

TForce Freight
210 Motor Carrier Freight Details and Invoice v4010 Specifications

<u>Pos. No.</u>	<u>Seg. ID.</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max User</u>	<u>Repeat</u>
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	
LOOP ID – 0100					10
110	N1	Name	O	1	
120	N2	Address Name Information	O	1	
130	N3	Address Information	O	2	
140	N4	Geographic Location	O	1	
LOOP ID – 0400					9999
120	LX	Assigned Number	O	1	
140	L5	Description, Marks and Numbers	O	30	
170	L0	Line Item – Quantity and Weight	O	10	
180	L1	Rates and Charges	O	10	
200	L7	Tariff Reference	O	10	
010	L3	Total Weight and Charges	O	1	
020	SE	Transaction Set Trailer	M	1	

The italic Mandatory or Optional information displayed at the right of every segment heading determines whether the information is required by Overnite.

ISA - Interchange Control Header	<i>Mandatory</i>
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ANSI <u>CODE</u> <u>ID</u>	ELEMENT <u>DESCRIPTION</u>	<u>REQ</u>	<u>TYPE</u>	<u>MIN/MAX</u>	<u>CONTENTS</u>
ISA01 I01	Authorization Info Qual.	M	ID	2/2	'00'
ISA03 I03	Security Info Qual.	M	ID	2/2	'00'
ISA05 I05	Interchange ID Qual.	M	ID	2/2	'02'
ISA06 I06	Interchange Sender ID	M	AN	15/15	'UPGF'
ISA07 I05	Interchange ID Qualifier	M	ID	2/2	
ISA08 I07	Interchange Receiver ID	M	AN	15/15	
ISA09 I08	Interchange Date	M	DT	6/6	
ISA10 I09	Interchange Time	M	TM	4/4	
ISA11 I10	Interchange Control Standards Identifier	M	ID	1/1	'U'
ISA12 I11	Interchange Control Version Number	M	ID	5/5	'00400'
ISA13 I12	Interchange Control Number	M	N0	9/9	
ISA14 I13	Acknowledgment Requested	M	ID	1/1	'0'
ISA15 I14	Test Indicator	M	ID	1/1	'P'
ISA16 I15	Component Element Separator	M		1/1	'>'

GS - Functional Group Header	<i>Mandatory</i>
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ANSI <u>CODE</u> <u>ID</u>	ELEMENT <u>DESCRIPTION</u>	<u>REQ</u>	<u>TYPE</u>	<u>MIN/MAX</u>	<u>CONTENTS</u>
GS01 479	Functional ID Code	M	ID	2/2	'IM'
GS02 142	Application Sender's Code	M	AN	2/15	'UPGF'
GS03 124	Application Receiver's Code	M	AN	2/15	
GS04 373	Group Date	M	DT	8/8	
GS05 337	Group Time	M	TM	4/4	
GS06 28	Group Control No.	M	N0	1/9	
GS07 455	Responsible Agency Code	M	ID	1/2	'X'
GS08 480	Version/Release Indicator	M	AN	1/12	'004010'

ST - Transaction Set Header	<i>Mandatory</i>
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Purpose: *To indicate the start of a transaction set and to assign a control number*

ANSI <u>CODE</u> <u>ID</u>	ELEMENT <u>DESCRIPTION</u>	<u>REQ</u>	<u>TYPE</u>	<u>MIN/MAX</u>	<u>CONTENTS</u>
ST01 143	Transaction Identifier Identifier	M	ID	3/3	'210'
ST02 329	Transaction Set Control Number	M	AN	4/9	

B3 - Beginning Segment for Carrier's Invoice*Mandatory***Purpose:** *To transmit basic data relating to the carrier's invoice*

