

EDI 754 (Routing Instructions) Function Group = RG

This 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 vendor for a specific shipment. It can be used to respond to a Request for Routing Instructions Transaction Set (753).

Standard EDI 754 Segment Layout (ANSI X12)

Below is the standard baseline structure for an X12 EDI 754 transaction. *Note: The exact requirement (M = Mandatory, O = Optional) .*

Header Data

Segment	Name	Req	Max Use	Description
ST	Transaction Set Header	M	1	To indicate the start of a transaction set and to assign a control number
BGN	Beginning Segment	M	1	To indicate the beginning of a transaction set
PER	Administrative Contact	M	1	To identify a person or office to whom administrative communications should be directed
N1	N1 Loop	M	1	N1 Loop

N1	Name	M	1	To identify a party by type of organization, name, and code
N3	Address Information	M	1	To specify the location of the named party
N4	Geographic Location	M	1	To specify the geographic place of the named party

Detail Data (Routing & Order Info)

The detail section is typically driven by the **LX** (Assigned Number) loop, which groups the shipment details, followed by the **OID** (Order Identification) loop to tie the physical freight to specific POs

Segment	Name	Req	Max Use	Description
LX	Assigned Number (Loop)	M	9999	LX Loop
LX	Assigned Number	M	1	To reference a line number in a transaction set
L11	Business Instructions and Reference Numbers	M	5	To specify instructions in this business relationship or a reference number
BLR	Transportation Carrier Identification	M	1	To transmit the identifying SCAC code and effective date and time for the data in the transaction set
OID	Order Identification Detail	M	>1	To specify order identification detail
G62	Date/Time	M	2	To specify pertinent dates and times
MSI	Multi-stop Shipment Information	O	1	To specify multi-stop shipment information

QTY	Quantity Loop	M	25	QTY Loop
QTY	Quantity	M	1	To specify quantity information
N1	Name (Loop)	M	1	To identify a party by type of organization, name, and code
N1	Name	M	1	To identify a party by type of organization, name, and code
N3	Address Information	M	1	To specify the location of the named party
N4	Geographic Location	M	1	To specify the geographic place of the named party

Summary Data

Segment	Name	Req	Max Use	Description
SE	Transaction Set Trailer	M	1	Indicates the end of the transaction set and provides a segment count.
GE	Functional Group Trailer	M	1	To define the end of a functional group of related transaction sets.
IEA	Interchange Control Trailer	M	1	To define the end of an interchange of one or more functional groups and interchange related control.

BGN - Beginning Segment

BSN01	Transaction Set Purpose Code	M	2/2	00-Original Cancellation 04-Change Replace 01- 02-Add 05-
BSN02	Reference Identification	M	1/50	Reference information as defined for a particular Transaction Set
BSN03	Date	M	8/8	Date expressed as CCYYMMDD/ISO format
BGN04	Time	M	4/8	Time expressed in 24-hour time

PER - Administrative Communications Contact

PER01	Contact Function Code	M	2/2	IC - Information Contact
PER02	Name	M	1/60	Free-form name
PER03	Communication Number Qualifier	M	2/2	EM - Electronic Mail
PER04	Communication Number	M	1/80	Complete communications number including country or area code when applicable

N1 - Header Loop

N1 - Name

N101	Entity Identifier Code	M	2/2	SF - Ship From CA - Carrier BT - Bill To
N102	Name	M	1/60	Free-form name
N103	Identification Code Qualifier	M	2/2	92 - Assigned by Buyer
N104	Identification Code	M	1/256	Code identifying a party or other code.

N1 - Header Loop

N3 - Address Information

N301	Address information	M	1/55	Address information
N302	Address information	0	1/55	Address information

N1 - Header Loop

N4 - Geographic Location

N401	City Name	M	2/30	Free-form text for city name
N402	State or Province Code	M	2/2	Address information
N403	Postal Code	M	3/15	Code defining international postal zone code excluding punctuation and blanks (zip code for United States)
N404	Country Code	O	2/3	Code identifying the country

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LX - Detail Loop

LX - Assigned Number

LX01	Assigned Number	M	1/6	Assigned Number
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LX Detail Loop

