

Spartan Light Metal Products

EDI Technical Specifications For Material Releases (830)

Specifications Developed:

January 2002

Revised:

March 31, 2002

July 20, 2006

February 27, 2007

January 2002

DATA REQUIREMENTS

Miscellaneous	Standard: ANXI X12 -AIAG
EDI Acknowledgment	Functional Acknowledgment - If capabilities exists, Spartan expects to receive a Functional Acknowledgment upon receipt of the 830 by the Trading Partner
Separators	Element : * HEX 5C Segment : ~ HEX A1 Sub-Element : > HEX 6E
Wrapped	All data will be transmitted/received in an 80 byte record length
Data Frequency	Daily, Weekly
Value Added Network (VAN)	Commerce Network Sterling Commerce 4600 Lakehurst Court Dublin, OH 43016 614-793-4000
Spartan EDI Contact	Lee Ann Thompson Spartan Light Metal Products, Inc. 510 E. McClurken Ave. Sparta, IL 62286 618-443-4452 ext. 1224 lthompson@spartanlmp.com

INFORMATION REQUIREMENTS FROM TRADING PARTNER

1. Primary Contact Name, Address, Telephone Number, E-Mail Address
2. Company DUNS Number, Company Interchange ID and Qualifier
3. Value Added Network

SEGMENT SUMMARY

Segment ID	Segment Name
ISA	Interchange control Header
GS	Functional Group Header
ST	Transaction Set Header
BFR	Beginning Segment for Planning Schedule
REF	Reference Comments
N1	Name
PER	Administrative Communication Contact
LIN	Item Identification
UIT	Unit Detail
CTP	Pricing Information
REF	Reference Comments
REF	Reference Ship Via Information
REF	Reference Taxable Item Information
FST	Forecast Schedule
SHP	Shipped/Received Information
CTT	Transaction Totals
SE	Transaction Set Trailer
GE	Functional Group Trailer
IEA	Interchange Control Trailer

INTERCHANGE CONTROL HEADER – ISA

ISA*00* *00* *01*006297493*01*123456789*020121*1530*U*0400*123456789*0*P*>~

Format/ Value	Element ID	Element Position	Element Number	Data Type
'00'	ISA01	1	I01	ID
Blank	ISA02	2	I02	AN
'00'	ISA03	3	I03	ID
Blank	ISA04	4	I04	AN
'01'	ISA05	5	I05	ID
XXXXXXXXXX	ISA06	6	I06	AN
'01'	ISA07	7	I05	ID
XXXXXXXXXX	ISA08	8	I07	AN
YYMMDD	ISA09	9	I08	DT
HHMM	ISA10	10	I09	TM
'U'	ISA11	11	I10	ID
'00400'	ISA12	12	I11	AN
XXXXXXXXXX	ISA13	13	I12	N0
'0'	ISA14	14	I13	ID
'P'	ISA15	15	I14	ID
>'	ISA16	16	I15	AN

'*' = Element separator

'>' = Sub-Element Separator

'~' = Segment Separator

FUNCTIONAL GROUP HEADER – GS

GS*PS*006097493*123456789*020121*1520*123456789*X*00401~

Format/ Value	Element ID	Element Position	Element Number	Data Type	Min/Max Length	Description
'PS'	GS01	1	479	ID	2/2	Functional Id Code
XXXXXXXXXX	GS02	2	G142	AN	9/9	Sender's Application Code Spartan - 006297493
XXXXXXXXXX	GS03	3	G124	AN	9/9	Receiver's Application Code
CCYYMMDD	GS04	4	373	DT	8/8	Date of Creation
HHMM	GS05	5	9830	TM	4/4	Time of Creation
XXXXXXXXXX	GS06	6	28	N0	1/9	Group Control Number
'X'	GS07	7	455	ID	1/1	Responsible Agency
'004010'	GS08	8	480	AN	6/6	Version Number

TRANSACTION SET HEADER – ST

ST*830*0001~

Format / Value	Element ID	Element Position	Element Number	Data Type	Min/Max Length	Description
'830'	ST01	1	143	ID	3/3	Transaction Set ID
XXXXXXXXXX	ST02	2	329	AN	4/9	Transaction Set Control # (Must match Control # in SE)

