

# Bell Helicopter **TEXTRON**

A Subsidiary of Textron Inc.

## **850** Purchase Order X12 Version 4010

**Functional Group ID = PO Use: Routine PO**

The major changes appears in the  
REF (Reference) Segment, listed on Page 4 affective date 4-18-2008  
PO1 Seg, listed on Page 15, added PO114 and PO115 for ODS/MEPI affective 5-22-08

### **Transaction Description**

This standard provides for the format and establishes the data contents of a purchase order transaction set. The purchase order transaction set provides the information required for the customary and established business and industry practice relative to a purchase orders.

### **Implementation Notes**

1. The following section descriptions list only those segments used by Bell Helicopter.
2. In the segment breakout listings, only those elements used by Bell Helicopter are listed.
3. Bell Helicopter uses this implementation guide when transmitting changes to routine purchase orders.
4. This guide is not to be used for Just-In-Time orders.
5. Bell Helicopter does not send "changes only" information in this transaction – all information from the original purchase order is transmitted using the modified values. The resulting document replaces the original purchase order.

<b>Header Section</b>					
<b>Pos. No.</b>	<b>Seg. ID</b>	<b>Name</b>	<b>Req. Des.</b>	<b>Max Use</b>	<b>Loop Repeat</b>
010	ST	Transaction Set Header	M	1	
020	BEG	Beginning Segment for Purchase Order	M	1	
040	CUR	Currency	O	1	
050	REF	Reference Numbers	O	>1	
060	PER	Administrative Communications Contact	O	3	
080	FOB	FOB-Related Instructions	O	>1	
130	ITD	Terms of Sale / Deferred Terms of Sale	O	5	
210	PWK	Paperwork	O	25	

<b>N9 Loop Max Use 1000</b>					
<b>Pos. No.</b>	<b>Seg. ID</b>	<b>Name</b>	<b>Req. Des.</b>	<b>Max Use</b>	<b>Loop Repeat</b>
290	N9	Reference Identification	O	1	
300	MSG	Message Text	O	1000	

<b>N1 Loop Max Use 200</b>					
<b>Pos. No.</b>	<b>Seg. ID</b>	<b>Name</b>	<b>Req. Des.</b>	<b>Max Use</b>	<b>Loop Repeat</b>
310	N1	Name	O	200	

<b>Detail Section</b>					
<b>Pos. No.</b>	<b>Seg. ID</b>	<b>Name</b>	<b>Req. Des.</b>	<b>Max Use</b>	<b>Loop Repeat</b>
010	PO1	Purchase Order Baseline Item	M	1	100000
050	PID	Product/Item Description	M	1	1000
100	REF	Reference Identification	O	1	
130	SAC	Allowance, Charge, or Service	O	1	25
210	DTM	Administrative Communications Contact	O	10	
295	SCH	Line Item Schedule	O	1	200
330	N9	Reference Identification	O	1	1000
340	MSG	Message Text	O	1000	

<b>Summary Section</b>					
<b>No.</b>	<b>ID</b>	<b>Name</b>	<b>Des.</b>	<b>Use</b>	<b>Repeat</b>
<b>CTT Loop</b>					<b>1</b>
010	CTT	Transaction Totals	M	1	
020	AMT	Monetary Amount	O	1	

Segment: Segment: **BEG** Beginning Segment for Purchase Order

Position: 020  
Loop: Level: Heading  
Usage: Mandatory  
Max Use: 1

Purpose: To indicate the beginning of the purchase order transaction set and transmit identifying numbers and dates. Notes:

BEG 01	01	Transaction Set Purpose Code	M	ID	2 / 2
		<b>00</b> Original			
		<b>06</b> Confirmation			
BEG 02	92	Purchase Order Type	M	ID	2 / 2
		Use any valid code. The most commonly used codes are:			
		<b>CF</b> Confirmation			
		<b>SA</b> Standalone			
		<b>RL</b> Release Order			
BEG 03	324	Purchase Order Number	M	AN	1 / 22
BEG 05	373	Purchase Order Date	M	DT	8 / 8

Segment: **CUR** Currency Position: 040 Loop: Level: Heading Usage: Optional Max Use: 1  
 Purpose: To specify the currency used in a transaction. Notes: Currency codes are as specified in ISO-4217, *Codes for the Representation of Currencies and Funds*

