BETHLEHEM STEEL PURCHASE ORDER IMPLEMENTATION GUIDELINES

FOR
AMERICAN NATIONAL STANDARD
FOR ELECTRONIC BUSINESS DATA INTERCHANGE
PURCHASE ORDER TRANSACTION SET (850)

VERSION 003
RELEASE 010

INTRODUCTION

THIS SECTION PROVIDES THE FORMAT AND ESTABLISHES THE DATA CONTENT OF A PURCHASE ORDER TRANSACTION SET AS DEFINED BY BETHLEHEM STEEL CORPORATION. THE PURCHASE ORDER TRANSACTION SET PROVIDES FOR CUSTOMARY AND ESTABLISHED BUSINESS AND INDUSTRY PRACTICE RELATIVE TO THE PLACEMENT OF PURCHASE ORDERS FOR GOODS AND SERVICE PROVIDED.

Transaction set – 850 – PURCHASE ORDER

DATA SEGMENT SEQUENCE FOR THE HEADING AREA

Segment Identifier	Title	Requirement Designator	Page Number	Used by Bethlehem Steel
ST	Transaction Set Header	M	850.07	Yes
BEG	Beginning Segment for PO	M	850.08	Yes
NTE	Note/Special Instructions	F	850.09	Yes
CUR	Currency	O		No
REF	Reference Numbers	O	850.10	Yes
PER	Admin. Communication Contact	O		No
TAX	Sales Tax Reference	O	850.11	Yes
FOB	F.O.B. Related Instruction	O	850.12	Yes
CTP	Pricing Information	O		No
SSS	Special Services	O		No
CSH	Header Sale Condition	O		No
ITA	Allowance, Charge or Service	O		No
ITD	Term of Sale	O	850.13	Yes
DIS	Discount Detail	O		No
DTM	Date/Time Reference	O	850.15	Yes
LDT	Lead Time	O		No
LIN	Item Identification	O		No
PID	Product / Item / Description	O		No
MEA	Measurements	O		No
PWK	Paperwork	O		No
PKG	Marking, Packing, Loading	O		No
TD1	Carrier Details (Qty & Weight)	O		NO
TD5	Carrier Details (Routing Sequence / Transit Time)	O	850.16	Yes
TD3	Carrier Details (Equipment)	O		No
TD4	Carrier Details (Special Handing / Hazardous Materials)	O		No
MAN	Marks and Numbers	O		No
CTB	Restrictions / Conditions	O		No
N9	Reference Number	O		No
MSG	Message Text	O	850.17	Yes
N1	Name	O	850.18	Yes
N3	Address Information	O	850.19	Yes
N4	Geographic Location	O		No
REF	Reference Numbers	O		No
PER	Admin. Communication Contact	O	850.20	Yes
FOB	F.O.B. Related Instruction	O	850.12	Yes
TD1	Carrier Details (Qty & Weight)	O		NO
TD5	Carrier Details (Routing Sequence / Transit Time)	O	850.16	Yes
TD3	Carrier Details (Equipment)	O		No
TD4	Carrier Details (Special Handing / Hazardous Materials)	O		No
PKG	Marking, Packing, Loading	O		No

Transaction set – 850 – PURCHASE ORDER

DATA SEGMENT SEQUENCE FOR THE DETAIL AREA

Segment Identifier	Title	Requirement Designator	Page Number	Used by Bethlehem Steel
P01	PO Baseline Item Data	M	850.21	Yes
CUR	Currency	O		No
P03	Additional Item Detail	O		No
CTP	Pricing Information	O		No
MEA	Measurements	O		No
PID	Product / Item Description	O	850.23	Yes
MEA	Measurements	O		No
PWK	Paperwork	O		No
PKG	Marking, Packing, Loading	O		No
P04	Item Physical Details	O		No
REF	Reference Numbers	O	850.24	Yes
PER	Admin. Communications Contact	O		No
SSS	Special Services	O		No
ITA	Allowance, Charge or Service	O		No
IT8	Condition of Sale	O		No
ITD	Term of Sale	O		No
DIS	Discount Detial	O		No
TAX	Sales Tax Reference	O		No
FOB	F.O.B. Related Instructions	O		No
SDQ	Destination Quantity	O		No
IT3	Additional Item Data	O		No
DTM	Date / Time Reference	O		No
LDT	Lead Time	O		No
SCH	Line Item Schedule	O	850.25	Yes
TD1	Carrier Detail (Qty & Weight)	)		No
TD5	Carrier Details (Routing Sequence / Transit Time)	O		No
TD3	Carrier Details (Equipment)	O		No
TD4	Carrier Details (Special Handing / Hazardous Materials)	O		No
MAN	Marks and Numbers	O		No
AMT	Monetary Amount	O		No
SLN	Subline Item Detail	O		No
PID	Product / Item Description	O		No
P03	Additional Item Detail	O		No
N9	Reference Number	O		No
MSG	Message Text	O		No
N1	Name	O		No
N3	Address Information	O		No
N4	Geographic Location	O		No
REF	Reference Numbers	O		No
PER	Admin. Communications Contact	O		No
FOB	F.O.B. Related Instruction	O		No
TD1	Carrier Details (Qty & Weight)	O		No
TD5	Carrier Details (Routing Sequence /	O		No

