



COMMERCIAL AIRPLANES GROUP

SUPPLIER NETWORK
Electronic Data Interchange



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Introduction

Year 2000 Requirements and Standard's Versions

Due to Y2K (Year 2000) efforts, we have upgraded our EDI formats to be in compliance with Y2K date formatting.

The current versions of the standards we use are:

- ANSI ASC X12 - version 4010

EDI Standards and Transaction Sets

The following are the required ANSI ASC X12 transaction sets' message sets' standards:

- ANSI ASC X12:
 - 850 - Purchase Order
 - 855 - Purchase Order Acknowledgment
 - 860 - Purchase Order Change
 - 865 - Purchase Order Change Acknowledgment
 - 997 - Functional Acknowledgment

Purchase Order and Purchase Order Change and Acknowledgements

- The ANSI ASC X12 **850** transaction set message requires the 855 to be returned within 10 days of issue of the original Purchase Order.
- The ANSI ASC X12 **860** transaction set message requires the 865 to be returned within 10 days of issue of the Purchase order change.
- The ANSI ASC X12 997 transaction set message is required to be returned with 48 hours of the 850/860 being sent out.

EDI Integration Test

Purpose

This section defines Boeing Commercial Airplane Group, Materiel Division, EDI test requirements for all inbound and outbound EDI transactions.

The purpose of the integration testing is to confirm that the trading partner can successfully:

1. Acknowledge an EDI transmission;
2. Translate between the ANSI ASC X12 format and native application files, i.e. confirm the application data is mapped correctly.

Although the following is not a direct part of the testing process, it is equally important DURING TESTING for the trading partner to confirm their internal business process(es) is receiving the data they require, and can interpret the data and understand what data is being sent.

Test and Production Environment Considerations

Overview

- Testing is required for each trading partner before they can be moved into a production environment.
- Testing will be scheduled to last one month.
 - An Index of Tests is provided to document the disposition of the test. A description of the required functionality and test (pass/fail) criteria is included.

Common Testing Issues:

ISA

- ISA level indicator during testing will reflect “T” (for test) during the testing phase
- The ISA level indicator for production must be revised to “P” (for production) at the time when production data is sent to the trading partner.

GS

- GS functional group level (GS02) will reflect “PCOSTEST” during the testing phase
- The GS02 element will be revised to “PCOS” when production data is sent to the trading partner.

VAN and Interchange ID

- The VANs we use are AT&T and GEIS. Which VAN we use is dependent on who your VAN is.

	TEST environment:	PRODUCTION environment:
AT&T	Our Qualifier is 01, Interchange Id is 009256819	Our Qualifier is 01, Interchange Id is 627786767
GEIS	Our Qualifier is 12, Interchange Id is 4252376148	Our Qualifier is 12, Interchange Id is 4252660502

EDI Integration Test - continued

Integrated Functional Test Steps

The trading partner will receive test purchase orders generated from the Purchase Control On-Line System via EDI.

Part A - Acknowledgment & Data Translation

- The trading partner is required to send a 997 transaction) acknowledging each test purchase order to Commercial Airplanes.
- The trading partner is required to send a 855 or 865 acknowledging for each test purchase order or purchase order change to Commercial Airplanes.
- The trading partner is required to translate the test data using the trading partner's chosen standard (ANSI ASC X12) and the applicable overlay formats.

Part B - Parallel Mode & Data Verification

- The trading partner receives production purchase orders via EDI in a parallel mode (i.e., purchase orders will be sent via EDI and paper).
- The trading partner compares the translated data, native data and actual hard copy (paper copy) of the end document to ensure accuracy and completeness.

Upon successful completion of the integrated functional test, the trading partner will be migrated into a production mode, that is, paper will no longer be sent.

Index of Tests Form

The trading partner will not be required to return the completed Index of Tests but is advised to complete the log for their records.

Performance of this test confirms the adherence to ANSI ASC X12 or UN/EDIFACT EDI standards.

PART	Date Passed	Date Failed	Supplier Initials
A			
B			

EDI Integration Test - continued

Integrated Functional Test Part A

Terminology	<ul style="list-style-type: none"> • Originator will mean Commercial Airplanes • Recipient will mean the trading partner • Native data - the data prior to being processed by the recipient's translator. • Translated data - the data processed by the recipient's translator.
Required Functionality - ANSI ASC X12	<p>The originator sends test transmissions to the recipient.</p> <p><u>850 Transaction Set</u></p> <ol style="list-style-type: none"> 1. When the recipient receives the 850 transaction set(s), the recipient sends the originator the 997 Functional Acknowledgment transaction set(s) as well as the 855 Purchase Order Acknowledgment. 2. <ol style="list-style-type: none"> a. The trading partner translates from ANSI ASC X12 format. b. The trading partner compares the native data with the translated data. <p><u>860 Transaction Set</u></p> <ol style="list-style-type: none"> 1. When the recipient receives the 860 transaction set(s), the recipient sends the originator the 997 Functional Acknowledgment transaction set(s) as well as the 865 Purchase Order Change Acknowledgment. 2. <ol style="list-style-type: none"> a. The trading partner translates from ANSI ASC X12 format. b. The trading partner compares the native data with the translated data.
Test Criteria	<p>PASS: The recipient sends a Functional Acknowledgment (997) and a Purchase Order Acknowledgment (855) or a Purchase Order Change Acknowledgment (865) and it is received by the originator without errors.</p> <p>FAIL: A 997 or 855 or 865 is not successfully received by the originator..</p>

Integrated Functional Test Part B

Required Functionality	<p>The originator (Commercial Airplanes) sends production purchase orders via EDI in a parallel mode (i.e., production purchase orders will be sent via EDI and paper). <u>This parallel mode of operation should not last more than one month.</u></p> <ul style="list-style-type: none"> • The trading partner compares the translated data, native data and actual hard copy (paper copy) of the end document.
Test Criteria	<p>PASS: Each viewed document correctly matches.</p> <p>FAIL: The presence of any discrepancies or translation errors between viewed documents exists.</p>

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ANSI ASC X12 - 850 Transaction Set Mapping

Introduction

This section displays the mapping requirements for the ANSI ASC X12, version 4010, 850 transaction set.

Boeing Commercial Airplanes Group is a member of the Aerospace Industry Association's (AIA) Electronic Commerce Working Group (ECWG). The AIA ECWG's purpose is to review the ANSI ASC X12 transaction sets used within the aerospace industry and harmonize them. To harmonize means to define common transaction set templates. This will enable all companies within the aerospace industry to use a common format amongst themselves. This applies to aerospace manufacturers as well as suppliers.

The upgrade from ANSI X12 version 2001 to 4010 caused many revisions to occur; driven from our efforts to comply with the AIA ECWG's harmonization committee. Revisions were made not only at the segment level but also at the element level, namely the use of element codes. The following matrix defines those revisions at the segment level only:

Header Section Level

Old Segment	New Segment	Data Type	Description of Change
REF	N9/MSG	Mask PO #	Reclassified to a different segment.
NTE	N9/MSG	Mask PO Note	Reclassified to a different segment.
PER09	None	Buyer Code and Buyer Mail-stop	Removed.
PER	N9/MSG	Supplier Contact	Reclassified to a different segment.
NTE	N9/MSG	Term Expiration Date	Reclassified to a different segment.
NTE	N9/MSG	Routing Type	Reclassified to a different segment.
NTE	N9/MSG	Routing Instructions	Reclassified to a different segment.
NTE	N9/MSG	PO Note Codes and Text	Reclassified to a different segment.
N1 loop	N1 only	Supplier Name & Address	Removed supplier address information (i.e. the N3 and N4 segments)

ANSI ASC X12 - 850 Transaction Set Mapping - cont'd

Detail Section level

Old Segment	New Segment	Data Type	Description of Change
(none)	CTP	No Charge pricing info	Added to CTP segment for clarity.
ITA	SAC	Special Charges	Reclassified to a different segment.
REF	N9/MSG	Supplier Banked Material: PO# and part number data	Reclassified to different segments.
REF	N9/MSG	Non-numeric prices (i.e. pricing codes)	Reclassified to different segments
REF	N9/MSG	Non-numeric schedule dates	Reclassified to different segments

The shaded areas titled **USER:** are for descriptive information for you, the user, regarding the reference segment or element, with the intent that it will better define the use or description of the data being sent.

EDI Transaction Set Table - 850 Purchase Order

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
020	BEG	Beginning Segment for Purchase Order	M	1		
060	PER	Administrative Communications Contact	O	3		
070	TAX	Tax Reference	O	>1		
080	FOB	F.O.B. Related Instructions	O	>1		
130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1		
130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1		
<u>LOOP ID - N9</u>					<u>1000</u>	
295	N9	Reference Identification	O	1		
300	MSG	Message Text	O	1000		
<u>LOOP ID - N9</u>					<u>1000</u>	
295	N9	Reference Identification	O	1		
300	MSG	Message Text	O	1000		
<u>LOOP ID - N9</u>					<u>1000</u>	
295	N9	Reference Identification	O	1		
<u>LOOP ID - N9</u>					<u>1000</u>	
295	N9	Reference Identification	O	1		
300	MSG	Message Text	O	1000		
300	MSG	Message Text	O	1000		
<u>LOOP ID - N9</u>					<u>1000</u>	
295	N9	Reference Identification	O	1		
300	MSG	Message Text	O	1000		
<u>LOOP ID - N9</u>					<u>1000</u>	
295	N9	Reference Identification	O	1		
300	MSG	Message Text	O	1000		
<u>LOOP ID - N1</u>					<u>200</u>	
310	N1	Name	O	1		
<u>LOOP ID - N1</u>					<u>200</u>	
310	N1	Name	O	1		

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
<u>LOOP ID - PO1</u>					<u>100000</u>	
010	PO1	Baseline Item Data	M	1		N2/010
<u>LOOP ID - CTP</u>					<u>>1</u>	
040	CTP	Pricing Information	O	1		
049	MEA	Measurements	O	10		
<u>LOOP ID - PID</u>					<u>1000</u>	
050	PID	Product/Item Description	O	1		
<u>LOOP ID - PID</u>					<u>1000</u>	
050	PID	Product/Item Description	O	1		
<u>LOOP ID - SAC</u>					<u>25</u>	
130	SAC	Service, Promotion, Allowance, or Charge Info	O	1		
190	SDQ	Destination Quantity	O	500		
190	SDQ	Destination Quantity	O	500		

EDI Transaction Set Table - 850 Purchase Order - continued

Detail - continued:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
<u>LOOP ID - SCH</u>						<u>200</u>
295	SCH	Line Item Schedule	O	1		N2/470
<u>LOOP ID - SCH</u>						<u>200</u>
295	SCH	Line Item Schedule	O	1		N2/480
<u>LOOP ID - N9</u>						<u>1000</u>
330	N9	Reference Identification	O	1		
340	MSG	Message Text	O	1000		
<u>LOOP ID - N9</u>						<u>1000</u>
330	N9	Reference Identification	O	1		
340	MSG	Message Text	O	1000		
<u>LOOP ID - N9</u>						<u>1000</u>
330	N9	Reference Identification	O	1		
340	MSG	Message Text	O	1000		
<u>LOOP ID - N9</u>						<u>1000</u>
330	N9	Reference Identification	O	1		
340	MSG	Message Text	O	1000		
<u>LOOP ID - N1</u>						<u>200</u>
350	N1	Name	O	1		
370	N3	Address Information	O	2		
380	N4	Geographic Location	O	1		
<u>LOOP ID - SLN</u>						<u>1000</u>
470	SLN	Subline Item Detail	O	1		

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
<u>LOOP ID - CTT</u>						<u>1</u>
010	CTT	Transaction Totals	O	1		N3/010

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Heading Section

BEG: Beginning Segment for Purchase Order

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 5

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
BEG01	353	Transaction Set Purpose Code	M	ID	2/2
		User: The 07-Duplicate code will occur when buyers generate a resend of a PO.			
		<u>Code</u> <u>Name</u>			
		00 Original			
		07 Duplicate			
BEG02	92	Purchase Order Type Code	M	ID	2/2
		<u>Code</u> <u>Name</u>			
		NE New Order			
BEG03	324	Purchase Order Number	M	AN	1/22
		User: Composite Purchase Order Number Format: AA-NNNNNN-XXXXX, A = Alpha characters (PO Prefix) N = Numeric characters (PO Number) X = Alpha-numeric characters (Material Class-Budget Code-Receiving Area Code)			
BEG05	373	Date	M	DT	8/8
		User: PO Setup Date in CCYYMMDD Format			
BEG06	367	Contract Number	O	AN	1/30
		User: Contract number will be equal to: "Commercial" OR "None" OR actual contract number (up to 18 characters)			

Heading Section - Continued

PER: Admin. Communications Contact

Pos: 060	Max: 3
Heading - Optional	
Loop: N/A	Elements: 6

User: Boeing Buyer Information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
PER01	366	Contact Function Code	M	ID	2/2
		<u>Code</u> <u>Name</u>			
		BD Buyer Name or Department			
PER02	93	Name	O	AN	1/60
		User: Buyer Name or Department			
PER03	365	Communication Number Qualifier	C	ID	2/2
		<u>Code</u> <u>Name</u>			
		TE Telephone			
PER04	364	Communication Number	C	AN	1/80
		User: Buyer or Department Telephone Number			
PER05	365	Communication Number Qualifier	C	ID	2/2
		<u>Code</u> <u>Name</u>			
		FX Facsimile			
PER06	364	Communication Number	C	AN	1/80
		User: Buyer's Facsimile Number			

Heading Section - Continued

TAX: Tax Reference

Pos: 070	Max: >1
Heading - Optional	
Loop: N/A	Elements: 4

User: To indicate applicable tax information.

