



Message Implementation Guideline

DSV Invoice X12 210 outbound

based on

210

Motor Carrier Freight Details and Invoice

X12 004010

Version: v2.0_20260626

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Structure / Table of Contents

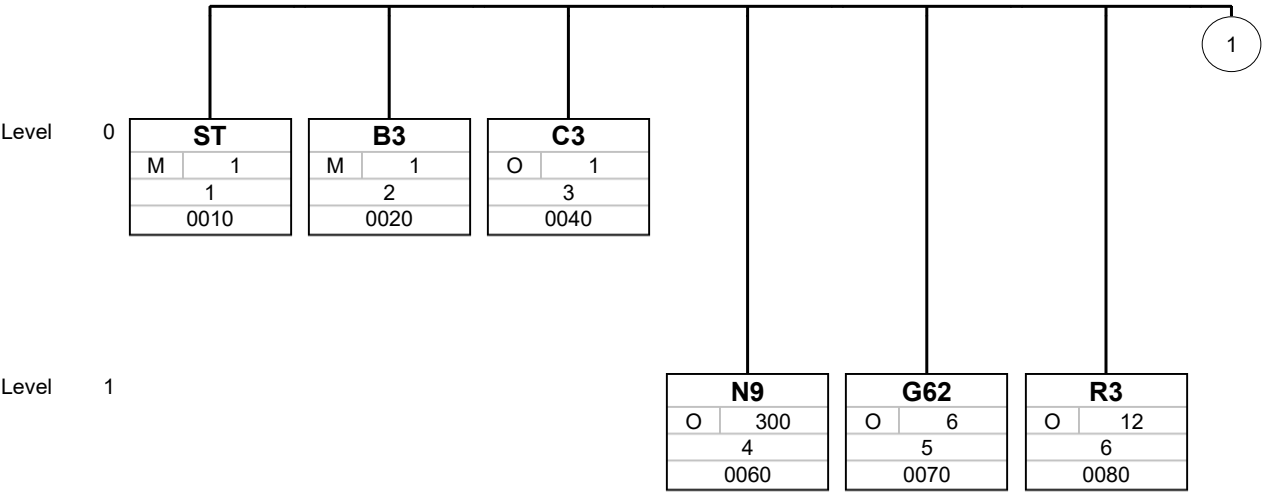
Counter	No	Tag	St	MaxOcc	Level	Content
0010	1	ST	M	1	0	Transaction Set Header
0020	2	B3	M	1	0	Beginning Segment for Carrier's Invoice
0040	3	C3	O	1	0	Currency
0060	4	N9	O	300	1	Reference Identification
0070	5	G62	O	6	1	Date/Time
0080	6	R3	O	12	1	Route Information - Motor
0090	7	H3	O	6	1	Special Handling Instructions
0100	8	K1	O	10	1	Remarks
0110		0100	O	10	1	N1-N3-N4-N9
0110	9	N1	M	1	1	Name
0130	10	N3	O	2	2	Address Information
0140	11	N4	O	1	2	Geographic Location
0150	12	N9	O	5	2	Reference Identification
0160		0200	O	10	1	N7-M7
0160	13	N7	M	1	1	Equipment Details
0170	14	M7	O	2	2	Seal Numbers
0010		0300	O	999	1	S5-G62-0305-0310
0010	15	S5	M	1	1	Stop Off Details
0030	16	G62	O	10	2	Date/Time
0045		0305	O	999999	2	SPO
0045	17	SPO	M	1	2	Shipment Purchase Order Detail
0050		0310	O	2	2	N1-N3-N4-N9
0050	18	N1	M	1	2	Name
0070	19	N3	O	2	3	Address Information
0080	20	N4	O	1	3	Geographic Location
0090	21	N9	O	5	3	Reference Identification
0120		0400	O	9999	1	LX-N9-L5-L0-L1-L7
0120	22	LX	M	1	1	Assigned Number
0130	23	N9	O	5	2	Reference Identification
0140	24	L5	O	30	2	Description, Marks and Numbers
0170	25	L0	O	10	2	Line Item - Quantity and Weight
0180	26	L1	O	10	2	Rate and Charges
0200	27	L7	O	10	2	Tariff Reference
0010	28	L3	O	1	0	Total Weight and Charges
0020	29	SE	M	1	0	Transaction Set Trailer

Counter = Counter of segment/group within the standard
 No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group

DSV public
 Status
 EDIFACT: M=Mandatory, C=Conditional
 User specific: R=Required, O=Optional, D=Dependent,
 A=Advised, N=Not used



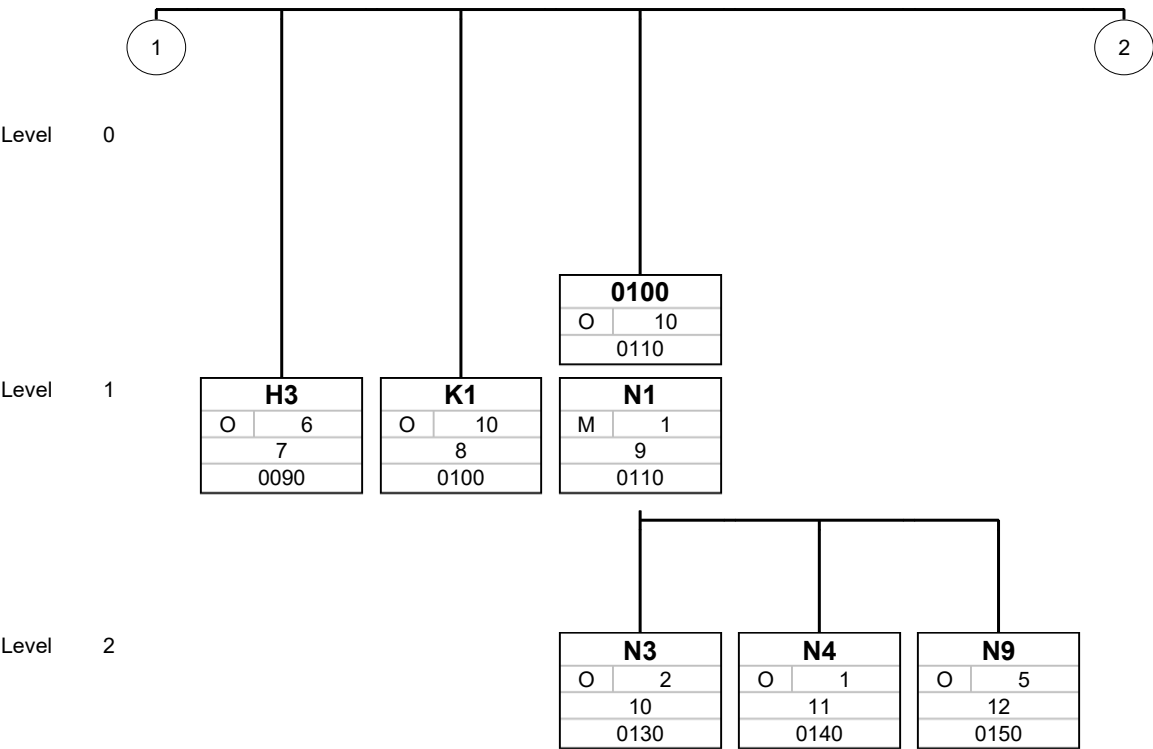
Branching Diagram of Used Segments/Groups