	Transit Time)			
TD3	Carrier Details (Equipment)	O		No
TD4	Carrier Details (Special Handing / Hazardous Materials)	O		No
PKG	Marking, Packing, Loading	O		No

Transaction set – 850 – PURCHASE ORDER

DATA SEGMENT SEQUENCE FOR THE SUMMARY AREA

Segment Identifier	Title	Requirement Designator	Page Number	Used by Bethlehem Steel
CTT	Transaction Totals	M	850.26	Yes
AMT	Monetary Amount	O		No
SE	Transaction Set Trailer	M	850.27	Yes

Transaction set – 850 – PURCHASE ORDER

Segment: ST – TRANSACTION SET HEADER

Level: HEADING

Max use/loops: 1/NONE

Purpose: THE FIRST SEGMENT OF EACH TRANSACTION SET CONTAINING THE TRANSACTION SET IDENTIFIER AND CONTROL NUMBER.

General
Information: THE TRANSACTION SET IDENTIFIER (ST01) IS INTENDED FOR USE BY THE TRANSLATION ROUTINES OF THE INTERCHANGE PARTNERS TO SELECT THE APPROPRIATE TRANSACTION SET DEFINITION (e.g., 850 SELECTS THE PURCHASE ORDER TRANSACTION SET)

Examples: ST*850001 N/L

Elem id	Ded #	Name	Features	Comments
ST01	143	TRANSACTION SET ID CODE	M ID 03/03	We will use “850”
ST02	329	TRANSACTION SET CTRL. NO.	M AN 04/09	A unique number assigned to each transaction set within a functional group. Starting with 0001 and incrementing by 1 for each subsequent transaction set.

Transaction set – 850 –PURCHASE ORDER

Segment: BEG – BEGINNING SEGMENT FOR PURCHASE ORDER

Level: HEADING

Max use/loops: 1/NONE

Purpose: TO INDICATE THE BEGINNING OF THE PURCHASE ORDER TRANSACTION SET AND TRANSMIT IDENTIFYING NUMBERS AND DATES.

General Information: BETHLEHEM PURCHASING RECOGNIZES THE NEED TO SUPPORT THE FOLLOWING PO TRANSACTION SET PURPOSE – ORIGINAL, REPLACE, CONFIRMATION AND DUPLICATE.

Examples: BEG*00*SA*0100-1234567**920408 N/L
BEG*00*RL*0100-1234566**920408*B000010 N/L

Elem id	Ded #	Name	Features	Comments
BEG01	353	TRANSACTION SET PURPOSE	M ID 02/02	
ACCEPTABLE CODE VALUES 00 – ORIGINAL (FIRST TIME BUYER, SENDS THIS ORDER) 05 – REPLACE (USED ONLY WHEN A SUPPLIER ASKS A BUYER TO RESEND AND ENTIRE ORDER AFTER A CHANGE HAS BEEN MADE) 06 – CONFIRMATION (TO CONFIRM INFORMAL OR ORAL ORDER) 07 – DUPLICATE (TO RESEND A PO ON REQUEST)				
BEG02	92	PURCHASE ORDER TYPE	M ID 02/02	
ACCEPTABLE CODE VALUES BE – BLANKET ORDER (ESTIMATED QUANTITY) RL – RELEASE Sa – STAND ALONE ORDER				
BEG03	324	PURCHASE ORDER NUMBER	M AN 01/22	
BEG04	328	RELEASE NUMBER	O AN 01/30	N/A
BEG05	323	PURCHASE ORDER DATE	M DT 06/06	YYMMDD
BEG06	367	CONTACT NUMBER	O AN 01/30	BLANKET ORDER NUMBER ON RELEASE ORDER=RL
BEG07	587	ACKNOWLEDGEMENT TYPE	O ID 02/02	N/A

Transaction set: - 850 – PURCHASE ORDER

Segment: NTE – NOTE/SPECIAL INSTRUCTION

Level: HEADING

Max use/loops: 100/NONE

Purpose: TO TRANSMIT INFORMATION IN A FREE FORM FORMAT, IF NECESSARY, FOR COMMENT OR SPECIAL INSTRUCTION.

