# *TL Carrier Integration Guide*

## EDI Guidelines and Specifications:

## 204$_{v3}$ | 990$_{v2}$ | 214$_{v2}$ | 210$_{v2}$

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**TRAFFIX**

# Introduction

TRAFFIX provides full-service, asset-based third-party logistics solutions anywhere in North America by delivering inbound and outbound freight reliably, anytime and anywhere, with convenient freight-matching services that comply with the highest industry standards of safety and accountability.  We partner with agents across North America and continually push to innovate our logistics process, investing in technology, expanding our capacity, and improving the TRAFFIX' customer experience at every turn.

TRAFFIX offers to its partners flexible integration options in standard formats through secure transfer protocols.  This document outlines TRAFFIX' specifications for transportation motor carrier messages following EDI X12 standards, v4010.  For integration with other messages formats or languages, please reach out to TRAFFIX EDI Support.

# Contact Information

TRAFFIX integration is supported with a dedicated during and after integration and can be reached at edi@TRAFFIX.com.

For support with the web portal contact edi@TRAFFIX.com.

# Document Changes

At any time, TRAFFIX can add, change, or delete any of the information in this guide. You will be provided with updates as they occur. TRAFFIX will provide reasonable written notice of changes—no less than 14 days. Please make sure that you use the most current version of this guide.

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# General Description

This document provides detailed descriptions of implementation and support procedures for SFTPbased communication with TRAFFIX.  TRAFFIX utilizes the industry-standard sFTP mechanism for secure file transfers in order to exchange data with its business partners. To facilitate establishing this exchange mechanism, TRAFFIX sets up a sFTP site and prefers a push/pull model where all files are hosted on the TRAFFIX sFTP site.  However, if a partner hosted site can be accommodated, if necessary.

This document does not cover API Integrations.  Please select API when completing the Carrier Onboarding Form to be directed to the appropriate workflow.  If unable to integrate with us, TRAFFIX has a secure web site that carriers may log into to perform Load Tenders, Status updates, PODs, and Invoices.  A Web User Guide will be provided to carriers that select "Web User" as the Integration Type on the Carrier Onboarding Form.

# General Requirements

This document provides information for exchanging the following standard transportation-related EDI data sets with TRAFFIX.
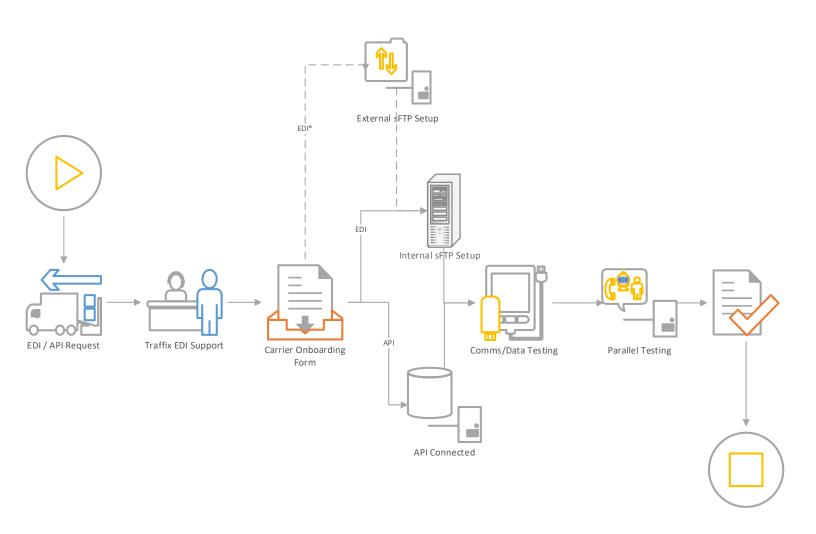
- 204 Motor Carrier Load Tender
- 990 Tender Response (Tender Accept/Reject)
- 214 Shipment Status (214 specifications includes a list of codes)
- 210 Freight Invoice

TRAFFIX provides in its specifications guides mandatory elements that often include mandatory qualifiers.  TRAFFIX prefers that partners use the specified qualifiers and maintain their own transformations/conversions.  Structural guidelines for each of these formats are detailed in this document, along with communications methodology for the electronic transmissions.

- Segment Terminator ~
- Element Separator *
- ISA-16 Component Element Separator >

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# Process Overview

EDI / API Request

Traffix EDI Support

Carrier Onboarding Form

EDI*

External sFTP Setup

EDI

Internal sFTP Setup

API

API Connected

Comms/Data Testing

Parallel Testing

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# Transmission Information

In addition to the use of encryption to protect transmitted data, TRAFFIX utilizes user ID/password combinations to restrict access to the (SFTP) site. A valid user ID/password combination must be used for each login. TRAFFIX will issue user ID and password combinations upon completion of appropriate user authorization.

URLS – TRAFFIX will issue single credentials that provide access to both Prod and Test; our Test is indicated by SB (Sandbox)

*File Naming Conventions* – TRAFFIX specifies file naming conventions in order to prevent problems that can arise from the use of sFTP.  TRAFFIX file naming conventions are as follows:

> *File Name Characters* –  File names should be composed only of alphanumeric characters, underscore, and period.
>
> *Unique File Names* –  If a file is transmitted that duplicates the name of an existing file, the later file will conflict with the prior file and potentially impact processing. TRAFFIX specifies a file name syntax for each transaction type to clearly identify each transaction.
>
> *File Name Case* –  Case is significant in file names.  For example, "file.txt," "FILE.TXT," and "File.txt" would be three distinct files.
>
> *File Name Structure* –  Files transferred through the TRAFFIX file transfer service should be names using the specifications in the table. The syntax is:

**FileType_Reference Number *or* SenderID_Date_Time.extension**
**204__T03042022_20230214203428140.edi**

| File Name Element | Description or Types |
|---|---|
| FileType | Type of EDI Transaction: 204, 990, 214, 210, 997, etc. |
| SCAC or Sender ID | Carrier SCAC or Sender ID |
| UniqueFileID | A unique identifier, typically associated with the particular transaction being transferred in the file. Ie. TRAFFIX Load Number |
| Date | 8 digit date (MMDDYYYY) |
| Time | 6 digit time in 24 hour format (HHMMSS)<br>• Transaction sent at 3:59:03 PM would be sent as "155903"<br>• Transaction sent at 10:05:15 AM would be sent as "100515" |

*\*Files Outbound from TRAFFIX (204 Tender) may or may not include the SCAC. Files Inbound to TRAFFIX (990, 214, 210) MUST include the SCAC or Sender ID.*

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# Folder Structure

Credentials will land in folder 'Traffix' with subfolders for Production and Test; TRAFFIX Test is indicated by 'SB' (Sandbox). IB indicates Inbound 990, 214, 210. OB indicates Outbound 204, 997.  Archive will purge files older than 15 days.

## *Production*

Traffix/CarrierIntegration/SCAC/PROD/...

*ARCHIVE*

*IB*

*OB*

*DOCS*

## *Test*

Traffix/CarrierIntegration/SCAC/SB/...

*ARCHIVE*

*IB*

*OB*

*DOCS*

# *204* *Motor Carrier Load Tender*

X12/V4010/204: 204 Motor Carrier Load Tender

# 204 Load Tender

## Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Motor Carrier Load Tender Transaction Set (204) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set can be used to allow shippers or other interested parties to offer (tender) a shipment to a full load (truckload) motor carrier including detailed scheduling, equipment requirements, commodities, and shipping instructions pertinent to a load tender. It is not to be used to provide a motor carrier with data relative to a Less-than-Truckload bill of lading, pick-up notification, or manifest.