DSV public

Tag
St MaxOcc
No
Counter

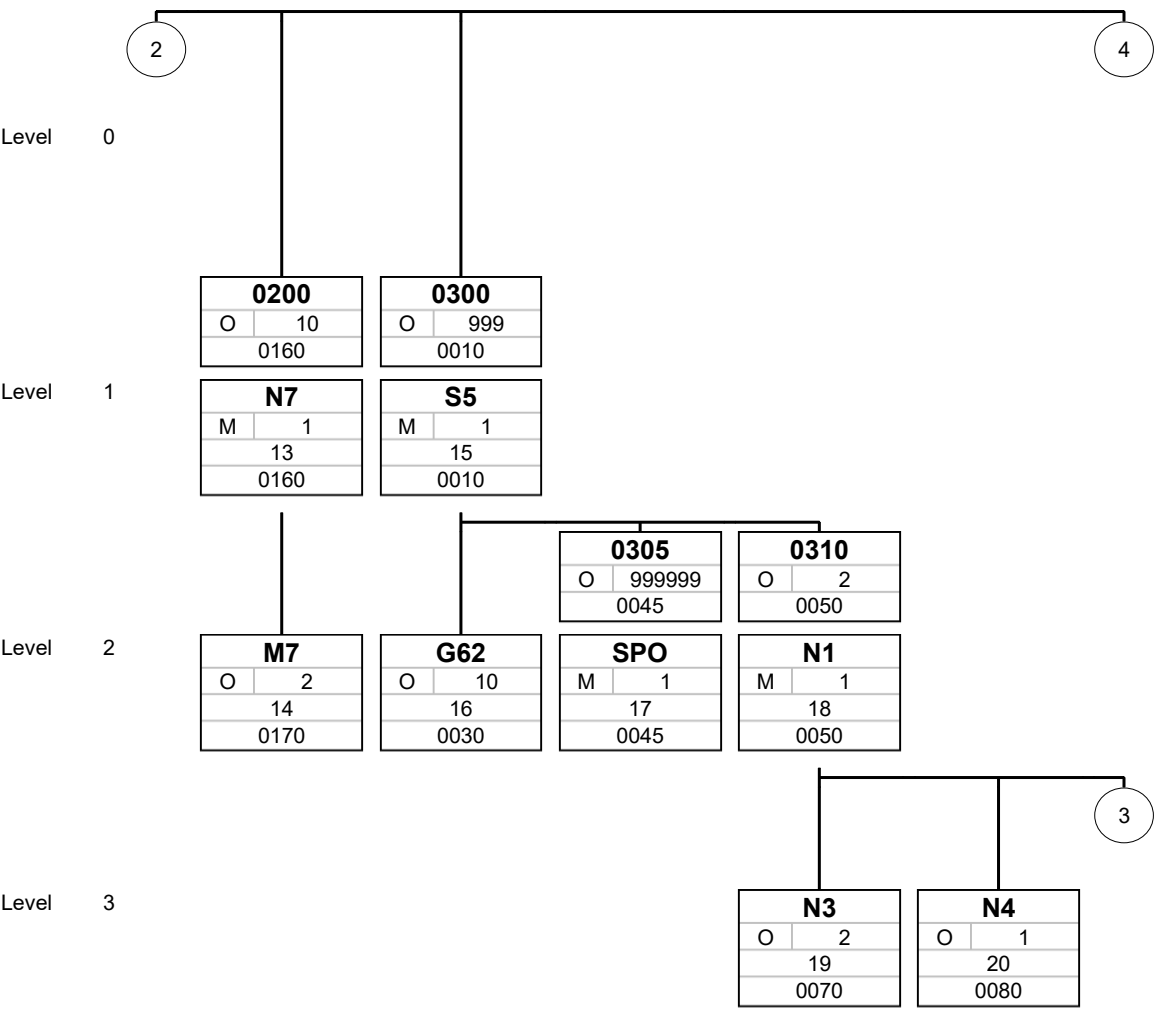
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DSV public

Tag
St MaxOcc
No
Counter

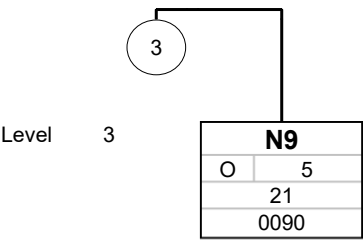
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St MaxOcc
No
Counter