<u>ANSI CODE</u>	<u>ID</u>	<u>ELEMENT DESCRIPTION</u>	<u>REQ</u>	<u>TYPE</u>	<u>MIN/MAX</u>	<u>CONTENTS</u>
B302	76	Invoice Number	M	AN	1/22	Carrier Pro Number
B303	145	Shipment Identification Number	O	AN	1/30	Bill of Lading Number
B304	146	Shipment Method of Payment	M	ID	2/2	'CC'-Collect 'PP'-Prepaid 'TP'-Third Party
B305	188	Weight Unit Code	O	ID	1/1	
B306	373	Date	M	DT	8/8	Invoice Date
B307	193	Net Amount Due	M	N2	1/12	
B308	202	Correction Indicator	O	ID	2/2	'BD'-Balance Due 'RC'-Revenue Correction
B309	32	Delivery Date	X	DT	8/8	Required on Collect Shipments
B310	374	Date/Time Qualifier	X	ID	3/3	'035-Delivery Date
B311	140	Standard Carrier Alpha Code	M	ID	2/4	'UPGF'
B312	373	Date	O	ID	8/8	Pick-up Date

N9 - Reference Identification*Optional***Purpose:** *To transmit identifying information as specified by the Reference Identification Qualifier*

<u>ANSI CODE</u>	<u>ID</u>	<u>ELEMENT DESCRIPTION</u>	<u>REQ</u>	<u>TYPE</u>	<u>MIN/MAX</u>	<u>CONTENTS</u>
N901	128	Reference Number Qualifier	M	ID	2/3	'PO'-Purchase Order Number 'BM'-Bill of Lading Number 'BN'-Booking Number 'CR'-Customer Reference Number 'SI'-Shipper's Identification Number
N902	127	Reference Identification	X	AN	1/30	

G62 – Date/Time*Optional***Purpose:** *To specify pertinent dates and times*

<u>ANSI CODE</u>	<u>ID</u>	<u>ELEMENT DESCRIPTION</u>	<u>REQ</u>	<u>TYPE</u>	<u>MIN/MAX</u>	<u>CONTENTS</u>
G6201	432	Date Qualifier	X	ID	2/2	'86'-Actual Pickup Date '35'-Delivered on this Date
G6202	373	Date	X	DT	8/8	

N1 – Name*Optional***Purpose:** *To identify a party by type of organization, name and code*

<u>ANSI CODE</u>	<u>ID</u>	<u>ELEMENT DESCRIPTION</u>	<u>REQ</u>	<u>TYPE</u>	<u>MIN/MAX</u>	<u>CONTENTS</u>
N101	98	Entity Identifier	M	ID	2/3	'SH' - Shipper 'CN' – Consignee 'BT'-Bill To
N102	93	Name	C	AN	1/60	
N103	66	Identification Code Qualifier	C	ID	1/2	'ZZ' - Mutually Defined
N104	67	Identification Code	C	AN	2/80	

N3 - Address Information*Optional***Purpose:** *To specify the location of the named party*

<u>ANSI CODE</u>	<u>ID</u>	<u>ELEMENT DESCRIPTION</u>	<u>REQ</u>	<u>TYPE</u>	<u>MIN/MAX</u>	<u>CONTENTS</u>
N301	166	Address	M	AN	1/5	

N4 - Geographic Location*Optional***Purpose:** *To specify the geographic place of the name party*

<u>ANSI CODE</u>	<u>ID</u>	<u>ELEMENT DESCRIPTION</u>	<u>REQ</u>	<u>TYPE</u>	<u>MIN/MAX</u>	<u>CONTENTS</u>
N401	19	City Name	O	AN	2/30	
N402	156	State/Province Code	O	ID	2/2	
N403	116	Postal Code	O	ID	3/15	
N404	26	Country Code	O	ID	2/3	

LX - Assigned Number	<i>Mandatory</i>
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Purpose: *To reference a line number in a transaction set*

<u>ANSI</u>	<u>ELEMENT</u>		<u>REQ</u>	<u>TYPE</u>	<u>MIN/MAX</u>	<u>CONTENTS</u>
<u>CODE</u> <u>ID</u>	<u>DESCRIPTION</u>					
LX01	554	Assigned Number	M	N0	1/6	

L5 – Description, Marks and Numbers	<i>Mandatory</i>
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Purpose: *To specify the line item in terms of description, quantity, packaging, and marks and numbers*

<u>ANSI</u>	<u>ELEMENT</u>		<u>REQ</u>	<u>TYPE</u>	<u>MIN/MAX</u>	<u>CONTENTS</u>
<u>CODE</u> <u>ID</u>	<u>DESCRIPTION</u>					
L501	213	Lading Line Item Number	O	N0	1/3	
L502	79	Lading Description	O	AN	1/50	

