



AmeriCold

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L O G I S T I C S

# 810 INVOICE

Functional Group ID = IN  
Version/Release = 004010UCS

## Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Invoice Transaction Set (810) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set can be used to provide for customary and established business and industry practice relative to the billing for goods and services provided.

## HEADER:

	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat	Notes and Comments
Must Use	ST	Transaction Set Header	M	1		
Must Use	BIG	Beginning Segment for Invoice	M	1		
	REF	Reference Identification	O	100		
Loop ID – N1					200	
Must Use	N1	Name	M	1		
	N2	Additional Name Information	O	2		
Must Use	N3	Address Information	M	2		
Must Use	N4	Geographic Location	M	1		
	ITD	Terms of Sale/Deferred Terms of Sale	O	>1		

## DETAIL:

	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat	Notes and Comments
Loop ID – IT1					200000	
Must Use	IT1	Baseline Item Data (Invoice)	M	1		
Loop ID – IT1/PID					1000	
Must Use	PID	Product/Item Description	M	1		
Loop ID – IT1/SAC					25	
	SAC	Service, Promotion, Allowance, or Charge Information	O	1		

## SUMMARY:

	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat	Notes and Comments
Must Use	TDS	Total Monetary Value Summary	M	1		
Loop ID – ISS					>1	
	ISS	Invoice Shipment Summary	O	1		
Must Use	SE	Transaction Set Trailer	M	1		

**Segment:** ST Transaction Set Header  
**Position:** 010  
**Loop:**  
**Level:** Header  
**Usage:** Mandatory  
**Max Use:** 1

### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>>	ST01	143	Transaction Set Identifier Code	M-ID-03/03
>>>	ST02	329	Transaction Set Control Number Same number as used in the SE02	M-AN-04/09

**Segment:** BIG Beginning Segment for Invoice  
**Position:** 020  
**Loop:**  
**Level:** Header  
**Usage:** Mandatory  
**Max Use:** 1

### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>>	BIG01	373	Date	M-DT-08/08
>>>	BIG02	76	Invoice Number	M-AN-01/22
	BIG03	373	Purchase Order Date	O-DT-08/08
	BIG04		Purchase Order Number	O-AN-01-22
	BIG07	640	Transaction Type Code CR = Credit Memo DR = Debit Memo	O-ID-02/02
	BIG08	353	TS Purpose Code 00 = Original 02 = Addition	O-ID-02/02

**Segment:** REF Reference Identification  
**Position:** 050  
**Loop:**  
**Level:** Header  
**Usage:** Optional  
**Max Use:** 12

### Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>>	REF01	128	Reference Identification Qualifier BM = Bill of Lading OR = Order Number VN = Vendor Order Number	M-ID-02/03
>>>	REF02	127	Reference Identification	M-AN-01/30

**Segment:** N1 Name  
**Position:** 070  
**Loop:** N1  
**Level:** Header  
**Usage:** Optional  
**Max Use:** 1

### Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>>	N101	98	Entity Identifier Code ST = Ship To SF = Ship From BT = Bill To Party RI = Remit To	M-ID-02/03
>>>	N102	93	Name	M-AN-01/60
>>>	N103	66	ID Code Qualifier 9 or 09 = Ship to parties duns number ZZ = A mutually agreed upon number 91 = assigned by Seller or Seller's Agent	M-ID-01/02
>>>	N104	67	ID Code	M-AN-02/80

**Segment:** N2 Additional Name Information  
**Position:** 080  
**Loop:** N1  
**Level:** Header  
**Usage:** Optional  
**Max Use:** 2

### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>>	N201	93	Additional Name Information	M-AN-01/60
	N202	93	Additional Name Information	O-AN-01/60

**Segment:** N3 Address Information  
**Position:** 090  
**Loop:** N1  
**Level:** Header  
**Usage:** Optional  
**Max Use:** 2

### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>>	N301	166	Address Information	M-AN-01/55
	N302	166	Address Information	O-AN-01/55

**Segment:** N4 Geographic Location  
**Position:** 100  
**Loop:** N1  
**Level:** Header  
**Usage:** Optional  
**Max Use:** 1

### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>>	N401	19	City Name	M-AN-02/30
>>>	N402	156	State Code	M-ID-02/02
	N403	116	Postal Code	O-ID-03/15

**Segment:** ITD Terms of Sale/Deferred Terms of Sale  
**Position:** 130  
**Loop:**  
**Level:** Header  
**Usage:** Optional  
**Max Use:** >1

### Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>>	IDT02	336	Terms Type Code 01 = Ship Date 02 = Delivery Date 03 = Invoice Date 07 = Effective Date	O-ID-02/02
>>>	IDT06	446	Terms Net Due Date	O-DT-08/08
>>>	IDT07	386	Terms Net Days	O-NO-01/03

**Segment:** IT1 Baseline Item Detail  
**Position:** 010  
**Loop:** IT1  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1

### Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>>	IT102	358	Quantity Invoiced	C-R3-01/10
	IT103	355	Unit/Basis Measurement Code	C-ID-02/02
	IT104	212	Unit Price	C-R4-01/17
	IT106	235	Product/Service ID Qualifier PI = Purchaser's Item Number IN = Buyer's Item Number VN = Vendor's Item Number	C-ID-02/02
	IT107	234	Product/Service ID Purchaser's Item Number Buyer's Item Number Vendor's Item Number	C-AN-01/48
	IT108	235	Product/Service ID Qualifier UA = UPC/EAN Case Code	C-ID-02/02
	IT109	234	Product/Service ID UPC Code	C-AN-01/48
	IT110	235	Product/Service ID Qualifier UC = UPC Suffix	C-ID-02/02
	IT111	234	Product/Service ID UPC Suffix	C-AN-01/48
	IT112	235	Product/Service ID Qualifier LT = AmeriCold Lot Number PJ = Production Date Code	C-ID-02/02
	IT113	234	Product/Service ID Lot number Product Date Code	C-AN-01/48

**Segment:** PID Product/Item Description  
**Position:** 060  
**Loop:** IT1/PID  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1

### Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>>	PID01	349	Item Description Type F = Freeform	M-ID-01/01
>>>	PID05	352	Product Description	C-AN-01/80

**Segment:** SAC Service, Promotion, Allowance, or Charge Information  
**Position:** 180  
**Loop:** IT1/SAC  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1

### Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>>	SAC01	248	Allowance/Charge Indicator A = Allowance C = Charge	M-ID-01/01
>>>	SAC02	1300	Service/Prom/Allowance Charge Code I580 = Warehousing	C-ID-04/04
	SAC03	559	Agency Qualifier Code AB – Assigned Buyer	C-ID-02/02
	SAC04	1301	Charge Code See attachment	C-AN-01/10
	SAC05	610	Amount	O-N2-01/15
	SAC08	118	Rate	O-R4-01/09
	SAC09	355	Unit/Basis Measurement Code	C-ID-02/02
	SAC10	380	Quantity	C-R3-01/15
	SAC15	352	Description	C-AN-01/80

**Segment:** TDS Total Monetary Value  
**Position:** 010  
**Loop:**  
**Level:** Summary  
**Usage:** Mandatory  
**Max Use:** 1

### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>>	TDS01	610	Amount	M-N2-01/15

**Segment:** ISS Invoice Shipment Summary  
**Position:** 060  
**Loop:** ISS  
**Level:** Summary  
**Usage:** Optional  
**Max Use:** 1

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>>	ISS01	382	Number of Units Ship	C-R0-01/10
	ISS02	355	Unit/Basis Measurement Code CA = Cases CW = Hundred pounds BX = Box	C-ID-02/02
	ISS03	81	Weight	C-R2-01/10
	ISS04	355	Unit/Basis Measurement Code	C-ID-02/02

**Segment:** SE Transaction Set Trailer  
**Position:** 080  
**Loop:**  
**Level:** Summary  
**Usage:** Mandatory  
**Max Use:** 1

### Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>>	SE01	96	Number of Included Segments	M-NO-01/10
>>>	SE02	329	Transaction Set Control Number Same number as used in the ST02	M-AN-04/09