General
Information: THE NTE SEGMENT PERMITS FREE-FORM INFORMATION / DATA WHICH, UNDER THE ANSI X12 STANDARD IMPLEMENTATIONS, IS NOT MACHINE PROCESS ABLE. THE USE OF THE “NTE” SEGMENT SHOULD THEREFORE BE AVOIDED, IF AT ALL POSSIBLE, IN AN AUTOMATED ENVIRONMENT.

Examples: NTE*ORI*PLEASE CALL BUYER 2 HOURS PRIOR TO DELIVERY N/L

Elem ID	Ded #	Name	Feature	Comments
NTE01	363	NOTE REFERENCE CODE	O ID 3/3	“ORI” = ORDER INSTRUCTION
NTE02	003	FREE-FORM MESSAGE	M AN 1/60	

Transaction set –850 –PURCHASE ORDER

Segment: REF – REFERENCE NUMBERS

Level: HEADING

Max use/loops: 12/NONE

Purpose: TO SPECIFY IDENTIFYING NUMBERS ASSOCIATED WITH THE NAMED PARTY

General Information: THREE “REF”: SEGMENTS WILL BE USED IN THE HEADING AREA WHEN APPLICABLE.

Examples:
REF*CJ*123 N/L
REF*CL**ATTACHMENT BY MAIL N/L
REF*DP*315 N/L

Elem ID	Ded #	Name	Feature	Comments
REF01	128	REFERENCE NO. QUALIFIER	M ID 02/02	
ACCEPTABLE CODE VALUES CJ – CLAUSE NUMBER C1 – CUSTOMER MATERIAL SPECIFICATIONS DP – DEPARTMENT NUMBER RQ – REQUISITION NUMBER				
REF02	127	REFERENCE NUMBER	C AN 01/30	REF02 WILL CONTAIN THE STANDARD CLAUSE NUMBER WHEN REF01 = “CJ” REF02 WILL CONTAIN THE REQUISITIONING DEPARTMENT NUMBER WHEN REF01 – “DP”
REF03	352	DESCRIPTION	C AN 01/80	

Transaction set –850 –PURCHASE ORDER

Segment: TAX – SALES TAX REFERENCE

Level: HEADING

Max use/loops: 3/NONE

Purpose: TO PROVIDE DATA REQUIRED FOR PROPER NOTIFICATION / DETERMINATION OF APPLICABLE SALES AND RELATED TAXES APPLYING TO THE TRANSACTION.

General Information: AT LEAST ONE – TAX01 OR TAX02 MUST BE PRESENT.
IF TAX02 IS USED – TAX03 IS REQUIRED.
IF TAX04 IS USED – TAX03 IS REQUIRED.
IF TAX06 IS USED – TAX05 IS REQUIRED.
IF TAX08 IS USED – TAX07 ID REQUIRED.
IF TAX10 IS USED - TAX11 IS REQUIRED.

TAX01 IS REQUIRED IF TAX EXEMPTION IS BEING CLAIMED.

TAX ID NUMBER IS IN MANY INSTANCES, REFERRED TO AS A "TAX EXEMPTION NUMBER."

THIS SEGMENT WILL BE SENT ONLY WHEN AN EXEMPTION IS CLAIMED.

Examples: TAX*8469*SP*PA N/L

Elem ID	Ded #	Name	Feature	Comments
TAX01	325	TAX ID NUMBER	C AN 01/20	TAX CERTIFICATE NUMBER
TAX02	309	LOCATION QUALIFIER	O ID ½	"SP" = STATE OR PROVINCE
TAX03	310	LOCATION IDENTIFIER	C AN 01/25	STATE
TAX04	309			N/A
NOTE: TAX04 THRU PROVIDE FOUR ADDITIONAL PAIRS OF LOCATION QUALIFIER (309) AND LOCATION IDENTIFIER (310).				
TAX11	310			N/A
TAX12	441	TAX EXEMPT CODE	O ID 01/01	N/A

Transaction set –850 –PURCHASE ORDER

Segment: FOB – FOB RELATED INSTRUCTIONS

Level: HEADING

Max use/loops: 1/NONE

Purpose: TO SPECIFY TRANSPORTATION INSTRUCTION RELATING TO SHIPMENT.