- If TAX01 exists then TAX02 and TAX03 will be blank.
- If TAX01 is blank, then TAX02 and TAX03 will exist.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
TAX01	325	Tax Identification Number User: C-178-005-030 OR blank	C	AN	1/20
TAX02	309	Location Qualifier <u>Code</u> <u>Name</u> SP State/Province Or blank	C	ID	1/2
TAX03	310	Location Identifier User: "WA", OR FOB City, OR FOB State	C	AN	1/30
TAX12	441	Tax Exempt Code <u>Code</u> <u>Name</u> 2 No (Not Tax Exempt) 3 Exempt (For Resale)	O	ID	1/1

FOB: F.O.B. Related Instructions

Pos: 080	Max: >1
Heading - Optional	
Loop: N/A	Elements: 3

User: To indicate terms of delivery information.

If FOB point is not applicable, then this segment will not exist.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
FOB01	146	Shipment Method of Payment <u>Code</u> <u>Name</u> CC Collect DF Defined by Buyer and Seller PP Prepaid (by Seller)	M	ID	2/2
FOB02	309	Location Qualifier <u>Code</u> <u>Name</u> AC City and State DE Destination (Shipping) PL Plant ZZ Mutually Defined	C	ID	1/2
FOB03	352	Description User: City OR "Not Applicable", State and Zip Code, OR "Not Specified"	O	AN	1/80

Heading Section - Continued

ITD: Terms of Sale/Deferred Terms of Sale

Pos: 130	Max: >1
Heading - Optional	
Loop: N/A	Elements: 6

User: Payment Terms

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
ITD01	336	Terms Type Code	O	ID	2/2
		<u>Code</u> <u>Name</u>			
		05 Discount Not Applicable			
		08 Basic Discount Offered			
ITD02	333	Terms Basis Date Code	O	ID	1/2
		<u>Code</u> <u>Name</u>			
		5 Invoice Receipt Date			
ITD03	338	Terms Discount Percent	O	R	1/6
		User: Terms Discount Percentage OR blank			
ITD05	351	Terms Discount Days Due	C	N0	1/3
		User: Terms Discount Days Due OR blank			
ITD07	386	Terms Net Days	O	N0	1/3
		User: Terms Net Days OR blank			
ITD13	765	Day of Month	C	N0	1/2
		User: Discount Day or Month, OR Net Day of Month, OR blank			

Heading Section - Continued

ITD: Terms of Sale/Deferred Terms of Sale

Pos: 130	Max: >1
Heading - Optional	
Loop: N/A	Elements: 6

User: Payment Terms - when Discount Day of Month and Net Day of Month exist

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
ITD01	336	Terms Type Code	O	ID	2/2
		User: Discount Day of Month and Net Day of Month exist.			
		<u>Code</u> <u>Name</u>			
		06 Mixed			
ITD02	333	Terms Basis Date Code	O	ID	1/2
		<u>Code</u> <u>Name</u>			
		5 Invoice Receipt Date			
ITD03	338	Terms Discount Percent	O	R	1/6
		User: Terms Discount Percentage OR blank			
ITD05	351	Terms Discount Days Due	C	N0	1/3
		User: Terms Discount Days Due OR blank			
ITD07	386	Terms Net Days	O	N0	1/3
		User: Terms Net Days OR blank			
ITD13	765	Day of Month	C	N0	1/2
		User: Day of Month OR blank			

Heading Section - Continued

N9: Reference Identification

Pos: 295	Max: 1
Heading - Optional	
Loop: N9	Elements: 2

User: Mask Purchase Order Number. If a Mask PO number is associated with this purchase order, the data will appear in the next two N9/MSG segments.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
N901	128	Reference Identification Qualifier	M	ID	2/3
		<u>Code</u> <u>Name</u>			
		PO Purchase Order Number			
N903	369	Free-form Description	C	AN	1/45
		User: "Mask PO Number"			

MSG: Message Text

Pos: 300	Max: 1000
Heading - Optional	
Loop: N9	Elements: 1

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
MSG01	933	Free-Form Message Text	M	AN	1/264
		User: The seven character mask PO number			

N9: Reference Identification

Pos: 295	Max: 1
Heading - Optional	
Loop: N9	Elements: 2

User: Mask Purchase Order Note

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
N901	128	Reference Identification Qualifier	M	ID	2/3
		<u>Code</u> <u>Name</u>			
		L1 Letters or Notes			
N903	369	Free-form Description	C	AN	1/45
		User: "Mask PO Note"			

MSG: Message Text

Pos: 300	Max: 1000
Heading - Optional	
Loop: N9	Elements: 1

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
MSG01	933	Free-Form Message Text	M	AN	1/264
		User: "Note: See Mask PO Number NNNNNN for terms and conditions"			
		NNNNNN represents the six character mask PO number			

Heading Section - Continued

N9: Reference Identification

Pos: 295	Max: 1
Heading - Optional	
Loop: N9	Elements: 2

User: To Identify the Supplier Contact

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
N901	128	Reference Identification Qualifier	M	ID	2/3
		<u>Code</u> <u>Name</u>			
		ZA Supplier			
N903	369	Free-form Description	C	AN	1/45
		User: Attn: Supplier Contact Name			

N9: Reference Identification

Pos: 295	Max: 1
Heading - Optional	
Loop: N9	Elements: 2

User: To Define Term Expiration Date Information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
N901	128	Reference Identification Qualifier	M	ID	2/3
		<u>Code</u> <u>Name</u>			
		U2 Term			
N903	369	Free-form Description	C	AN	1/45
		User: "Term Expire Dt"			

MSG: Message Text

Pos: 300	Max: 1000
Heading - Optional	
Loop: N9	Elements: 1

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
MSG01	933	Free-Form Message Text	M	AN	1/264
		User: The Term Expiration Date in MM/DD/CCYY Format			

Heading Section - Continued

N9: Reference Identification

Pos: 295	Max: 1
Heading - Optional	
Loop: N9	Elements: 2

User: Routing Type and Description

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>				
N901	128	Reference Identification Qualifier	M	ID	2/3				
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>L1</td> <td>Letters or Notes</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	L1	Letters or Notes			
<u>Code</u>	<u>Name</u>								
L1	Letters or Notes								
N903	369	Free-form Description	C	AN	1/45				
		User: "Routing Type & Desc"							

MSG: Message Text

Pos: 300	Max: 1000
Heading - Optional	
Loop: N9	Elements: 1

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
MSG01	933	Free-Form Message Text	M	AN	1/264
		User: Routing Type: <ul style="list-style-type: none"> Premium routing, OR Standard routing, OR Buyer routing 			

MSG: Message Text

Pos: 300	Max: 1000
Heading - Optional	
Loop: N9	Elements: 1

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
MSG01	933	Free-Form Message Text	M	AN	1/264
		User: Routing Payment Descriptions: <ul style="list-style-type: none"> "Via carrier : carrier supplier name (and) carrier supplier code" OR "Supplier pays difference between premium and surface", OR "Supplier pays all freight costs", OR "Boeing pays per Boeing premium instructions", OR "Boeing pays difference between premium and surface", OR the instructions for standard routing 			

Heading Section - Continued

N9: Reference Identification

Pos: 295	Max: 1
Heading - Optional	
Loop: N9	Elements: 2

User: Routing Instructions for Premium Routing

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>				
N901	128	Reference Identification Qualifier	M	ID	2/3				
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>L1</td> <td>Letters or Notes</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	L1	Letters or Notes			
<u>Code</u>	<u>Name</u>								
L1	Letters or Notes								
N903	369	Free-form Description	C	AN	1/45				
		User: "Route Instr"							

MSG: Message Text

Pos: 300	Max: 1000
Heading - Optional	
Loop: N9	Elements: 1

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
MSG01	933	Free-Form Message Text	M	AN	1/264
		User: The applicable routing instructions for premium routing.			

Heading Section - Continued

N9: Reference Identification

Pos: 295	Max: 1
Heading - Optional	
Loop: N9	Elements: 2

User: To start the loop for Purchase Order Notes

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>				
N901	128	Reference Identification Qualifier	M	ID	2/3				
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>L1</td> <td>Letters or Notes</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	L1	Letters or Notes			
<u>Code</u>	<u>Name</u>								
L1	Letters or Notes								
N903	369	Free-form Description	C	AN	1/45				
		User: "PO Note Txt"							

MSG: Message Text

Pos: 300	Max: 1000
Heading - Optional	
Loop: N9	Elements: 1

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
MSG01	933	Free-Form Message Text	M	AN	1/264
		User: The free form text associated with the Purchase Order Note(s)			

Heading Section - Continued

N1: Name

Pos: 310	Max: 1
Heading - Optional	
Loop: N1	Elements: 3

User: To identify the Ship-To (Delivery Address) code.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
N101	98	Entity Identifier Code <u>Code</u> <u>Name</u> ST Ship To	M	ID	2/3
N103	66	Identification Code Qualifier <u>Code</u> <u>Name</u> 92 Assigned by Buyer or Buyer's Agent	C	ID	1/2
N104	67	Identification Code User: The two character Ship-To Code Please refer to the "TBL: PO Notes and Ship-To Text" Implementation Guide.	C	AN	2/80

Heading Section - Continued

N1: Name

Pos: 310	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

User: To identify Supplier information.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
N101	98	Entity Identifier Code <u>Code</u> <u>Name</u> SU Supplier/Manufacturer	M	ID	2/3
N102	93	Name User: Purchase Contract Supplier Name	C	AN	1/60
N103	66	Identification Code Qualifier <u>Code</u> <u>Name</u> 92 Assigned by Buyer or Buyer's Agent	C	ID	1/2
N104	67	Identification Code User: Purchase Contract Supplier Code	C	AN	2/80