L11 - Business Instructions and Reference Number

Mandatory

L1101	Reference Identification	M	1/50	Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier
L1102	Reference Identification Qualifier	M	2/2	PUA - Pick Up Appointment Number LO - Load Number QY - Service Preformed Code RRC - Routing Request Control Number

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LX Detail Loop

BLR - Transportation Carrier Identification

BLR01	Standard Carrier Alpha Code	M	2/4	Standard SCAC Code
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LX Detail Loop

OID - Order Identification Detail

Mandatory

OID01	Reference Identification	M	1/50	Requestor's order identification number
OID02	Purchase Order Number	M	1/22	Retailer's purchase order number
OID03	Reference Identification	O	1/50	Retailer's department number
OID04	Packaging Form Code	M	3/3	CTN - Carton PCS - Pieces PLT - Pallet
OID05	Quantity	M	1/15	Numeric value of quantity
OID06	Weight Unit Code	M	1/1	L - Pounds
OID07	Weight	M	1/10	Numeric value of weight
OID08	Volume Unit Qualifier	M	1/1	E - Cubic Feet
OID09	Volume	M	1/8	Value of volumetric measure

LX Detail Loop

G62 - Date/Time

Mandatory

G6201	Date Qualifier	M	2/2	77 - Pickup Appointment Scheduled Date
G6202	Date	M	8/8	Earliest Pick Date in CCYYMMDD/ISO format
G6203	Time Qualifier	M	2/2	U - Scheduled Pickup Time
G6204	Time	M	4/8	HHmmss format (24 hour time)

LX Detail Loop

MSI - Multi-stop Shipment Information

Mandatory

MSI02	Yes or No Condition	M	1/1	Y - Yes N - No
MSI02	Stop Sequence Number	M	1/3	Identifying number for the specific stop and the sequence in which the stop is to be performed

N1 Loop - LX Detail Loop

N1 - Name

Mandatory

N101	Entity Identifier Code	M	2/3	ST - Ship To
N102	Name	M	1/60	Free-form name
N103	Identification Code Qualifier	M	1/2	92 - Assigned by Buyer
N104	Identification Code	M	1/80	Crate's DC Number

N1 Loop - LX Detail Loop

N3 - Address Information

Mandatory

N301	Address Information	M	1/55	Address Information
N302	Address Information	O	1/55	Address Information

N1 Loop - LX Detail Loop

N4 - Geographic Location

Mandatory

N401	City Name	M	2/30	Free-form text for city name
N402	State or Province Code	M	2/2	Code (Standard State/Province) as defined by appropriate government agency
N403	Postal Code	M	3/15	Code defining international postal zone code excluding punctuation and blanks (zip code for United States)
N404	Country Code	O	1/3	Code identifying the country

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ISA^00^          ^00^          ^ZZ^09026079AB      ^12^8472722888      ^260305^2141^U^00401^000001731^0^P^|~
GS^RG^09026079AB^CRATEDOMES^20260305^2141^1575^X^004010~
ST^754^15750001~
BGN^00^999999999^20260305^080101~
PER^IC^Jim Kirk^TE^201-555-1212^EM^jkirk@crateandbarrel.com^FX^201-555-1010~
N1^SF^CrateVendor-001^92^12312~
N3^123 Main St~
N4^Chicago^IL^888888^US~
LX^0001~
L11^PUA^0101012~
L11^LO^0987654321~
L11^RRC^768594~
BLR^SCAC~
OID^1234567890^6999999^CTN^100^L^1000^E^250~
G62^77^20260330^U^210000~
MSI^Y~1~
QTY^YU^1000^
AT9^1110^8^8^G^L^999^E^699~
N1^ST^Crate DC-9999^92^0011~
N3^123 Long St~
N4^Chicago^IL^888888^US~
LX^0002~
L11^PUA^1101012~
L11^LO^1987654321~
L11^RRC^1768594~
BLR^SCAC~
OID^1234567891^7999999^CTN^1000^L^10000^E^2500~
G62^77^20260330^U^210000~
MSI^Y~2~
QTY^YU^999^
AT9^1110^18^18^G^L^1999^E^1699~
N1^ST^Crate DC-9999^92^0011~
N3^123 Long St~
N4^Chicago^IL^888888^US~
SE^33^15750001~
GE^1^1575~
IEA^1^000001731~
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