General Information: FOB01 – INDICATES WHICH PARTY WILL PAY THE CARRIER.
FOB06 – IS THE CODE SPECIFYING TITLE PASSAGE LOCATION.

Examples: FOB*pp*OR*ORIGIN***DE*DESTINATION N/L

Elem ID	Ded #	Name	Feature	Comments
FOB01	146	SHIPMENT METHOD OF PAYMENT	M ID 02/20	WILL USE “CC” = COLLECT OR “PP” = PREPAID, IF PAID BY SELLER
FOB02	309	LOCATION QUALIFIER	C ID 01/02	“OR” (ORIGIN) OR “DE” (DESTINATN)
FOB03	352	DESCRIPTION	O AN 01/08	“ORIGIN” IF FOB02 = “OR” DESTINATION” IF FOB02 = “DE”
FOB04	334	TRANSPORTATION TERMS QUAL.	O ID 02/02	N/A
FOB05	335	TRANSPORTATION TERMS	O ID 03/03	N/A
FOB06	309	LOCATION QUALIFIER	O ID 01/02	“OR” (ORIGIN) OR “DE” DESTINATN)
FOB07	352	DESCRIPTION	O AN 01/80	“ORIGIN” IF FOB06 = “OR” “DESTINATION” IF FOB06 = “DE”
FOB08	54	RISK OF LOSS QUALIFIER	O ID 02/02	N/A
FOB09	352	DESCRIPTION	O AN 01/80	N/A

Transaction set –850 –PURCHASE ORDER

Segment: ITD – TERMS OF SALE/DEFERRED TERMS SALE

Level: HEADING

Max use/loops: 5/NONE

Purpose: TO SPECIFY TERMS OF SALE.

General Information: IF ITD03 IS USED, ITD13 IS REQUIRED.
PERCENT AS USED IN ITD03 ARE TO BE REPRESENTED AS WHOLE NUMBERS AND DECIMALS AS INDICATED BY EXAMPLES BELOW:

PERCENT	REPRESENTED BY
TWELVE AND ONE HALF	12.5
SIX	6

ITD07 & ITD13 SEGMENTS WILL BE USED WHEN PAYMENT TERMS INCLUDE A RANGE OF DATES.

Examples:

ITD*01*3*****30 N/L	(NET 30)
ITD*01*3****920408 N/L	(NET 4/8/92)
ITD*01*3*.5**10**30*Nnn N/L	(NET 30-1/2-10)
ITD*01*3****920430 N/L	(NET 4/30/92)
ITD*09*3 N/L	(PROXIMO)

Elem ID	Ded #	Name	Feature	Comments
ITD01	336	TERMS TYPE CODE	O ID 02/02	
		ACCEPTABLE CODE VALUES 01 – BASIC 09 – PROXIMO		
ITD02	333	TERMS BASIS DATE CODE	O ID ½	3 = INVOICE DATE
ITD03	338	TERMS DISCOUNT %	O R 01/06	
ITD04	370	TERMS DISCOUNT DUE DATE	O DT 06/06	N/A
ITD05	351	TERMS DISCOUNT DAYS DUE	O NO 01/03	
ITD06	446	TERMS NET DUE DATE	O DT 06/06	N/A
ITD07	386	TERMS NET DAYS	O NO 01/03	
ITD08	362	TERMS DISCOUNT AMOUNT	O N2 01/10	N/A
ITD09	388	TERMS DEFERRED DUE DATE	O DT 06/06	N/A
ITD10	389	TERMS AMOUNT DUE	O N2 01/10	N/A
ITD11	342	% INVOICE PAYABLE	O R 01/05	N/A
ITD12	352	DESCRIPTION	O AN 01/80	N/A
ITD13	765	DAY OF MONTH	O DT 06/06	DAY WITHIN A MONTH THAT DISCOUNT IS APPLICABLE
ITD14	107	PAYMENT METHOD CODE	I ID 01/01	N/A

Transaction set –850 –PURCHASE ORDER

Segment: DTM – DATE/TIME REFERENCE

Level: HEADING

Max use/loops: 10/NONE

Purpose: TO SPECIFY PERTINENT DATE AND TIMES.