## Heading:

| Pos. No. | Seg. ID | Name | Req. Des. | Max.Use | Loop Repeat | Notes and Comments |
|---|---|---|---|---|---|---|
| 010 | ST | Transaction Set Header | M | 1 | | |
| 020 | B2 | Beginning Segment for Shipment Information Transaction | M | 1 | | |
| 030 | B2A | Set Purpose | M | 1 | | |
| 080 | L11 | Business Instructions and Reference Number | O | 50 | | |
| 090 | G62 | Date/Time | O | 1 | | |
| 130 | NTE | Notes/Special Instruction | O | 10 | | |
| | | LOOP ID - 0200 | | | >1 | |
| 200 | N7 | Equipment Details | M | 1 | | |

## Detail:

| Pos. No. | Seg. ID | Name | Req. Des. | Max.Use | Loop Repeat | Notes and Comments |
|---|---|---|---|---|---|---|
| | | LOOP ID - 0300 | | | 999 | |
| 010 | S5 | Stop Off Details | M | 1 | | |
| 020 | L11 | Reference Identification | O | 10 | | |
| 030 | G62 | Date/Time | M | 2 | | |
| 040 | AT8 | Shipment Weight, Packaging and Quantity Data | O | 1 | | |
| | | LOOP ID – 0310 | | | 2 | |
| 070 | N1 | Name | M | 1 | | |
| 090 | N3 | Address Information | O | 2 | | |
| 100 | N4 | Geographic Location | O | 1 | | |
| 120 | G61 | Contact | O | 3 | | |
| | | LOOP ID – 0350 | | | 999 | |
| 150 | OID | Order Identification Detail | O | 1 | | |
| | | LOOP ID – 0360 | | | 10 | |
| 190 | L5 | Description, Marks and Numbers | O | 1 | | |
| 195 | AT8 | Shipment Weight, Packaging, Quantity Data | O | 1 | | |

## Summary:

| Pos. No. | Seg. ID | Name | Req. Des. | Max.Use | Loop Repeat | Notes and Comments |
|---|---|---|---|---|---|---|
| 010 | L3 | Total Weight and Charges | O | 1 | | |
| 020 | SE | Transaction Set Trailer | M | 1 | | |

**TRAFFIX**

**Segment:** **ST** **Transaction Set Header**
**Position:** 010
**Loop:**
**Level:** Heading
**Usage:** Mandatory
**Max Use:** 1
**Purpose:** To indicate the start of a transaction set and to assign a control number


**Data Element Summary**

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| ST01 | 143 | **Transaction Set Identifier Code** | **M ID 3/3** |

Code uniquely identifying a Transaction Set
    204           Motor Carrier Load Tender

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| ST02 | 329 | **Transaction Set Control Number** | **M AN 4/9** |

Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

**TRAFFIX**

| Segment: | **B2** Beginning Segment for Shipment Information Transaction |
|---|---|
| **Position:** | 020 |
| **Loop:** | |
| **Level:** | Heading |
| **Usage:** | Mandatory |
| **Max Use:** | 1 |
| **Purpose:** | To transmit basic data relating to shipment information |

**Data Element Summary**

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| **B202** | **140** | **Standard Carrier Alpha Code** | **O  ID 2/4** |
| | | SCAC | |
| | | The Standard Carrier Alpha Code of the carrier receiving this transaction. | |
| **B204** | **145** | **Shipment Identification Number** | **O  AN 1/30** |
| | | Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters) | |
| | | TMS Load Number | |
| **B205** | **188** | **Weight Unit Code** | **O  ID 1/1** |
| | | **Code specifying the weight unit** | |
| | | L - Pounds | |
| | | Always L | |
| **B206** | **146** | **Shipment Method of Payment** | **M  ID 2/2** |
| | | Code identifying payment terms for transportation charges | |
| | | PP - Prepaid (by Seller) | |
| | | Always PP | |

**TRAFFIX**

**Segment:** **B2A** Set Purpose
**Position:** 030
**Loop:**
**Level:** Heading
**Usage:** Mandatory
**Max Use:** 1
**Purpose:** To allow for positive identification of transaction set purpose

### Data Element Summary

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| **B2A01** | **353** | **Transaction Set Purpose Code** | **M ID 2/2** |

Code identifying purpose of transaction set

   00 - Original
   01 - Cancellation
   04 - Change
   05 - Replace

TRAFFIX Internal Note: corresponding code descriptions - New, Cancel, 04Revise, 05Update

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| **B2A02** | **346** | **Application Type** | **O ID 2/2** |

Code identifying an application
    LT - Load Tender

**TRAFFIX**

**Segment:** **L11** **Business Instructions and Reference Number**
**Position:** 080
**Loop:**
**Level:** Heading
**Usage:** Optional
**Max Use:** 50
**Purpose:** To specify instruction in this business relationship or a reference number

### Data Element Summary

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| **L1101** | **127** | **Reference Identification** | **X** **AN 1/30** |

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

| | | | |
|---|---|---|---|
| **L1102** | **128** | **Reference Identification Qualifier** | **X** **ID 2/3** |

Code qualifying the Reference Identification

CN - Carrier's Reference Number (*Pro/Invoice*)
CR - Customer Reference Number
MB - Master Bill of Lading Number (*assigned and/or provided by TRAFFIX*)
ZZ - Mutually Defined (*Mode where TL is Truckload and LTL is Less than Truckload*)
0N - Org Name (*AHF, LTLandManagedServices, or Logistics*)
23 - Traffix Client Trading Partner ID
ZC - Traffix Carrier Trading Partner ID

TRAFFIX

| | | **Segment:** | **G62** Date/Time |
| --- | --- | --- | --- |

**Segment:** **G62** Date/Time
**Position:** 090
**Loop:**
**Level:** Heading
**Usage:** Optional
**Max Use:** 1
**Purpose:** To specify pertinent dates and times

**Data Element Summary**

| Ref. Des. | Data Element | Name | | Attributes |
| --- | --- | --- | --- | --- |
| G6201 | 432 | Date Qualifier | X | ID 2/2 |
| | | Code specifying type of date | | |
| | | 64 - Must Respond By | | |
| G6202 | 373 | Date | X | DT 8/8 |
| | | Date expressed as CCYYMMDD | | |
| G6203 | 176 | Time Qualifier | X | ID 1/2 |
| | | 1 - Must Respond By | | |
| G6204 | 337 | Time | X | TM 4/8 |
| | | Time expressed in 24-hour format as HHMM | | |

*NOTE: This segment is only present when TRAFFIX has enabled a tender response time-limit.*
*If a tender response is not received, then the tender will expire; an expiration notification will not be sent.*

TRAFFIX

**Segment:** **NTE** Notes/Special Instruction
**Position:** 130
**Loop:**
**Level:** Heading
**Usage:** Optional
**Max Use:** 10
**Purpose:** To transmit information in a free-form format, if necessary, for comment or special instruction.


### Data Element Summary

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| NTE01 | 363 | Note Reference Code | M ID 3/3 |

Code identifying the functional area or purpose for which the note applies.

CBH - Monetary Amount Description
OTH - Other Instructions
ORI - Order Instructions
ZZZ - Mutually Defined-Additional
Load instructions

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| NTE02 | 352 | Description | M AN 1/80 |

A free-form description to clarify the related data elements and their content.

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**Segment:N7 Equipment Details**

| | |
|---|---|
| **Position:** | 200 |
| **Loop:** | 0200 |
| **Level:** | Heading |
| **Usage:** | Mandatory |
| **Max Use:** | 1 |
| **Purpose:** | To identify the equipment |

**Data Element Summary**

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| **N702** | **207** | **Equipment Number** | **M   AN 1/10** |
| | | Usage: Equipment Description | |

*NOTE: refer to N702 for the type of equipment. Standard EDI codes for N711 do not support all types of equipment that may be required. N702 will provide the TRAFFIX equipment description. Refer to the tender notes or reach out to TRAFFIX if clarification is required.*

| | | | |
|---|---|---|---|
| **N711** | **40** | **Equipment  Description Code** | **M   ID 2/2** |
| | | Code identifying type of equipment | |

CB - Chassis, Gooseneck
CH - Chassis
CN - Container
CV - Closed Van
CZ  - Refrigerated Container
DD - Double-Drop Trailer
FT - Flatbed Trailer
LU - Load / Unload Device on Equipment
PU - Pick-up Truck
RR - Rail Car
RT - Controlled Temperature Trailer (Reefer)
SD - Single-Drop Trailer
ST - Removable Side Trailer
SV - Van - Special InsideLength, Width, or Height Requirements
TA - Trailer, Heated/Insulated/Ventilated
TL - Trailer (not otherwise specified)
TM - Trailer, Insulated/Ventilated
TN - Tank Car
TR - Tractor
TV - Truck, Van
TW - Trailer, Refrigerated

