



ANSI ASC X12
Load Tender (204)
Version 004010

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Dear YRC Freight Customer:

Thank you for your interest in trading electronic load tenders with YRC Freight. This is the 204 Load Tender implementation guide you requested. We look forward to working with you to implement the EDI transaction set 204. If you have any questions about the 204 or any other EDI issues please feel free to contact EDIhelp@yrcfreight.com.

Preface

Purpose and Scope

The purpose of this guide is to provide YRC Freight trading partners the necessary information to create and transmit Load Tenders, using EDI, to YRC Freight. The material presented here covers the 204 transaction set of Version 004 Release 010 of the ANSI ASC X12 standard. YRC Freight can accept transaction sets from earlier versions and other standards. Contact YRC Freight for information on the other standards and versions supported. ***Although the standards say that the 204 should not be used by less-than-truckload carriers for pickup notification and load tendering, YRC Freight is allowing the use of the 4010 204 so that trading partners will not have to design new systems around the 216 transaction set.***

American National Standards Institute Accredited Standards Committee X12

YRC Freight uses ANSI ASC X12 standard-format transaction sets for the exchange of electronic documents with its EDI trading partners.

YRC Freight is a leader in the use of EDI in the transportation industry and firmly supports the use of ANSI ASC X12 standards in EDI trading-partner relationships. The use of such standards cultivates a common language between trading partners and expedites EDI setup. A well-developed EDI system provides numerous possibilities for expanding the business relationship.

204 Load Tender Data Requirements

- Each EDI Document will represent one pickup request.
- The Load Tender must be deployed in a business environment that allows for all freight to be picked up (no rejected pickups).
- Shipment ID Number (SID) / Load number
- Ship-From Location (Address, City, State, ZIP)
- Total Handling Units
- Total Weight
- Requested Pickup Date
- Pickup Contact Information (Name, Phone Number)

Additional 204 Load Tender Data Requirements

- Time that Dock Closes
- Time that Freight is available
- Ship-To Location
- Hazardous Information

The Structure of an Electronic Transmission

An EDI transmission consists of one or more “envelopes,” which identify the sender and receiver of the transaction set. ISA and IEA segments mark the beginning and the end of an envelope, respectively. In the envelope, the transactions sets are organized into one or more functional groups bounded by a GS and a GE segment. Figure 1 illustrates the format of an EDI transmission.