General Information: AT LEAST ONE OF DTM02 OR DTM03 MUST BE PRESENT.

Examples: DTM*106*920414 N/L

Elem ID	Ded #	Name	Feature	Comments
DTM01	374	DATE/TIME QUALIFIER	M ID 03/03	
ACCEPTABLE CODE VALUES 079 – PROMISED BY 106 – REQUIRED BY				
DTM02	373	DATE	O DT 06/06	YYMMDD
DTM03	337	TIME	O TM 04/04	
DTM04	623	TIME CODE	O ID 02/02	N/A

BETHLEHEM STEEL PURCHASE ORDER IMPLEMENTATION GUIDELINES

Transaction set –850 –PURCHASE ORDER

Segment: TD5 – CARRIER DETAIL (ROUTING SEQUENCE/TRANSIT TIME)

Level: HEADING

Max use/loops: 12/NONE

Purpose: TO SPECIFY THE CARRIER SEQUENCE OF ROUTING AND TO PROVIDE TRANSIT TIME.

General Information: OUR PURCHASE SYSTEM CANNOT CURRENTLY SUPPLY SCAC CODES.

Examples: TD5*B****SUPPLIER TRUCK ******.0000 N/L

Elem ID	Ded #	Name	Feature	Comments
TD501	133	ROUTING SEQUENCE SODE	M ID ½	
ACCEPTABLE CODE VALUES B – ORIGIN/DELIVERY CARRIER				
TD502	66	ID CODE QUALIFIER	O ID ½	N/A
TD503	67	ID CODE	O AN 02/12	N/A
TD504	91	TRANSPORTATION METH/TYPE CODE	O ID 02/02	N/A
TD505	387	ROUTING	O AN 01/35	FREE-FORM ROUTING
TD506	368	SHIP ORDER STATUS CODE	O ID 02/2	N/A
TD507	309	LOCATION QUALIFIER	O ID 02/02	N/A
TD0508	310	LOCATION IDENTIFIER	O AN 01/25	N/A
TD0509	731	TRANSIT DIRECTION QUALIFIER	O ID 02/02	N/A
TD510	732	TRANSIT TIME DIR QUALIFIER	O ID 02/02	N/A
TD511	733	TRANSIT TIME	O R 01/04	N/A

Transaction set –850 –PURCHASE ORDER

Segment: N1 – NAME

Level: HEADING

Max use/loops: 1/200

Purpose: TO IDENTIFY A PARTY BY TYPE OF ORGANIZATION, NAME AND CODE.

General Information: WE USE DUN AND BRADSTREET DUN'S NUMBERS (DUNS) TO IDENTIFY BETHLEHEM LOCATION WHERE THIS IS SUFFICIENT.

WE WILL GIVE YOU A COPY OF OUR DUNS TABLES SHOWING ADDRESS AND REQUIRE YOU TO GIVE US THE SAME.

WE WILL USE THE FULL NAME AND ADDRESS INFORMATION IN THE N1 LOOP FOR ST (SHIP TO).

Examples: N1*ST**1*001211870 N/L
N1*ST*BETHLEHEM STEEL CORP N/L

Elem ID	Ded #	Name	Feature	Comments
N101	98	ENTITY IDENTIFIER CODE	M ID 02/02	
		ACCEPTABLE CODE VALUES BT – BILL TO (ACCOUNT PAYABLE) BY – BUYING PARTY (BETHLEHEM'S PLANT DOING PURCHASE) ST- SHIP TP (SHIP TO PLANT) SU – SUPPLIER		
N102	93	NAME	O AN 01/35	
N103	66	ID CODE QUALIFIER	O ID 01/02	
		ACCEPTABLE CODE VALUES 1 – DUNS NUMBER		
N104	67	ID CODE	O AN 02/17	

Transaction set –850 –PURCHASE ORDER

Segment: N2 – ADDITIONAL NAME

Level: HEADING

Max use/loops: 2/NONE

Purpose: TO SPECIFY ADDITIONAL NAMES OR THOSE LONGER THAN 35 CHARACTERS

General Information: USE ONLY TO EXPRESS NAME AND ADDRESS IN THE SHIP-TO LOOP.