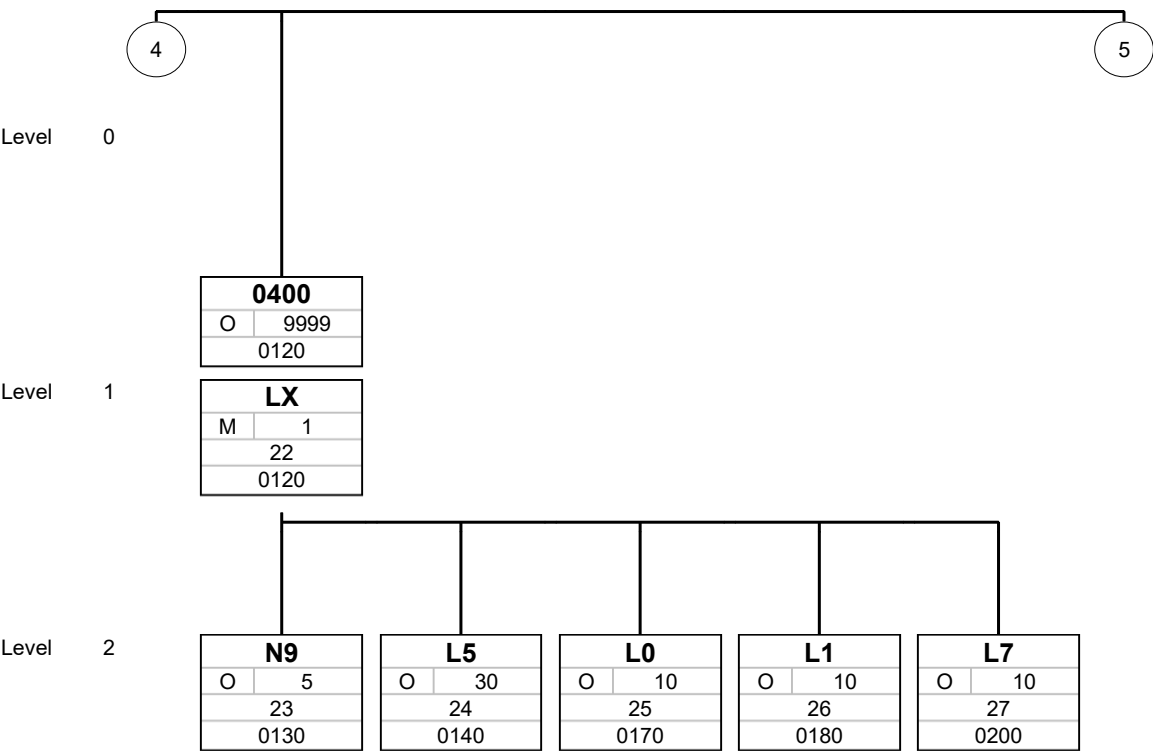
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Tag
St MaxOcc
No
Counter

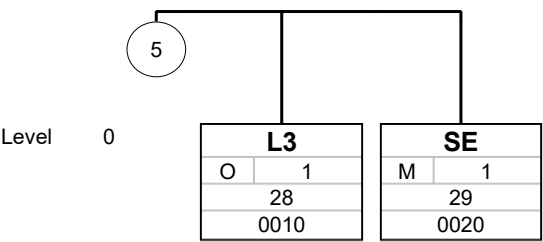
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No
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DSV public

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St MaxOcc
No
Counter

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St = Status (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
MaxOcc = Maximum occurrence of the segment/group
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Segments

Counter	No	Tag	St	MaxOcc	Level	Name
---------	----	-----	----	--------	-------	------

0010	1	ST	M	1	0	Transaction Set Header
------	---	-----------	---	---	---	------------------------

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
ST				
143	Transaction Set Identifier Code	M ID 3/3	M ID 3/3	General Notes Transaction Set Identifier Code
329	Transaction Set Control Number	M AN 4/9	M AN 4/9	General Notes Transaction Set Control Number

Segment Remarks:

Example:

ST*210*123456~

No = Consecutive segment number
MaxOcc = Maximum occurrence of the segment/group
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Counter	No	Tag	St	MaxOcc	Level	Name
---------	----	-----	----	--------	-------	------

0020 2 **B3** M 1 0 **Beginning Segment for Carrier's Invoice**

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
B3				
147	Shipment Qualifier	O ID 1/1	O ID 1/1	General Notes Shipment qualifier List of valid codes O Memo Bill (Not Used for Rail) R Supplemental Billing
76	Invoice Number	M AN 1/22	M AN 1/22	General Notes Invoice number
145	Shipment Identification Number	O AN 1/30	O AN 1/30	General Notes Shipment Id
146	Shipment Method of Payment	M ID 2/2	M ID 2/2	General Notes Shipment Method of Payment List of valid codes CC Collect PP Prepaid (by Seller) TP Third Party Pay
188	Weight Unit Code	O ID 1/1	O ID 1/1	General Notes Weight unit of measure List of valid codes E Metric Ton G Grams K Kilograms L Pounds M Measurement Ton O Ounces S Short Ton T Long Ton
373	Date	M DT 8/8	M DT 8/8	General Notes Invoice Date
193	Net Amount Due	M N2 1/12	M N2 1/12	General Notes Net amount Due
202	Correction Indicator	O ID 2/2	O ID 2/2	General Notes Correction indicator List of valid codes CA Cancelled Bill CO Correction
32	Delivery Date	C DT 8/8	C DT 8/8	General Notes Actual Delivery Date
374	Date/Time Qualifier	C ID 3/3	C ID 3/3	General Notes Delivery date qualifier List of valid codes

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DSV public Status
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Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
				035 Delivered
140	Standard Carrier Alpha Code	M ID 2/4	M ID 2/4	General Notes Standard Carrier Alpha Code
373	Date	O DT 8/8	O DT 8/8	General Notes Scheduled departure date
375	Tariff Service Code	O ID 2/2	N	
335	Transportation Terms Code	O ID 3/3	N	

Segment Remarks:

Example:

B3*O*Invoice nr*ShipmentId*CC*E*20240403*10000*CA*20240403*035*DSRV*20240403~

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Counter	No	Tag	St	MaxOcc	Level	Name
0040	3	C3	O	1	0	Currency

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
C3				
100	Currency Code	M ID 3/3	M ID 3/3	General Notes Currency code
280	Exchange Rate	O R 4/10	O R 4/10	General Notes Exchange rate
100	Currency Code	O ID 3/3	N	
100	Currency Code	O ID 3/3	N	

Segment Remarks:

Example:
C3*USD*1~

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Counter	No	Tag	St	MaxOcc	Level	Name
0060	4	N9	O	300	1	Reference Identification