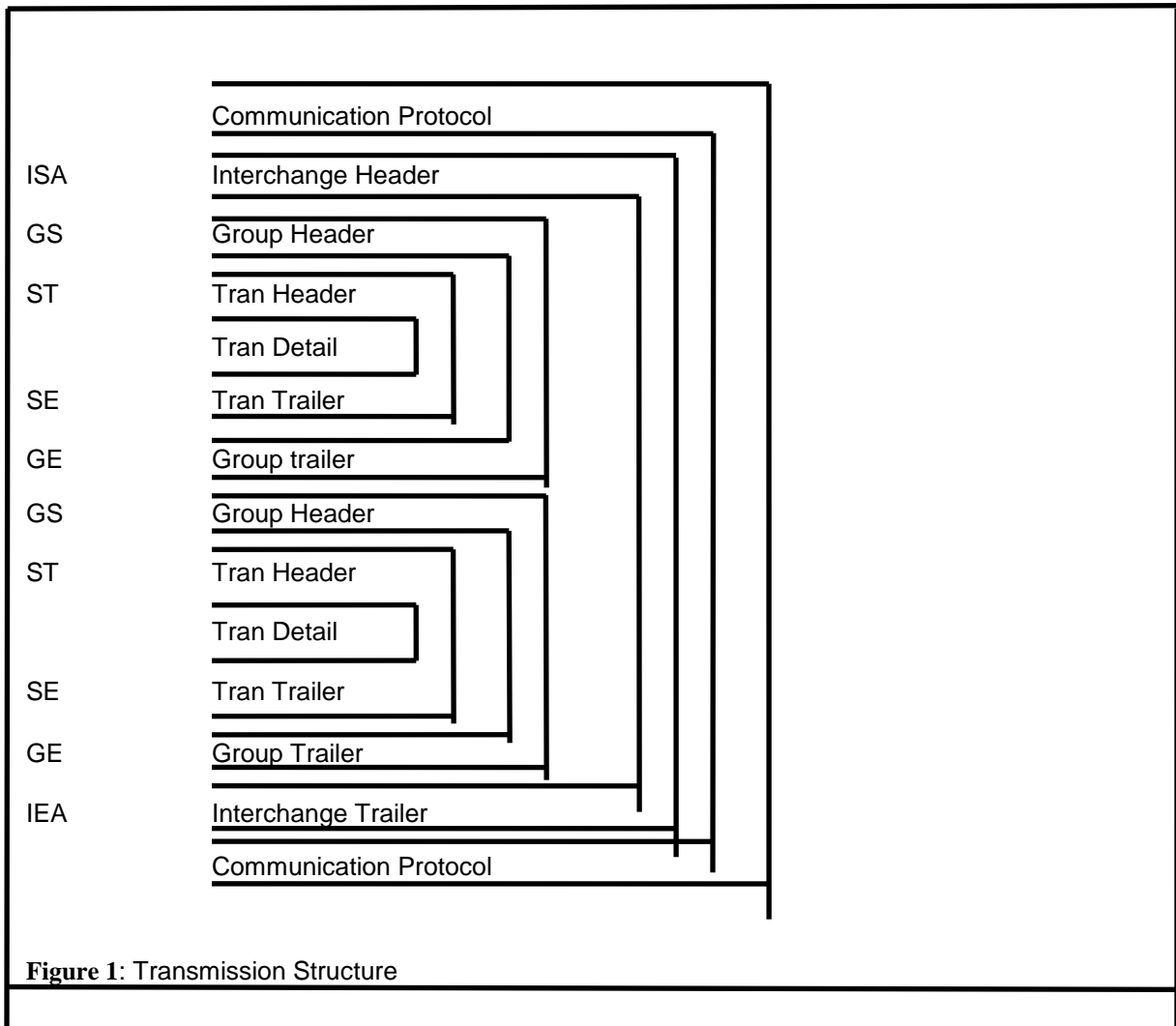
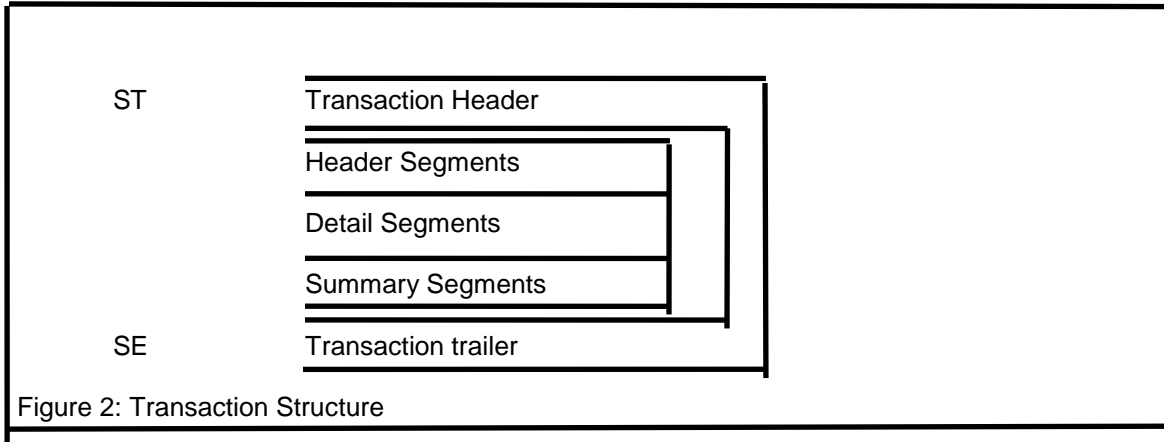


Figure 1: Transmission Structure

Transaction Structure

EDI transaction sets consist of a group of segments (records) arranged in a specific order. Most transactions have header-level segments and detail-level segments. Repeated sets of segments, referred to as loops, may also be included. Each segment begins with a segment identifier and ends with a segment terminator. The segment terminator is a special character agreed on by sender and receiver to define the end of a segment. The most commonly used segment terminator is the hexadecimal '15'. Data elements (fields) in a segment are delimited by an element separator. The element separator is a special character agreed on by sender and receiver. The most commonly used element separator is an asterisk (*), a hexadecimal '5C'.