**TRAFFIX**

**Segment:** $S5$ **Stop Off Details**
**Position:** 010
**Loop:** 0300
**Level:** Detail
**Usage:** Mandatory
**Max Use:** 1
**Purpose:** To specify stop-off detail reference numbers and stop reason

**Data Element Summary**

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| S501 | 165 | **Stop Sequence Number** | M N0 1/3 |
| | | Identifying number for the specific stop and the sequence in which the stop is to be performed | |
| S502 | 163 | **Stop Reason Code** | M ID 2/2 |
| | | Code specifying the reason for the stop | |
| | |   LD - Load | |
| | |   UL - Must Respond By | |

**TRAFFIX**

**Segment:** **L11** **Business Instructions and Reference Number**
**Position:** 020
**Loop:** 0300
**Level:** Detail
**Usage:** Optional
**Max Use:** 50
**Purpose:** To specify instruction in this business relationship or a reference number

### Data Element Summary

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| **L1101** | **127** | **Reference Identification** | **X   AN 1/30** |

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

| | | | |
|---|---|---|---|
| **L1102** | **128** | **Reference Identification Qualifier** | **X   ID 2/3** |

Code qualifying the Reference Identification

CR - Customer Reference Number
PO - Purchase Order Number

**TRAFFIX**

| Segment: | **G62** Date/Time |
|---|---|
| **Position:** | 030 |
| **Loop:** | 0300 |
| **Level:** | Detail |
| **Usage:** | Mandatory |
| **Max Use:** | 2 |
| **Purpose:** | To specify pertinent dates and times |
| **Notes:** | Effective May 2011 – First Quality **NO LONGER TRANSMITS** Pick-up date and time. |

## Data Element Summary

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| **G6201** | **432** | **Date Qualifier** <br> Code specifying type of date | **X   ID 2/2** |

       37 - Ship Not Before Date
       38 - Ship Not Later Than Date
       53 - Deliver Not Before Date
       54 - Deliver No Later Than Date

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| **G6202** | **373** | **Date** <br> Date expressed as CCYYMMDD | **X   DT 8/8** |
| **G6203** | **176** | **Time Qualifier** <br> Code specifying the reported time | **X   ID 1/2** |

       I - Earliest Reqeusted Pick up Time
       K - Latest Requested Pick up Time
       G - Earliest Reqeusted Delivery Time
       L - Latest Requested Delivery Time

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| **G6204** | **337** | **Time** <br> Time expressed in 24-hour format as HHMM | **X   TM 4/8** |

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| Segment: | **AT8** Shipment Weight, Packaging and Quantity Data |
|---|---|
| **Position:** | 040 |
| **Loop:** | 0300 |
| **Level:** | Detail |
| **Usage:** | Optional |
| **Max Use:** | 1 |
| **Purpose:** | To specify shipment details in terms of weight, and quantity of handling units |

**Data Element Summary**

| Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|
| AT801 | 187 | **Weight Qualifier** | X | ID 1/2 |
| | | Code defining the type of weight | | |
| | | G - Gross Weight | | |
| AT802 | 188 | **Weight Unit Code** | X | ID 1/1 |
| | | Code specifying the weight unit | | |
| | | L - Pounds | | |
| AT803 | 81 | **Weight** | X | R 1/10 |
| | | Numeric value of weight | | |
| AT804 | 80 | **Lading Quantity** | O | N0 1/7 |
| | | Number of units (pieces) of the lading commodity | | |
| AT806 | 184 | **Volume Unit Qualifier** | X | ID 1/1 |
| | | Code identifying the volume unit | | |
| | | E - Cubic Feet | | |
| AT807 | 183 | **Volume** | X | R 1/8 |
| | | Value of volumetric measure | | |

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**Segment:** **N1** Name
**Position:** 070
**Loop:** 0310
**Level:** Detail
**Usage:** Mandatory
**Max Use:** 1
**Purpose:** To identify a party by type of organization, name, and code

### Data Element Summary

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

Code identifying an organizational entity, a physical location, property or an individual
    BT - Bill To
    SF - Ship From
    ST - Ship To

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| **N102** | **93** | **Name** | **X   AN 1/60** |

Free-form name

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| **N103** | **66** | **Identification Code Qualifier** | **X   ID 1/2** |

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

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| **N104** | **67** | **Identification Code** | **O   AN 2/80** |

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

**Segment:** # N3 **Address Information**
**Position:** 090
**Loop:** 0310
**Level:** Detail
**Usage:** Optional
**Max Use:** 2
**Purpose:** To specify the location of the named party

### Data Element Summary

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| **N301** | **166** | **Address Information**<br>Address Information | **M   AN 1/55** |
| **N302** | **166** | **Address Information**<br>Address Information | **O   AN 1/55** |

**Segment:** **N4** **Geographic Location**
**Position:** 100
**Loop:** 0310
**Level:** Detail
**Usage:** Optional
**Max Use:** 1
**Purpose:** To specify the geographic place of the named party

**Data Element Summary**

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| **N401** | **19** | **City Name** | **M   AN 2/30** |
| | | Free-form text for city name | |
| **N402** | **156** | **State or Province Code** | **M   ID 2/2** |
| | | Code (Standard State/Province) as defined by appropriate government agency | |
| **N403** | **116** | **Postal Code** | **M   ID 3/15** |
| | | Code defining international postal zone code excluding punctuation and blanks (zip code for United States) | |
| **N404** | **26** | **Country Code** | **O   ID 2/3** |
| | | Code identifying the country | |
| | | Required if the country is not the United States. | |

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**Segment:** **G61** Contact
**Position:** 120
**Loop:** 0310
**Level:** Detail
**Usage:** Optional
**Max Use:** 3
**Purpose:** To identify a person or office to whom communications should be directed

**Data Element Summary**

| Ref. Des. | Data Element | Name | Attributes |
|-----------|--------------|------|------------|
| G6101 | 366 | **Contact Function Code** | **M ID 2/2** |
| | | Code identifying the major duty or responsibility of the person or group named | |
| G6102 | 93 | **Name** | **M AN 1/60** |
| | | Free-form name | |
| G6103 | 365 | **Communication Number Qualifier** | **X ID 2/2** |
| | | Code identifying the type of communication number | |
| | | EM - Electronic Mail | |
| | | TE - Telephone Number | |
| G6104 | 364 | **Communication Number** | **X AN 1/80** |
| | | Complete communications number including country or area code when applicable | |

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**Segment:** **OID** Order Identification Detail
**Position:** 150
**Loop:** 0350
**Level:** Detail
**Usage:** Optional
**Max Use:** 1
**Purpose:** To specify order identification detail

### Data Element Summary

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| **OID01** | **127** | **Reference Identification** | **M AN 1/30** |
| | | Reference Information as defined for a particular transaction set *(PO)* | |
| **OID02** | **324** | **Purchase Order Number** | **X AN 1/22** |
| | | Identifying number for Purchase Order assigned by the orderer/purchaser | |
| **OID04** | **355** | **Unit or Basis for Measurement Code** | **X ID 2/2** |
| | | Code specifying the quantity unit | |

BG - Bag
2W - Bin
BX - Box
CN - Can
CA - Case
CT - Carton
CP - Crate
DR - Drum
JU - Jug
PK - Package
PL - Pallet
PC - Piece
RE - Reel
RL - Roll
SV - Skid
UN - Unit

*NOTE: if no unit of measure is entered, then UN will be sent and the value in OID05 will be zero 0*

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| **OID05** | **380** | **Quantity** | **X R 1/15** |
| | | Numeric value of quantity | |
| **OID06** | **188** | **Weight Unit Code** | **X ID 1/1** |
| | | Code identifying the weight unit | |

L - Pounds
K - Kilograms

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S - Short Ton
E - Metric Ton

| | | | | | |
|---|---|---|---|---|---|
| **OID07** | **81** | **Weight**<br>Numeric value of weight | | **X** | **R 1/10** |
| **OID08** | **187** | **Volume Unit Qualifier**<br>Code identifying volume unit | | **X** | **ID 1/1** |
| **OID09** | **183** | **Volume**<br>Numeric value of volume | | **X** | **R 1/8** |

| **Segment:** | **L5** Description, Marks and Numbers |
|---|---|
| **Position:** | 190 |
| **Loop:** | 0360 |
| **Level:** | Details |
| **Usage:** | Mandatory |
| **Max Use:** | 1 |
| **Purpose:** | To specify the line item in terms of description, quantity, packaging, and marks and numbers |