L0 – Line Item – Quantity and Weight	<i>Mandatory</i>
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Purpose: *To specify quantity, weight, volume and type of service for a line item including applicable 'quantity/rate-as' data*

<u>ANSI</u>	<u>ELEMENT</u>		<u>REQ</u>	<u>TYPE</u>	<u>MIN/MAX</u>	<u>CONTENTS</u>
<u>CODE</u> <u>ID</u>	<u>DESCRIPTION</u>					
L001	213	Lading Line Item Number	O	N0	1/3	
L004	81	Weight	X	R	1/10	
L005	187	Weight Qualifier	X	ID	1/2	'G'-Gross Weight
L008	80	Lading Quantity	X	N0	1/7	
L009	211	Packaging Form Code	X	ID	3/3	'BAG'-Bag 'BBL'-Barrel 'BDL'-Bundle 'BIN'-Bin 'BOX'-Box 'CAG'-Cage 'CAN'-Can 'CAS'-Case 'CNT'-Container 'CYL'-Cylinder 'CRT'-Crate 'DBK'-Dry Bulk 'ENV'-Envelope 'HRB'-On hanger or rack in boxes 'PCS'-Pieces 'PKG'-Package 'PLT'-Pallet 'RCK'-Rack 'SKD'-Skid 'TBE'-Tube 'TRY'-Tray 'UNT'-Unit

L1 – Rate and Charges*Mandatory*

Purpose: *To specify rate and charges detail relative to a line item including freight charges, advances, special charges, and entitlements*

<u>ANSI CODE</u>	<u>ID</u>	<u>ELEMENT DESCRIPTION</u>	<u>REQ</u>	<u>TYPE</u>	<u>MIN/MAX</u>	<u>CONTENTS</u>
L101	213	Lading Line Item Number	O	N0	1/3	
L102	60	Freight Rate	X	R	1/9	
L103	122	Rate/Value Qualifier	X	ID	2/2	'FR'-Flat Rate 'MN'-Minimum 'PF'-Per Cubic Foot 'PG'-Per Gallon 'PH'-Per Hundred (of Basic Unit) 'PL'-Per Load 'PM'-Per Mile 'PP'-Per Piece 'PS'-Per Shipment 'PU'-Per Unit 'SY'-Square Yard
L104	58	Charge	X	N2	1/12	A negative number represents a discount
L105	191	Advances	X	N2	1/12	Incidental charges
L106	117	Prepaid Amount	X	N2	1/9	Money paid at point of origin
L108	150	Special Charge/Allowance Code	O	ID	3/3	*See Attached List

L7 – Tariff Reference*Optional*

Purpose: *To reference details of the tariff used to arrive at applicable rates or charge*

<u>ANSI CODE</u>	<u>ID</u>	<u>ELEMENT DESCRIPTION</u>	<u>REQ</u>	<u>TYPE</u>	<u>MIN/MAX</u>	<u>CONTENTS</u>
L701	213	Lading Line Item Number	O	N0	1/3	
L707	59	Freight Class Code	O	AN	2/5	

L3 – Total Weight and Charges*Optional*

Purpose: *To specify the total shipment in terms of weight, volume, rates, charges, advances, and prepaid amounts applicable to one or more line items*

<u>ANSI CODE</u>	<u>ID</u>	<u>ELEMENT DESCRIPTION</u>	<u>REQ</u>	<u>TYPE</u>	<u>MIN/MAX</u>	<u>CONTENTS</u>
L301	81	Weight	X	R	1/10	
L302	187	Weight Qualifier	X	ID	1/2	'G'
L305	58	Charge	O	N2	1/12	Total charges
L306	191	Advances	O	N2	1/9	
L307	117	Prepaid Amount	O	N2	1/9	
L311	80	Lading Quantity	O	N0	1/7	Total lading quantity

SE - Transaction Set Trailer*Mandatory*

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)*

<u>ANSI CODE</u>	<u>ID</u>	<u>ELEMENT DESCRIPTION</u>	<u>REQ</u>	<u>TYPE</u>	<u>MIN/MAX</u>	<u>CONTENTS</u>
SE01	96	Number of included segments	M	N0	1/10	
SE02	329	Transaction Set Control Number	M	AN	4/9	