Detail Section

PO1: Baseline Item Data

Pos: 010	Max: 1
Detail - Mandatory	
Loop: PO1	Elements: 11

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>						
PO101	350	Assigned Identification User: PO Item Number	O	AN	1/20						
PO102	330	Quantity Ordered User: Ordered Quantity	C	R	1/15						
PO103	355	Unit or Basis for Measurement Code User: Ordered Quantity Unit of Measure Please refer to Attachment A for Unit of Measure Codes List	O	ID	2/2						
PO104	212	Unit Price User: Item Unit Price (numeric), OR Unit price will be blank if a non-numeric pricing code exists (see segment CTP, Detail section Pos. 040 or N9/MSG, Detail section Pos. 330)	C	R	1/17						
PO105	639	Basis of Unit Price Code <table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>CT</td> <td>Contract</td> </tr> <tr> <td>NC</td> <td>No Charge</td> </tr> </table>	<u>Code</u>	<u>Name</u>	CT	Contract	NC	No Charge	O	ID	2/2
<u>Code</u>	<u>Name</u>										
CT	Contract										
NC	No Charge										
PO106	235	Product/Service ID Qualifier <table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>BP</td> <td>Buyer's Part Number</td> </tr> </table>	<u>Code</u>	<u>Name</u>	BP	Buyer's Part Number	C	ID	2/2		
<u>Code</u>	<u>Name</u>										
BP	Buyer's Part Number										
PO107	234	Product/Service ID User: Part Number	C	AN	1/48						
PO108	235	Product/Service ID Qualifier <table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>MF</td> <td>Manufacturer</td> </tr> </table>	<u>Code</u>	<u>Name</u>	MF	Manufacturer	C	ID	2/2		
<u>Code</u>	<u>Name</u>										
MF	Manufacturer										
PO109	234	Product/Service ID User: Manufacturing Supplier Code	C	AN	1/48						
PO110	235	Product/Service ID Qualifier User: Material Class and Code <table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>PQ</td> <td>Product ID Attribute Code</td> </tr> </table>	<u>Code</u>	<u>Name</u>	PQ	Product ID Attribute Code	C	ID	2/2		
<u>Code</u>	<u>Name</u>										
PQ	Product ID Attribute Code										
PO111	234	Product/Service ID User: Material Class (2-digit) or Material Class and Code (10-digit)	C	AN	1/48						

Detail Section - Continued

CTP: Pricing Information

Pos: 040	Max: 1
Detail - Optional	
Loop: CTP	Elements: 4

User: Pricing information not found in PO1 segment will be displayed here, specifically when:

- 1) pricing codes exist (see CTP02), OR
- 2) multiple prices exist for one line item, OR
- 3) multiple units of measure exist for one line item

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>										
CTP02	236	Price Identifier Code	C	ID	3/3										
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>CON</td> <td>Contract Price</td> </tr> <tr> <td>INV</td> <td>Invoice Billing Price</td> </tr> <tr> <td>MAX</td> <td>Maximum Order Quantity Price</td> </tr> <tr> <td>N31</td> <td>No Charge</td> </tr> </table>	<u>Code</u>	<u>Name</u>	CON	Contract Price	INV	Invoice Billing Price	MAX	Maximum Order Quantity Price	N31	No Charge			
<u>Code</u>	<u>Name</u>														
CON	Contract Price														
INV	Invoice Billing Price														
MAX	Maximum Order Quantity Price														
N31	No Charge														
CTP03	212	Unit Price	C	R	1/17										
		User: Item Unit Price													
CTP04	380	Quantity	C	R	1/15										
		User: Item Quantity													
CTP05	C001	Composite Unit of Measure	C	Comp											
	355	Unit or Basis for Measurement Code	M	ID	2/2										
		User: Pricing Quantity Unit of Measure													
		Please refer to Attachment A for Unit of Measure Codes List													

Detail Section - Continued

MEA: Measurements

Pos: 049	Max: 10
Detail - Optional	
Loop: PO1	Elements: 5

User: Shipping Tolerance Information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>						
MEA01	737	Measurement Reference ID Code	O	ID	2/2						
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>SH</td> <td>Shipping Tolerance</td> </tr> </table>	<u>Code</u>	<u>Name</u>	SH	Shipping Tolerance					
<u>Code</u>	<u>Name</u>										
SH	Shipping Tolerance										
MEA02	738	Measurement Qualifier	O	ID	1/3						
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>PO</td> <td>Percent of Order (-,+)</td> </tr> <tr> <td>XP</td> <td>Specified</td> </tr> </table>	<u>Code</u>	<u>Name</u>	PO	Percent of Order (-,+)	XP	Specified			
<u>Code</u>	<u>Name</u>										
PO	Percent of Order (-,+)										
XP	Specified										
MEA04	C001	Composite Unit of Measure	C	Comp							
	355	Unit or Basis for Measurement Code	M	ID	2/2						
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>P1</td> <td>Percent</td> </tr> <tr> <td>PC</td> <td>Piece</td> </tr> </table>	<u>Code</u>	<u>Name</u>	P1	Percent	PC	Piece			
<u>Code</u>	<u>Name</u>										
P1	Percent										
PC	Piece										
MEA05	740	Range Minimum	C	R	1/20						
		User: Tolerance Under									
MEA06	741	Range Maximum	C	R	1/20						
		User: Tolerance Over									

Detail Section - Continued

PID: Product/Item Description

Pos: 050	Max: 1
Detail - Optional	
Loop: PID	Elements: 2

User: Line Item Description

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>				
PID01	349	Item Description Type	M	ID	1/1				
		<table border="1"> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> <tr> <td>F</td> <td>Free-form</td> </tr> </table>	<u>Code</u>	<u>Name</u>	F	Free-form			
<u>Code</u>	<u>Name</u>								
F	Free-form								
PID05	352	Description	C	AN	1/80				
		User: Line Item Description (first 80 characters)							

PID: Product/Item Description

Pos: 050	Max: 1
Detail - Optional	
Loop: PID	Elements: 2

User: Line Item - Additional Description

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>				
PID01	349	Item Description Type	M	ID	1/1				
		<table border="1"> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> <tr> <td>F</td> <td>Free-form</td> </tr> </table>	<u>Code</u>	<u>Name</u>	F	Free-form			
<u>Code</u>	<u>Name</u>								
F	Free-form								
PID05	352	Description	C	AN	1/80				
		User: Additional description for the line item.							

Detail Section - Continued

SAC: Service, Promotion, Allowance, or Charge Information

Pos: 130	Max: 1
Detail - Optional	
Loop: SAC	Elements: 7

User: Special Charge Information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>				
SAC01	248	Allowance or Charge Indicator	M	ID	1/1				
		<table border="1"> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> <tr> <td>C</td> <td>Charge</td> </tr> </table>	<u>Code</u>	<u>Name</u>	C	Charge			
<u>Code</u>	<u>Name</u>								
C	Charge								
SAC02	1300	Service, Promotion, Allowance, or Charge Code	C	ID	4/4				
		User: Special Charge Code Please refer to Attachment B for Special Charge Codes							
SAC08	118	Rate	O	R	1/9				
		User: Special Charge Unit Price							
SAC09	355	Unit or Basis for Measurement Code	C	ID	2/2				
		User: Special Charge Unit of Measure Please refer to Attachment A for Unit of Measure Codes List							
SAC10	380	Quantity	C	R	1/15				
		User: Special Charge Quantity							
SAC12	331	Allowance or Charge Method of Handling Code	O	ID	2/2				
		<table border="1"> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> <tr> <td>06</td> <td>Charge to be Paid by Customer</td> </tr> </table>	<u>Code</u>	<u>Name</u>	06	Charge to be Paid by Customer			
<u>Code</u>	<u>Name</u>								
06	Charge to be Paid by Customer								
SAC15	352	Description	C	AN	1/80				
		User: Special Charge Description							

Detail Section - Continued

For a given line item, only one SDQ segment (either "End-Item" or "Ship-to") can exist, there can not be the existence of an SDQ-End item and SDQ-ship-to occurrence for the same line item.

SDQ: Destination Quantity

Pos: 190	Max: 500
Detail - Optional	
Loop: PO1	Elements: 4

User: Supplier Banked Material Information - End Item

- Also see first two N9/MSG segments in Detail section, for additional SBM-End Item Information.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
SDQ01	355	Unit or Basis for Measurement Code	M	ID	2/2
		<u>Code</u> <u>Name</u>			
		ZZ Mutually Defined			
		User: This code used for syntax purposes only. Unit of measure is not used for SBM End Item information.			
SDQ02	66	Identification Code Qualifier	O	ID	1/2
		<u>Code</u> <u>Name</u>			
		54 Warehouse			
SDQ03	67	Identification Code	M	AN	2/80
		User: Purchase Contract Supplier Code			
SDQ04	380	Quantity	M	R	1/15
		User: SBM Quantity			

SDQ: Destination Quantity

Pos: 190	Max: 500
Detail - Optional	
Loop: PO1	Elements: 4

User: Supplier Banked Material Information - Ship-To

- There can be MULTIPLE occurrences of this SDQ segment for a given PO1 loop.
- Also see N1 loop, position 350, in Detail section for additional SBM Ship-To information.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
SDQ01	355	Unit or Basis for Measurement Code	M	ID	2/2
		<u>Code</u> <u>Name</u>			
		ZZ Mutually Defined			
		User: This code used for syntax purposes only. Unit of measure is not used for SBM Ship-To information.			
SDQ02	66	Identification Code Qualifier	O	ID	1/2
		User: SBM Destination			
		<u>Code</u> <u>Name</u>			
		92 Assigned by Buyer or Buyer's Agent			
		User: Direct Ship Destination			
SDQ03	67	Identification Code	M	AN	2/80
		User: SBM Destination Supplier Name			
SDQ04	380	Quantity	M	R	1/15
		User: SBM Quantity			

Detail Section - Continued

SCH: Line Item Schedule

Pos: 295	Max: 1
Detail - Optional	
Loop: SCH	Elements: 4

User: Committed Schedule Information – this segment is optional on a purchase order.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
SCH01	380	Quantity User: Committed Schedule Quantity	M	R	1/15
SCH02	355	Unit or Basis for Measurement Code User: Ordered Quantity - Unit of Measure Please refer to Attachment A for Unit of Measure Codes List	M	ID	2/2
SCH04	93	Name User: "Committed"	C	AN	60
SCH05	374	Date/Time Qualifier <u>Code</u> <u>Name</u> 038 Ship No Later	M	ID	3/3
SCH06	373	Date User: Will Ship Date in CCYYMMDD Format	M	DT	8/8

SCH: Line Item Schedule

Pos: 295	Max: 1
Detail - Optional	
Loop: SCH	Elements: 4

User: Required Schedule Information - this segment will always be present.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
SCH01	380	Quantity User: Required Schedule Quantity	M	R	1/15
SCH02	355	Unit or Basis for Measurement Code User: Ordered Quantity - Unit of Measure Please refer to Attachment A for Unit of Measure Codes List	M	ID	2/2
SCH04	93	Name User: "Required"	C	AN	60
SCH05	374	Date/Time Qualifier <u>Code</u> <u>Name</u> 038 Ship No Later	M	ID	3/3
SCH06	373	Date User: Will Ship Date in CCYYMMDD Format	M	DT	8/8

Detail Section - Continued

N9: Reference Identification

Pos: 330	Max: 1
Detail - Optional	
Loop: N9	Elements: 2

User: Supplier Banked Material (SBM) - End Item Information

- This also ties to SDQ segment (Detail Section, pos. 190)

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
N901	128	Reference Identification Qualifier	M	ID	2/3
		<u>Code</u> <u>Name</u>			
		PO Purchase Order Number			
N903	369	Free-form Description	C	AN	1/45
User: "SBM PO"					

MSG: Message Text

Pos: 340	Max: 1000
Detail - Optional	
Loop: N9	Elements: 1

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
MSG01	933	Free-Form Message Text	M	AN	1/264
User: SBM End Item PO number					

N9: Reference Identification

Pos: 330	Max: 1
Detail - Optional	
Loop: N9	Elements: 2

User: Supplier Banked Material (SBM) - End Item Information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
N901	128	Reference Identification Qualifier	M	ID	2/3
		<u>Code</u> <u>Name</u>			
		PM Part Number			
N903	369	Free-form Description	C	AN	1/45
User: "SBM PN"					

MSG: Message Text

Pos: 340	Max: 1000
Detail - Optional	
Loop: N9	Elements: 1

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
MSG01	933	Free-Form Message Text	M	AN	1/264
User: SBM End-Item Part Number					

Detail Section - Continued

N9: Reference Identification

Pos: 330	Max: 1
Detail - Optional	
Loop: N9	Elements: 2

User: Pricing Code Information (when unit price is not numeric)