Notation Conventions

Segment Requirements

- (M) MANDATORY: The segment must be transmitted.
- (O) OPTIONAL: The segment may be transmitted if so desired.

Element Requirements

- (M) MANDATORY: The data element must be transmitted.
- (O) OPTIONAL: The data element may be transmitted if so desired.
- (X) RELATIONAL: The data element's existence or absence is related to the existence or absence of another data element. The relationship is explained by a note after the segment definition. There could also be an alphabetic code to explain the relational condition.
- (C) CONDITIONAL: The data element must be transmitted under certain conditions.
- (P) PAIRED or MULTIPLE: If any element is transmitted, then all must be transmitted.
- (R) REQUIRED: At least one of the data elements specified must be transmitted.
- (E) EXCLUSION: Not more than one of the data elements specified can be transmitted.
- (L) LIST CONDITIONAL: If the first data element specified is transmitted, then at least one of the others must be transmitted. Any or all elements not specified as the first may be transmitted with the first data element.
- Each data element has a minimum and maximum length requirement.
- In a mandatory numeric data element, the minimum characters, as defined in the data dictionary, must be transmitted even if the value is zero.

Data Types

- AN: Alphanumeric data elements containing the numerals 0–9, the characters A–Z and any special characters except asterisk (*), the greater-than sign (>) and the characters with a hexadecimal value of '40' or less. These characters are control characters and should not be used for data. The contents are left-justified. Trailing spaces should be suppressed unless necessary to satisfy the minimum length requirement.
- R: (Real) numeric data containing the numerals 0–9 and a decimal point in the proper position. The decimal point is optional for integer values but required for fractional values. A leading + or - sign may be used. The minus sign must be used for negative values.
- Nn: Numeric data, containing the numerals 0–9, and an implied decimal point. The 'N' indicates that the element contains a numeric value and the 'n' indicates the number of decimal places to the right of the implied decimal point. The actual decimal point is not transmitted. A leading + or - sign may be used. The minus sign must be used for negative values. Leading zeroes should be suppressed unless they are necessary to satisfy the minimum number of digits required by the data element specification. For a data element defined as N4 with a minimum length of 4, the value 0.0001 would be transmitted as '0001'. For an N4 data element with the minimum length of 1, the value 0.0001 would be transmitted '1'.
- ID: A data element identifier from a pre-defined list of values maintained by ASC X12.
- DT: Numeric date in the form CCYYMMDD.
- TM: Numeric time in the form HHMM. Time is represented in 24-hour clock format.

Data Element Reference Number

The Data Element Reference Number is a unique identifier used to help find data-element definitions in the applicable standards manual.

Transaction Set 204

Header Segments

Seg ID	Description	Req.	Max Use	Loop ID	Max Loops
ST	Transaction Set Header	M	1		
B2	Beginning Segment	M	1		
B2A	Set Purpose	O	1		
L11	Reference Numbers	O	50		

Detail Segments

Seg ID	Description	Req.	Max Use	Loop ID	Max Loops
S5	Stop-Off Details	M	1	0300	999
G62	Date/Time	O	10	0300	
AT8	Shipment Weight, Packaging and Quantity Data	O	1	0300	
NTE	Note/Special Instruction	O	20	0300	
N1	Name	O	1	0310	2
N2	Additional Name Information	O	1	0310	
N3	Address Information	O	2	0310	
N4	Geographic Location	O	1	0310	
G61	Contact	O	3	0310	

Summary Segments

Seg ID	Description	Req.	Max Use	Loop ID	Max Loops
L3	Total Weight and Charges	M	1		
SE	Transaction Set Trailer	M	1		