GE - Functional Group Trailer*Mandatory*

<u>ANSI CODE</u>	<u>ID</u>	<u>ELEMENT DESCRIPTION</u>	<u>REQ</u>	<u>TYPE</u>	<u>MIN/MAX</u>	<u>CONTENTS</u>
GE01	97	Number of Transaction Sets Included	M	N0	1/6	
GE02	28	Group Control Number	M	N0	1/9	

IEA - Interchange Control Trailer*Mandatory*

<u>ANSI CODE</u>	<u>ID</u>	<u>ELEMENT DESCRIPTION</u>	<u>REQ</u>	<u>TYPE</u>	<u>MIN/MAX</u>	<u>CONTENTS</u>
IEA01	I16	Number of Included Functional Groups	M	N0	1/5	
IEA02	I12	Interchange Control Number	M	N0	9/9	

Special Charge/Allowance Codes

Special Charge/ Allowance Code	Description
ADH	Advance Charges Handling
BND	Bond Charges
COL	Fee for Collecting COD Charge
CUA	Currency Adjustment
DAA	Deficit Freight
DET	Detention of Trailers
DOC	Documentation Charge
DSC	Discount
EIC	Export/Import Charge
FUE	Fuel Charge
HAZ	Hazardous Cargo Charge
IDL	Inside Delivery
IIA	Invoice Adjustment
ILD	Island Delivery Charge
ILP	Island Pick-Up Charge
IPU	Inside Pick-up
LFT	Lift Gate or Forklift Service
MFC	Manifest Charge
MRK	Marking or Tagging Charge
MSC	Other Accessorial Service Charge
MSG	Miscellaneous Charge
NCH	Order Notify Charge
NFY	Carrier Notification Charge
PAE	Premium Transportation
PWT	Pallet Allowance
RCC	Reconsignment Charge
RCL	Redelivery
RES	Residential Delivery
SEG	Segregating (Sorting)
SER	Service Charge
SOC	Stop-off Charge
SRG	Storage
UND	Unloading Allowance

Example of EDI Motor Carrier Freight Details and Invoice (210)

ISA*00* *00* *02*UPGF *02*004999999
*000817*2119*U*00400*000000001*0*P*>
GS*IM*UPGF*7181654261*20000725*0837*427*X*004010
ST*210*004270001
B3**786394836*408677*PP**20000725*8248*RC***UPGF
N9*PO*143933016
G62*86*20000713
N1*SH*SOME COMPANY PRODUCTS
N3*5145 W 78TH ST
N4*INDIANAPOLIS*IN*462684138
N1*CN*SOME CONSIGNEE STORE
N3*7770 RICHMOND HWY
N4*ALEXANDRIA*VA*22313
LX*1
L5*1*ELECTRIC EXTENSION CORDS NOI (1) SKIDS STC (32)
L5*1*CTNS () PALLET PAKS NMFC 063036-02 50
L0*1***1013*G***1*SKD**L
L1*1*22.920*PH*23218
L7*1*****050
LX*2
L5*2*DISCOUNT
L1*2***-15092***DSC
LX*3
L5*3*FUEL ALLOWANCE
L1*3***122****FUE****LTL FUEL ADJUSTMENT
LX*4
L5*4*SHIPPER LOAD AND COUNT
L5*4*APPOINTMENT DELIVERY
L5*4*STANDING
L5*4*IF ANY PROBLEMS CONTACT SOMEBODY
L5*4*SOMEBODY' AT: 1-800-111-3333
L5*4*TOP LOAD ONLY
L5*4*1571 DA A08 :PL#
L5*4*1 SERVICE ADJUSTMENT
L5*4*OVNT 80844 0000001
L5*4*OVNT000560 00226
L3*1013*G***8248*****1
SE*35*004270001
GE*1*1777^
IEA*1*000001777^

Business Policies

- Invoice are transmitted once per day.
- Customers can choose between receiving prepaid, collect or third party invoices.
- Can provide electronically the original, corrected or balance due invoices.
- When the customer requests sending electronic invoices written authorization must be sent to upgfidgroup@tforcefreight.com.
- Once set up electronic invoices, copies of the delivery receipts or bills of lading are no longer mailed to the customer.
- The payment terms for your paper invoices are applied to your EDI invoices.