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>				
N901	128	Reference Identification Qualifier	M	ID	2/3				
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>SR</td> <td>Sales Responsibility</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	SR	Sales Responsibility			
<u>Code</u>	<u>Name</u>								
SR	Sales Responsibility								
N903	369	Free-form Description	C	AN	1/45				
User: "Price Code"									

MSG: Message Text

Pos: 340	Max: 1000
Detail - Optional	
Loop: N9	Elements: 1

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
MSG01	933	Free-Form Message Text	M	AN	1/264
User: Unique Pricing Codes / Conditions: <ul style="list-style-type: none"> TBD = Price To Be Determined TBN = Price To Be Negotiated SNB = See Note Below (Note Code D23) 					

Detail Section - Continued

N9: Reference Identification

Pos: 330	Max: 1
Detail - Optional	
Loop: N9	Elements: 2

User: Schedule Reference Information (when schedule dates are not numeric, in SCH segment pos # 295)

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>				
N901	128	Reference Identification Qualifier	M	ID	2/3				
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>ZZ</td> <td>Mutually Defined</td> </tr> </table>	<u>Code</u>	<u>Name</u>	ZZ	Mutually Defined			
<u>Code</u>	<u>Name</u>								
ZZ	Mutually Defined								
N903	369	Free-form Description	C	AN	1/45				
		User: "Sch Ref Cd"							

MSG: Message Text

Pos: 340	Max: 1000
Detail - Optional	
Loop: N9	Elements: 1

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
MSG01	933	Free-Form Message Text	M	AN	1/264
		<p>User: Pricing Conditions:</p> <ul style="list-style-type: none"> • See Note Below, OR • TBD (To Be Determined), OR • Per Matrix - See Note Below, OR • Per Firing Order - See Note Code B53, OR • Not Applicable • KMB – Kan Ban 			

Detail Section - Continued

N1: Name

Pos: 350	Max: 1
Detail - Optional	
Loop: N1	Elements: 2

User: Supplier Banked Material (SBM) - Ship-To Information
 This ties to the second SDQ segment (Detail section, position 190)

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
N101	98	Entity Identifier Code	M	ID	2/3
		<u>Code</u> <u>Name</u>			
		ST Ship To			
N102	93	Name	C	AN	1/60
		User: SBM (Supplier Banked Material) Ship-To Supplier Name			

N3: Address Information

Pos: 370	Max: 2
Detail - Optional	
Loop: N1	Elements: 2

User: SBM (Ship-To) Supplier Street Address

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
N301	166	Address Information	M	AN	1/55
		User: SBM Ship-To Address Line			
N302	166	Address Information	O	AN	1/55
		User: SBM Ship-To Address Line			

N4: Geographic Location

Pos: 380	Max: 1
Detail - Optional	
Loop: N1	Elements: 4

User: SBM (Ship-To) Supplier City, State, Zip and Nation

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
N401	19	City Name	O	AN	2/30
		User: SBM Ship-To City			
N402	156	State or Province Code	O	ID	2/2
		User: SBM Ship-To State			
N403	116	Postal Code	O	ID	3/15
		User: SBM Ship-To Zip Code			
N404	26	Country Code	O	ID	2/3
		User: SBM Ship-To Country			

Detail Section - Continued

SLN: Subline Item Detail

Pos: 470	Max: 1
Detail - Optional	
Loop: SLN	Elements: 10

User: Line Item Work Order Information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
SLN01	350	Assigned Identification User: Identifying Number for the Subline Item.	M	AN	1/20
SLN03	662	Relationship Code <u>Code</u> <u>Name</u> A Add	M	ID	1/1
SLN04	380	Quantity User: Work Order Quantity	C	R	1/15
SLN05	C001	Composite Unit of Measure	C	Comp	
	355	Unit or Basis for Measurement Code User: Work Order Quantity Unit of Measure Please refer to Attachment A for Unit of Measure Codes List	M	ID	2/2
SLN09	235	Product/Service ID Qualifier <u>Code</u> <u>Name</u> ZZ Mutually Defined	C	ID	2/2
SLN10	234	Product/Service ID User: Work Order Number	C	AN	1/48
SLN11	235	Product/Service ID Qualifier <u>Code</u> <u>Name</u> F4 Series Identifier	C	ID	2/2
SLN12	234	Product/Service ID User: Work Order Sub Number OR blank	C	AN	1/48
SLN13	235	Product/Service ID Qualifier <u>Code</u> <u>Name</u> SN Serial Number	C	ID	2/2
SLN14	234	Product/Service ID User: Work Order Serial Number OR blank	C	AN	1/48

Summary Section

CTT: Transaction Totals

Pos: 010 Max: 1
Summary - Optional
Loop: CTT Elements: 2

Element Summary:

Table with columns: Ref, Id, Element Name, Req, Type, Min/Max. Rows include CTT01 (Number of Line Items) and CTT02 (Hash Total).

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ANSI ASC X12 - 855 Transaction Set Mapping

Introduction

This section displays the mapping requirements for the ANSI ASC X12, version 4010, 855 transaction set.

Boeing Commercial Airplanes Group is a member of the Aerospace Industry Association's (AIA) Electronic Commerce Working Group (ECWG). The AIA ECWG's purpose is to review the ANSI ASC X12 transaction sets used within the aerospace industry and harmonize them. To harmonize means to define common transaction set templates. This will enable all companies within the aerospace industry to use a common format amongst themselves. This applies to aerospace manufacturers as well as suppliers.

The upgrade from ANSI X12 version 2001 to 4010 caused many revisions to occur; driven from our efforts to comply with the AIA ECWG's harmonization committee. Revisions were made not only at the segment level but also at the element level, namely the use of element codes. The following matrix defines those revisions at the segment, element and code level. Many code values that were acceptable in X12 version 2001 will no longer be accepted by Boeing.

EDI Transaction Set Table - 855 PO Acknowledgment

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
020	BAK	Beginning Segment for Purchase Order Acknowledgment	M	1		

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
LOOP ID - PO1					100000	
010	PO1	Baseline Item Data	O	1		N2/010
040	CTP	Pricing Information	O	>1		
LOOP ID - ACK					104	
270	ACK	Line Item Acknowledgment	O	1		
LOOP ID - SCH					200	
310	SCH	Line Item Schedule	O	1		N2/310

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
LOOP ID - CTT					1	
010	CTT	Transaction Totals	O	1		N3/010

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Heading Section

BAK: Beginning Segment for PO Acknowledgment

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 5

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>										
BAK01	353	Transaction Set Purpose Code	M	ID	2/2										
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>00</td> <td>Original</td> </tr> <tr> <td>07</td> <td>Duplicate</td> </tr> </table>	<u>Code</u>	<u>Name</u>	00	Original	07	Duplicate							
<u>Code</u>	<u>Name</u>														
00	Original														
07	Duplicate														
BAK02	587	Acknowledgment Type	M	ID	2/2										
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>AC</td> <td>Acknowledge - With Detail and Change</td> </tr> <tr> <td>AT</td> <td>Accepted</td> </tr> <tr> <td>RJ</td> <td>Rejected - No Detail</td> </tr> <tr> <td>AH</td> <td>On Hold</td> </tr> </table>	<u>Code</u>	<u>Name</u>	AC	Acknowledge - With Detail and Change	AT	Accepted	RJ	Rejected - No Detail	AH	On Hold			
<u>Code</u>	<u>Name</u>														
AC	Acknowledge - With Detail and Change														
AT	Accepted														
RJ	Rejected - No Detail														
AH	On Hold														
BAK03	324	Purchase Order Number	M	AN	1/22										
		User: Purchase Order Number													
BAK04	373	Date	M	DT	8/8										
		User: Purchase Order Date in CCYYMMDD format													
BAK09	373	Date	O	DT	8/8										
		User: PO Acknowledgement Date in CCYYMMDD format													

Detail Section

PO1: Baseline Item Data

Pos: 010	Max: 1
Detail - Optional	
Loop: PO1	Elements: 7

User: This segment may be included if the Acknowledgment Type (BAK02) is AC.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
PO101	350	Assigned Identification User: PO item number	M	AN	1/20
PO102	330	Quantity Ordered User: Ordered Quantity	M	R	1/15
PO103	355	Unit or Basis for Measurement Code User: Order Quantity Unit of Measure Please refer to Attachment A for Unit of Measure Codes List	M	ID	2/2
PO104	212	Unit Price User: Item Unit Price	M	R	1/17
PO106	235	Product/Service ID Qualifier <u>Code</u> <u>Name</u> BP Buyer's Part Number	M	ID	2/2
PO107	234	Product/Service ID User: Part Number	M	AN	1/48

Detail Section - Continued

CTP: Pricing Information

Pos: 040	Max: >1
Detail - Optional	
Loop: PO1	Elements: 4

User:

- CTP should only be used when the Acknowledgment Type (BAK02) is "AC" and must be used to convey any price changes.
- The CTP segment is used in conjunction with an ACK01 segment "Line Item Status Code" (IP) for Price Change.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
CTP02	236	Price Identifier Code	C	ID	3/3
		<u>Code</u> <u>Name</u>			
		CON Contract Price			
		INV Invoice Billing Price			
		MAX Maximum Order Quantity Price			
CTP03	212	Unit Price	C	R	1/17
		User: Item Unit Price			
CTP04	380	Quantity	C	R	1/15
		User: Item Quantity			
CTP05	C001 355	Composite Unit of Measure	C	Comp	2/2
		Unit or Basis for Measurement Code			
		User: Ordered Quantity Unit of Measure			
		Please refer to Attachment A for Unit of Measure Codes List			

Detail Section - Continued

ACK: Line Item Acknowledgment

Pos: 270	Max: 1
Detail - Optional	
Loop: ACK	Elements: 5

User:

ACK segment should only be used when the Acknowledgment Type (BAK02) is assigned a value of 'AC' and it should only be used for the following reasons.

- * Date Reschedule
- * Price Changed
- * Quantity Changed
- * Item Rejection

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>												
ACK01	668	Line Item Status Code	M	ID	2/2												
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>DR</td> <td>Item Accepted - Date Rescheduled</td> </tr> <tr> <td>IA</td> <td>Item Accepted</td> </tr> <tr> <td>IP</td> <td>Item Accepted - Price Changed</td> </tr> <tr> <td>IQ</td> <td>Item Accepted - Quantity Changed</td> </tr> <tr> <td>IR</td> <td>Item Rejected</td> </tr> </table>	<u>Code</u>	<u>Name</u>	DR	Item Accepted - Date Rescheduled	IA	Item Accepted	IP	Item Accepted - Price Changed	IQ	Item Accepted - Quantity Changed	IR	Item Rejected			
<u>Code</u>	<u>Name</u>																
DR	Item Accepted - Date Rescheduled																
IA	Item Accepted																
IP	Item Accepted - Price Changed																
IQ	Item Accepted - Quantity Changed																
IR	Item Rejected																
ACK02	380	Quantity	C	R	1/15												
		User: Ordered Quantity															
ACK03	355	Unit or Basis for Measurement Code	C	ID	2/2												
		User: Ordered Quantity Unit of Measure															
		Please refer to Attachment A for Unit of Measure Codes List															
ACK04	374	Date/Time Qualifier	O	ID	3/3												
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>038</td> <td>Ship No Later</td> </tr> <tr> <td>083</td> <td>Scheduled for Shipment (Prior to and Including)</td> </tr> </table>	<u>Code</u>	<u>Name</u>	038	Ship No Later	083	Scheduled for Shipment (Prior to and Including)									
<u>Code</u>	<u>Name</u>																
038	Ship No Later																
083	Scheduled for Shipment (Prior to and Including)																
ACK05	373	Date	C	DT	8/8												
		User: Date expressed in CCYYMMDD format															

Detail Section - Continued

SCH: Line Item Schedule

Pos: 310	Max: 1
Detail - Optional	
Loop: SCH	Elements: 4

User: SCH is used to display original Schedule Dates which are located on the original Purchase Order (850).