Examples: N2*SAN ALAMEDO DE LA MADRID SUBDIVISIONAL OFFICE BLDG C N/L
N2*SPARROWS POINT DIVISION*SPARROWS POINT PLANT N/L

Elem ID	Ded #	Name	Feature	Comments
N201	93	NAME	M AN 01/35	
N202	93	NAME	O AN 01/35	

Transaction set –850 –PURCHASE ORDER

Segment: N3 – ADDRESS INFORMATION

Level: HEADING

Max use/loops: 2/NONE

Purpose: TO SPECIFY THE LOCATION OF A NAME PARTY

General Information: USED ONLY TO EXPRESS NAME AND ADDRESS IN THE SHIP-TO LOOP.

Examples: N3*6789 PLEASURE WAY DOOR 306 N/L
N3*481 PIPE FITTERS TKDK449 * SPARROWS POINT MD 21219 N/L
N3*ATTN ANDY N/L

Elem ID	Ded #	Name	Feature	Comments
N301	166	ADDRESS	M AN 01/35	
N302	166	ADDRESS	O AN 01/35	

Transaction set –850 –PURCHASE ORDER

Segment: PER – ADMINISTRATIVE COMMUNICATIONS CONTACT

Level: HEADING

Max use/loops: 3/NONE

Purpose: TO IDENTIFY A PERSON OR OFFICE TO WHOM ADMINISTRATIVE COMMUNICATION SHOULD BE DIRECTED.

General Information: USED TO PROVIDE BUYER'S NAME IN "BY" LOOP AND TO PROVIDE CONTACT NAME IN "SU" LOOP

Examples: PER*BD*BUY MOHR*TE*215-694-9999 N/L
PER*CW*BOBBY SALESMAN N/L

Elem ID	Ded #	Name	Feature	Comments
PER01	366	CONTACT FUNCTION CODE	M ID 02/02	"BD" = BUYER NAME "CW" = CONFIRMED WITH
PER02	93	NAME	O AN 01/35	
PER03	365	COMMUNICATION NO. QUALIFIER	O ID 02/02	'TE' – TELEPHONE
PER04	364	COMMUNICATION NUMBER	O AN 07/21	PHONE NUMBER TO BE USED FOR INQUIRIES

BETHLEHEM STEEL PURCHASE ORDER IMPLEMENTATION GUIDELINES

Transaction set –850 –PURCHASE ORDER

Segment: PO1 – PURCHASE ORDER BASELINE ITEM DATA

Level: DETAIL

Max use/loops: 1/100,000

Purpose: TO SPECIFY BASIC AND MOST FREQUENTLY USED PURCHASE ORDER LINE ITEM DATA.

General Information: 1. THIS SEGMENT OCCURS ONCE FOR EACH ITEM – MANDATORY

2. PO101, PO LINE NUMBER, SEQUENTIALLY NUMBERS, IS USED FOR MULTIPLE ITEM ORDERS.

3. IN ELEMENTS PO106 THRU PO109 WE WILL PROVIDE OUR MATERIAL CONTROL CODE AND IF AVAILABLE THE VENDORS PART NUMBER. VENDOR'S PART NUMBER WILL HAVE A PRODUCT ID QUALIFIER OF "VP".

OUR MATERIAL CONTROL CODES (MCC) AND THEIR ASSOCIATED ITEM DESCRIPTION WILL BE MUTUALLY AGREED TO PRIOR TO IMPLEMENTATION, WHENEVER POSSIBLE.

WE WILL USE THE FOLLOWING METHOD TO KEEP YOUR TABLE UP TO DATE.

- WHEN BUYING AN ITEM THAT WAS NOT INCLUDED ON THE INITIAL LIST OF MCC'S WE WILL SEND A QUALIFIER OF "PD" (PART NUMBER DESCRIPTION), AND THE NEW MCC#. THE ITEM DESCRIPTION WILL BE CONTAINED IN SUBSEQUENT PID SEGMENTS IN THE PO1 LOOP.
- YOU MUST ADD THE MCC# AND DESCRIPTION TO YOUR TABLE.
- IF WE HAVE PURCHASED THE ITEM FORM YOU BEFORE WE WILL SEND A QUALIFIER OF "BP" (BUYER'S PART NUMBER). NO ITEM DESCRIPTION (PID SEGMENTS) WILL BE SENT. THIS IS NEGOTIABLE, IF REQUIRED WE WILL BE ABLE TO SEND ITEM DESCRIPTION ON ALL ORDERS.

