Army and Air Force Exchange Service
754 Routing Instructions

Functional Group ID=RG

Introduction:

This Draft Standard for Trial Use 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).

Notes:

This document identifies the AAFES business requirements for Routing Instructions. Segments not required by standards, but required by AAFES, are marked "RECOMMENDED". All elements marked with "R" are required by AAFES. All elements marked "M" are mandatory by the standards. All unmarked elements may be transmitted as necessary in their respective segments.

Heading:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
3	0100	ST	Transaction Set Header	M	1		
4	0200	BGN	Beginning Segment	M	1		
5	0300	PER	Administrative Communications Contact	O	5		
			LOOP ID - 0100			5	
6	0400	N1	Name	M	1		n1
Not Used	0500	N2	Additional Name Information	O	1		
7	0600	N3	Address Information	O	2		
8	0700	N4	Geographic Location	O	1		

Detail:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - 0200			9999	
9	0100	LX	Assigned Number	M	1		
10	0200	L11	Business Instructions and Reference Number	O	5		
11	0300	BLR	Transportation Carrier Identification	O	1		
12	0400	OID	Order Identification Detail	O	>1		
14	0500	G62	Date/Time	O	2		
15	0600	MSI	Multi-stop Shipment Information	O	1		
			LOOP ID - 0210			25	
16	0700	QTY	Quantity	O	1		
Not Used	0800	AT9	Trailer or Container Dimension and Weight	O	1		
			LOOP ID - 0220			1	
17	0900	N1	Name	O	1		
Not Used	1000	N2	Additional Name Information	O	1		
18	1100	N3	Address Information	O	2		
19	1200	N4	Geographic Location	O	1		
20	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.

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		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.
		Comments:	

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		
			754 Routing Instructions		
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		

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	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			
			Date transaction set is generated.			
R	BGN04	337	**Time**	X	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)			
			Time transaction set is generated.			
R	BGN07	640	**Transaction Type Code**	O	1	ID 2/2
			Code specifying the type of transaction			
			AAFES will always send BGN07			
			RJ Response to Request for Routing Instructions			

Segment:	**PER** Administrative Communications Contact		
Position:	0300		
Loop:			
Level:	Heading		
Usage:	Optional (Recommended)		
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			
	PER02	93	**Name**	O	1	AN 1/60
			Free-form name			
R	PER03	365	**Communication Number Qualifier**	X	1	ID 2/2
			Code identifying the type of communication number			
			EM Electronic Mail			
			FX Facsimile			
			TE Telephone			
R	PER04	364	**Communication Number**	X	1	AN 1/256
			Complete communications number including country or area code when applicable			

Segment:	**N1** Name			
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**	X	1	**AN 1/60**
			Free-form name			
	N103	66	**Identification Code Qualifier**	X	1	**ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)			
			9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix			
	N104	67	**Identification Code**	X	1	**AN 2/80**
			Code identifying a party or other code			

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	Segment:	**N3** **Address Information**

Position: 0600
Loop: 0100 Mandatory
Level: Heading
Usage: Optional (Recommended)
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:	Optional (Recommended)	
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		
R	**N401**	19	**City Name**	O	1	**AN 2/30**
			Free-form text for city name			
R	**N402**	156	**State or Province Code**	X	1	**ID 2/2**
			Code (Standard State/Province) as defined by appropriate government agency			
R	**N403**	116	**Postal Code**	O	1	**ID 3/15**
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)			
	N404	26	**Country Code**	X	1	**ID 2/3**
			Code identifying the country			

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Segment:	$\text{\textbf{LX}}$ **Assigned 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:	Optional (Recommended)
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:	
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
R	L1101	127	**Reference Identification**	X	1	AN 1/50
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
R	L1102	128	**Reference Identification Qualifier**	X	1	ID 2/3
			Code qualifying the Reference Identification			
			PUA Pick Up Appointment Number			
			RRC Routing Request Control Number			
	L1103	352	**Description**	X	1	AN 1/80
			A free-form description to clarify the related data elements and their content			

Segment:	**BLR** Transportation Carrier Identification		
Position:	0300		
Loop:	0200	Mandatory	
Level:	Detail		
Usage:	Optional (Recommended)		
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 2/4
			Standard Carrier Alpha Code	