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
SCH01	380	Quantity User: Schedule Quantity	M	R	1/15
SCH02	355	Unit or Basis for Measurement Code User: Line Item Unit of Measure Please refer to Attachment A for Unit of Measure Codes List	M	ID	2/2
SCH05	374	Date/Time Qualifier <u>Code</u> <u>Name</u> 038 Ship No Later	M	ID	3/3
SCH06	373	Date User: Date expressed in CCYYMMDD format	M	DT	8/8

Summary Section

CTT: Transaction Totals

Pos: 010	Max: 1
Summary - Optional	
Loop: CTT	Elements: 2

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
CTT01	354	Number of Line Items	M	N0	1/6
CTT02	347	Hash Total	O	R	1/10

ANSI ASC X12 - 860 Transaction Set Mapping

EDI Transaction Set Table - 860 Purchase Order

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
020	BCH	Beginning Segment for Purchase Order Change	M	1		
060	PER	Administrative Communications Contact	O	3		
070	TAX	Tax Reference	O	>1		
080	FOB	F.O.B. Related Instructions	O	>1		
130	ITD	Terms of Sale/Deferred Terms of Sale	O	5		
130	ITD	Terms of Sale/Deferred Terms of Sale	O	5		
<u>LOOP ID - N9</u>					<u>1000</u>	
285	N9	Reference Identification	O	1		
290	MSG	Message Text	O	1000		
<u>LOOP ID - N9</u>					<u>1000</u>	
285	N9	Reference Identification	O	1		
290	MSG	Message Text	O	1000		
<u>LOOP ID - N9</u>					<u>1000</u>	
285	N9	Reference Identification	O	1		
290	MSG	Message Text	O	1000		
<u>LOOP ID - N9</u>					<u>1000</u>	
285	N9	Reference Identification	O	1		
290	MSG	Message Text	O	1000		
<u>LOOP ID - N9</u>					<u>1000</u>	
285	N9	Reference Identification	O	1		
290	MSG	Message Text	O	1000		
<u>LOOP ID - N9</u>					<u>1000</u>	
285	N9	Reference Identification	O	1		
290	MSG	Message Text	O	1000		
<u>LOOP ID - N9</u>					<u>1000</u>	
285	N9	Reference Identification	O	1		
290	MSG	Message Text	O	1000		
<u>LOOP ID - N9</u>					<u>1000</u>	
285	N9	Reference Identification	O	1		
290	MSG	Message Text	O	1000		
<u>LOOP ID - N9</u>					<u>1000</u>	
285	N9	Reference Identification	O	1		
290	MSG	Message Text	O	1000		
<u>LOOP ID - N9</u>					<u>1000</u>	
285	N9	Reference Identification	O	1		
290	MSG	Message Text	O	1000		
<u>LOOP ID - N1</u>					<u>200</u>	
300	N1	Name	O	1		
<u>LOOP ID - N1</u>					<u>200</u>	
300	N1	Name	O	1		

EDI Transaction Set Table - 860 Purchase Order - continued

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
LOOP ID - POC						<u>≥1</u>
010	POC	Line Item Change	O	1		
040	CTP	Pricing Information	O	>1		
049	MEA	Measurements	O	10		
LOOP ID - PID						<u>1000</u>
050	PID	Product/Item Description	O	1		
LOOP ID - PID						<u>1000</u>
050	PID	Product/Item Description	O	1		
LOOP ID - SAC						<u>25</u>
130	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
LOOP ID - SAC						<u>25</u>
130	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
190	SDQ	Destination Quantity	O	500		
190	SDQ	Destination Quantity	O	500		
LOOP ID - SCH						<u>200</u>
295	SCH	Line Item Schedule	O	1		
LOOP ID - SCH						<u>200</u>
295	SCH	Line Item Schedule	O	1		
LOOP ID - N9						<u>1000</u>
320	N9	Reference Identification	O	1		
330	MSG	Message Text	O	1000		
LOOP ID - N9						<u>1000</u>
320	N9	Reference Identification	O	1		
330	MSG	Message Text	O	1000		
LOOP ID - N9						<u>1000</u>
320	N9	Reference Identification	O	1		
330	MSG	Message Text	O	1000		
LOOP ID - N9						<u>1000</u>
320	N9	Reference Identification	O	1		
330	MSG	Message Text	O	1000		
LOOP ID - N1						<u>200</u>
340	N1	Name	O	1		
360	N3	Address Information	O	2		
370	N4	Geographic Location	O	1		
LOOP ID - SLN						<u>1000</u>
460	SLN	Subline Item Detail	O	1		

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
LOOP ID - CTT						<u>1</u>
010	CTT	Transaction Totals	O	1		N3/010

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Heading Section

BCH: Beginning Segment for PO Change

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 7

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>						
BCH01	353	Transaction Set Purpose Code User: Duplicates will occur when buyers generate a resend of a POC.	M	ID	2/2						
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>04</td> <td>Change</td> </tr> <tr> <td>07</td> <td>Duplicate</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	04	Change	07	Duplicate			
<u>Code</u>	<u>Name</u>										
04	Change										
07	Duplicate										
BCH02	92	Purchase Order Type Code Code Name CP Change to Purchase Order	M	ID	2/2						
BCH03	324	Purchase Order Number User: Composite Purchase Order Number Format: AA-NNNNNN-XXXXX, A = Alpha characters (PO Prefix) N = Numeric characters (PO Number) X = Alpha-numeric characters (Material Class-Byr Id-Receiving Area Code)	M	AN	1/22						
BCH05	327	Change Order Sequence Number User: Purchase Order Change - Revision Number	O	AN	1/8						
BCH06	373	Date User: PO Setup Date in CCYYMMDD Format	M	DT	8/8						
BCH08	367	Contract Number User: Contract Number will be equal to: "Commercial" OR "None" OR actual contract number (up to 18 characters)	O	AN	1/30						
BCH11	373	Date User: Date of PO Change in CCYYMMDD format	O	DT	8/8						

Heading Section - Continued

PER: Admin. Communications Contact

Pos: 060	Max: 3
Heading - Optional	
Loop: N/A	Elements: 6

User: Boeing Buyer Information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
PER01	366	Contact Function Code <u>Code</u> <u>Name</u> BD Buyer Name or Department	M	ID	2/2
PER02	93	Name User: Buyer Name or Department	O	AN	1/60
PER03	365	Communication Number Qualifier <u>Code</u> <u>Name</u> TE Telephone	C	ID	2/2
PER04	364	Communication Number User: Buyer or Department Phone Number	C	AN	1/80
PER05	365	Communication Number Qualifier <u>Code</u> <u>Name</u> FX Facsimile	C	ID	2/2
PER06	364	Communication Number User: Buyer's Facsimile Number	C	AN	1/80

Heading Section - Continued

TAX: Tax Reference

Pos: 070	Max: >1
Heading - Optional	
Loop: N/A	Elements: 4

User: To indicate applicable tax information
 If TAX01 exists then TAX02 and TAX03 will be blank.
 If TAX01 is blank, then TAX02 and TAX03 will exist.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
TAX01	325	Tax Identification Number	C	AN	1/20
		User: C-178-005-030 or blank			
TAX02	309	Location Qualifier	C	ID	1/2
		<u>Code</u> <u>Name</u> SP State/Province			
TAX03	310	Location Identifier	C	AN	1/30
		User: "WA", or FOB City, or FOB State			
TAX12	441	Tax Exempt Code	O	ID	1/1
		<u>Code</u> <u>Name</u> 2 No (Not Tax Exempt) 3 Exempt (For Resale)			

FOB: F.O.B. Related Instructions

Pos: 080	Max: >1
Heading - Optional	
Loop: N/A	Elements: 3

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
FOB01	146	Shipment Method of Payment	M	ID	2/2
		<u>Code</u> <u>Name</u> CC Collect DF Defined by Buyer and Seller PP Prepaid (by Seller)			
FOB02	309	Location Qualifier	C	ID	1/2
		<u>Code</u> <u>Name</u> AC City and State DE Destination (Shipping) PL Plant ZZ Mutually Defined			
FOB03	352	Description	O	AN	1/80
		User: City OR "Not Applicable", state and zip code, OR "Not Specified"			

Heading Section - Continued

ITD: Terms of Sale/Deferred Terms of Sale

Pos: 130	Max: 5
Heading - Optional	
Loop: N/A	Elements: 6

User: Payment Terms

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
ITD01	336	Terms Type Code	O	ID	2/2
		<u>Code</u> <u>Name</u>			
		05 Discount Not Applicable			
		08 Basic Discount Offered			
ITD02	333	Terms Basis Date Code	O	ID	1/2
		<u>Code</u> <u>Name</u>			
		5 Invoice Receipt Date			
ITD03	338	Terms Discount Percent	O	R	1/6
		User: Terms Discount Percentage OR blank			
ITD05	351	Terms Discount Days Due	C	N0	1/3
		User: Terms Discount Days Due OR blank			
ITD07	386	Terms Net Days	O	N0	1/3
		User: Terms net days OR blank			
ITD13	765	Day of Month	C	N0	1/2
		User: Discount Day of Month, OR Net Day of Month, OR blank			

Heading Section - Continued

ITD: Terms of Sale/Deferred Terms of Sale

Pos: 130	Max: 5
Heading - Optional	
Loop: N/A	Elements: 6

User: Payment Terms - When Discount Day of Month and Net Day of Month exist

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
ITD01	336	Terms Type Code	O	ID	2/2
		User: Discount Day of Month and Net Day of Month exist.			
		<u>Code</u> <u>Name</u>			
		06 Mixed			
ITD02	333	Terms Basis Date Code	O	ID	1/2
		<u>Code</u> <u>Name</u>			
		5 Invoice Receipt Date			
ITD03	338	Terms Discount Percent	O	R	1/6
		User: Terms Discount Percentage OR blank			
ITD05	351	Terms Discount Days Due	C	N0	1/3
		User: Terms Discount Days Due OR blank			
ITD07	386	Terms Net Days	O	N0	1/3
		User: Terms Net Days OR blank			
ITD13	765	Day of Month	C	N0	1/2
		User: Day of Month OR blank			

Heading Section - Continued

N9: Reference Identification

Pos: 285	Max: 1
Heading - Optional	
Loop: N9	Elements: 2

User: To identify internal codes regarding changes to the purchase order.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>				
N901	128	Reference Identification Qualifier	M	ID	2/3				
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>T8</td> <td>Description of Change Code</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	T8	Description of Change Code			
<u>Code</u>	<u>Name</u>								
T8	Description of Change Code								
N903	369	Free-form Description	C	AN	1/45				
		User: "Change Affects Codes"							

MSG: Message Text

Pos: 290	Max: 1000
Heading - Optional	
Loop: N9	Elements: 1

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
MSG01	933	Free-Form Message Text	M	AN	1/264
		<p>User: Change Affects Codes:</p> <ul style="list-style-type: none"> A = Part Number changes B = Quantity/UOM changes C = Work Order changes D = PO Prefix, Receiving Area Code Changes E = Schedule changes F = Item description and/or Special Charge Code changes G = Pricing changes H = Contract Number changes J = Routing changes K = Added Item changes L = Supplier Code changes M = Miscellaneous changes (for example: FOB info, Shipping tolerance info, Term Expiration Date changes) N = PO Note changes (additions or deletions of PO note code, or revision to PO note narrative) O = Tax Code changes P = Payment Terms changes 			

Heading Section - Continued

N9: Reference Identification

Pos: 285	Max: 1
Heading - Optional	
Loop: N9	Elements: 2

User: Mask Purchase Order Number

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
N901	128	Reference Identification Qualifier	M	ID	2/3
		<u>Code</u> <u>Name</u>			
		PO Purchase Order Number			
N903	369	Free-form Description	C	AN	1/45
		User: "Mask P O Number"			

MSG: Message Text

Pos: 290	Max: 1000
Heading - Optional	
Loop: N9	Elements: 1

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
MSG01	933	Free-Form Message Text	M	AN	1/264
		User: The seven character Mask PO number			

N9: Reference Identification

Pos: 285	Max: 1
Heading - Optional	
Loop: N9	Elements: 2

User: Mask Purchase Order Note

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
N901	128	Reference Identification Qualifier	M	ID	2/3
		<u>Code</u> <u>Name</u>			
		LI Letters or Notes			
N903	369	Free-form Description	C	AN	1/45
		User: "Mask PO Note"			