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
N9				
128	Reference Identification Qualifier	M ID 2/3	M ID 2/3	General Notes Reference qualifier for Invoice List of valid codes ACT Accounting Code AE Authorization for Expense (AFE) Number BAI Business Identification Number BM Bill of Lading Number CN Carrier's Reference Number (PRO/Invoice) CR Customer Reference Number DJ Delivery Ticket Number EQ Equipment Number FJ Line Item Control Number IID Image Identifier IT Internal Customer Number IX Item Number MB Master Bill of Lading OW Service Order Number PO Purchase Order Number PU Previous Bill of Lading Number QN Stop Sequence Number QY Service Performed Code RV Receiving Number SI Shipper's Identifying Number for Shipment (SID) SO Shipper's Order (Invoice Number) SU Special Processing Code SV Service Charge Number TN Transaction Reference Number U5 Successor Account VR Vendor ID Number WH Master Reference (Link) Number 3Z Customs Broker Reference Number 4C Shipment Destination Code
127	Reference Identification	C AN 1/30	C AN 1/30	General Notes Reference for Invoice
369	Free-form Description	C AN 1/45	C AN 1/45	General Notes Free-form description
373	Date	O DT 8/8	N	
337	Time	C TM 4/8	N	
623	Time Code	O ID 2/2	N	
C040	Reference Identifier	O	N	
128	Reference Identification Qualifier	M ID 2/3	N	
127	Reference Identification	M AN 1/30	N	
128	Reference Identification Qualifier	C ID 2/3	N	
127	Reference Identification	C AN 1/30	N	

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Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
128	Reference Identification Qualifier	C ID 2/3	N	
127	Reference Identification	C AN 1/30	N	

Segment Remarks:

Example:

N9*CR*123456789*X~

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Counter	No	Tag	St	MaxOcc	Level	Name
0070	5	G62	O	6	1	Date/Time

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
G62				
432	Date Qualifier	C ID 2/2	C ID 2/2	General Notes Date qualifier List of valid codes 03 Invoice Date 19 Date Unloaded 35 Delivered on This Date 86 Actual Pickup Date 44 Arrival at Destination Yard BR Date Delivery Commenced CL Date Loading Completed LC Date Loading Commenced
373	Date	C DT 8/8	C DT 8/8	General Notes Date
176	Time Qualifier	C ID 1/2	C ID 1/2	General Notes Time qualifier List of valid codes 8 Actual Pickup Time 9 Actual Delivery Time A Actual Departure Time F Actual Unloading Completed R Actual Arrival Time N Notified V Actual Unloading Started 4 Pickup Requested Scheduled Time
337	Time	C TM 4/8	C TM 4/8	General Notes Time
623	Time Code	O ID 2/2	N	

Segment Remarks:

Example:
G62*86*20240403*8*1045~

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Counter	No	Tag	St	MaxOcc	Level	Name
0080	6	R3	O	12	1	Route Information - Motor

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
R3				
140	Standard Carrier Alpha Code	M ID 2/4	M ID 2/4	General Notes Standard Carrier Alpha Code
133	Routing Sequence Code	M ID 1/2	M ID 1/2	General Notes Routing Sequence Code List of valid codes O Origin Carrier (Air, Motor, or Ocean) 1 1st Carrier after Origin Carrier 2 2nd Carrier after Origin Carrier 3 3rd Carrier after Origin Carrier 4 4th Carrier after Origin Carrier 5 5th Carrier after Origin Carrier
19	City Name	O AN 2/30	N	
91	Transportation Method/ Type Code	O ID 1/2	O ID 1/2	General Notes Transportation Method List of valid codes A Air E Expedited Truck FL Motor (Flatbed) J Motor LT Less Than Trailer Load (LTL) M Motor (Common Carrier) MP Motor (Package Carrier) R Rail S Ocean SC Shipper Agent (Truck) TA Towaway Service TT Tank Truck X Intermodal (Piggyback)
154	Standard Point Location Code	O ID 6/9	N	
76	Invoice Number	O AN 1/22	N	
373	Date	O DT 8/8	N	
610	Amount	O N2 1/15	N	
369	Free-form Description	O AN 1/45	N	
284	Service Level Code	C ID 2/2	C ID 2/2	General Notes Service level code
284	Service Level Code	C ID 2/2	C ID 2/2	General Notes Service level code
284	Service Level Code	O ID 2/2	N	

Segment Remarks:**Example:**

R3*DSRV*O**J*****01*01~

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Counter	No	Tag	St	MaxOcc	Level	Name
0090	7	H3	O	6	1	Special Handling Instructions

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
H3				
152	Special Handling Code	C ID 2/3	N	
153	Special Handling Description	C AN 2/30	C AN 2/30	General Notes Special handling description
241	Protective Service Code	O ID 1/4	N	
242	Vent Instruction Code	O ID 1/7	N	
257	Tariff Application Code	O ID 1/1	N	

Segment Remarks:

Example:
H3**XX~

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Counter	No	Tag	St	MaxOcc	Level	Name
0100	8	K1	O	10	1	Remarks

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
K1				
61	Free-Form Message	M AN 1/30	M AN 1/30	General Notes Freetext note for the Invoice
61	Free-Form Message	O AN 1/30	O AN 1/30	General Notes Freetext note for the Invoice

Segment Remarks:

Example:
K1*Invoice*Description~

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Counter	No	Tag	St	MaxOcc	Level	Name
0110		0100	O	10	1	N1-N3-N4-N9
0110	9	N1	M	1	1	Name

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
N1				
98	Entity Identifier Code	M ID 2/3	M ID 2/3	General Notes Party qualifier List of valid codes BT Bill-to-Party II Issuer of Invoice RI Remit To
93	Name	C AN 1/60	C AN 1/60	General Notes Party Name
66	Identification Code Qualifier	C ID 1/2	C ID 1/2	General Notes Party identification code qualifier List of valid codes 93 Code assigned by the organization originating the transaction set 94 Code assigned by the organization that is the ultimate destination of the transaction set ZZ Mutually Defined
67	Identification Code	C AN 2/80	C AN 2/80	General Notes Party identification code
706	Entity Relationship Code	O ID 2/2	N	
98	Entity Identifier Code	O ID 2/3	N	

Segment Remarks:**Example:**

N1*BT*Party name*93*12345678~

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Counter	No	Tag	St	MaxOcc	Level	Name
0110		0100	O	10	1	N1-N3-N4-N9
0130	10	N3	O	2	2	Address Information

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
N3				
166	Address Information	M AN 1/55	M AN 1/55	General Notes Party Address information
166	Address Information	O AN 1/55	O AN 1/55	General Notes Party Address information

Segment Remarks:

Example:

N3*Address 1*Address 2~

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Counter	No	Tag	St	MaxOcc	Level	Name
0110		0100	O	10	1	N1-N3-N4-N9
0140	11	N4	O	1	2	Geographic Location