### Data Element Summary

| Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|
| **L501** | **213** | **Lading Line Item Number** | X | R 1/3 |
| | | Sequential line number for a lading item | | |
| **L502** | **79** | **Lading Description** | X | AN 1/50 |
| **L503** | **22** | **Commodity Code** | X | AN 1/30 |
| | | Code describing a commodity or group of commodities | | |
| **L504** | **23** | **Commodity Code Qualifier** | X | ID 1/1 |
| | | Code identifying the commodity coding system | | |
| **L505** | **103** | **Packaging Code** | X | AN 3/5 |

Code Identifying type of Packaging
25 - Corrugated or Solid
BAL - Bale
BBL - Barrel
CTN - Carton
COL - Coil
CRT - Crate
DRM - Drum
ENV - Envelope
LSE - Loose
PAB - Pallet Box
PCS - Pieces
PKG - Package
PLT - Pallet
REL - Reel
ROL - Roll
SKD - Skid
TBN - Tote Bin
UNT - Unit

TRAFFIX

| Segment: | **AT8** Shipment Weight, Packaging and Quantity Data |
|---|---|
| **Position:** | 040 |
| **Loop:** | 0360 |
| **Level:** | Detail |
| **Usage:** | Optional |
| **Max Use:** | 1 |
| **Purpose:** | To specify shipment details in terms of weight, and quantity of handling units |

**Data Element Summary**

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| AT801 | 187 | **Weight Qualifier** | X ID 1/2 |
| | | Code defining the type of weight | |
| | | G - Gross Weight | |
| AT802 | 188 | **Weight Unit Code** | X ID 1/1 |
| | | Code specifying the weight unit | |
| | | L - Pounds | |
| AT803 | 81 | **Weight** | X R 1/10 |
| | | Numeric value of weight | |
| AT804 | 80 | **Lading Quantity** | O N0 1/7 |
| | | Number of units (pieces) of the lading commodity | |
| AT806 | 184 | **Volume Unit Qualifier** | X ID 1/1 |
| | | Code identifying the volume unit | |
| | | E - Cubic Feet | |
| AT807 | 183 | **Volume** | X R 1/8 |
| | | Value of volumetric measure | |

**TRAFFIX**

| Segment: | **L3** Total Weight and Charges |
|---|---|
| **Position:** | 010 |
| **Loop:** | |
| **Level:** | Summary |
| **Usage:** | Optional |
| **Max Use:** | 1 |
| **Purpose:** | To specify the total shipment in terms of weight, volume, rates, charges, advances, and prepaid amounts applicable to one or more line items |

### Data Element Summary

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| L301 | 81 | **Weight**<br>Numeric value of weight | X R 1/10 |
| L302 | 187 | **Weight Qualifier**<br>Code defining the type of weight<br> G - Gross Weight | X ID 1/2 |
| L305 | 58 | **Charge**<br> Total charge for load | O N2 1/12 |
| L309 | 183 | **Volume**<br> Value of volumetric measure | O R 1/8 |
| L310 | 184 | **Volume Unit Qualifier**<br> Code identifying the volume unit | O ID 1/1 |
| L311 | 80 | **Lading Quantity**<br> Number of units (pieces) of the lading commodity | O N0 1/7 |
| L312 | 188 | **Weight Unit Code**<br> Code specifying the weight unit | O ID 1/1 |

**TRAFFIX**

**Segment:** **SE** **Transaction Set Trailer**
**Position:** 020
**Loop:**
**Level:** Summary
**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)

### Data Element Summary

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

**TRAFFIX**

# Sample 204

```
ISA*00*        *00*        *02*TFXE          *02*TEST*230215*1606*U*00401*000000500*0*T*>~
GS*SM*TFXE*TEST*20230215*1606*500*X*004010~
ST*204*0001~
B2**TEST**T00164519*L*PP~
B2A*00*LT~
L11*TL*ZZ~
L11*T22164519*MB~
L11*TEST CLIENT TRADING PARTNER ID*23~
L11*LOGISTICS*0N~
L11*TEST CARRIER TRADING PARTNER ID*ZC~
G62*64*20230814*1*0120~
NTE*ORI*PICKUP APPOINTMENT NUMBER12345~
N7**DRY VAN*********TV~
S5*1*LD~
L11*1125101*CR~
G62*37*20230216*I*1200~
G62*38*20230216*K*1600~
AT8*G*L*44000.00*18**E*0.00~
N1*SF*THE TERMINAL CORP*ZZ*LOC-9999999A~
N3*1111 A SOUTH STREET AVE~
N4*BALTIMORE*MD*21224*US~
G61*CN*JackJones*EM*jjones@company.com~
OID*PO*1125101**PC*0*L*44000.00*E*0.00~
L5*1*PLYWOOD***PLT~
AT8*G*L*44000*18**E*0.0~
S5*2*UL~
L11*1125101*CR~
G62*53*20230217*G*0700~
G62*54*20230217*L*2200~
AT8*G*L*44000.00*18**E*0.00~
N1*ST*OHIO CROSS DOCK*ZZ*LOC-2222222~
N3*8888 STATE RD HIGHWAY~
N4*WASHINGTON COURT HOUSE*OH*43160*US~
G61*CN*RECEIVING*TE*555-556-1000~
OID*PO*1125101**PC*0*L*44000.00*E*0.00~
L5*1*PLYWOOD***PLT~
AT8*G*L*44000*18**E*0.0~
L3*44000.00*G***80000****0*E*18*L~
SE*43*0001~
GE*1*500~
IEA*1*000000500~
```

# *990* *Response to*
# *Load Tender*

X12/V4010/990: 990 Response to Load Tender

Version: 2

Publication: 15 August 2023

Notes: Updates to K1 segment, new mandatory data elements.

# 990 Response to a Load Tender

<div align="right">

**Functional Group ID=GF**

</div>

**Introduction:**

This Draft Standard for Trial Use contains the format and establishes the data contents of the Response to a Load Tender Transaction Set (990) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide general information relative to a specific shipment. The Response to a Load Tender is used as the response to a Motor Carrier Shipment Information Transaction Set (204) that has been used as a load tender.

| Pos. No. | Seg. ID | Name | Req. Des. | Max.Use | Loop Repeat | Notes and Comments |
|------|------|------|------|------|------|------|
| 010 | ST | Transaction Set Header | M | 1 | | |
| 020 | B1 | Beginning Segment for Booking or Pick-up/Delivery | M | 1 | | |
| 030 | N9 | Reference Identification | C | 1 | | |
| 060 | K1 | Remarks | C | 10 | | |
| 070 | SE | Transaction Set Trailer | M | 1 | | |

**TRAFFIX**

**Segment:** **ST** **Transaction Set Header**
**Position:** 010
**Loop:**
**Level:**
**Usage:** Mandatory
**Max Use:** 1
**Purpose:** To indicate the start of a transaction set and to assign a control number

**Data Element Summary**

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| **ST01** | **143** | **Transaction Set Identifier Code** | **M ID 3/3** |

Code uniquely identifying a Transaction Set
    990           Response To a Load Tender

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| **ST02** | **329** | **Transaction Set Control Number** | **M AN 4/9** |

Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

**TRAFFIX**

**Segment:** **B1** **Beginning Segment for Booking or Pick-up/Delivery**
**Position:** 020
**Loop:**
**Level:**
**Usage:** Mandatory
**Max Use:** 1
**Purpose:** To transmit identifying numbers, dates, and other basic data relating to the transaction set

### Data Element Summary

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| **B101** | **140** | **Standard Carrier Alpha Code** | **M   ID 2/4** |
| | | Standard Carrier Alpha Code | |
| **B102** | **145** | **Shipment Identification Number** | **M   AN 1/30** |
| | | Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters) | |
| | | TMS Load Number | |
| **B103** | **373** | **Date** | **M   DT 8/8** |
| | | Date expressed as CCYYMMDD | |
| | | This is the booking date. | |
| **B104** | **558** | **Reservation Action Code** | **M   ID 1/1** |
| | | Code identifying action on reservation or offering | |
| | | A - Reservation Accepted | |
| | | D - Reservation Declined | |