MSG: Message Text

Pos: 290	Max: 1000
Heading - Optional	
Loop: N9	Elements: 1

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
MSG01	933	Free-Form Message Text	M	AN	1/264
		User: "Note: See Mask PO Number NNNNNN for terms and conditions"			
		NNNNNN represents the six character mask PO number			

Heading Section - Continued

N9: Reference Identification

Pos: 285	Max: 1
Heading - Optional	
Loop: N9	Elements: 2

User: To Identify the Supplier Contact

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>				
N901	128	Reference Identification Qualifier	M	ID	2/3				
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>ZA</td> <td>Supplier</td> </tr> </table>	<u>Code</u>	<u>Name</u>	ZA	Supplier			
<u>Code</u>	<u>Name</u>								
ZA	Supplier								
N903	369	Free-form Description	C	AN	1/45				
		User: Attn: Supplier Contact Name							

Heading Section - Continued

N9: Reference Identification

Pos: 285	Max: 1
Heading - Optional	
Loop: N9	Elements: 2

User: To Define Term Expiration Date Information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>				
N901	128	Reference Identification Qualifier	M	ID	2/3				
		<table border="1"> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> <tr> <td>U2</td> <td>Term</td> </tr> </table>	<u>Code</u>	<u>Name</u>	U2	Term			
<u>Code</u>	<u>Name</u>								
U2	Term								
N903	369	Free-form Description	C	AN	1/45				
		User: "Term Expir Date"							

MSG: Message Text

Pos: 290	Max: 1000
Heading - Optional	
Loop: N9	Elements: 1

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
MSG01	933	Free-Form Message Text	M	AN	1/264
		User: Term Expiration Date in MM/DD/CCYY Format			

Heading Section - Continued

N9: Reference Identification

Pos: 285	Max: 1
Heading - Optional	
Loop: N9	Elements: 2

User: Routing Type and Description

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>				
N901	128	Reference Identification Qualifier	M	ID	2/3				
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>L1</td> <td>Letters or Notes</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	L1	Letters or Notes			
<u>Code</u>	<u>Name</u>								
L1	Letters or Notes								
N903	369	Free-form Description	C	AN	1/45				
		User: "Routing Type & Desc"							

MSG: Message Text

Pos: 290	Max: 1000
Heading - Optional	
Loop: N9	Elements: 1

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
MSG01	933	Free-Form Message Text	M	AN	1/264
		User: Routing Type:			
		<ul style="list-style-type: none"> Premium routing, OR Standard routing, OR Buyer routing 			

MSG: Message Text

Pos: 290	Max: 1000
Heading - Optional	
Loop: N9	Elements: 1

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
MSG01	933	Free-Form Message Text	M	AN	1/264
		User: Routing Payment Description:			
		<ul style="list-style-type: none"> Via carrier: "carrier supplier name" & "carrier supplier code", OR Supplier pays difference between premium and surface, OR Supplier pays all freight costs, OR Boeing pays per Boeing premium instructions OR Boeing pays difference between premium and surface OR "instructions for standard routing" 			

Heading Section - Continued

N9: Reference Identification

Pos: 285	Max: 1
Heading - Optional	
Loop: N9	Elements: 2

User: Routing Instructions

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>				
N901	128	Reference Identification Qualifier	M	ID	2/3				
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>L1</td> <td>Letters or Notes</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	L1	Letters or Notes			
<u>Code</u>	<u>Name</u>								
L1	Letters or Notes								
N903	369	Free-form Description	C	AN	1/45				
		User: "Routing Instr"							

MSG: Message Text

Pos: 290	Max: 1000
Heading - Optional	
Loop: N9	Elements: 1

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
MSG01	933	Free-Form Message Text	M	AN	1/264
		User: The actual routing instructions			

Heading Section - Continued

N9: Reference Identification

Pos: 285	Max: 1
Heading - Optional	
Loop: N9	Elements: 2

User: To start the loop for Purchase Order Notes

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>				
N901	128	Reference Identification Qualifier	M	ID	2/3				
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>L1</td> <td>Letters or Notes</td> </tr> </table>	<u>Code</u>	<u>Name</u>	L1	Letters or Notes			
<u>Code</u>	<u>Name</u>								
L1	Letters or Notes								
N903	369	Free-form Description	C	AN	1/45				
		User: "PO Note Txt:							

MSG: Message Text

Pos: 290	Max: 1000
Heading - Optional	
Loop: N9	Elements: 1

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
MSG01	933	Free-Form Message Text	M	AN	1/264
		User: The free form text associated with the Purchase Order Note(s)			

Heading Section - Continued

N9: Reference Identification

Pos: 285	Max: 1
Heading - Optional	
Loop: N9	Elements: 2

User: This is a disclaimer stating that all purchase order changes are not always identifiable.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>				
N901	128	Reference Identification Qualifier	M	ID	2/3				
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>L1</td> <td>Letters or Notes</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	L1	Letters or Notes			
<u>Code</u>	<u>Name</u>								
L1	Letters or Notes								
N903	369	Free-form Description	C	AN	1/45				
		User: "Comparison Message"							

MSG: Message Text

Pos: 290	Max: 1000
Heading - Optional	
Loop: N9	Elements: 1

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
MSG01	933	Free-Form Message Text	M	AN	1/264
		User: "Precise change information unavailable to set POC02"			

MSG: Message Text

Pos: 290	Max: 1000
Heading - Optional	
Loop: N9	Elements: 1

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
MSG01	933	Free-Form Message Text	M	AN	1/264
		User: "Manual comparison may be necessary"			

Heading Section - Continued

N1: Name

Pos: 300	Max: 1
Heading - Optional	
Loop: N1	Elements: 3

User: Ship-To Information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
N101	98	Entity Identifier Code <u>Code</u> <u>Name</u> ST Ship To	M	ID	2/3
N103	66	Identification Code Qualifier <u>Code</u> <u>Name</u> 92 Assigned by Buyer or Buyer's Agent	C	ID	1/2
N104	67	Identification Code User: Ship-To Code Please refer to the "TBL: PO Notes and Ship-To Text" Implementation Guide.	C	AN	2/80

Heading Section - Continued

N1: Name

Pos: 300	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

User: Supplier Information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
N101	98	Entity Identifier Code <u>Code</u> <u>Name</u> SU Supplier/Manufacturer	M	ID	2/3
N102	93	Name User: Purchase Contract Supplier Name	C	AN	1/60
N103	66	Identification Code Qualifier <u>Code</u> <u>Name</u> 92 Assigned by Buyer or Buyer's Agent	C	ID	1/2
N104	67	Identification Code User: Purchase Contract Supplier Code	C	AN	2/80

Detail Section

POC: Line Item Change

Pos: 010	Max: 1
Detail - Optional	
Loop: POC	Elements: 13

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>																				
POC01	350	Assigned Identification User: PO Item Number	O	AN	1/20																				
POC02	670	Change or Response Type Code <table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>AI</td> <td>Add Additional Item(s)</td> </tr> <tr> <td>DI</td> <td>Delete Item(s)</td> </tr> <tr> <td>MU</td> <td>Multiple) For Unit Price Quantity Reschedule Change</td> </tr> <tr> <td>NC</td> <td>Concurrent Item (No Change)</td> </tr> <tr> <td>PQ</td> <td>Unit Price/Quantity Change</td> </tr> <tr> <td>PR</td> <td>Unit Price/Reschedule Change</td> </tr> <tr> <td>RE</td> <td>Replacement Item</td> </tr> <tr> <td>RQ</td> <td>Reschedule/Quantity Change</td> </tr> <tr> <td>RS</td> <td>Reschedule</td> </tr> </table>	<u>Code</u>	<u>Name</u>	AI	Add Additional Item(s)	DI	Delete Item(s)	MU	Multiple) For Unit Price Quantity Reschedule Change	NC	Concurrent Item (No Change)	PQ	Unit Price/Quantity Change	PR	Unit Price/Reschedule Change	RE	Replacement Item	RQ	Reschedule/Quantity Change	RS	Reschedule	M	ID	2/2
<u>Code</u>	<u>Name</u>																								
AI	Add Additional Item(s)																								
DI	Delete Item(s)																								
MU	Multiple) For Unit Price Quantity Reschedule Change																								
NC	Concurrent Item (No Change)																								
PQ	Unit Price/Quantity Change																								
PR	Unit Price/Reschedule Change																								
RE	Replacement Item																								
RQ	Reschedule/Quantity Change																								
RS	Reschedule																								
POC03	330	Quantity Ordered User: Ordered Quantity	O	R	1/15																				
POC04	671	Quantity Left to Receive User: Open Ordered Quantity	C	R	1/9																				
POC05	C001 355	Composite Unit of Measure Unit or Basis for Measurement Code User: Ordered Quantity Unit of Measure Please refer to Attachment A for Unit of Measure Codes List	C M	Comp ID	 2/2																				
POC06	212	Unit Price User: Item Unit Price (numeric)	C	R	1/17																				
POC07	639	Basis of Unit Price Code <table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>CT</td> <td>Contract</td> </tr> <tr> <td>NC</td> <td>No Charge</td> </tr> </table>	<u>Code</u>	<u>Name</u>	CT	Contract	NC	No Charge	O	ID	2/2														
<u>Code</u>	<u>Name</u>																								
CT	Contract																								
NC	No Charge																								
POC08	235	Product/Service ID Qualifier <table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>BP</td> <td>Buyer's Part Number</td> </tr> </table>	<u>Code</u>	<u>Name</u>	BP	Buyer's Part Number	C	ID	2/2																
<u>Code</u>	<u>Name</u>																								
BP	Buyer's Part Number																								
POC09	234	Product/Service ID User: Part Number	C	AN	1/48																				
POC10	235	Product/Service ID Qualifier <table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>MF</td> <td>Manufacturer</td> </tr> </table>	<u>Code</u>	<u>Name</u>	MF	Manufacturer	C	ID	2/2																
<u>Code</u>	<u>Name</u>																								
MF	Manufacturer																								
POC11	234	Product/Service ID User: Manufacturing Supplier Code	C	AN	1/48																				
POC12	235	Product/Service ID Qualifier <table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>PQ</td> <td>Product ID Attribute Code</td> </tr> </table>	<u>Code</u>	<u>Name</u>	PQ	Product ID Attribute Code	C	ID	2/2																
<u>Code</u>	<u>Name</u>																								
PQ	Product ID Attribute Code																								
POC13	234	Product/Service ID User: Material Class and Code	C	AN	1/48																				

Detail Section - Continued

CTP: Pricing Information

Pos: 040	Max: >1
Detail - Optional	
Loop: POC	Elements: 4

User: Pricing information not found in POC segment will be displayed here, specifically when:

- 1) pricing codes exist (see CTP02)
- 2) multiple prices exist for one line item
- 3) multiple units of measure exist for one line item

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>										
CTP02	236	Price Identifier Code	C	ID	3/3										
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>CON</td> <td>Contract Price</td> </tr> <tr> <td>INV</td> <td>Invoice Billing Price</td> </tr> <tr> <td>MAX</td> <td>Maximum Order Quantity Price</td> </tr> <tr> <td>N31</td> <td>No Charge</td> </tr> </table>	<u>Code</u>	<u>Name</u>	CON	Contract Price	INV	Invoice Billing Price	MAX	Maximum Order Quantity Price	N31	No Charge			
<u>Code</u>	<u>Name</u>														
CON	Contract Price														
INV	Invoice Billing Price														
MAX	Maximum Order Quantity Price														
N31	No Charge														
CTP03	212	Unit Price	C	R	1/17										
		User: Item Unit Price													
CTP04	380	Quantity	C	R	1/15										
		User: Item Quantity													
CTP05	C001	Composite Unit of Measure	C	Comp											
	355	Unit or Basis for Measurement Code	M	ID	2/2										
		User: Pricing Quantity Unit of Measure													
		Please refer to Attachment A for Unit of Measure Codes List													

Detail Section - Continued

MEA: Measurements

Pos: 049	Max: 10
Detail - Optional	
Loop: PO1	Elements: 5

User: Shipping Tolerance Information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
MEA01	737	Measurement Reference ID Code	O	ID	2/2
		<u>Code</u> <u>Name</u>			
		SH Shipping Tolerance			
MEA02	738	Measurement Qualifier	O	ID	1/3
		<u>Code</u> <u>Name</u>			
		PO Percent of Order (-,+)			
		XP Specified			
MEA04	C001	Composite Unit of Measure	C	Comp	
	355	Unit or Basis for Measurement Code	M	ID	2/2
		<u>Code</u> <u>Name</u>			
		P1 Percent			
		PC Piece			
MEA05	740	Range Minimum	C	R	1/20
		User: Tolerance Under			
MEA06	741	Range Maximum	C	R	1/20
		User: Tolerance Over			

Detail Section - Continued

PID: Product/Item Description

Pos: 050	Max: 1
Detail - Optional	
Loop: PID	Elements: 2

User: Line Item Description

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>				
PID01	349	Item Description Type	M	ID	1/1				
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>F</td> <td>Free-form</td> </tr> </table>	<u>Code</u>	<u>Name</u>	F	Free-form			
<u>Code</u>	<u>Name</u>								
F	Free-form								
PID05	352	Description	C	AN	1/80				
		User: Line Item Description							

PID: Product/Item Description

Pos: 050	Max: 1
Detail - Optional	
Loop: PID	Elements: 2

User: Line Item - Additional Description

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>				
PID01	349	Item Description Type	M	ID	1/1				
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>F</td> <td>Free-form</td> </tr> </table>	<u>Code</u>	<u>Name</u>	F	Free-form			
<u>Code</u>	<u>Name</u>								
F	Free-form								
PID05	352	Description	C	AN	1/80				
		User: Additional description for the line item.							