Example of a Warehouse Storage Invoice  
(810) Transaction Set

ISA\*00\* \*00\* \*08\*3111350000 \*01\*00123456 \*030910  
GS\*IN\*3111350000\*00123456\*20030910\*1814\*102389\*X\*004010  
ST\*810\*23890001  
BIG\*20030909\*9525866\*\*\*\*\*DR\*00  
REF\*BM\*2491ATS  
REF\*LU\*OMP1234  
REF\*SI\*99229932  
N1\*RI\*SPRINGDALE, AR\*91\*OMP1234  
N2\*AMERICOLD/SPRINGDALE, AR  
N3\*1200 NORTH OLD MISSOURI RD\*PO BOX 2017,  
N4\*SPRINGDALE, AR 72765  
N1\*BT\*XYZ CORPORATION CD241\*92\*00123456  
N2\*ATTN: ACCOUNTS PAYABLE DEPARTMENT  
N3\*1130 LIVE STREET  
N4\*SPRINGDALE\*AR\*72765  
N1\*WH\*SPRINGDALE, AR\*09\*0581493780620  
N3\*1200 NORTH OLD MISSOURI RD\*PO BOX 2017, PORTLAND, OR 97208-2017  
N4\*SPRINGDALE, AR 72765  
ITD\*\*5\*\*\*\*20030910  
IT1\*000000001\*3\*CW\*0.56\*\*PI\*069001\*BL\*0811\*LT\*0213449  
PID\*F\*\*\*\*GOOD PRODUCT A  
SAC\*C\*I580\*AB\*02\*17\*A\*20\*0.00056\*NT\*30\*\*\*\*HANDLING  
IT1\*000000002\*3\*CW\*0.56\*\*PI\*069001\*BL\*0811\*LT\*0213449  
PID\*F\*\*\*\*GOOD PRODUCT b  
SAC\*C\*I580\*AB\*03\*17\*A\*30\*0.00056\*NT\*30\*\*\*\*STORAGE  
IT1\*000000003\*3\*CW\*0.75\*\*PI\*069001\*BL\*0811\*LT\*0213449  
PID\*F\*\*\*\*GOOD PRODUCT C  
SAC\*C\*I580\*AB\*03\*23\*A\*30\*0.00075\*NT\*30\*\*\*\*STORAGE  
IT1\*000000004\*3\*CW\*0.56\*\*PI\*999344\*BL\*0823\*LT\*0213450  
PID\*F\*\*\*\*FROZEN GOOD PRODUCT Z  
SAC\*C\*I580\*AB\*02\*17\*A\*20\*0.00056\*NT\*30\*\*\*\*HANDLING  
IT1\*000000005\*3\*CW\*0.56\*\*PI\*999344\*BL\*0823\*LT\*0213450  
PID\*F\*\*\*\*FROZEN GOOD PRODUCT W  
SAC\*C\*I580\*AB\*03\*17\*A\*30\*0.00056\*NT\*30\*\*\*\*STORAGE  
IT1\*000000006\*3\*CW\*0.75\*\*PI\*999344\*BL\*0823\*LT\*0213450  
PID\*F\*\*\*\* FROZEN GOOD PRODUCT X  
SAC\*C\*I580\*AB\*03\*23\*A\*30\*0.00075\*NT\*30\*\*\*\*STORAGE  
IT1\*000000007\*3\*CW\*0.56\*\*PI\*123456\*BL\*0811\*LT\*0213451  
PID\*F\*\*\*\*R&D SAMPLES  
SAC\*C\*I580\*AB\*02\*17\*A\*20\*0.00056\*NT\*30\*\*\*\*HANDLING  
IT1\*000000008\*3\*CW\*0.56\*\*PI\*123456\*BL\*0811\*LT\*0213451  
PID\*F\*\*\*\*R&D SAMPLES M  
SAC\*C\*I580\*AB\*03\*17\*A\*30\*0.00056\*NT\*30\*\*\*\*STORAGE  
IT1\*000000009\*3\*CW\*0.75\*\*PI\*123456\*BL\*0811\*LT\*0213451  
PID\*F\*\*\*\*R&D SAMPLES N  
SAC\*C\*I580\*AB\*03\*23\*A\*30\*0.00075\*NT\*30\*\*\*\*STORAGE  
TDS\*171  
ISS\*3\*CA\*33\*GS  
CTT\*9  
SE\*52\*23890001  
IEA\*1\*2389