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	Segment:	**OID** Order Identification Detail

Position: 0400
Loop: 0200   Mandatory
Level: Detail
Usage: Optional (Recommended)
Max Use: >1
Purpose: To specify order identification 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		
	OID01	127	**Reference Identification**	X	1 AN 1/50
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
R	OID02	324	**Purchase Order Number**	X	1 AN 1/22
			Identifying number for Purchase Order assigned by the orderer/purchaser		
			AAFES PO Number		
	OID03	127	**Reference Identification**	O	1 AN 1/50
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
R	OID04	211	**Packaging Form Code**	X	1 ID 3/3
			Code for packaging form of the lading quantity		
			PCS Pieces		
R	OID05	380	**Quantity**	X	1 R 1/15
			Numeric value of quantity		
R	OID06	188	**Weight Unit Code**	X	1 ID 1/1
			Code specifying the weight unit		
			L Pounds		
R	OID07	81	**Weight**	X	1 R 1/10
			Numeric value of weight		
	OID08	184	**Volume Unit Qualifier**	X	1 ID 1/1
			Code identifying the volume unit		
			E Cubic Feet		
	OID09	183	**Volume**	X	1 R 1/8
			Value of volumetric measure		
	OID10	647	**Application Error Condition Code**	O	1 ID 1/3
			Code indicating application error condition		
			This element will be sent, if the 753 is rejected.		
			009 Invalid Date		
			Code 009 will be sent if the Ship Date is Late or Ship Date is Early or Ship Date is After the Delivery Date.		
			POI Purchase Order Number Invalid		
			Code POI will be sent if the Purchase Order Number is		

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<table>
<tr><td align="right">**Segment:**</td><td>**G62** Date/Time</td></tr>
<tr><td align="right">**Position:**</td><td>0500</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>Optional (Recommended)</td></tr>
<tr><td align="right">**Max Use:**</td><td>2</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		
R	G6201	432	**Date Qualifier**	X	1	ID 2/2

Code specifying type of date

37	Ship Not Before Date
38	Ship Not Later Than Date
53	Deliver Not Before Date
54	Deliver No Later Than Date
69	Scheduled Pick-Up Date

	Ref. Des.	Data Element	Name	Attributes		
R	G6202	373	**Date**	X	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		
R	G6203	176	**Time Qualifier**	X	1	ID 1/2

Code specifying the reported time

U	Scheduled Pick Up Time

	Ref. Des.	Data Element	Name	Attributes		
R	G6204	337	**Time**	X	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:	Optional (Recommended)				
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			
	MSI02	165	**Stop Sequence Number**	O	1	N0 1/3
			Identifying number for the specific stop and the sequence in which the stop is to be performed			

Segment:	QTY Quantity			
Position:	0700			
Loop:	0210	Optional (Recommended)		
Level:	Detail			
Usage:	Optional (Recommended)			
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		
R	**QTY02**	**380**	**Quantity**	**X**	**1 R 1/15**
			Numeric value of quantity		

Segment:	**N1** Name		
Position:	0900		
Loop:	0220	Optional (Recommended)	
Level:	Detail		
Usage:	Optional (Recommended)		
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**	X	1	AN 1/60
			Free-form name			
R	N103	66	**Identification Code Qualifier**	X	1	ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)			
			9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix			
			92 Assigned by Buyer or Buyer's Agent			
R	N104	67	**Identification Code**	X	1	AN 2/80
			Code identifying a party or other code			

	Segment:	**N3** Address Information
	Position:	1100
	Loop:	0220 Optional (Recommended)
	Level:	Detail
	Usage:	Optional (Recommended)
	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 Optional (Recommended)
	Level:	Detail
	Usage:	Optional (Recommended)
	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		
R	**N401**	19	**City Name**	O	1	**AN 2/30**
			Free-form text for city name			
R	**N402**	156	**State or Province Code**	X	1	**ID 2/2**
			Code (Standard State/Province) as defined by appropriate government agency			
R	**N403**	116	**Postal Code**	O	1	**ID 3/15**
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)			
R	**N404**	26	**Country Code**	X	1	**ID 2/3**
			Code identifying the country			

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	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	