

GTMS 210 EDI Data Mapping for Freight and Parcel

ANSI X12 v401 210

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Notes:

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Terminology

Required	Absolutely must be included.
Suggested	GTMS suggests use
Used	GTMS will store, is not necessary
Not Used	GTMS will not store, but can be sent

210 Freight and Parcel Invoice details

File Heading: Used Once per File

<u>Ref</u>	<u>Qualifier</u>	<u>Segment Name</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>	<u>Notes</u>
ISA		Interchange Control Header	1	No	Required	
GS		Functional Group Header	1	No	Required	

Shipment Info: Used Once per Shipment

<u>Ref</u>	<u>Qualifier</u>	<u>Segment Name</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>	<u>Notes</u>
ST		Transaction Set Header	1	No	Required	
B3		Beginning Segment For Invoice	1	No	Required	

Shipment Info: Repeated Several times per shipment

<u>Ref</u>	<u>Qualifier</u>	<u>Segment Name</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>	<u>Notes</u>
N9	ID	Reference Identification	1	No	Required	Given by GTMS
G62		Delivery Date	1	No	Required	
N1		Name		Yes	Required	
N3		Address 1		Yes	Required	
N4		Geographic location		Yes	Required	
LX		Loop Number		Yes	Suggested	
L5		Description Marks, and numbers		Yes	Suggested	

Shipment details: Used Once per Shipment

<u>Ref</u>	<u>Qualifier</u>	<u>Segment Name</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>	<u>Notes</u>
L0		Line Item - Quantity and Weight		No	No	
L1		Rate and Charges	10	No	Required	
L7		Tarif Reference	10	No	Depends	
L3		Total Weight and Charges		No		
SE		Transaction Set Header		No		

File Footer: Used Once per File

<u>Ref</u>	<u>Qualifier</u>	<u>Segment Name</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>	<u>Notes</u>
GE		Functional Group Header	1	No	Required	
IEA		Interchange Control Header	1	No	Required	

ISA Interchange Control Header

Element Summary:

<u>REF</u>	<u>Element #</u>	<u>Element Name</u>	<u>Usage</u>	<u>Notes</u>
ISA	1	Authorization Information Qualifier Description: Code to identify the type of information in the Authorization Information. All valid standard codes are used.	Required	
ISA	2	Authorization Information Description: Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier	Required	
ISA	3	Security Information Qualifier Description: Code to identify the type of information in the Security Information. All Valid standard codes are used.	Required	
ISA	4	Security Information Description: This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier	Required	
ISA	5	Interchange ID Qualifier Description: Identification code published by the sender for other parties to use as the receiver ID to Route data to them; the sender always codes this value in the sender ID element.	Required	
ISA	6	Interchange Sender ID Description: SCAC Code	Required	SCAC code
ISA	7	Interchange ID Qualifier Description: Qualifier to designate the system/ method of code structure used to designate the sender or receiver ID element Being Qualified.	Required	ZZ
ISA	8	Interchange Receiver ID Description: Code to identify the type of information in the Authorization Information. All valid standard codes are used.	Required	GTMS-BILLING

ISA Element Summary: Contd.

<u>REF</u>	<u>Element #</u>	<u>Element Name</u>	<u>Usage</u>	<u>Notes</u>
ISA	9	Interchange Date Description: Date of Interchange as YYMMDD	Required	Eg. 190424
ISA	10	Interchange Time Description: Time of the Interchange	Suggested	
ISA	11	Interchange Control Standards Identifier Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer.	Required	
ISA	12	Interchange Control Version Number Description: Code Specifying the version number of the interchange control segments	Required	
ISA	13	Interchange Control Number Description: A control number assigned by the interchange sender	Required	
ISA	14	Acknowledgement Request Description: Code sent by the sender to request an interchange acknowledgment (TA1)	Required	
ISA	15	Usage Indicator Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information	Required	
ISA	16	Component Element Separator Description: Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator	Required	Must be *

Example:

```
ISA*00**00**ZZ*XXXX*ZZ*GTMS-BILLING
*190524*1428*U*00401*000000430*0*P*:
```

GS Functional Group Header

Element Summary:

<u>REF</u>	<u>Element #</u>	<u>Element Name</u>	<u>Usage</u>	<u>Notes</u>
GS	1	Functional Identifier Code Description: Code identifying a group of application related transaction sets <u>Code</u> <u>Name</u> IM Motor Carrier Freight Details Invoice	Required	IM
GS	2	Application Senders Code Description: Code Identifying party sending transmission; codes agreed to by trading	Required	SCAC Code
GS	3	Application Receiver's Code Description: Code identifying party receiving party receiving transmission; codes agreed to by trading partners	Required	GTMS
GS	4	Date Sent Description: Date Expressed As YYYYMMDD	Required	E.g. 20190424
GS	5	Time Sent Description: 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), SS = milliseconds (00-59), D = decimal seconds (0-9) and DD = Hundredth seconds (00-99)	Required	E.g. 0914 / 091436
GS	6	Control Group Number Description: Assigned number originated and maintained by the sender	Required	
GS	7	Responsible Agency Code Description: Code Identifying the issuer of the standard; this code is used in conjunction with GS*08	Required	
GS	8	Version / Release / Industry Identifier Code Description: Required to be 004010 <u>Code</u> <u>Name</u> IM Draft Standard Approved for Publication by ASC X12 Procedures Review Board through October 1997	Required	004010

ST Transaction Set Header

Element Summary:

<u>REF</u>	<u>Element #</u>	<u>Element Name</u>	<u>Usage</u>	<u>Notes</u>
ST	1	Transaction Set Identifier Code Description: Which type of EDI Document is being sent.	Required	210
		<u>Code</u> <u>Name</u>		
		210 Motor Carrier Freight Details and Invoice		
ST	2	Transaction Set Control Number Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	Suggested	

Example:

ST*210*85966

B3 Beginning Segment for Carrier's Invoice

Element Summary:

<u>REF</u>	<u>Element #</u>	<u>Element Name</u>	<u>Usage</u>	<u>Notes</u>
B3	1	Shipment Qualifier Description: Code defining relationship of this shipment with respect to other shipments given to the carrier at the same time All valid standard codes are used	Required	
B3	2	Invoice Number Description: Unique Identifying number assigned by issuer	Required	
B3	3	Shipment Identification Number Description: Identification number assigned to the shipment by 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)	Suggested	
B3	4	Shipment Method of Payment Description: Code identifying payment terms for transportation charges. Prepaid = PP, Third Party = TP, Collect = CC	Required	
B3	5	Weight Unit Code Description: Code specifying the weight unit. All valid standard codes are used.	Used	
B3	6	Invoice Date Description: Date invoiced to the customer. Sent as YYYYMMDD	Required	
B3	7	Net Amount Due Description: Total charges to be paid by the receiver of this transaction set expressed in the standard monetary demonization for the currency specified	Required	
B3	8	Correction Indicator Description: Code used to indicate that the transaction set contains information which corrects previous information	Required	

B3 Element Summary: Contd.

<u>REF</u>	<u>Element #</u>	<u>Element Name</u>	<u>Usage</u>	<u>Notes</u>
B3	9	Delivery Date Description: Actual date of delivery of cargo to final consignee or next mode. Expressed in format YYYYMMDD	Required	
B3	10	Date / Time Qualifier Description: Unique Identifying number assigned by issuer	Not Used	
B3	11	Standard Carrier Alpha Code Description: Standard Alpha Carrier Code	Required	SCAC
B3	12	Date	Not Used	
B3	13	Tarif Service Code Description: Code specifying the types of services for rating purposes All Valid standard codes are used.	Used	
B3	14	Transportation Terms Code Description: Code Identifying the trade terms which apply to the shipment transportation responsibility All valid standard codes are used.	Not Used	

Element Notes:

This element must be used at least once in each file.

May be used multiple times in a single file.

If all B3 elements are the same between multiple invoices, they may shar

Example:

B3R415844661*R415844661*TP*L*20190515*13661**
****20190502*035*XXXX**

N9 Reference Identification

Element Summary:

<u>REF</u>	<u>Element #</u>	<u>Element Name</u>	<u>Usage</u>	<u>Notes</u>																		
N9	1	Reference Identification Qualifier Description: Code qualifying the Reference Identification All valid standard codes are used.		Can send multiple times with different codes																		
		<table><tr><th><u>Code</u></th><th><u>Name</u></th><th></th></tr><tr><td>ID</td><td>GTMS Client Identification Number</td><td>Required</td></tr><tr><td>PO</td><td>Purchase order Number</td><td>Suggested</td></tr><tr><td>BM</td><td>BOL Number</td><td>Suggested</td></tr><tr><td>11</td><td>Account Number</td><td>Used</td></tr><tr><td>DO</td><td>Delivery Order Number</td><td>Used</td></tr></table>	<u>Code</u>	<u>Name</u>		ID	GTMS Client Identification Number	Required	PO	Purchase order Number	Suggested	BM	BOL Number	Suggested	11	Account Number	Used	DO	Delivery Order Number	Used		Used by GTMS for Identifying Clients Eg. N9*ID*40
<u>Code</u>	<u>Name</u>																					
ID	GTMS Client Identification Number	Required																				
PO	Purchase order Number	Suggested																				
BM	BOL Number	Suggested																				
11	Account Number	Used																				
DO	Delivery Order Number	Used																				
N9	2	Reference Identification Number Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	Required																			