TRAFFIX

**Segment:** **N9** Reference Identification

**Position:** 030
**Loop:**
**Level:**
**Usage:** Conditional
**Max Use:** 1
**Purpose:** To transmit identifying information as specified by the Reference
Identification Qualifier
**Notes:**

## Data Element Summary

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| N901 | 128 | **Reference Identification Qualifier** | M  ID 2/3 |
| | | Code qualifying the Reference Identification | |
| | | CN - Carrier's Reference Number (PRO/Invoice) | |
| | | | |
| N902 | 127 | **Reference Identification** | X  AN 1/30 |
| | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | |

**TRAFFIX**

| Segment: | **K1** Remarks |
|---|---|
| **Position:** | 060 |
| **Loop:** | |
| **Level:** | |
| **Usage:** | Conditional |
| **Max Use:** | 10 |
| **Purpose:** | To transmit information in a free-form format for comment or special instruction |
| **Notes:** | |

### Data Element Summary

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| K101 | 61 | **Free-Form Message** <br> Free-form information | M   AN 1/30 |

This is now a mandatory segment. The K101 will have the following qualifiers sent over in the L1102's of the 204 message.
0N - Org Name (AHF, LTL and Managed Services, or Logistics)
23 - Traffix Client Trading Partner ID
ZC - Traffix Carrier Trading Partner ID

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| K102 | 61 | **Free-Form Message** <br> Free-form information | M   AN 1/30 |

This is now mandatory. The K102's will be set up as follows:
K1*0N* Value sent in the L1101 field 204 message for corresponding Qualifier 0N ~
K1*23* Value sent in the L1101 field 204 message for corresponding Qualifier ZC ~
K1*ZC* Value sent in the L1101 field 204 message for corresponding Qualifier 23 ~

**TRAFFIX**

**Segment:** **SE** **Transaction Set Trailer**
**Position:** 070
**Loop:**
**Level:**
**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)

### Data Element Summary

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

TRAFFIX

# Sample 990

```
ISA*00**00**09*TEST*ZZ*TFXE*931001*1020*U*00801*000898111*0*T*`~
GS*AA*TEST*TFXE*20210714*142648*821703*T*008010~
ST*990*511268234~
B1*TEST*T22164519*20220303*A~
N9*CN*78888877~
K1*0N*Logistics~
K1*23*Test Client Trading Partner ID~
K1*ZC*Test Carrier Trading Partner ID~
SE*10*831053307~
GE*10*821703~
IEA*1*000898111~
```

# 214 Transportation Carrier Shipment Status Message

X12/V4010/214: 214 Transportation Carrier Shipment Status Message

**Version: 2**

**Publication: 15 August 2023**

**Notes:** Additonal Mandatory L11 segments. New L1102 qualifiers.

# 214 Shipment Status Message

<div align="right">

**Functional Group ID=**QM

</div>

## Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Transportation Carrier Shipment Status Message Transaction Set (214) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set can be used by a transportation carrier to provide shippers, consignees, and their agents with the status of shipments in terms of dates, times, locations, route, identifying numbers, and conveyance.

**Element Delimiter ***
**Segment Terminator ~**

| Pos. No. | Seg. ID | Name | Req. Des. | Max. Use | Loop Repeat | Notes |
|---|---|---|---|---|---|---|
| | ISA | Interchange Control Header | M | 1 | | |
| | GS | Functional Group Header | M | 1 | | |
| 010 | ST | Transaction Set Header | M | 1 | | |
| 020 | B10 | Beginning Segment for Transportation Carrier Shipment Status Message | M | 1 | | |
| 030 | L11 | Business Instructions and Reference Number | M | 999 | | |
| | | **LOOP ID - 0100** | | | 5 | |
| 010 | N1 | Name | M | 1 | | |
| 030 | N3 | Address Information | M | 2 | | |
| 040 | N4 | Geographic Location | M | 1 | | |
| | | **LOOP ID - 0200** | | | 1 | |
| 070 | LX | Assigned Number | M | 1 | | A single 214 may contain 1 LX Loop |
| | | **LOOP ID - 0205** | | | 10 | Only one status per 214. |
| 080 | AT7 | Shipment Status Details | M | 1 | | A single 214 may contain 1 AT7 Loop |
| 090 | MS1 | Equipment, Shipment, or Real Property Location | M | 1 | | |
| 100 | MS2 | Equipment or Container Owner and Type | O | 1 | | |
| 120 | L11 | Business Instructions and Reference Number | O | 10 | | |
| 130 | SE | Transaction Set Trailer | M | 1 | | |
| | GE | Functional Group Trailer | M | 1 | | |
| | IEA | Interchange Control Trailer | M | 1 | | |

**TRAFFIX**

**Segment:** **ST** **Transaction Set Header**
**Position:** 010
**Loop:**
**Level:** Heading
**Usage:** Mandatory
**Max Use:** 1
**Purpose:** To indicate the start of a transaction set and to assign a control number

**Data Element Summary**

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| **ST01** | **143** | **Transaction Set Identifier Code** | **M   ID 3/3** |
| | | Code uniquely identifying a Transaction Set | |
| | 214 | Transportation Carrier Shipment Status Message | |
| **ST02** | **329** | **Transaction Set Control Number** | **M   AN 4/9** |
| | | Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set | |

TRAFFIX

| Segment: | **B10** Beginning Segment for Transportation Carrier Shipment Status Message |
|---|---|
| **Position:** | 020 |
| **Loop:** | |
| **Level:** | Heading |
| **Usage:** | Mandatory |
| **Max Use:** | 1 |
| **Purpose:** | To transmit identifying numbers and other basic data relating to the transaction set |

## Data Element Summary

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| **B1001** | **127** | **Reference Identification** | **M   AN 1/30** |

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Pro Number

| **B1002** | **145** | **Shipment Identification Number** | **M   AN 1/30** |
|---|---|---|---|

Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters)

TMS Load Number (received in 204 load tender)

| **B1003** | **140** | **Standard Carrier Alpha Code** | **M   ID 2/4** |
|---|---|---|---|

Standard Carrier Alpha Code

TRAFFIX

**Segment:** **L11** **Business Instructions and Reference Number**
**Position:**
**Loop:**
**Level:**
**Usage:** Mandatory
**Max Use:** 030
**Purpose:** To specify instructions in this business relationship or a reference number

**Data Element Summary**

| Ref.<br>Des. | Data<br>Element | Name | Attributes |
|---|---|---|---|
| **L1101** | **127** | **Reference Identification** | **M   AN 1/30** |

Reference information as defined for a particular Transaction Set
or as specified by the Reference Identification Qualifier
Bill of Lading Number
Service Type *(ie. PRTY for Priority)*
*Thefollowing aremandatory:*
L11*Value sent in the L1101 field 204 message for
corresponding Qualifier 23*23~
L11*Value sent in the L1101 field 204 message for
corresponding Qualifier 0N*0N~
L11*Value sent in the L1101 field 204 message for
corresponding Qualifier ZC*ZC~

| Ref.<br>Des. | Data<br>Element | Name | Attributes |
|---|---|---|---|
| **L1102** | **128** | **Reference Identification Qualifier** | **C   ID 2/3** |

Code Qualifying the Reference Identification

1904codes, 4 codes are mandatory:
*Mandatory*
CN-Pro Number
*These qualifiers are sent over in the L1102's of the 204 message*
23 - Traffix Client Trading Partner ID
0N - Org Name(AHF, LTL and Managed Services,or Logistics)
ZC - Traffix Carrier Trading Partner ID

*Optional*
BM-Bill of Lading Number
SI-Shipper's Identifying Number
PO–Purchase Order Number
QY-Service Performed Code(To indicate service type)

**TRAFFIX**

| Segment: | **N1** Name |
|---|---|
| **Position:** | 010 |
| **Loop:** | 0100 |
| **Level:** | Heading |
| **Usage:** | Mandatory |
| **Max Use:** | 1 |
| **Purpose:** | To identify a party by type of organization, name, and code |
| **Notes:** | |

