position:	0600
Loop:	0200 Mandatory
Level:	Detail
Usage:	Mandatory
Max Use:	1
Purpose:	To specify multi-stop shipment information
Syntax Notes:	
Semantic Notes:	1 MSI01 identifies whether the shipment is a multi-stop shipment. A "Y" indicates the shipment is a multi-stop shipment; an "N" indicates the shipment is not a multi-stop shipment.
Comments:	1 When MSI01 contains code Y, MSI02 will contain the stop sequence number.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	MSI01	1073	**Yes/No Condition or Response Code**	M	1	ID 1/1
			Code indicating a Yes or No condition or response			
			N No			
			Y Yes			
M	MSI02	165	**Stop Sequence Number**	M	1	N0 1/3
			Identifying number for the specific stop and the sequence in which the stop is to be performed			

Segment:	**QTY** Quantity Information		
Position:	0700		
Loop:	0210	Mandatory	
Level:	Detail		
Usage:	Mandatory		
Max Use:	1		
Purpose:	To specify quantity information		
Syntax Notes:	**1**	At least one of QTY02 or QTY04 is required.	
	2	Only one of QTY02 or QTY04 may be present.	
Semantic Notes:	**1**	QTY04 is used when the quantity is non-numeric.	
Comments:			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	**QTY01**	**673**	**Quantity Qualifier**	**M**	**1**	**ID 2/2**
			Code specifying the type of quantity			
			T5 Total Number of Units			
M	**QTY02**	**380**	**Quantity**	**M**	**1**	**R 1/15**
			Numeric value of quantity			

Segment:	**N1** Party Identification		
Position:	0900		
Loop:	0220	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			
M	N102	93	**Name**	M	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	AN 2/80
			Code identifying a party or other code			
			Must be a seven digit facility number.			

Segment:	**N3** **Party Location**			
Position:	1100			
Loop:	0220	Mandatory		
Level:	Detail			
Usage:	Mandatory			
Max Use:	2			
Purpose:	To specify the location of the named party			
Syntax Notes:				
Semantic Notes:				
Comments:				

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	N301	166	**Address Information**	M	1	AN 1/55
			Address information			
	N302	166	**Address Information**	O	1	AN 1/55
			Address information			

Segment:	**N4** Geographic Location		
Position:	1200		
Loop:	0220	Mandatory	
Level:	Detail		
Usage:	Mandatory		
Max Use:	1		
Purpose:	To specify the geographic place of the named party		
Syntax Notes:	1	Only one of N402 or N407 may be present.	
	2	If N406 is present, then N405 is required.	
	3	If N407 is present, then N404 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

	Ref. Des.	Data Element	Name	Attributes		
M	N401	19	**City Name**	M	1	**AN 2/30**
			Free-form text for city name			
M	N402	156	**State or Province Code**	M	1	**ID 2/2**
			Code (Standard State/Province) as defined by appropriate government agency			
M	N403	116	**Postal Code**	M	1	**ID 3/15**
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)			
M	N404	26	**Country Code**	M	1	**ID 2/3**
			Code identifying the country			

Segment:	**SE** Transaction Set Trailer		
Position:	1300		
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	