Example:

N9*PO*240379613-1PARTS

N9*ID*40

G62

Date / Time

Element Summary:

<u>REF</u>	<u>Element #</u>	<u>Element Name</u>	<u>Usage</u>	<u>Notes</u>
G62	1	Date Qualifier		Can send multiple times with different codes
		<u>Code</u> <u>Name</u>		
		11 Shipped on this Date	Not Used	
		86 Actual Pickup Date	Suggested	
G62	2	Date	Suggested	
		Description: Date Expressed as YYYYMMDD		

Example

G62*86*20190430*8*1500*LT

N1 Name

Element Summary:

<u>REF</u>	<u>Element #</u>	<u>Element Name</u>	<u>Usage</u>	<u>Notes</u>
N1	1	Entity Identifier Code	Required	
		Description: Code Identifying an organizational entity, a physical location, property or an individual		
		<u>Code</u> <u>Name</u>		
		SH Shipper	Required	
		BT Bill to	Required	
		CN Consignee	Required	
N1	2	Name	Required	
		Description: Free-form name		

N3 Address

Element Summary:

<u>REF</u>	<u>Element #</u>	<u>Element Name</u>	<u>Usage</u>	<u>Notes</u>
N3	1	Address Information	Required	
		Description: Free-form Address information		
N3	2	Address Information	Used	
		Description: Free-form Address information		

N4 Geographic location

Element Summary:

<u>REF</u>	<u>Element #</u>	<u>Element Name</u>	<u>Usage</u>	<u>Notes</u>
N4	1	City Name	Required	
		Description: Free-form text for city name		
N4	2	State or Province Code	Required	
		Description: 2 letter state or province code		
N4	3	Postal Code	Required	
		Description: Code defining international postal code		
N4	4	Country Code	Required	
		Description: Code Identifying the Country		

LX Assigned Number

Element Summary:

<u>REF</u>	<u>Element #</u>	<u>Element Name</u>	<u>Usage</u>	<u>Notes</u>
LX	1	Assigned Number Description: Used to loop through multiple charges or bits of information.	Used	

Notes

If there are several invoices that use the same B3 information, The LX loop may be used to separate invoices.

L5

Description, Marks & Numbers

Element Summary:

<u>REF</u>	<u>Element #</u>	<u>Element Name</u>	<u>Usage</u>	<u>Notes</u>
L5	1	Lading Line Item Number	Required	
		Description: Sequential line number for a lading item		
L5	2	Lading Description	Used	
		Description: Description of an item as required for rating and billing purposes		
L5	3	Commodity Code	Used	
		Description: Code describing a commodity or group of commodities		
L5	4	Commodity Code Qualifier	Used	
		Description: Code Identifying the commodity coding system for Commodity Code		

Example:

L5*1*FURNITURE ITEMS

L0 Line Item - Quantity and Weight

Element Summary:

<u>REF</u>	<u>Element #</u>	<u>Element Name</u>	<u>Usage</u>	<u>Notes</u>
L0	1	Lading Line Item Number Description: Sequential line number for a lading item	Used	Required if any L0 items exist
L0	2	Billed/Rate-as Quantity Description: Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either L0*02 or L0*04	Used	
L0	3	Billed/ Rated-as Qualifier Description: Code identifying the type of quantity or value on which the rate or item pricing is based	Used	
L0	4	Weight Description: Numeric Value of weight	Used	
L0	5	Weight Qualifier Description: Code defining the type of weight <u>Code</u> <u>Name</u> G Gross Weight		
L0	8	Lading Quantity Description: Number of units (pieces) of the lading commodity	Used	
L0	9	Packing Form Code Description: Code for packaging form of the lading quantity. All valid standard codes are used.	Used	

Example

L0*1***592*B***5*PCS**L

L1

Rate and Charges

Element Summary:

<u>REF</u>	<u>Element #</u>	<u>Element Name</u>	<u>Usage</u>	<u>Notes</u>
L1	1	Lading Line Item Number	Required	
		Description: Sequential line number for a lading item		
L1	2	Freight Rate	Used	
		Description: Rate that applies to the specific commodity		
L1	3	Rate/Value Qualifier	Used	
		Description: Code qualifying how to extend charges or interpret value		
L1	4	All valid standard codes are used.		
		Charge	Used	
		Description: 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		
L1	5	Special Charge or Allowance Code	Used	
		Description: Code identifying type of special charge or allowance		
L1	6	Special Charge Description	Used	
		Description: Identification of special charge; this data element is used whenever an applicable code cannot be found in data element 150		