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
N4				
19	City Name	O AN 2/30	O AN 2/30	General Notes Party City Name
156	State or Province Code	O ID 2/2	O ID 2/2	General Notes Party State or Province Code
116	Postal Code	O ID 3/15	O ID 3/15	General Notes Party Postal Code
26	Country Code	O ID 2/3	O ID 2/3	General Notes Party Country Code
309	Location Qualifier	C ID 1/2	N	
310	Location Identifier	O AN 1/30	N	

Segment Remarks:

Example:
N4*City*ST*12345*US~

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Counter	No	Tag	St	MaxOcc	Level	Name
0110		0100	O	10	1	N1-N3-N4-N9
0150	12	N9	O	5	2	Reference Identification

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
N9				
128	Reference Identification Qualifier	M ID 2/3	M ID 2/3	General Notes Reference qualifier List of valid codes GT Goods and Service Tax Registration Number VX Value-Added Tax Registration Number (Europe)
127	Reference Identification	C AN 1/30	C AN 1/30	General Notes Reference for party
369	Free-form Description	C AN 1/45	N	
373	Date	O DT 8/8	N	
337	Time	C TM 4/8	N	
623	Time Code	O ID 2/2	N	
C040	Reference Identifier	O	N	
128	Reference Identification Qualifier	M ID 2/3	N	
127	Reference Identification	M AN 1/30	N	
128	Reference Identification Qualifier	C ID 2/3	N	
127	Reference Identification	C AN 1/30	N	
128	Reference Identification Qualifier	C ID 2/3	N	
127	Reference Identification	C AN 1/30	N	

Segment Remarks:**Example:**

N9*GT*123456789~

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Counter	No	Tag	St	MaxOcc	Level	Name
0160		0200	O	10	1	N7-M7
0160	13	N7	M	1	1	Equipment Details

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
N7				
206	Equipment Initial	O AN 1/4	O AN 1/4	General Notes Equipment unit id position 1:4.
207	Equipment Number	M AN 1/10	M AN 1/10	General Notes Equipment unit id position 5:10
81	Weight	C R 1/10	N	
187	Weight Qualifier	C ID 1/2	N	
167	Tare Weight	C N0 3/8	N	
232	Weight Allowance	O N0 2/6	N	
205	Dunnage	O N0 1/6	N	
183	Volume	C R 1/8	N	
184	Volume Unit Qualifier	C ID 1/1	N	
102	Ownership Code	O ID 1/1	N	
40	Equipment Description Code	O ID 2/2	N	
140	Standard Carrier Alpha Code	O ID 2/4	N	
319	Temperature Control	O AN 3/6	N	
219	Position	O AN 1/3	N	
567	Equipment Length	O N0 4/5	N	
571	Tare Qualifier Code	C ID 1/1	N	
188	Weight Unit Code	O ID 1/1	N	
761	Equipment Number Check Digit	O N0 1/1	O N0 1/1	General Notes Equipment unit id position 11:11
56	Type of Service Code	O ID 2/2	N	
65	Height	O R 1/8	N	
189	Width	O R 1/8	N	
24	Equipment Type	O ID 4/4	O ID 4/4	General Notes Equipment SizeTypeCode
140	Standard Carrier Alpha Code	O ID 2/4	N	
301	Car Type Code	O ID 1/4	N	

Segment Remarks:**Example:**

N7*MCSU*129617*****0****40HC~

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Counter	No	Tag	St	MaxOcc	Level	Name
0160		0200	O	10	1	N7-M7
0170	14	M7	O	2	2	Seal Numbers

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
M7				
225	Seal Number	M AN 2/15	M AN 2/15	General Notes Seal number
225	Seal Number	O AN 2/15	O AN 2/15	General Notes Second Seal number
225	Seal Number	O AN 2/15	O AN 2/15	General Notes Third Seal number
225	Seal Number	O AN 2/15	N	
98	Entity Identifier Code	O ID 2/3	N	

Segment Remarks:

Example:

M7*12345*67890*156789~

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Counter	No	Tag	St	MaxOcc	Level	Name
0010		0300	O	999	1	S5-G62-0305-0310
0010	15	S5	M	1	1	Stop Off Details

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
S5				
165	Stop Sequence Number	M N0 1/3	M N0 1/3	General Notes Stop Sequence Number for Order
163	Stop Reason Code	M ID 2/2	M ID 2/2	General Notes Stop Reason Code for Order List of valid codes CL Complete CU Complete Unload PU Part Unload
81	Weight	C R 1/10	C R 1/10	General Notes Gross weight for Order
188	Weight Unit Code	C ID 1/1	C ID 1/1	General Notes Gross weight unit of measure for Order List of valid codes E Metric Ton G Grams K Kilograms L Pounds M Measurement Ton O Ounces S Short Ton T Long Ton
382	Number of Units Shipped	C R 1/10	C R 1/10	General Notes Number of Packages for Order
355	Unit or Basis for Measurement Code	C ID 2/2	C ID 2/2	General Notes Package Type for Order List of valid codes EA Each
183	Volume	C R 1/8	N	
184	Volume Unit Qualifier	C ID 1/1	N	
352	Description	O AN 1/80	N	
154	Standard Point Location Code	O ID 6/9	N	
190	Accomplish Code	O ID 1/1	N	

Segment Remarks:**Example:**

S5*1*CU*100*L*20*EA~

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Counter	No	Tag	St	MaxOcc	Level	Name
0010		0300	O	999	1	S5-G62-0305-0310
0030	16	G62	O	10	2	Date/Time

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
G62				
432	Date Qualifier	C ID 2/2	C ID 2/2	General Notes Date qualifier for Order List of valid codes 03 Invoice Date 19 Date Unloaded 35 Delivered on This Date 86 Actual Pickup Date 44 Arrival at Destination Yard BR Date Delivery Commenced CL Date Loading Completed LC Date Loading Commenced
373	Date	C DT 8/8	C DT 8/8	General Notes Date qualifier for Order
176	Time Qualifier	C ID 1/2	C ID 1/2	General Notes Time qualifier for Order List of valid codes 8 Actual Pickup Time 9 Actual Delivery Time A Actual Departure Time F Actual Unloading Completed N Notified R Actual Arrival Time V Actual Unloading Started
337	Time	C TM 4/8	C TM 4/8	General Notes Time for Order
623	Time Code	O ID 2/2	N	