Examples: PO1*1*500000*EA*12.40**BP*123456789*VP*12345 N/L
PO1*1*500000*EA*12.40**BP*123456789 N/L

Elem ID	Ded #	Name	Feature	Comments
PO101	350	PO LINE NUMBER	O AN 01/06	
PO102	330	QUANTITY ORDERED	M R 01/09	
PO103	355	UNIT OF MEASUREMENT CODE	M ID 02/02	QUALIFIES QUANTITY ORDERED IN PO102
PO104	212	UNIT PRICE	O R 01/14	
PO105	639	BASIS OF UNIT PRICE CODE	O ID 02/02	IF NOT USED, PRICE IS BASED ON UNIT OF MEASURE IN PO103

ACCEPTABLE CODE VALUES AP – ADVISE PRICE CA – CATALOG ES – ESTIMATED QT – QUOTED				
PO106	235	PRODUCT/ SERVICE ID QUALIFIER	O ID 02/02	“PD” OR “BP”, IF A CATALOGED ITEM. “BP” – BUYER’S PART NUMBER (PREVIOUSLY ORDERED ITEMS). “PD” – PART NUMBER DESCRIPTION (NEW ITEMS). “MG” – MANUFACTURES PART NUMBER
PO107	234	PRODUCT/SERVICE ID	O AN 01/30	MCC NUMBER (IF CATALOG)
PO108	235	PRODUCT/SERVICE ID QUALIFIER	O ID 02/02	“VP”
PO109	234	PRODUCT/SERVICE ID QUALIFIER	O AN 01/30	VENDOR PART NUMBER
**NOTE: PO110 THRU PO125 PROVIDE 8 ADDITIONAL PAIRS OF PRODUCT/SERVICE ID QUALIFIER (235) AND PRODUCT/ SERVICE ID (234) USED IN THE SAME MANNER AS PO106 AND PO107.				
PO125	234			

Transaction set –850 –PURCHASE ORDER

Segment: PID – PRODUCTION DESCRIPTION

Level: DETAIL

Max use/loops: 1/1000

Purpose: TO DESCRIBE A PRODUCT OR PROCESS IN CODED OR FREE FORM FORMAT.

General Information: 1. THIS SEGMENT ID USED TYPICALLY WHEN A MATERIAL CONTROL CODE OR SIMILAR CODE IN SEGMENT PO1 DOES NOT COMPLETELY DEFINE THE PRODUCT TO HE TRADING PARTNERS.

2. WE WILL BE USING THE PID FOR FREE-FORM PRODUCT DESCRIPTION.

3. THE SEGMENT WILL BE USED FOR ITEM HAVING A MATERIAL CONTROL CODE ESTABLISHED WITH THE SUPPLIER WHEN DESCRIPTION IS MODIFIED FOR AN ORDER.

Examples: PID*F*08**ONE INCH PAPER CLIPS N/L

Elem ID	Ded #	Name	Feature	Comments
PID01	349	ITEM DESCRIPTION TYPE	M ID 01/01	F – FREEFORM
PID02	750	PROD/PROC CHARACTERISTIC CODE	O ID 02/03	08 = PRODUCT
PID03	559	ASSOCIATION QUALIFIER	O ID 02/02	N/A
PID04	751	PRODUCT DESCRIPTION CODE	O ID 01/12	N/A
PID05	352	DESCRIPTION	O AN 01/80	
PID06	752	SURFACE/LAYER POS. INDICATOR	O ID 02/02	N/A

Transaction set –850 –PURCHASE ORDER

Segment: REF – REFERENCE NUMBERS

Level: DETAIL

Max use/loops: 12/NONE

Purpose: TO SPECIFY IDENTIFYING NUMBERS ASSOCIATED WITH THE NAMED PARTY.

General Information: WHEN USED AT THIS POINT, REF APPLIES TO THE ENTIRE ITEM. TWO "REF" SEGMENT WILL BE USED BY BETHLEHEM IN THE DETAIL AREA WHEN APPLICABLE

Examples: REF*CJ*301 N/L
REF*RQ*0167764 N/L

Elem ID	Ded #	Name	Feature	Comments
REF01	128	REFERENCE NO. QUALIFIER	M ID 02/02	"CJ" = CLAUSE NUMBER "RQ" = PURCHASE REQUISITION NUMBER
REF02	127	REFERENCE NUMBER	O AN 01/30	REF02 WILL CONTAIN THE STANDARD CLAUSE NUMBER WHEN REF01 = "CJ" REF02 WILL CONTAIN THE REQUISITION NUMBER WHEN REF02 = "RQ"
REF03	352	DESCRIPTION	O AN 01/80	

Transaction set –850 –PURCHASE ORDER

Segment: SCH – LINE ITEM SCHEDULE

Level: DETAIL

Max use/loops: 200/NONE

Purpose: TO SPECIFY THE DATA FOR SCHEDULING A SPECIFIC LINE ITEM.