Example:

L1*1*11000****LHS****LINEHAUL CHARGE**
L1*2*1000****445****ADT L LIABILITY**
L1*3*1661****405****FUEL SURCHARGE**

L7

Tarif Reference

Element Summary:

<u>REF</u>	<u>Element #</u>	<u>Element Name</u>	<u>Usage</u>	<u>Notes</u>
L7	1	Lading Line Item Number Description: Sequential line number for a lading item	Used	
L7	7	Freight Class Code Description: Code indicating generalized classification that applies to one or more items in the shipment	Used	

L3

Total Weight and Charges

Element Summary:

<u>REF</u>	<u>Element #</u>	<u>Element Name</u>	<u>Usage</u>	<u>Notes</u>
L3	1	Weight Description: Numeric Value of weight	Required	
L3	2	Weight Qualifier Description: Code Defining the type of weight <u>Code</u> <u>Name</u> G Gross Weight	Required	
L3	5	Charge Description: Total charge of weight shipped	Suggested	

Example:

L3*69*B*13661*****1***

SE Transaction Set Trailer

Element Summary:

<u>REF</u>	<u>Element #</u>	<u>Element Name</u>	<u>Usage</u>	<u>Notes</u>
SE	1	Number of included Segments Description: Total number of segments included in a transaction set including ST and SE segments	Used	
SE	2	Transaction Set Control Number Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	Used	

Example:

SE*26*85967

GE Functional Group Trailer

Element Summary:

<u>REF</u>	<u>Element #</u>	<u>Element Name</u>	<u>Usage</u>	<u>Notes</u>
GE	1	Number of transaction Sets Included Description: Total number of transaction sets included in the functional group or interchange(transmission) group terminated by the trailer containing this data element.	Required	
GE	2	Group Control Number Description: Assigned number originated and maintained by the sender	Required	

Example

GE*2*430

IEA Interchange Control Trailer

Element Summary:

<u>REF</u>	<u>Element #</u>	<u>Element Name</u>	<u>Usage</u>	<u>Notes</u>
IEA	1	Number of Included Functional Groups Description: A count of the number of functional groups included in an interchange	Required	
	2	Interchange Control Number Description: A control number assigned by the interchange sender	Required	

Example:

IEA*1*000000430

EXAMPLE:

GS*IM*XXXX*GTMS-BILLING*20190424*1428*430*X*004010
ST*210*85966
B3**123456789000*211073118*TP*L*20190424*34014**20190401*035*XXXX
C3*USD
N9*SI*211073118
N9*CR*OHS
N9*PO*251911748
N9*PU*211073118
N9*ID*40
G62*86*20190430*8*1500*LT
R3*XXXX*B*****DS
N1*SH*SHERLOCK HOLMES*93*RG512345
N3*221B BAKER ST*UNIT B
N4*LONDON**95691*UK
N1*CN*HARRY POTTER *93*ELLE53462
N3*4 PRIVET DRIVE*
N4*LITTLE WHINGING *SU*46220*UK
N1*BT*ELMO*93*FANC54321A
N3*123 SESAME ST* APT 123
N4*SALT LAKE CITY*UT*84121*US
LX*1
POD*20190507*1123*KENNEDY
L5*1*FURNITURE ITEMS
L0*1***592*B***5*PCS**L
L1*1***28416****LHS****LINEHAUL CHARGE
L1*2***5598****405****FUEL SURCHARGE
L4*32*30*37*N*5
L3*592*B***34014*****5*L
SE*28*85966
ST*210*85967
B3**R415844661*R415844661*TP*L*20190515*13661**20190502*035*XXXX
C3*USD
N9*PO*240379613-1PARTS
N9*ID*40
G62*86*20190424*8*1700*LT
R3*XXXX*B*****ID
N1*SH*P. SHERMAN*93*RG512345
N3*42 WALLABY WAY*
N4*SYDNEY **95691*AU
N1*CN*MARTY MCFLY*93*HOME14601
N3*1640 RIVERSIDE DRIVE*
N4*SUNNYDALE *CA*60143*US
N1*BT*TYLER DURDEN*93*OVER63841A
N3*420 PAPER ST
N4*NEW YORK CITY *NY*84121*US
LX*1
POD*20190502*0817*HOMELEGANCE
L5*1*FURNITURE ITEMS
L0*1***69*B***1*PCS**L
L1*1***11000****LHS****LINEHAUL CHARGE
L1*2***1000****445****ADT L LIABILITY
L1*3***1661****405****FUEL SURCHARGE
L4*35*63*7*N*1
L3*69*B***13661*****1*L
SE*26*85967
GE*2*430
IEA*1*000000430