Segment Remarks:**Example:**

G62*86*20240403*8*1045~

No = Consecutive segment number
MaxOcc = Maximum occurrence of the segment/group
Counter = Counter of segment/group within the standard

DSV public
Status
EDIFACT: M=Mandatory, C=Conditional
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A=Advised, N=Not used



Counter	No	Tag	St	MaxOcc	Level	Name
0045		0305	O	999999	2	SPO
0045	17	SPO	M	1	2	Shipment Purchase Order Detail

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
SPO				
324	Purchase Order Number	M AN 1/22	M AN 1/22	General Notes Purchase Order Number
127	Reference Identification	O AN 1/30	N	
355	Unit or Basis for Measurement Code	C ID 2/2	N	
380	Quantity	C R 1/15	N	
188	Weight Unit Code	C ID 1/1	N	
81	Weight	C R 1/10	N	
647	Application Error Condition Code	O ID 1/3	N	
127	Reference Identification	O AN 1/30	N	

Segment Remarks:

Example:

SPO*ON123~

No = Consecutive segment number
MaxOcc = Maximum occurrence of the segment/group
Counter = Counter of segment/group within the standard

DSV public
Status
EDIFACT: M=Mandatory, C=Conditional
User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used



Counter	No	Tag	St	MaxOcc	Level	Name
0050		0310	O	2	2	N1-N3-N4-N9
0050	18	N1	M	1	2	Name

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
N1				
98	Entity Identifier Code	M ID 2/3	M ID 2/3	General Notes Party qualifier for Order List of valid codes SF Ship From ST Ship To
93	Name	C AN 1/60	C AN 1/60	General Notes Party name for Order
66	Identification Code Qualifier	C ID 1/2	C ID 1/2	General Notes Party Identification code qualifier for Order List of valid codes 93 Code assigned by the organization originating the transaction set 94 Code assigned by the organization that is the ultimate destination of the transaction set ZZ Mutually Defined
67	Identification Code	C AN 2/80	C AN 2/80	General Notes Party Identification code for Order
706	Entity Relationship Code	O ID 2/2	N	
98	Entity Identifier Code	O ID 2/3	N	

Segment Remarks:**Example:**

N1*Sf*Party name*93*123456~

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

DSV public
 Status
 EDIFACT: M=Mandatory, C=Conditional
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Counter	No	Tag	St	MaxOcc	Level	Name
0050		0310	O	2	2	N1-N3-N4-N9
0070	19	N3	O	2	3	Address Information

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
N3				
166	Address Information	M AN 1/55	M AN 1/55	General Notes Party Address information for Order
166	Address Information	O AN 1/55	O AN 1/55	General Notes Party Address information for Order

Segment Remarks:

Example:
N3*Address 1*Address 2~

No = Consecutive segment number
MaxOcc = Maximum occurrence of the segment/group
Counter = Counter of segment/group within the standard

DSV public
Status
EDIFACT: M=Mandatory, C=Conditional
User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used



Counter	No	Tag	St	MaxOcc	Level	Name
0050		0310	O	2	2	N1-N3-N4-N9
0080	20	N4	O	1	3	Geographic Location

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
N4				
19	City Name	O AN 2/30	O AN 2/30	General Notes Party City Name for Order
156	State or Province Code	O ID 2/2	O ID 2/2	General Notes Party State or Province Code for Order
116	Postal Code	O ID 3/15	O ID 3/15	General Notes Party Postal Code for Order
26	Country Code	O ID 2/3	O ID 2/3	General Notes Party Country Code for Order
309	Location Qualifier	C ID 1/2	N	
310	Location Identifier	O AN 1/30	N	

Segment Remarks:**Example:**

N4*City*ST*12345*US~

No = Consecutive segment number
MaxOcc = Maximum occurrence of the segment/group
Counter = Counter of segment/group within the standard

DSV public
Status
EDIFACT: M=Mandatory, C=Conditional
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Counter	No	Tag	St	MaxOcc	Level	Name
0050		0310	O	2	2	N1-N3-N4-N9
0090	21	N9	O	5	3	Reference Identification

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
N9				
128	Reference Identification Qualifier	M ID 2/3	M ID 2/3	General Notes Reference qualifier for Order List of valid codes CR Customer Reference Number
127	Reference Identification	C AN 1/30	C AN 1/30	General Notes Reference for Order
369	Free-form Description	C AN 1/45	N	
373	Date	O DT 8/8	N	
337	Time	C TM 4/8	N	
623	Time Code	O ID 2/2	N	
C040	Reference Identifier	O	N	
128	Reference Identification Qualifier	M ID 2/3	N	
127	Reference Identification	M AN 1/30	N	
128	Reference Identification Qualifier	C ID 2/3	N	
127	Reference Identification	C AN 1/30	N	
128	Reference Identification Qualifier	C ID 2/3	N	
127	Reference Identification	C AN 1/30	N	

Segment Remarks:**Example:**

N9*CR*123456~

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

DSV public
 Status
 EDIFACT: M=Mandatory, C=Conditional
 User specific: R=Required, O=Optional, D=Dependent,
 A=Advised, N=Not used



Counter	No	Tag	St	MaxOcc	Level	Name
0120		0400	O	9999	1	LX-N9-L5-L0-L1-L7
0120	22	LX	M	1	1	Assigned Number

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
LX				
554	Assigned Number	M N0 1/6	M N0 1/6	General Notes Assigned number

Segment Remarks:

Example:

LX*1~

No = Consecutive segment number
MaxOcc = Maximum occurrence of the segment/group
Counter = Counter of segment/group within the standard

DSV public
Status
EDIFACT: M=Mandatory, C=Conditional
User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used



Counter	No	Tag	St	MaxOcc	Level	Name
0120		0400	O	9999	1	LX-N9-L5-L0-L1-L7
0130	23	N9	O	5	2	Reference Identification