BEGINNING SEGMENT – BFR

BFR*05**123456789*DL*A*20020101*20021231*20020121~

Format/ Value	Element ID	Element Position	Element Number	Data Type	Min/Max Length	Description
'05'	BFR01	1	353	ID	2/2	Transaction Set Purpose Code
						05 - Replace
						01 - Cancel
XXXXXXX	BFR03	3	328	AN	1/30	Release #
'DL'	BFR04	4	675	ID	2/2	Forecast Type Qualifier DL - Delivery
'A'	BFR05	5	676	ID	1/1	Forecast Qty Qualifier A - Actual
CCYYMMDD	BFR06	6	373	DT	8/8	Start Date
CCYYMMDD	BFR07	7	373	DT	8/8	End Date
CCYYMMDD	BFR08	8	373	DT	8/8	Date Generated

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3/13/02

REFERENCE NUMBER - REF

REF*COM*THIS IS PO HEADER INFORMATION~

Format/ Value	Element ID	Element Position	Element Number	Data Type	Min/Max Length	Description
'COM'	REF01	1	128	AN	2/3	Reference No. Qualifier COM - Comments
XXXXXXX	REF02	2	127	AN	1/30	Comment Information Free form message

***** This segment can loop up to 6 times.

NAME - N1

N1*ST*SPARTAN LIGHT METAL, INC*1*006297493~

Format/ Value	Element ID	Element Position	Element Number	Data Type	Min/Max Length	Description
'ST'	N101	1	98	AN	2/3	Entity ID Code ST - Ship to
XXXXXX	N102	2	93	AN	1/35	Ship to Company Name
'1'	N103	3	66	AN	1/2	Identifier Code Qualifier 1 - DUNS Number
XXXXXX	N104	4	67	AN	2/80	Identifier Code 006297493 - Sparta, IL plant 158154570 - Mexico, MO plant 788326096 - Hannibal, MO plant

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2/27/07

ADMINISTRATIVE COMMUNICATION CONTACT – PER

PER*BD*MIKE WELGE~

Format/ Value	Element ID	Element Position	Element Number	Data Type	Min/Max Length	Description
'BD'	PER01	1	366	ID	2/2	Contact Function Code BD - Buyer's Name
XXXXXX	PER02	2	93	AN	1/35	Buyer's Name

ITEM IDENTIFICATION DETAIL – LIN

LIN**BP*CM2164*PO*123456*PD*GASKET~

Format/ Value	Element ID	Element Position	Element Number	Data Type	Min/Max Length	Description
'BP'	LIN02	2	235	ID	2/2	Part No. ID BP - Buyer's # VP - Vendor's # ZZ - Miscellaneous #
XXXXXX	LIN03	3	234	AN	1/35	Part Number
'PO'	LIN04	4	235	ID	2/2	Purchase Order ID PO - Purchase Order #
XXXXX	LIN05	5	234	AN	1/35	Purchase Order Number
'PD'	LIN06	6	235	ID	2/2	Part Description ID PD - Buyer's Part Description
XXXXX	LIN07	7	234	AN	1/35	Part Description

UNIT DETAIL – UIT

UIT*EA~

Format/ Value	Element ID	Element Position	Element Number	Data Type	Min/Max Length	Description
'EA'	UIT01	1	355	ID	2/2	Unit of Measure Code

PRICING INFORMATION – CTP

CTP**UCP*1.43~

Format/ Value	Element ID	Element Position	Element Number	Data Type	Min/Max Length	Description
'UCP'	CTP02	2	236	ID	3/3	Price Identifier Code UCP - Unit Cost Price
99999.99	CTP03	3	212	N2	1/12	Unit Price

REFERENCE NUMBER – REF

REF*COM*THIS IS LINE ITEM INFORMATION~

Format/ Value	Element ID	Element Position	Element Number	Data Type	Min/Max Length	Description
'COM'	REF01	1	128	AN	2/3	Reference No. Qualifier COM - Comments
XXXXXX	REF02	2	127	AN	1/30	Line Item Comment Free form message

***** This segment can loop up to 6 times.

REFERENCE NUMBER – REF

REF*SV*UPS~

Format/ Value	Element ID	Element Position	Element Number	Data Type	Min/Max Length	Description
'SV'	REF01	1	128	AN	2/3	Reference No. Qualifier SV -Ship Via
XXXXX X	REF02	2	127	AN	1/30	Shipping Method

REFERENCE NUMBER – REF

REF*TAX*Y~

Format/ Value	Element ID	Element Position	Element Number	Data Type	Min/Max Length	Description
'SV'	REF01	1	128	AN	2/3	Reference No. Qualifier TAX - Taxable
XXXXX X	REF02	2	127	AN	1/30	Taxable Y - Item Taxable N - Item Not Taxable