Example 204 Load Tender

ST*204*000000001
B2**RDWY**123456789**PP
B2A*00*LT
L11*123456*CO
L11*1234567890*BM
S5*1*LD
G62*69*20130930*U*1300
AT8*G*L*119*6**E*27
NTE*SPH*HAZARDOUS
N1*SH*SHIPPER NAME
N2*ADDITIONAL NAME
N3*STREET ADDRESS*ADDRESS LINE 2
N4*CITY*STATE*ZIP*COUNTRY
G61*EC*NAME*TE*PHONE NUMBER
S5*2*CU
G62*68*20131003*Z*1300
N1*CN*CONSIGNEE NAME
N2*ADDITIONAL NAME
N3*STREET ADDRESS*ADDRESS LINE 2
N4*CITY*STATE*ZIP*COUNTRY
L3*119*G*****27*E*6
SE*21*000000001

Segment Definitions

ISA Interchange Control Header

ELE	REF	DESCRIPTION	TY	LNTH	REQ	COMMENT
ISA01	I01	Authorization Info Qualifier	ID	02/02	M	"00" - No authorization info
ISA02	I02	Authorization Information	AN	10/10	M	Spaces
ISA03	I03	Security Information Qualifier	ID	02/02	M	"00" - No security info
ISA04	I04	Security Information	AN	10/10	M	Spaces
ISA05	I05	Interchange ID Qualifier	ID	02/02	M	01 - Duns number 12 - Telephone number ZZ - Mutually Defined
ISA06	I06	Interchange Sender ID	AN	15/15	M	Sender's unique ID
ISA07	I05	Interchange ID Qualifier	ID	02/02	M	02 - SCAC
ISA08	I07	Interchange Receiver ID	AN	15/15	M	"RDWY"
ISA09	I08	Interchange Date	DT	06/06	M	Creation date (YYMMDD)
ISA10	I09	Interchange Time	TM	04/04	M	Creation time (HHMM)
ISA11	I10	Interchange Control ID	ID	01/01	M	"U" - USA
ISA12	I11	Interchange Version ID	ID	05/05	M	"00400" or "00401"
ISA13	I12	Interchange Control Number	N0	09/09	M	Must match IEA02
ISA14	I13	Acknowledgment Requested	ID	01/01	M	"0" or "1"
ISA15	I14	Test Indicator	ID	01/01	M	"P" - Production "T" - Test
ISA16	I15	Subelement Separator	AN	01/01	M	Must be different than element separator

IEA Interchange Control Trailer

ELE	REF	DESCRIPTION	TY	LNTH	REQ	COMMENT
IEA01	I16	Number of Included Functional Groups	N0	01/05	M	Number of GS segments between ISA and IEA
IEA02	I12	Interchange Control Number	N0	09/09	M	Must match ISA13

GS Functional Group Header

ELE	REF	DESCRIPTION	TY	LNTH	REQ	COMMENT
GS01	479	Function Group ID	ID	02/02	M	
GS02	142	Application Sender ID	AN	02/15	M	Usually DUN's number
GS03	124	Application Receiver ID	AN	02/15	M	"RDWY"
GS04	29	Interchange Date	DT	08/08	M	Date group generated
GS05	30	Interchange Time	TM	04/08	M	Time group generated
GS06	28	Group Control Number	NO	01/09	M	
GS07	455	Responsible Agency Code	ID	01/02	M	Always "X"
GS08	480	Standards Version	AN	01/12	M	

GE Control Trailer

ELE	REF	DESCRIPTION	TY	LNTH	REQ	COMMENT
GE01	97	Number of Included sets	NO	01/06	M	
GE02	28	Group Control Number	NO	01/09	M	Must match GS06

ST Starting Segment

ELE	REF	DESCRIPTION	TY	LNTH	REQ	COMMENT
ST01	143	Transaction Set ID	ID	03/03	M	
ST02	329	Transaction Set Control Number	AN	04/09	M	Unique transaction number