## Data Element Summary

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| **N101** | **98** | **Entity Identifier Code** | **M ID 2/3** |
| | | Code identifying an organizational entity, a physical location, property or an individual | |
| | | SF - Ship From | |
| | | ST - Ship To | |
| | | SH - Shipper | |
| **N102** | **93** | **Name** | **M AN 1/60** |
| | | Free-form name | |
| **N103** | | **Identification Code Qualifier** | **O ID 1/2** |
| | | ZZ - Mutually Defined | |
| | | Received in 204 Load Tender | |
| **N104** | | **Identification Code** | **O AN 2/80** |
| | | Code identifying a party or other code | |
| | | Received in 204 Load Tender | |

**TRAFFIX**

**Segment:** # N3 **Address Information**
**Position:** 030
**Loop:** 0100
**Level:** Heading
**Usage:** Optional
**Max Use:** 1
**Purpose:** To specify the location of the named party
**Notes:**

## Data Element Summary

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

**TRAFFIX**

**Segment:** **N4** **Geographic Location**
**Position:** 040
**Loop:** 0100
**Level:** Heading
**Usage:** Optional
**Max Use:** 1
**Purpose:** To specify the geographic place of the named party
**Notes:**

## Data Element Summary

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

TRAFFIX

**Segment:** **LX** **Assigned Number**
**Position:** 070
**Loop:** 0200
**Level:** Detail
**Usage:** Mandatory
**Max Use:** 1
**Purpose:** To reference a line number in a transaction set

**Data Element Summary**

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| LX01 | 554 | Assigned Number | M   N0 1/6 |

Number assigned for differentiation within a transaction set
Only ONE LX segment per transaction set.

TRAFFIX

| Segment: | **AT7** Shipment Status Details |
|---|---|
| **Position:** | 080 |
| **Loop:** | 0205 |
| **Level:** | Detail |
| **Usage:** | Mandatory |
| **Max Use:** | 1 |
| **Purpose:** | To specify the status of a shipment, the reason for that status, the date and time of the status and the date and time of any appointments scheduled. |
| **Notes:** | ONLY ONE STATUS EVENT PER TRANSACTION SET. |

### Data Element Summary

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| AT701 | 1650 | **Shipment Status Code** | X   ID 2/2 |

Code indicating the status of a shipment

These are the *required* codes for Traffix–other codes are also accepted

X7 - En-Route to Pick-up Location
X3 - Arrived at Pick-up Location
P1 - Departed Terminal Location
AV - Available for Delivery
AF - Carrier Departed Pick-up Location with Shipment
OR
CP - Completed Loading at Pick-up Location
X6 - En-Route toDelivery Location
X1 - Arrived at Delivery Location
D1 - Completed Unloading at Delivery Location
OR
CD - Carrier Departed Delivery Location
AP - Delivery Not Completed (send with correct reason code)

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| AT702 | 1651 | **Shipment Status or Appointment Reason Code** | X   ID 2/2 |

Code indicating the reason a shipment status or appointment reason was transmitted – examples below.

All codes accepted except where indicated when a code should be used.

A1 - Missed Delivery (Driver/Dispatch error)
A2 - Incorrect Address
AD - Customer Requested Future Delivery
AF - Accident
AH - Driver Related
AI - Mechanical Breakdown
AM - Shipper Related
AO - Weather or Natural Disaster Related
AX - Insufficient Pick-up Time
BE - Road Conditions
BG - Other
BH - Insufficient Time to Complete Delivery
NS - Normal Status
T7 - Insufficient Delivery Time( consignee's delivery window insufficient)

**TRAFFIX**

| | | | | |
|---|---|---|---|---|
| **AT703** | **1652** | **Shipment Appointment Status Code** | **O** | **ID 2/2** |

AA - Pick-up Appointment Date and/or Time
AB - Delivery Appointment Date and/or Time

| | | | | |
|---|---|---|---|---|
| **AT704** | **1651** | **Shipment Status or Appointment Reason Code** | **O** | **ID 2/2** |

Code indicating the reason a shipment status or appointment reason was transmitted – example below.
NA - Normal Appointment

| | | | | |
|---|---|---|---|---|
| **AT705** | **373** | **Date** | **X** | **DT 8/8** |

Date expressed as CCYYMMDD

| | | | | |
|---|---|---|---|---|
| **AT706** | **337** | **Time** | **X** | **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)
Local time.

| | | | | |
|---|---|---|---|---|
| **AT707** | **623** | **Time** | **X** | |

If AT707 is not present then AT706 represents local time of the status.

**TRAFFIX**

**Segment:** **MS1** **Equipment, Shipment, or Real Property Location**
**Position:** 090
**Loop:** 0205
**Level:** Detail
**Usage:** Mandatory
**Max Use:** 1
**Purpose:** To specify the location of a piece of equipment, a shipment, or real property in terms of city and state or longitude and latitude
**Notes:** This is the location on which status is being reported.

**Data Element Summary**

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| **MS101** | **19** | **City Name** | **X AN 2/30** |
| | | Free-form text for city name | |
| **MS102** | **156** | **State or Province Code** | **X ID 2/2** |
| | | Code (Standard State/Province) as defined by appropriate government agency | |
| **MS103** | **26** | **Country Code** | **X ID 2/3** |
| | | Code identifying the country | |
| | | Sent when the country is not the United States | |

TRAFFIX

**Segment:** **MS2** **Equipment or Container Owner and Type**
**Position:** 100
**Loop:** 0205
**Level:** Detail
**Usage:** Optional
**Max Use:** 1
**Purpose:** To specify the owner, the identification number assigned by that owner, and the type of equipment

### Data Element Summary

| Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|
| **MS201** | **140** | **Standard Carrier Alpha Code** | X | **ID 2/4** |
| | | Standard Carrier Alpha Code | | |
| **MS202** | **207** | **Equipment Number** | X | **AN 1/10** |
| | | Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred) | | |
| | | Trailer number | | |
| **MS203** | **40** | **Equipment Description Code** | X | **AN 1/10** |
| | | Code identifying type of equipment used for shipment | | |

TRAFFIX

| **Segment:** | **L11** Business Instructions and Reference Number |
|---|---|
| **Position:** | 120 |
| **Loop:** | 0205 |
| **Level:** | Detail |
| **Usage:** | Optional |
| **Max Use:** | 10 |
| **Purpose:** | To specify instructions in this business relationship or a reference number. |

### Data Element Summary

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| **L1101** | **127** | **Reference Identification** | **X  AN 1/80** |

Reference Information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier.

First stop/Pickup is Stop Number "1"; Pickup should not be indicated as Stop Number "0"

| | | | |
|---|---|---|---|
| **L1102** | **128** | **Reference Identification Qualifier** | **X  ID 2/3** |

Code identifying the reference identification

Codes other than QN will be ignored

   QN - Stop Sequence Number

**TRAFFIX**

**Segment:** **SE** **Transaction Set Trailer**
**Position:** 130
**Loop:**
**Level:** Summary
**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)

### Data Element Summary

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

TRAFFIX

# Sample 214

```
ISA*00*         *00*         *02*TEST          *02*TFXE          *230216*1858*U*00401*214000713*0*T*:~
GS*QM*TEST*TFXE*20230216*1858*214713*X*004010~
ST*214*101010~
B10*602434307*T22164519*TEST~
L11*S111111*CN~
L11*PRTY*QY~
L11*05555*PO~
L11*TEST CLIENT TRADING PARTNER ID*23~
L11*LOGISTICS*0N~
L11*TEST CARRIER TRADING PARTNER ID*ZC~
N1*SH*ABC COMPANY*ZZ*ABCCOMP~
N3*123 MAIN STREET~
N4*HOUSTON*TX*77007~
N1*ST*XYZ COMPANY*ZZ*XYXCOMP~
N3*555 EAST STREET~
N4*DALLAS*TX*75001~
LX*1~
AT7*X1*NS***20220301*1149*LT~
MS1*DALLAS*TX*US~
MS2*TEST*TRAILERNUM*TL~
L11*02*QN~
SE*10*101010~
GE*1*000001361~
IEA*1*000001361~
```

# TRAFFIX

*High Performance | Logistics*

# *210* *Motor Carrier Freight Details and Invoice*

X12/V4010/210: 210 Motor Carrier Freight Details and Invoice

**Version: 2**

**Publication: 15 August 2023**

**Notes:** Additional Mandatory N9 reference number segments.Addtional N901 qualifers.

# 210 Freight Invoice

## Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Motor Carrier Freight Details and Invoice Transaction Set (210) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide detail information for charges for services rendered by a motor carrier. It is used either as a motor carrier invoice to request payment or as details pertaining to motor freight shipment(s) charges.