Detail Section - Continued

SAC: Service, Allowance, or Charge Information

Pos: 130	Max: 1
Detail - Optional	
Loop: SAC	Elements: 7

User: Canceled Special Charge Information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
SAC01	248	Allowance or Charge Indicator	M	ID	1/1
		<u>Code</u> <u>Name</u>			
		N No Allowance or Charge			
SAC02	1300	Service, Promotion, Allowance, or Charge Code	C	ID	4/4
		User: Special Charge Code			
		Please refer to Attachment B for Special Charge Codes			
SAC08	118	Rate	O	R	1/9
		User: Special Charge rate is equal to zero for canceled items.			
SAC09	355	Unit or Basis for Measurement Code	C	ID	2/2
		User: Special Charge Unit of Measure			
		Please refer to Attachment A for Unit of Measure Codes List			
SAC10	380	Quantity	C	R	1/15
		User: Special Charge Quantity			
SAC12	331	Allowance or Charge Method of Handling Code	O	ID	2/2
		<u>Code</u> <u>Name</u>			
		- ZZ Mutually Defined			
SAC15	352	Description	C	AN	1/80
		User: Special Charge Description			

SAC: Service, Allowance, or Charge Information

Pos: 130	Max: 1
Detail - Optional	
Loop: SAC	Elements: 7

User: Special Charge Information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
SAC01	248	Allowance or Charge Indicator	M	ID	1/1
		<u>Code</u> <u>Name</u>			
		C Charge			
SAC02	1300	Service, Promotion, Allowance, or Charge Code	C	ID	4/4
		User: Special Charge Code			
		Please refer to Attachment B for Special Charge Codes			
SAC08	118	Rate	O	R	1/9
		User: Special Charge Unit Price			
SAC09	355	Unit or Basis for Measurement Code	C	ID	2/2
		User: Special Charge Unit of Measure			
		Please refer to Attachment A for Unit of Measure Codes List			
SAC10	380	Quantity	C	R	1/15
		User: Special Charge Quantity			
SAC12	331	Allowance or Charge Method of Handling Code	O	ID	2/2
		<u>Code</u> <u>Name</u>			
		06 Charge to be Paid by Customer			
SAC15	352	Description	C	AN	1/80
		User: Special Charge Description			

Detail Section - Continued

SDQ: Destination Quantity

Pos: 190	Max: 500
Detail - Optional	
Loop: POC	Elements: 4

User: Supplier Banked Material Information - End Item
 Also see the N9/MSG segments in Detail section pos. 285 and 290, for additional SBM-End Item Information.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>				
SDQ01	355	Unit or Basis for Measurement Code	M	ID	2/2				
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>ZZ</td> <td>Mutually Defined</td> </tr> </table> <p>User: This code used for syntax purposes only. Unit of measure is not used for SBM End Item information.</p>	<u>Code</u>	<u>Name</u>	ZZ	Mutually Defined			
<u>Code</u>	<u>Name</u>								
ZZ	Mutually Defined								
SDQ02	66	Identification Code Qualifier	O	ID	1/2				
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>54</td> <td>Warehouse</td> </tr> </table>	<u>Code</u>	<u>Name</u>	54	Warehouse			
<u>Code</u>	<u>Name</u>								
54	Warehouse								
SDQ03	67	Identification Code	M	AN	2/80				
		User: Purchase Contract Supplier Code							
SDQ04	380	Quantity	M	R	1/15				
		User: SBM Quantity							

Detail Section - Continued

SDQ: Destination Quantity

Pos: 190	Max: 500
Detail - Optional	
Loop: POC	Elements: 4

User: Supplier Banked Material Information - Ship-To

There can be MULTIPLE occurrences of this SDQ segment for a given PO1 loop.
 Also see N1 loop, position 290, in Detail section for additional SBM Ship-To information.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>				
SDQ01	355	Unit or Basis for Measurement Code	M	ID	2/2				
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>ZZ</td> <td>Mutually Defined</td> </tr> </table> <p>User: This code used for syntax purposes only. Unit of measure is not used for SBM Ship-To information.</p>	<u>Code</u>	<u>Name</u>	ZZ	Mutually Defined			
<u>Code</u>	<u>Name</u>								
ZZ	Mutually Defined								
SDQ02	66	Identification Code Qualifier	O	ID	1/2				
		<p>User: SBM Destination</p> <table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>92</td> <td>Assigned by Buyer or Buyer's Agent</td> </tr> </table>	<u>Code</u>	<u>Name</u>	92	Assigned by Buyer or Buyer's Agent			
<u>Code</u>	<u>Name</u>								
92	Assigned by Buyer or Buyer's Agent								
SDQ03	67	Identification Code	M	AN	2/80				
		User: SBM Destination Supplier Name							
SDQ04	380	Quantity	M	R	1/15				
		User: SBM Quantity							

Detail Section - Continued

SCH: Line Item Schedule

Pos: 295	Max: 1
Detail - Optional	
Loop: SCH	Elements: 4

User: Committed Schedule Information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
SCH01	380	Quantity User: Committed Schedule Quantity	M	R	1/15
SCH02	355	Unit or Basis for Measurement Code User: Ordered Quantity - Unit of Measure Please refer to Attachment A for Unit of Measure Codes List	M	ID	2/2
SCH04	93	Name User: "Committed"	C	AN	60
SCH05	374	Date/Time Qualifier <u>Code</u> <u>Name</u> 038 Ship No Later	M	ID	3/3
SCH06	373	Date User: Will Ship Date in CCYYMMDD format	M	DT	8/8

SCH: Line Item Schedule

Pos: 295	Max: 1
Detail - Optional	
Loop: SCH	Elements: 4

User: Required Schedule Information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
SCH01	380	Quantity User: Required Schedule Quantity	M	R	1/15
SCH02	355	Unit or Basis for Measurement Code User: Ordered Quantity - Unit of Measure Please refer to Attachment A for Unit of Measure Codes List	M	ID	2/2
SCH04	93	Name User: "Required"	C	AN	60
SCH05	374	Date/Time Qualifier <u>Code</u> <u>Name</u> 038 Ship No Later	M	ID	3/3
SCH06	373	Date User: Will Ship Date in CCYYMMDD format	M	DT	8/8

Detail Section - Continued

N9: Reference Identification

Pos: 320	Max: 1
Detail - Optional	
Loop: N9	Elements: 2

User: Supplier Banked Material (SBM) - End Item Information

This also ties to SDQ segment (Detail Section, pos. 190)

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
N901	128	Reference Identification Qualifier	M	ID	2/3
		<u>Code</u> <u>Name</u>			
		PO Purchase Order Number			
N903	369	Free-form Description	C	AN	1/45
User: "SBM PO"					

MSG: Message Text

Pos: 330	Max: 1000
Detail - Optional	
Loop: N9	Elements: 1

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
MSG01	933	Free-Form Message Text	M	AN	1/264
User: SBM End Item PO number					

N9: Reference Identification

Pos: 320	Max: 1
Detail - Optional	
Loop: N9	Elements: 2

User: Supplier Banked Material (SBM) - End Item Information

This also ties to SDQ segment (Detail Section, pos. 190)

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
N901	128	Reference Identification Qualifier	M	ID	2/3
		<u>Code</u> <u>Name</u>			
		PM Part Number			
N903	369	Free-form Description	C	AN	1/45
User: "SBM PN"					

MSG: Message Text

Pos: 330	Max: 1000
Detail - Optional	
Loop: N9	Elements: 1

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
MSG01	933	Free-Form Message Text	M	AN	1/264
User: SBM End-Item Part Number					

Detail Section - Continued

N9: Reference Identification

Pos: 320	Max: 1
Detail - Optional	
Loop: N9	Elements: 2

User: Pricing Code Information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>				
N901	128	Reference Identification Qualifier	M	ID	2/3				
		<table border="1"> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> <tr> <td>SR</td> <td>Sales Responsibility</td> </tr> </table>	<u>Code</u>	<u>Name</u>	SR	Sales Responsibility			
<u>Code</u>	<u>Name</u>								
SR	Sales Responsibility								
N903	369	Free-form Description	C	AN	1/45				
		User: "Price Code"							

MSG: Message Text

Pos: 330	Max: 1000
Detail - Optional	
Loop: N9	Elements: 1

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
MSG01	933	Free-Form Message Text	M	AN	1/264
		User: Unique Pricing Codes / Conditions:			
		<ul style="list-style-type: none"> TBD = Price To Be Determined TBN = Price To Be Negotiated SNB = See Note Below 			

Detail Section - Continued

N9: Reference Identification

Pos: 320	Max: 1
Detail - Optional	
Loop: N9	Elements: 2

User: Schedule Reference Information (when SCH segment dates are not numeric)

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>				
N901	128	Reference Identification Qualifier	M	ID	2/3				
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>ZZ</td> <td>Mutually Defined</td> </tr> </table>	<u>Code</u>	<u>Name</u>	ZZ	Mutually Defined			
<u>Code</u>	<u>Name</u>								
ZZ	Mutually Defined								
N903	369	Free-form Description	C	AN	1/45				
		User: "Sch Ref Cd"							

MSG: Message Text

Pos: 330	Max: 1000
Detail - Optional	
Loop: N9	Elements: 1

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
MSG01	933	Free-Form Message Text	M	AN	1/264
		<p>User: Pricing Conditions:</p> <ul style="list-style-type: none"> • See Note Below, OR • TBD (To Be Determined), OR • Per Matrix - See Note Below, OR • Per Firing Order - See Note Code B53, OR • Not Applicable • KMB – Kan Ban 			

Detail Section - Continued

N1: Name

Pos: 340	Max: 1
Detail - Optional	
Loop: N1	Elements: 2

User: Supplier Banked Material (SBM) - Ship-To Information

- This ties to the second SDQ segment (Detail section, position 190)

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
N101	98	Entity Identifier Code	M	ID	2/3
		<u>Code</u> <u>Name</u>			
		ST Ship To			
N102	93	Name	C	AN	1/60
		User: SBM (Supplier Banked Material) Ship-To Supplier Name			

N3: Address Information

Pos: 360	Max: 2
Detail - Optional	
Loop: N1	Elements: 2

User: SBM (Ship-To) Supplier Street Address

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
N301	166	Address Information	M	AN	1/55
		User: SBM Ship-To Address Line			
N302	166	Address Information	O	AN	1/55
		User: SBM Ship-To Address Line			