SE Transaction Set Trailer

ELE	REF	DESCRIPTION	TY	LNTH	REQ	COMMENT
SE01	96	Number of Included Segments	NO	01/10	M	
SE02	329	Transaction Set Control Number.	AN	04/09	M	Must match ST02

B2 Beginning Segment for 204 Transaction

ELE	REF	DESCRIPTION	TY	LNTH	REQ	COMMENT
B201	375	Tariff Service Code	ID	02/02	O	
B202	140	Standard Carrier Alpha Code	ID	02/04	O	RDWY
B203	154	Standard Point Location Code	ID	06/09	O	
B204	145	Shipment ID Number (SID)	AN	01/30	O	Customer-visible Shipment Id
B205	188	Weight Unit Qualifier	ID	01/01	O	
B206	146	Shipment Method of Payment	ID	02/02	M	"PP" - Prepaid "CC" - Collect "TP" - Third Party
B207	147	Shipment Qualifier	ID	01/01	O	
B208	86	Total Equipment	N0	01/03	O	
B209	460	Shipment Weight Code	ID	01/01	O	
B210	501	Customs Document Handling Code	ID	02/02	O	
B211	335	Transportation Terms Code	ID	03/03	O	
B212	591	Payment Method Code	ID	03/03	O	

Notes:

- B202 contains the SCAC of the carrier that will receive the load tender.
- Only one of B204 or B205 may be present.

B2A Set Purpose

ELE	REF	DESCRIPTION	TY	LNTH	REQ	COMMENT
B2A01	353	Transaction Set Purpose	ID	02/02	M	"00" - Original "01" - Cancellation "04" - Update
B2A02	346	Application Type	ID	02/02	O	"LT" - Load Tender

L11 Reference Numbers

ELE	REF	DESCRIPTION	TY	LNTH	REQ	COMMENT
L1101	127	Reference Identification	AN	01/30	C	Reference number
L1102	128	Reference Identification Qualifier	AN	02/03	C	Code qualifying the reference identification
L1103	352	Description	AN	01/80	C	Free-form description

Notes:

- If either L1101 or L1102 is present, then the other is required.

S5 Stop Off Details

ELE	REF	DESCRIPTION	TY	LNTH	REQ	COMMENT
S501	165	Stop Sequence Number	N0	01/02	M	
S502	163	Stop Reason Code	ID	02/02	M	
S503	81	Weight	R	01/10	X	
S504	188	Weight Unit Qualifier	ID	01/01	X	
S505	382	Number of Units Shipped	R	01/10	X	
S506	355	Unit of Measure Code	ID	02/02	X	
S507	183	Volume	R	01/08	X	
S508	184	Volume Unit Qualifier	ID	01/01	X	
S509	352	Description	AN	01/80	O	
S510	154	Standard. Point Location Code	ID	06/09	O	
S511	190	Accomplish Code	ID	01/01	O	

Notes:

- If either S503 or S504 is present, then the other is required.
- If either S505 or S506 is present, then the other is required.
- If either S507 or S508 is present, then the other is required.
- S509 is the stop-reason description.

G62 Date/Time

ELE	REF	DESCRIPTION	TY	LNTH	REQ	COMMENT
G6201	432	Date Qualifier	ID	02/02	X	
G6202	373	Date	DT	06/06	X	
G6203	176	Time Qualifier	ID	01/02	X	
G6204	337	Time	TM	04/08	X	
G6205	623	Time Code	ID	02/02	O	
G6206	624	Century	NO	02/02	O	

Notes:

- At least G6201 or G6203 is required.
- If either G6201 or G6202 is present, then the other is required.
- If either G6203 or G6204 is present, then the other is required.

AT8 Shipment Weight, Packaging and Quantity Data

ELE	REF	DESCRIPTION	TY	LNTH	REQ	COMMENT
AT801	187	Weight Qualifier	ID	1/2	X	
AT802	188	Weight Unit Code	ID	1/1	X	
AT803	81	Weight	R	1/10	X	
AT804	80	Lading Quantity	N0	1/7	O/Z	
AT805	80	Lading Quantity	N0	1/7	O/Z	
AT806	184	Volume Unit Qualifier	ID	1/1	X	
AT807	183	Volume	R	1/8	X	

Notes:

- If either the AT801, AT802 or AT803 are present, then the others are required.
- If either AT806 or AT807 is present, then the other is required.
- 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.
- 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.