## Heading:

| Pos. No. | Seg. ID | Name | Req. Des. | Max.Use | Loop Repeat | Notes and Comments |
|---|---|---|---|---|---|---|
| 010 | ST | Transaction Set Header | M | | 1 | |
| 020 | B3 | Beginning Segment for Carrier's Invoice | M | | 1 | |
| 060 | N9 | Reference Identification | O | | 300 | |
| 070 | G62 | Date/Time | O | | 6 | |
| 080 | R3 | Route Information - Motor | O | | 12 | |
| | | LOOP ID - 0100 | | | 10 | |
| 110 | N1 | Name | M | | 1 | |
| 130 | N3 | Address Information | M | | 1 | |
| 140 | N4 | Geographic Location | M | | 1 | |

## Detail:

| Pos. No. | Seg. ID | Name | Req. Des. | Max.Use | Loop Repeat | Notes and Comments |
|---|---|---|---|---|---|---|
| | | LOOP ID - 0400 | | | 9999 | |
| 120 | LX | Assigned Number | M | | 1 | |
| 140 | L5 | Description, Marks and Numbers | M | | 30 | |
| 170 | L0 | Line Item – Quantity and Weight | O | | 10 | |
| 180 | L1 | Tariff Reference | M | | 10 | |

## Summary:

| Pos. No. | Seg. ID | Name | Req. Des. | Max.Use | Loop Repeat | Notes and Comments |
|---|---|---|---|---|---|---|
| 010 | L3 | Total Weight and Charges | M | | 1 | |
| 020 | SE | Transaction Set Trailer | M | | 1 | |

TRAFFIX

**Segment:** **ST** **Transaction Set Header**
**Position:** 010
**Loop:**
**Level:** Heading
**Usage:** Mandatory
**Max Use:** 1
**Purpose:** To indicate the start of a transaction set and to assign a control number

**Data Element Summary**

| Ref. Des. | Data Element | Name | Attributes |
|-----------|--------------|------|------------|
| ST01 | 143 | **Transaction Set Identifier Code** | M ID 3/3 |
| | | Code uniquely identifying a Transaction Set | |
| | | 210 Motor Carrier Freight Details and Invoice | |
| ST02 | 329 | **Transaction Set Control Number** | M AN 4/9 |
| | | Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set | |

**TRAFFIX**

| Segment: | **B3** Beginning Segment for Carrier's Invoice |
|---|---|
| **Position:** | 020 |
| **Loop:** | |
| **Level:** | Heading |
| **Usage:** | Mandatory |
| **Max Use:** | 1 |
| **Purpose:** | To transmit basic data relating to the carrier's invoice |

**Data Element Summary**

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| **B302** | **76** | **Invoice Number** | **M AN 1/22** |
| | | Identifying number assigned by issuer | |
| | | Pro Number/Freight bill/invoice number. | |
| | | | |
| **B303** | **145** | **Shipment Identification Number** | **M AN 1/30** |
| | | Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination | |
| | | TMS Load Number (received in 204 load tender) | |
| | | | |
| **B304** | **146** | **Shipment Method of Payment** | **M ID 2/2** |
| | | Code identifying payment terms for transportation charges | |
| | |    CC - Collect | |
| | |    PP - Prepaid (by Seller) | |
| | | | |
| **B305** | **188** | **Weight Unit Code** | **O ID 1/2** |
| | | Code specifying the weight unit | |
| | |    L - Pounds | |
| | | | |
| **B306** | **373** | **Date** | **M DT 8/8** |
| | | Date expressed as CCYYMMDD | |
| | | Billing date. | |
| | | | |
| **B307** | **193** | **Net Amount Due** | **M N2 1/12** |
| | | Total charges to be paid by the receiver of this transaction set expressed in the standard monetary denomination for the currency specified | |
| | | Amount of freight bill. | |
| | | | |
| **B309** | **32** | **Delivery Date** | **M DT 8/8** |
| | | Date for delivery of cargo to final consignee expressed in format CCYYMMDD | |
| | | | |
| **B310** | **374** | **Date/Time Qualifier** | **M ID 3/3** |
| | | Code specifying type of date or time, or both date and time | |

**TRAFFIX**

**B311**     **140**     **Standard Carrier Alpha Code**        **M   ID 2/4**
Standard Carrier Alpha Code

| Segment: | **N9** Reference Identification |
|---|---|
| **Position:** | 060 |
| **Loop:** | |
| **Level:** | Heading |
| **Usage:** | Optional |
| **Max Use:** | 300 |
| **Purpose:** | To transmit identifying information as specified by the Reference Identification Qualifier |
| **Notes:** | At least 1, BM or CN, must be sent. |

### Data Element Summary

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| **N901** | **128** | **Reference Identification Qualifier** | C ID 2/3 |

Code qualifying the Reference Identification
*Mandatory*
BM - Bill of Lading*(Conditional)*
CN - Pro Number*(Conditional)*
*These qualifiers are sent over in the L1102's of the 204 message*
23 - TraffixClient Trading Partner ID
0N - Org Name *(AHF, LTLand Managed Services, or Logistics)*
ZC - Traffix Carrier Trading Partner ID

*Optional*
CR - Customer Reference Number
SI - Shipper's Identifying Number
PO - Purchase Order Number

| **N902** | **127** | **Reference Identification** | C AN 1/30 |
|---|---|---|---|

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

*The following are mandatory:*
N9*BM*Bill of Lading Number~ *(Conditional)*
N9*CN*Pro Number~ *(Conditional)*
N9*23*Value sent in the L1101 field 204 message for corresponding Qualifier 23~
N9*0N*Value sent in the L1101 field 204 message for corresponding Qualifier 0N~
N9*ZC*Value sent in the L1101 field 204 message for corresponding Qualifier ZC~

**TRAFFIX**

**Segment:** **G62** Date/Time
**Position:** 070
**Loop:**
**Level:** Heading
**Usage:** Optional
**Max Use:** 1
**Purpose:** To specify pertinent dates and times
**Notes:**

## Data Element Summary

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| G6201 | 432 | Date Qualifier | X ID 2/2 |
| | | Code specifying type of date | |
| | | 86 - Actual Pickup Date *(Mandatory)* | |
| | | 35 - Delivered on This Date *(Optional)* | |
| G6202 | 373 | Date | X DT 8/8 |
| | | Date expressed as CCYYMMDD | |

TRAFFIX

| Segment: | **R3** Route Information - Motor |
|---|---|
| **Position:** | 080 |
| **Loop:** | |
| **Level:** | Heading |
| **Usage:** | Optional |
| **Max Use:** | 12 |
| **Purpose:** | To specify carrier and routing sequences and details |

**Data Element Summary**

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| R301 | 140 | **Standard Carrier Alpha Code** | **M   ID 2/4** |
| | | Standard Carrier Alpha Code | |
| R302 | 133 | **Routing Sequence Code** | **M   ID 1/2** |
| | | Code describing the relationship of a carrier to a specific shipment movement | |
| | | O - Origin Carrier (Air, Motor, or Ocean) | |
| R304 | 91 | **Transportation Method/Type Code** | **O   ID 1/2** |
| | | Code specifying the method or type of transportation for the shipment | |
| | | M - Motor (Common Carrier) | |
| | | X - Intermodal (Piggyback) | |

**TRAFFIX**

| **Segment:** | **N1** Name |
|---|---|
| **Position:** | 110 |
| **Loop:** | 0100 |
| **Level:** | Heading |
| **Usage:** | Mandatory |
| **Max Use:** | 1 |
| **Purpose:** | To identify a party by type of organization, name, and code |