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
N9				
128	Reference Identification Qualifier	M ID 2/3	M ID 2/3	General Notes Reference qualifier for Shipment List of valid codes AE Authorization for Expense (AFE) Number BM Bill of Lading Number CN Carrier's Reference Number (PRO/Invoice) CR Customer Reference Number DJ Delivery Ticket Number EQ Equipment Number GZ General Ledger Account IT Internal Customer Number MB Master Bill of Lading OW Service Order Number PO Purchase Order Number PU Previous Bill of Lading Number QY Service Performed Code RV Receiving Number SI Shipper's Identifying Number for Shipment (SID) SO Shipper's Order (Invoice Number) SU Special Processing Code SV Service Charge Number TN Transaction Reference Number VR Vendor ID Number
127	Reference Identification	C AN 1/30	C AN 1/30	General Notes Reference for Shipment
369	Free-form Description	C AN 1/45	C AN 1/45	General Notes Free-form description
373	Date	O DT 8/8	N	
337	Time	C TM 4/8	N	
623	Time Code	O ID 2/2	N	
C040	Reference Identifier	O	N	
128	Reference Identification Qualifier	M ID 2/3	N	
127	Reference Identification	M AN 1/30	N	
128	Reference Identification Qualifier	C ID 2/3	N	
127	Reference Identification	C AN 1/30	N	
128	Reference Identification Qualifier	C ID 2/3	N	
127	Reference Identification	C AN 1/30	N	

Segment Remarks:**Example:**

N9*SI*123456*X~

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

DSV public
 Status
 EDIFACT: M=Mandatory, C=Conditional
 User specific: R=Required, O=Optional, D=Dependent,
 A=Advised, N=Not used



Counter	No	Tag	St	MaxOcc	Level	Name
0120		0400	O	9999	1	LX-N9-L5-L0-L1-L7
0140	24	L5	O	30	2	Description, Marks and Numbers

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
L5				
213	Lading Line Item Number	O N0 1/3	O N0 1/3	General Notes Lading Line Item Number
79	Lading Description	O AN 1/50	O AN 1/50	General Notes Goods Description
22	Commodity Code	C AN 1/30	C AN 1/30	General Notes Commodity code
23	Commodity Code Qualifier	C ID 1/1	N	
103	Packaging Code	O AN 3/5	N	
87	Marks and Numbers	C AN 1/48	N	
88	Marks and Numbers Qualifier	O ID 1/2	N	
23	Commodity Code Qualifier	C ID 1/1	N	
22	Commodity Code	C AN 1/30	N	
595	Compartment ID Code	O ID 1/1	N	

Segment Remarks:

Example:

L5*1*GoodsDescription*X~

No = Consecutive segment number
MaxOcc = Maximum occurrence of the segment/group
Counter = Counter of segment/group within the standard

DSV public
Status
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User specific: R=Required, O=Optional, D=Dependent,
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Counter	No	Tag	St	MaxOcc	Level	Name
0120		0400	O	9999	1	LX-N9-L5-L0-L1-L7
0170	25	L0	O	10	2	Line Item - Quantity and Weight

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
L0				
213	Lading Line Item Number	O N0 1/3	O N0 1/3	General Notes Lading Line Item Number for Main Freight or Distance Miles
220	Billed/Rated-as Quantity	C R 1/11	C R 1/11	General Notes Billed/Rated-as Quantity for Main Freight or Distance Miles
221	Billed/Rated-as Qualifier	C ID 2/2	C ID 2/2	General Notes Billed/Rated-as Qualifier for Main Freight or Distance Miles List of valid codes DM Miles FR Flat Rate
81	Weight	C R 1/10	C R 1/10	General Notes GrossWeight or Billed Weight for Main Freight or Distance Miles
187	Weight Qualifier	C ID 1/2	C ID 1/2	General Notes GrossWeight or Billed Weight qualifier for Main Freight or Distance Miles List of valid codes B Billed Weight G Gross Weight
183	Volume	C R 1/8	C R 1/8	General Notes Volume for Main Freight or Distance Miles
184	Volume Unit Qualifier	C ID 1/1	C ID 1/1	General Notes Volume unit of measure for Main Freight or Distance Miles List of valid codes E Cubic Feet X Cubic Meters
80	Lading Quantity	C N0 1/7	C N0 1/7	General Notes Number of Packages for Main Freight or Distance Miles
211	Packaging Form Code	C ID 3/3	C ID 3/3	General Notes Package Type for Main Freight or Distance Miles List of valid codes PCS Pieces
458	Dunnage Description	O AN 2/25	N	
188	Weight Unit Code	O ID 1/1	O ID 1/1	General Notes GrossWeight unit of measure for Main Freight or Distance Miles List of valid codes E Metric Ton G Grams K Kilograms L Pounds

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

DSV public
 Status
 EDIFACT: M=Mandatory, C=Conditional
 User specific: R=Required, O=Optional, D=Dependent,
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Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
				M Measurement Ton O Ounces S Short Ton T Long Ton
56	Type of Service Code	O ID 2/2	N	
380	Quantity	C R 1/15	N	
211	Packaging Form Code	O ID 3/3	N	
1073	Yes/No Condition or Response Code	C ID 1/1	N	

Segment Remarks:

Example:

L0*1*100*FR*100*G*100*X*9*PCS**E~

No = Consecutive segment number
MaxOcc = Maximum occurrence of the segment/group
Counter = Counter of segment/group within the standard

DSV public
Status
EDIFACT: M=Mandatory, C=Conditional
User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used



Counter	No	Tag	St	MaxOcc	Level	Name
0120		0400	O	9999	1	LX-N9-L5-L0-L1-L7
0180	26	L1	O	10	2	Rate and Charges

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
L1				
213	Lading Line Item Number	O N0 1/3	O N0 1/3	General Notes Lading Line Item Number
60	Freight Rate	C R 1/9	C R 1/9	General Notes Freight Rate for Main Freight or Distance Miles
122	Rate/Value Qualifier	C ID 2/2	C ID 2/2	General Notes Rate qualifier for Main Freight or Distance Miles List of valid codes FC Flat Charge FR Flat Rate PM Per Mile
58	Charge	C N2 1/12	C N2 1/12	General Notes Charge for Main Freight or Distance Miles
191	Advances	C N2 1/9	N	
117	Prepaid Amount	C N2 1/9	N	
120	Rate Combination Point Code	O AN 3/9	N	
150	Special Charge or Allowance Code	O ID 3/3	O ID 3/3	General Notes Charge/Allowance Code for Main Freight or Distance Miles
121	Rate Class Code	O ID 1/3	N	
39	Entitlement Code	O ID 1/1	N	
16	Charge Method of Payment	O ID 1/1	N	
276	Special Charge Description	O AN 2/25	O AN 2/25	General Notes Charge/Allowance Description for Main Freight or Distance Miles
257	Tariff Application Code	O ID 1/1	N	
74	Declared Value	C N2 2/12	N	
122	Rate/Value Qualifier	C ID 2/2	N	
372	Lading Liability Code	O ID 1/1	N	
220	Billed/Rated-as Quantity	C R 1/11	N	
221	Billed/Rated-as Qualifier	C ID 2/2	N	
954	Percent	O R 1/10	N	
100	Currency Code	O ID 3/3	N	
610	Amount	O N2 1/15	N	