General Information: THIS SEGMENT IS USED TO SPECIFY PROMISED OR REQUIRED DATES FOR SPECIFIC LINE ITEM WHEN THOSE DATES DIFFER FORM THE HEADER.

THIS ID USED TO SPECIFY VARIOUS QUANTITIES OF ITEMS ORDERED WHICH ARE TO BE SCHEDULED. WHEN USED THE UNIT OF MEASUREMENT CODE (SCH02) SHOULD ALWAYS BE IDENTICAL TO THE UNIT OF MEASUREMENT CODE IN THE ASSOCIATED PO1 SEGMENT (PO103) AND THE SUM OF VALUES OF QUANTITY (SCH01) SHOULD ALWAYS EQUAL THE QUANTITY ORDERED (PO102) IN THE PO1 SEGMENT.

Examples: SCH*2000*EA***106*991128*0000***0000 N/L

Elem ID	Ded #	Name	Feature	Comments
SCH01	380	QUANTITY	M R 01/10	
SCH02	355	UNIT IF MEASURE CODE	O ID 02/02	
SCH03	98	ENTITY ID CODE	O ID 02/02	N/A
SCH04	93	NAME	O AN 01/35	N/A
SCH05	374	DATE/TIME QUALIFIER	M ID 03/03	“079” = PROMISED FOR SHIPMENT BY “106” = REQUIRED BY
SCH06	373	DATE	M DT 06/06	YYMMDD
SCH07	337	TIME	O TM 04/04	
SCH08	374	DATE/TIME QUALIFIER	M ID 03/03	N/A
SCH09	373	DATE	M DT 06/06	N/A
SCH10	337	TIME	O TM 04/04	

Transaction set –850 –PURCHASE ORDER

Segment: CTT – TRANSACTION TOTALS

Level: SUMMARY

Max use/loops: 1/NONE

Purpose: TO TRANSMIT A HASH TOTAL FOR A SPECIFIC ELEMENT IN THE TRANSACTION SET.

General Information: CTT01 AND CTT02 ARE USED BY BETHLEHEM

CTT03 THRU CTT07 ARE NOT USED.

THE NUMBER OF LINE ITEMS (CTT01 IS THE ACCUMULATION OF THE NUMBER OF PO1 SEGMENTS. IF USED, HASH TOTAL (CTT02) IS THE SUM OF THE VALUE OF QUANTITIES ORDERED (PO102) FOR EACH PO1 SEGMENT.

Examples: CTT*79*90275 N/L

Elem ID	Ded #	Name	Feature	Comments
CTT01	354	NUMBER OF LINE ITEMS	M NO 01/06	TOTAL NUMBER OF PO1 SEGMENTS
CTT02	347	HASH TOTAL	O R 01/10	ACCUMULATION OF VALUE OF QUANTITY (PO102)
CTT03	81	WEIGHT	O R 01/08	N/A
CTT04	355	UNIT OF MEASUREMENT CODE	O ID 02/02	N/A
CTT05	183	VOLUME	O R 01/08	N/A
CTT06	355	UNIT OF MEASUREMENT CODE	O ID 02/02	N/A
CTT07	352	DESCRIPTION	O AN 01/80	N/A

Transaction set –850 –PURCHASE ORDER

Segment: SE – TRANSACTION SET TRAILER

Level: SUMMARY

Max use/loops: 1/NONE

Purpose: TO INDICATE THE END OF THE TRANSACTION SET AND PROVIDE THE COUNT OF THE TRANSMITTED SEGMENTS OF EACH TRANSACTION SET.

General Information: THE NUMBER OF INCLUDED SEGMENTS IS THE TOTAL OF ALL SEGMENTS USED IN THE TRANSACTION SET INCLUDING THE ST AND SE SEGMENTS.

THE TRANSACTION SET CONTROL NUMBER IN THE TRAILER MUST MATCH THE SAME ELEMENT VALUE IN THE TRANSACTION SET HEADER (ST02).

Examples: SE*77*0001 N/L

Elem ID	Ded #	Name	Feature	Comments
SE01	96	NUMBER OF INCLUDED SEGMENTS	M NO 01/06	
SE02	329	TRANS. SET CONTROL NO.	M AN 04/09	USE VALUE IN ST02