N4: Geographic Location

Pos: 370	Max: 1
Detail - Optional	
Loop: N1	Elements: 4

User: SBM (Ship-To) Supplier City, State, Zip and Nation

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
N401	19	City Name	O	AN	2/30
		User: SBM Ship-To City			
N402	156	State or Province Code	O	ID	2/2
		User: SBM Ship-To State			
N403	116	Postal Code	O	ID	3/15
		User: SBM Ship-To Zip Code			
N404	26	Country Code	O	ID	2/3
		User: SBM Ship-To Country			

Detail Section - Continued

SLN: Subline Item Detail

Pos: 460	Max: 1
Detail - Optional	
Loop: SLN	Elements: 10

User: Line Item Work Order Information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
SLN01	350	Assigned Identification User: Identifying number for the subline item.	M	AN	1/20
SLN03	662	Relationship Code <u>Code</u> <u>Name</u> A Add	M	ID	1/1
SLN04	380	Quantity User: Work Order Quantity	C	R	1/15
SLN05	C001 355	Composite Unit of Measure Unit or Basis for Measurement Code User: Work Order Quantity Unit of Measure Please refer to Attachment A for Unit of Measure Codes List	C M	Comp ID	 2/2
SLN09	235	Product/Service ID Qualifier <u>Code</u> <u>Name</u> ZZ Mutually Defined	C	ID	2/2
SLN10	234	Product/Service ID User: Work Order Number	C	AN	1/48
SLN11	235	Product/Service ID Qualifier <u>Code</u> <u>Name</u> F4 Series Identifier	C	ID	2/2
SLN12	234	Product/Service ID User: Work Order Sub Number OR blank	C	AN	1/48
SLN13	235	Product/Service ID Qualifier <u>Code</u> <u>Name</u> SN Serial Number	C	ID	2/2
SLN14	234	Product/Service ID User: Work Order Serial Number OR blank	C	AN	1/48

Summary Section

CTT: Transaction Totals

Pos: 010	Max: 1
Summary - Optional	
Loop: CTT	Elements: 2

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
CTT01	354	Number of Line Items	M	N0	1/6
		User: Line Item Count			
CTT02	347	Hash Total	O	R	1/10
		User: Hash Total			

ANSI ASC X12 - 865 Transaction Set Mapping

EDI Transaction Set Table - 865 POC Acknowledgment

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
020	BCA	Beginning Segment for Purchase Order Change Acknowledgment	M	1		

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
LOOP ID - POC					≥1	
010	POC	Line Item Change	O	1		
040	CTP	Pricing Information	O	>1		
LOOP ID - ACK					104	
270	ACK	Line Item Acknowledgment	O	1		
LOOP ID - SCH					200	
305	SCH	Line Item Schedule	O	1		

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
LOOP ID - CTT					1	
010	CTT	Transaction Totals	O	1		N3/010

Heading Section

BCA: Beginning Segment - POC Acknowledgment

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 6

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>										
BCA01	353	Transaction Set Purpose Code	M	ID	2/2										
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>04</td> <td>Change</td> </tr> <tr> <td>07</td> <td>Duplicate</td> </tr> </table>	<u>Code</u>	<u>Name</u>	04	Change	07	Duplicate							
<u>Code</u>	<u>Name</u>														
04	Change														
07	Duplicate														
BCA02	587	Acknowledgment Type	O	ID	2/2										
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>AC</td> <td>Acknowledge - With Detail and Change</td> </tr> <tr> <td>AT</td> <td>Accepted</td> </tr> <tr> <td>RJ</td> <td>Rejected - No Detail</td> </tr> <tr> <td>AH</td> <td>On Hold</td> </tr> </table>	<u>Code</u>	<u>Name</u>	AC	Acknowledge - With Detail and Change	AT	Accepted	RJ	Rejected - No Detail	AH	On Hold			
<u>Code</u>	<u>Name</u>														
AC	Acknowledge - With Detail and Change														
AT	Accepted														
RJ	Rejected - No Detail														
AH	On Hold														
BCA03	324	Purchase Order Number	M	AN	1/22										
		User: Purchase Order Number													
BCA05	327	Change Order Sequence Number	O	AN	1/8										
		User: Purchase Order Change - Revision Number													
BCA06	373	Date	M	DT	8/8										
		User: Purchase Order Date in CCYYMMDD format													
BCA10	373	Date	O	DT	8/8										
		User: Purchase Order Change Acknowledgment Date in CCYYMMDD format													

Detail Section

POC: Line Item Change

Pos: 010	Max: 1
Detail – Optional	
Loop: POC	Elements: 6

User: To specify changes to a line item and should only be included when BAK02 is "AC".

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
POC01	350	Assigned Identification User: PO item number	O	AN	1/20
POC02	670	Change or Response Type Code <u>Code</u> <u>Name</u> CA Changes to Line Items	M	ID	2/2
POC03	330	Quantity Ordered User: Order Quantity	O	R	1/15
POC04	671	Quantity Left to Receive	C	ID	1/15
POC05	C001	Composite Unit of Measure	C	Comp	
	355	Unit or Basis for Measurement Code User: Order Quantity Unit of Measure Please refer to Attachment A for Unit of Measure Codes List	M	ID	2/2
POC06	212	Unit Price	C	R	1/17
POC08	235	Product/Service ID Qualifier <u>Code</u> <u>Name</u> BP Buyer's Part Number	C	ID	2/2
POC09	234	Product/Service ID User: Part Number	C	AN	1/48

Detail Section - Continued

CTP: Pricing Information

Pos: 040	Max: >1
Detail - Optional	
Loop: POC	Elements: 4

- **User:** CTP should only be used when BAK02 is "AC" and must be used to convey any price changes.
- The CTP segment is used in conjunction with an ACK01 segment "Line Item Status Code" (IP) for Price Change.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>								
CTP02	236	Price Identifier Code Internal: wp_price_date[1].pricing_code	C	ID	3/3								
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>CON</td> <td>Contract Price</td> </tr> <tr> <td>INV</td> <td>Invoice Billing Price</td> </tr> <tr> <td>MAX</td> <td>Maximum Order Quantity Price</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	CON	Contract Price	INV	Invoice Billing Price	MAX	Maximum Order Quantity Price			
<u>Code</u>	<u>Name</u>												
CON	Contract Price												
INV	Invoice Billing Price												
MAX	Maximum Order Quantity Price												
CTP03	212	Unit Price User: Item Unit Price	C	R	1/17								
CTP04	380	Quantity User: Item Quantity	C	R	1/15								
CTP05	C001	Composite Unit of Measure	C	Comp									
	355	Unit or Basis for Measurement Code User: Ordered Quantity Unit of Measure Please refer to Attachment A for Unit of Measure Codes List	M	ID	2/2								

Detail Section - Continued

ACK: Line Item Acknowledgment

Pos: 270	Max: 1
Detail - Optional	
Loop: ACK	Elements: 5

User: ACK should only be used when the Acknowledgment Type (BAK02) is assigned a value of 'AC' and it should only be used for the following reasons.

- * Date Reschedule
- * Price Changed
- * Quantity Changed
- * Item Rejection

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>												
ACK01	668	Line Item Status Code	M	ID	2/2												
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>DR</td> <td>Item Accepted - Date Rescheduled</td> </tr> <tr> <td>IA</td> <td>Item Accepted</td> </tr> <tr> <td>IP</td> <td>Item Accepted - Price Changed</td> </tr> <tr> <td>IQ</td> <td>Item Accepted - Quantity Changed</td> </tr> <tr> <td>IR</td> <td>Item Rejected</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	DR	Item Accepted - Date Rescheduled	IA	Item Accepted	IP	Item Accepted - Price Changed	IQ	Item Accepted - Quantity Changed	IR	Item Rejected			
<u>Code</u>	<u>Name</u>																
DR	Item Accepted - Date Rescheduled																
IA	Item Accepted																
IP	Item Accepted - Price Changed																
IQ	Item Accepted - Quantity Changed																
IR	Item Rejected																
ACK02	380	Quantity	C	R	1/15												
		User: Ordered Quantity															
ACK03	355	Unit or Basis for Measurement Code	C	ID	2/2												
		User: Ordered Quantity Unit of Measure															
		Please refer to Attachment A for Unit of Measure Codes List															
ACK04	374	Date/Time Qualifier	O	ID	3/3												
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>038</td> <td>Ship No Later</td> </tr> <tr> <td>083</td> <td>Scheduled for Shipment (Prior to and Including)</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	038	Ship No Later	083	Scheduled for Shipment (Prior to and Including)									
<u>Code</u>	<u>Name</u>																
038	Ship No Later																
083	Scheduled for Shipment (Prior to and Including)																
ACK05	373	Date	C	DT	8/8												
		User: Date expressed in CCYYMMDD format															

Detail Section - Continued

SCH: Line Item Schedule

Pos: 305	Max: 1
Detail - Optional	
Loop: SCH	Elements: 4

User: SCH is used to display original Schedule Dates on the original Purchase Order (850).

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
SCH01	380	Quantity User: Schedule Quantity	M	R	1/15
SCH02	355	Unit or Basis for Measurement Code User: Line Item Unit of Measure Please refer to Attachment A for Unit of Measure Codes List	M	ID	2/2
SCH05	374	Date/Time Qualifier <u>Code</u> <u>Name</u> 038 Ship No Later	M	ID	3/3
SCH06	373	Date User: Date expressed in CCYYMMDD format	M	DT	8/8

Summary Section

CTT: Transaction Totals

Pos: 010	Max: 1
Summary - Optional	
Loop: CTT	Elements: 2

To transmit a hash total for a specific element in the transaction set

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
CTT01	354	Number of Line Items	M	N0	1/6
CTT02	347	Hash Total	O	R	1/10

Attachment A Unit of Measure Codes List

The following code list represents the only codes that will be sent from the PCOS application via EDI.

Code	Name
03	Seconds
BD	Bundle
BF	Board Feet
BG	Bag
BM	Bolt
BO	Bottle
BR	Barrel
CA	Case
CF	Cubic Feet
CG	Card
CI	Cubic Inches
CL	Cylinder
CM	Centimeter
CN	Can
CT	Carton
CX	Coil
CY	Cubic Yard
DA	Days
DF	Dram
DH	Miles
DR	Drum
DZ	Dozen
EA	Each
FT	Foot
GA	Gallon
GR	Gram
GS	Gross
HA	Hank
HR	Hours
HU	Hundred
HV	Hundred Weight (Short)
IN	Inch
JA	Job
JR	Jar
KG	Kilogram
KT	Kit
LB	Pound
LF	Linear Foot
LN	Length

Code	Name
LO	Lot
LT	Liter
LY	Linear Yard
MJ	Minutes
ML	Milliliter
MM	Millimeter
OZ	Ounce
PA	Pail
PC	Piece
PD	Pad
PK	Package
PR	Pair
PT	Pint
QT	Quart
RL	Roll
RM	Ream
SC	Square Centimeter
SF	Square Foot
SH	Sheet
SI	Square Inch
SJ	Sack
SM	Square Meter
SO	Spool
SQ	Square
ST	Set
SY	Square Yard
TB	Tube
TG	Gross Ton
TH	Thousand
TO	Troy Ounce
TQ	Thousand Feet
UN	Unit
VI	Vial
ZP	Page
ZZ	Mutually Defined

Attachment B

Special Charge Codes

Code	Name
B110	Chemical Milling Charge
B670	Contract Escalation
B940	Cutting Charge
C090	Deposit Charges
C230	Die Service Charge
C690	Escalation
C870	Expediting Fee
C880	Expediting Premium
C930	Export Shipping Charge
D580	Heat Treat Charge
D900	Installation
E290	Layout/Design
E960	One-Time-Only Charge
F050	Other (See related description)
F150	Packaging Service
F650	Preparation
G400	Repair
G470	Restocking Charge
G510	Returnable Container
G660	Scrap Allowance
G760	Set-up
H000	Special Allowance
H980	Test/Qualification Charge
I110	Tooling
ZZZZ	Mutually Defined i.e.: Deceleration Charge

End of Document