Segment Remarks:**Example:**

L1*1*100*FR*100****400****FREIGHT~

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

DSV public
 Status
 EDIFACT: M=Mandatory, C=Conditional
 User specific: R=Required, O=Optional, D=Dependent,
 A=Advised, N=Not used



Counter	No	Tag	St	MaxOcc	Level	Name
0120		0400	O	9999	1	LX-N9-L5-L0-L1-L7
0200	27	L7	O	10	2	Tariff Reference

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
L7				
213	Lading Line Item Number	O N0 1/3	O N0 1/3	General Notes Lading Line Item Number for Main Freight or Distance Miles
168	Tariff Agency Code	O ID 1/4	N	
171	Tariff Number	O AN 1/7	N	
172	Tariff Section	O AN 1/2	N	
169	Tariff Item Number	O AN 1/16	N	
170	Tariff Item Part	O N0 1/2	N	
59	Freight Class Code	O AN 2/5	O AN 2/5	General Notes Freight class code
173	Tariff Supplement Identifier	O AN 1/4	N	
46	Ex Parte	O AN 4/4	N	
373	Date	O DT 8/8	N	
119	Rate Basis Number	O AN 1/6	N	
227	Tariff Column	O AN 1/2	N	
294	Tariff Distance	O N0 1/5	O N0 1/5	General Notes Tariff Distance for Distance Miles
295	Distance Qualifier	O ID 1/1	O ID 1/1	General Notes Tariff Distance qualifier for Distance Miles List of valid codes M Miles (Actual)
19	City Name	O AN 2/30	N	
156	State or Province Code	O ID 2/2	N	

Segment Remarks:**Example:**

L7*1*****50*****55*M~

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

DSV public
 Status
 EDIFACT: M=Mandatory, C=Conditional
 User specific: R=Required, O=Optional, D=Dependent,
 A=Advised, N=Not used



Counter	No	Tag	St	MaxOcc	Level	Name
0010	28	L3	O	1	0	Total Weight and Charges

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
L3				
81	Weight	C R 1/10	C R 1/10	General Notes GrossWeight or Billed Weight
187	Weight Qualifier	C ID 1/2	C ID 1/2	General Notes GrossWeight or Billed Weight qualifier List of valid codes B Billed Weight G Gross Weight
60	Freight Rate	C R 1/9	C R 1/9	General Notes Freight Rate
122	Rate/Value Qualifier	C ID 2/2	C ID 2/2	General Notes Rate qualifier List of valid codes FR Flat Rate PM Per Mile
58	Charge	O N2 1/12	O N2 1/12	General Notes Charge
191	Advances	O N2 1/9	N	
117	Prepaid Amount	O N2 1/9	N	
150	Special Charge or Allowance Code	O ID 3/3	N	
183	Volume	C R 1/8	N	
184	Volume Unit Qualifier	C ID 1/1	N	
80	Lading Quantity	O N0 1/7	O N0 1/7	General Notes Number of Packages
188	Weight Unit Code	O ID 1/1	O ID 1/1	General Notes GrossWeight unit of measure List of valid codes E Metric Ton G Grams K Kilograms L Pounds M Measurement Ton O Ounces S Short Ton T Long Ton
171	Tariff Number	O AN 1/7	N	
74	Declared Value	C N2 2/12	N	
122	Rate/Value Qualifier	C ID 2/2	N	

Segment Remarks:**Example:**

L3*400*G*100*FR*100*****20*E~

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

DSV public
 Status
 EDIFACT: M=Mandatory, C=Conditional
 User specific: R=Required, O=Optional, D=Dependent,
 A=Advised, N=Not used



Counter	No	Tag	St	MaxOcc	Level	Name
0020	29	SE	M	1	0	Transaction Set Trailer

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
SE				
96	Number of Included Segments	M N0 1/10	M N0 1/10	General Notes Number of Included segments
329	Transaction Set Control Number	M AN 4/9	M AN 4/9	General Notes Transaction Set Control Number

Segment Remarks:

Example:

SE*60*123456~

No = Consecutive segment number
MaxOcc = Maximum occurrence of the segment/group
Counter = Counter of segment/group within the standard

DSV public
Status
EDIFACT: M=Mandatory, C=Conditional
User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used



Example Message

No	Tag	Example
01	ST	ST*210*123456~
02	B3	B3*O*Invoice nr*ShipmentId*CC*E*20240403*10000*CA*20240403*035*DSRV*20240403~
03	C3	C3*USD*1~
04	N9	N9*CR*123456789*X~
05	G62	G62*86*20240403*8*1045~
06	R3	R3*DSRV*O**J*****01*01~
07	H3	H3**XX~
08	K1	K1*Invoice*Description~
0100		
09	N1	N1*BT*Party name*93*12345678~
10	N3	N3*Address 1*Address 2~
11	N4	N4*City*ST*12345*US~
12	N9	N9*GT*123456789~
0200		
13	N7	N7*MCSU*129617*****0****40HC~
14	M7	M7*12345*67890*156789~
0300		
15	S5	S5*1*CU*100*L*20*EA~
16	G62	G62*86*20240403*8*1045~
0305		
17	SPO	SPO*ON123~
0310		
18	N1	N1*SF*Party name*93*123456~
19	N3	N3*Address 1*Address 2~
20	N4	N4*City*ST*12345*US~
21	N9	N9*CR*123456~
0400		
22	LX	LX*1~
23	N9	N9*SI*123456*X~
24	L5	L5*1*GoodsDescription*X~
25	L0	L0*1*100*FR*100*G*100*X*9*PCS**E~
26	L1	L1*1*100*FR*100****400****FREIGHT~
27	L7	L7*1*****50*****55*M~
28	L3	L3*400*G*100*FR*100*****20*E~

No = Consecutive segment number

DSV public

DSV Invoice X12 210 outbound;
v2.0_20260626

210 / X12 004010

Issue date: 2026-06-25

Print date:

2026-08-27

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No	Tag	Example
29	SE	SE*60*123456~