NTE Note/Special Instruction

ELE	REF	DESCRIPTION	TY	LNTH	REQ	COMMENT
NTE01	363	Note Reference Code	ID	3/3	O	
NTE02	352	Description	AN	1/80	M	

Notes:

- YRC Freight uses the NTE segment to identify hazardous material shipments.

N1 Name

ELE	REF	DESCRIPTION	TY	LNTH	REQ	COMMENT
N101	98	Entity Identifier Code	ID	02/02	M	
N102	93	Name	AN	01/35	X	
N103	66	Identification Code Qualifier	ID	01/02	X	
N104	67	Identification Code	AN	02/20	X	
N105	706	Entity Relationship Code	ID	02/02	O	
N106	98	Entity Identifier Code	ID	02/02	O	

Notes:

- At least one of N102 or N103 is required.
- If N103 or N104 is present, then the other is required.
- This segment, used alone, is 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 party processing the transaction.
- N105 and N106 further define the type of entity in N101.

N2 Additional Name Information

ELE	REF	DESCRIPTION	TY	LNTH	REQ	COMMENT
N201	93	Name	AN	01/35	M	
N202	93	Name	AN	01/35	O	

N3 Address Information

ELE	REF	DESCRIPTION	TY	LNTH	REQ	COMMENT
N301	166	Address Information	AN	01/35	M	Street address
N302	166	Address Information	AN	01/35	O	

N4 Geographic Location

ELE	REF	DESCRIPTION	TY	LNTH	REQ	COMMENT
N401	19	City Name	AN	02/30	O	
N402	156	State/Province Code	ID	02/02	O	
N403	116	Postal Code	ID	05/11	O	
N404	26	Country Code	ID	02/03	O	
N405	309	Location Qualifier	ID	01/02	X	
N406	310	Location Identifier	AN	01/30	O	

Notes:

- N401 through N403 is required.
- If N104 is blank, 'USA' is assumed.
- If N405 or N406 is present, then the other is required.

G61 Contact

ELE	REF	DESCRIPTION	TY	LNTH	REQ	COMMENT
G6101	366	Contact Function Code	ID	02/02	M	
G6102	93	Name	AN	01/35	M	
G6103	365	Communication Number Qualifier	ID	02/02	X	
G6104	364	Communication Number	AN	01/80	X	
G6105	443	Contact Inquiry Reference	AN	01/20	O	

Notes

- If either G6103 or G6104 is present, then the other is required.
- G6103 qualifies G6104.

L3 Total Weight and Charges

ELE	REF	DESCRIPTION	TY	LNTH	REQ	COMMENT
L301	81	Weight	R	01/10	M	Total weight
L302	187	Weight Qualifier	ID	01/02	X	
L303	60	Freight Rate	R	01/09	X	
L304	122	Rate/Value Qualifier	ID	02/02	X	
L305	58	Charge	N2	01/09	O	
L306	191	Advances	N2	01/09	O	
L307	117	Prepaid Amount	N2	01/09	O	
L308	150	Special Charge/Allowance Code	ID	03/03	O	
L309	183	Volume	R	01/08	X	
L310	184	Volume Unit Qualifier	ID	01/01	X	
L311	80	Lading Quantity	N0	01/07	M	Total pieces
L312	188	Weight Unit Code	ID	01/01	O	
L313	171	Tariff Number	AN	01/07	O	
L314	74	Declared Value	N2	02/10	X	
L315	122	Rate/Value Qualifier	ID	02/02	X	

Notes:

- If either L301 or L302 is present, then the other is required.
- If either L303 or L304 is present, then the other is required.
- L305 is the total charges.
- If either L309 or L310 is present, then the other is required.
- If L312 is present, then L301 is required.
- If either L314 or L315 is present, then the other is required.