*** This segment is used ONLY if Vendor requests Taxable Item information

FORECAST SCHEDULE – FST

FST*100*D*D*20020131****MI*CM2164~

Format/ Value	Element ID	Element Position	Element Number	Data Type	Min/Max Length	Description
99999999	FST01	1	380	R	1/15	Quantity
'D'	FST02	2	680	ID	1/1	Forecast ID C - Firm D - Planning
'D'	FST03	3	681	ID	1/1	Forecast Timing Qualifier D - Daily W - Weekly
CCYYMMDD	FST04	4	373	DT	8/8	Date
'MI'	FST08	8	128	AN	2/3	Reference No. Qualifier MI - Material Inventory #
XXXXXXX	FST09	9	127	AN	1/30	Material Inventory #

***** This segment loops

SHIPPED/RECEIVED INFORMATION - SHP

SHP*02*908*011*20020312~

Format/ Value	Element ID	Element Position	Element Number	Data Type	Min/Max Length	Description
'02'	SHP01	1	673	ID	2/2	Quantity Qualifier 01 - Discrete 02 - Cumulative
999999	SHP02	2	380	R	1/15	Quantity
'011'	SHP03	3	374	AN	3/3	Date/Time Qualifier
CCYYMMD D	SHP04	4	373	DT	8/8	Last Receive Date

This element will only be sent if there are Cum Quantities related to the associated Part Number.

TRANSACTION TOTALS – CTT

CTT*3*250~

Format/ Value	Element ID	Element Position	Element Number	Data Type	Min/Max Length	Description
9999999	CTT01	1	354	N0	1/6	Total Number of Line (LIN) Segments
99999999	CTT02	2	347	R	1/10	Hash Total: Total Qty on the FST Segments

TRANSACTION SET TRAILER – SE

SE*65*000000001~

Format/ Value	Element ID	Element Position	Element Number	Data Type	Min/Max Length	Description
999999	SE01	1	96	N0	1/10	Total number of Segments including ST and SE
XXXXXXXXXX	SE02	2	329	AN	4/9	Transaction Set Control No. (must match the Control No in ST)

FUNCTIONAL GROUP TRAILER SEGMENT – GE

GE*3*4~

Format/ Value	Element ID	Element Position	Element Number	Data Type	Min/Max Length	Description
999999999	GE01	1	97	N0	1/6	Number of sets included
XXXXXXXXXX	GE02	2	28	N0	1/9	Group control Number

INTERCHANGE CONTROL TRAILER – IEA

IEA*1*000000004~

Format/ Value	Element ID	Element Position	Element Number	Data Type	Min/Max Length	Description
99999	IEA01	1	I16	N0	1/5	Number of GS Segments
999999999	IEA02	2	I12	N0	9/9	Interchange Control Number

ISA*00* *00* *01*006297493 *01*123456789 *
020213*1003*U*00400*000000028*0*P*>μ
GS*PS*006297493*123456789*20020313*1053*28*X*004010μ
ST*830*000000071μ
BFR*05**1*DL*A*20020312*20020331*20020312μ
REF*COM*This segment displays commentsμ
REF*COM*This segment displays commentsμ
REF*COM*This segment displays commentsμ
REF*COM*This segment displays commentsμ
REF*COM*This segment displays commentsμ
REF*COM*This segment displays commentsμ
N1*ST*Spartan Light Metal Products, DEMO*1*006297493μ
PER*BD*Lacey Montroy/Buyerμ
LIN**BP*CM2164*PO*0598503*PD*2M5V6584AA GASKETμ
UIT*EAμ
CTP**UCP*2.932μ
REF*COM*This segment displays commentsμ
REF*COM*This segment displays commentsμ
REF*COM*This segment displays commentsμ
REF*COM*This segment displays commentsμ
REF*COM*This segment displays commentsμ
REF*COM*This segment displays commentsμ
REF*SV*UPSμ
REF*TAX*Yμ
FST*92*D*D*20020315****MI*CM2164μ
FST*500*D*D*20020316****MI*CM2164μ
FST*500*D*D*20020318****MI*CM2164μ
FST*500*D*D*20020331****MI*CM2164μ
SHP*02*908*011*20020312μ
CTT*1*1592μ
SE*14*000000071μ
GE*1*28μ
IEA*1*000000028μ