**Data Element Summary**

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

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

BT - Bill-to-Party
SH - Shipper
CN - Consignee
SF - Ship From
ST - Ship To

Not all are required; generally, two are expected. One indicating the Pick-up location (SH, SF) and one indicating the Delivery location (CN, ST)

| **N102** | **93** | **Name** | **M   AN 1/60** |
|---|---|---|---|

Free-form name

| **N103** | **66** | **Identification Code Qualifier** | **O   ID 1/2** |
|---|---|---|---|

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

Received in 204 Load Tender

| **N104** | **67** | **Identification Code** | **O   AN 2/80** |
|---|---|---|---|

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

Received in 204 Load Tender

**TRAFFIX**

**Segment: N3 Address Information**

| | |
|---|---|
| **Position:** | 070 |
| **Loop:** | 0100 |
| **Level:** | Heading |
| **Usage:** | Mandatory |
| **Max Use:** | 1 |
| **Purpose:** | To specify the location of the named party |
| **Notes:** | |

### Data Element Summary

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

TRAFFIX

**Segment:** **N4** **Geographic Location**
**Position:** 140
**Loop:** 0100
**Level:** Heading
**Usage:** Optional
**Max Use:** 1
**Purpose:** To specify the geographic place of the named party
**Notes:**


### Data Element Summary

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

**TRAFFIX**

**Segment:** **LX** Assigned Number
**Position:** 120
**Loop:** 0400
**Level:** Detail
**Usage:** Mandatory
**Max Use:** 1
**Purpose:** To reference a line number in a transaction set
**Notes:** This is a sequential number starting with one and incremented by one for every occurrence of the LX segment.

## Data Element Summary

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

**TRAFFIX**

| **Segment:** | **L5** Description, Marks and Numbers |
|---|---|
| **Position:** | 140 |
| **Loop:** | 0400 |
| **Level:** | Detail |
| **Usage:** | Mandatory |
| **Max Use:** | 30 |
| **Purpose:** | To specify the line item in terms of description, quantity, packaging, and marks and numbers |

### Data Element Summary

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| **L501** | **213** | **Lading Line Item Number** | **M   N0 1/3** |
| | | Sequential line number for a lading item | |
| | | This will be the same number that appears in the LX01. | |
| | | | |
| **L502** | **79** | **Lading Description** | **M   AN 1/50** |
| | | Description of an item as required for rating and billing purposes | |
| | | Commodity description. | |
| | | Charge Description | |

TRAFFIX

| Segment: | **L0** Line Item Quantity and Weight |
|---|---|
| **Position:** | 170 |
| **Loop:** | 0400 |
| **Level:** | Detail |
| **Usage:** | Optional |
| **Max Use:** | 10 |
| **Purpose:** | To specify quantity, weight, volume, and type of service for a line item including applicable "quantity/rate-as" data |

**Data Element Summary**

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| **L001** | **213** | **Lading Line Item Number** | **M N0 1/3** |
| | | Sequential line number for a lading item | |
| | | This will be the same number that appears in the LX01. | |
| | | Usually sent only once with the first LX loop | |
| **L002** | **220** | **Billed/Rated-as Quantity** | **M N0 1/11** |
| | | Basis for rating (miles, value, volume, etc). | |
| **L003** | **221** | **Billed/Rated-as Qualifier** | **M ID 2/2** |
| | | Code identifying the type of quantity or values on which the rate or item pricing is based | |
| **L004** | **81** | **Weight** | **M N0 1/10** |
| | | Numeric value of weight | |
| **L005** | **187** | **Weight Qualifier** | **M ID 1/2** |
| | | Code identifying the type of weight | |
| | |   L - Pounds | |
| **L008** | **80** | **Lading Quantity** | **O N0 1/7** |
| | | Number of units (pieces) of the lading commodity | |
| **L009** | **211** | **Packaging Form Code** | **O ID 3/3** |
| | | Code for packaging form of the lading quantity | |
| **L011** | **188** | **Weight Unit Code** | **O ID 1/1** |
| | | Code specifying the weight unit | |

TRAFFIX

**Segment:** ## L1 Rate and Charges

| | |
|---|---|
| **Position:** | 180 |
| **Loop:** | 0400 |
| **Level:** | Detail |
| **Usage:** | Mandatory |
| **Max Use:** | 10 |
| **Purpose:** | To specify rate and charges detail relative to a line item including freight charges, advances, special charges, and entitlements |

**Data Element Summary**

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| **L101** | **213** | **Lading Line Item Number** | **M  N0 1/3** |
| | | Sequential line number for a lading item | |
| | | This will be the same number that appears in the LX01. | |
| | | | |
| **L102** | **60** | **Freight Rate** | **C  R  1/9** |
| | | Rate that applies to the specific commodity | |
| | | Expressed in USD or CAD | |
| | | Must provide L103 if L102 is used | |
| **L103** | **122** | **Rate/Value Qualifier** | **C  ID 2/2** |
| | | Code qualifying how to extend charges or interpret value | |

    FR - Flat Rate
    PM - Per Mile

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| **L104** | **58** | **Charge** | **M  N2 1/12** |
| | | For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified | |
| | | Expressed in USD or CAD | |
| | | | |
| **L108** | **150** | **Special Charge or Allowance Code** | **O  ID 3/3** |
| | | Code identifying type of special charge or allowance | |

    405 - Fuel Surcharge
    DET - Detention of Trailers
    DTL - Detention Loading
    DTU - Detention Unloading
    FUE - Fuel Charge
    LAA - Labor Charge
    LAY - Layover Charge
    SEG - Sort and Segregation
    SOC - Stop-off Charge
    STR - Storage In-transit
    VOR - Vehicle Ordered Not Used (TONU)

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| **L112** | **276** | **Special Charge Description** | **O  AN 2/25** |
| | | Identification of special charge | |

**TRAFFIX**

| Segment: | **L3** Total Weight and Charges |
| --- | --- |
| **Position:** | 010 |
| **Loop:** | |
| **Level:** | Summary |
| **Usage:** | Mandatory |
| **Max Use:** | 1 |
| **Purpose:** | To specify the total shipment in terms of weight, volume, rates, charges, advances, and prepaid amounts applicable to one or more line items |

**Data Element Summary**

| Ref. Des. | Data Element | Name | Attributes |
| --- | --- | --- | --- |
| L301 | 81 | **Weight** <br> Numeric value of weight | **M  R  1/10** |
| L302 | 187 | **Weight Qualifier** <br> Code defining the type of weight <br> G - Gross Weight | **M  ID 1/2** |
| L304 | 122 | **Rate/Value Qualifier** <br> Code Qualifying how to extend charges or interpret value | **O  ID 2/2** |
| L305 | 58 | **Charge** <br> For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified <br> Expressed in USD or CAD | **M  N2 1/12** |
| L311 | 80 | **Lading Quantity** <br> Number of units (cases) of the lading commodity | **O  N0 1/7** |
| L312 | 188 | **Weight Unit Code** <br> Code specifying the weight unit | **O  ID 1/1** |

TRAFFIX

**Segment:** **SE** **Transaction Set Trailer**
**Position:** 020
**Loop:**
**Level:** Summary
**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)

### Data Element Summary

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

**TRAFFIX**

# Sample 210

```
ISA*00*          *00*          *02*TEST          *02*TFXE                  *230220*1932*U*00401*214000083*0*T*:~
GS*IM*TEST*TFXE*20230220*1932*210083*X*004010~
ST*210*0320~
B3**3900288*T00152921*PP**20230220*120000**20230220*035*TEST*20230215~
C3*USD~
N9*BM*T00152921~
N9*CN*3900288~
N9*0N*LTL AND MANAGED SERVICES~
N9*23*TEST CLIENT TRADING PARTNER ID~
N9*ZC*TEST CARRIER TRADING PARTNER ID~
G62*86*20230215~
R3*TEST*O**M~
N1*SH*SHIPPER COMPANY~
N3*800 WHITE RD.~
N4*JACKSONVILLE*FL*32218*USA~
N1*CN*WAREHOUSE B~
N3*6999 SQUARE CT~
N4*ROANOKE*TX*76262*USA~
LX*1~
L5*1*LINE CHARGE~L0*1***44131*G***2880*PCS**L~
L1*1*1200*FR*120000********LINE CHARGE~
L3*44131*G***120000*****2880*L~
SE*19*0320~
GE*1*210083~
IEA*1*214000083~
```

TRAFFIX