Reference Designator	Element Number	Name	Req.	Type	Length Min/Max
CUR 01	98	Entity ID Code <b>BY</b> Buyer	M	ID	2 / 2
CUR 02	100	Currency Code <b>USD</b> US Dollars (\$) <b>CAD</b> Canadian Dollars (C\$)	M	ID	3 / 3

Segment: **REF** Reference Numbers

Position: 050

Loop:

Level: Heading

Usage: Optional

Max Use: >1

Purpose: To specify identifying numbers

Notes:

Reference Element	Length	Designator	Number Name	Req.	Type	Min/Max
REF 01	128		Reference Number Qualifier		M	ID 2 / 3
		<b>19</b>	Division ID			
		<b>CJ</b>	Purchase Order Clause Number (*)			
		<b>EZ</b>	Trading Partnership Agreement Document Number			
		<b>GC</b>	Government Contract Number (*)			
		<b>GP</b>	Government Priority Number (*)			
		<b>KZ</b>	Terms and Conditions			
		<b>VR</b>	Vendor ID Number			

REF 02 127 Reference Number X AN 1 / 30

REF 03 352 Description O AN 1 / 80

When REF01 = CJ, this segment will contain the text of the clause.

When REF01 = CJ, REF03 will contain one or more Bell Helicopter purchase order clauses. The clause numbers and text are **also** available on Bell Helicopter's web site. [www.bellhelicopter.com](http://www.bellhelicopter.com)

When REF01=EZ, this element will contain the document number of Bell Helicopter's EDI Trading Partnership Agreement.

When REF01=KZ, this element will contain the document number of Bell Helicopter's Terms and Conditions Agreement.

When REF01 = 19, this element will contain the originator of the document:

**BHTI** = Ft. Worth,

**BHCM** = Canada

When REF01=VR, this element will contain Bell Helicopter's vendor code for the supplier.

Segment: **PER** Administrative Communications Contact

Position: 060 Loop:

Level: Heading

Usage: Optional

Max Use: 3

Purpose: To identify a person or office to whom administrative communications should be directed. Notes: This field is typically used to identify the Bell Helicopter buyer. It can also be used to identify the vendor sales representative who was in communication with the Bell Helicopter buyer.

PER 01 366 Contact Function Code M ID 2 / 2

**BD** Buyer name or department

**SR** Sales representative name or department

PER 02	93	Name	O	AN	1 / 60
PER 03	365	Communication Number Qualifier <b>TE</b> Telephone	X	ID	2 / 2
PER 04	364	Communication Number	X	AN	1 / 80
PER 05	365	Communications Number Qualifier <b>EM</b> Email Address	X	ID	2 / 2
PER 06	364	Communications Number Buyer's Email Address	X	AN	1 / 80

**Notes:**

1. **PER 02:** The Bell Helicopter buyer code will precede the buyer's name (e.g. 123 John Doe).

Segment: **FOB** FOB-Related Instructions

-INCO Terms of Sale - Trade

Position: 080

Loop:

Level: Heading

Usage: Optional

Max Use: >1

Purpose: To specify transportation instructions relating to shipment

Notes:

Reference Designator	Element Number	Name	Req.	Type	Length Min/Max
FOB 01	146	Shipment Method of Payment	M	ID	2 / 2
		<b>CC</b> Collect			
		<b>PC</b> Prepaid but charge to customer			
		<b>PP</b> Prepaid by seller			
FOB 02	309	Location Qualifier	X	ID	1 / 2
		<b>DE</b> Destination			
		<b>OR</b> Origin (Shipping Point)			
		<b>ZZ</b> Mutually Defined			
FOB 03	352	Description	O	AN	1 / 80

### Bell Helicopter Standard Shipping Instructions

Refer to [www.routingguides.com](http://www.routingguides.com)

Segment: **ITD** Terms of Sale / Deferred Terms of Sale  
 Position: 130  
 Loop:  
 Level: Heading  
 Usage: Optional  
 Max Use: 5  
 Purpose: To specify terms of sale

Notes:

Reference Designator	Element Number	Name	Req.	Type	Length Min/Max
ITD 01	336	Terms Type Code	O	ID	2 / 2
		05 Discount not applicable			
		08 Basic discount offered			
ITD 02	333	Terms Basis Date Code	O	ID	1 / 2
		5 Invoice Receipt Date			
ITD 03	338	Terms Discount Percent	O	R	1 / 6
ITD 05	351	Terms Discount Days Due	X	N0	1 / 3
ITD 07	386	Terms Net Days	O	N0	1 / 3
ITD 12	352	Terms Description	O	AN	1 / 80

Segment: **PWK** Paperwork Position: 210 Loop: Level: Heading Usage: Optional Max  
 Use: 25 Purpose: To identify the type and transmission of paperwork or supporting information. Notes: This segment is used (1) to indicate if additional paperwork (process specs, drawings, etc.) will follow the purchase order under separate cover, and (2) to indicate whether or not a formal acknowledgement (X.12 865) is required for this transaction.

Reference	Element	Length	Designator	Number	Name	Req.	Type	Min/Max
PWK 01	755	Report Type Code				M	ID	2 / 2
		<b>AT</b>			Purchase Order Attachment			
		<b>PJ</b>			Purchasing Specifications			
PWK 05	66	Identification Code Qualifier				X	ID	1 / 2
		<b>A1</b>			Approver ID			
PWK 06	67	Identification Code				X	AN	2 / 20

When PWK01=PJ, this element will carry one of the values: **YES** Formal acknowledgement required **NO** Formal acknowledgement not required

PWK 07 352 Description O AN 1 / 80

When PWK01=PJ, this element will carry the value "ACKNOWLEDGEMENT REQUIREMENT."  
 Notes: When this segment is used to indicate follow-up paperwork, only PWK01 is used. When it is used to indicate a formal acknowledgement requirement (X.12 865), all three elements are used.

Segment: **TD5** Carrier Details (Routing Sequence/Transit Time)

Position: 240 Loop:  
Level: Heading Usage:  
Optional Max Use: 12

Purpose: To specify the carrier, sequence of routing, and to provide transit time information.

Additionally, Refer to [www.routingguides.com](http://www.routingguides.com)

Reference	Element	Length	Designator	Number	Name	Req.	Type	Min/Max
TD5 01	133	Routing Sequence Code				O	ID	1 / 2
		<b>B</b> Origin/Delivery Carrier (Any mode)						
TD5 05	387	Routing Information				C	AN	1 / 35

Segment: **N9** Reference Identification

Position: 280  
 Loop: N9  
 Level: Heading  
 Usage: Optional  
 Max Use: 1 (Loop max = 1000)

Purpose: To transmit identifying numbers and descriptive information as specified by the reference number qualifier. Notes: Bell Helicopter uses the N9 loop to carry PO-level notes and instructions. In the future, Bell Helicopter will also use this segment to convey shipping instructions.

Reference Element	Length	Designator	Number	Name	Req.	Type	Min/Max
N9 01	128	Reference Number Qualifier			M	ID	2 / 3
		<b>PO</b>	Purchase Order				
		<b>TH</b>	Transportation Account Code				
N9 02	127	Reference Number			X	AN	1 / 30
			When N901=PO, this element contains the purchase order number from BCH03.				
			When N901=TH, this element is not used.				
N9 03	369	Free-form Description			X	AN	1 / 45
			When N901=PO, this element carries the text "Purchase Order Notes and Instructions".				
			When N901=TH, this element contains the text "Shipping Instructions".				

Segment: **MSG** Message Text

Position: 290

Loop: N9

Level: Heading

Usage: Optional

Max Use: 1000

Purpose: To provide a free form format that would allow the transmission of text information.

Notes: Bell Helicopter uses this segment to convey PO-level notes and instructions.

**Reference Element Length Designator Number Name Req. Type Min/Max**

MSG 01 933	Free-Form Message Text characters per message line.	M	AN 1 / 264	Bell will only use 80
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Segment: **N1 Name**

Position: 310  
 Loop: N1  
 Level: Heading  
 Usage: Optional  
 Max Use: 1, max loop count = 200

Purpose: To identify a party by type of organization, name, and code.

Notes: There will be three iterations of the N1 loop. One iteration will be used to identify the ship-to point for the product(s) ordered. The other iteration will be used to convey the Bell Helicopter identifier/signature. The third iteration will be used to convey the buyer code of the Bell buyer issuing the order.

**Reference Element Length Designator Number Name Req. Type Min/Max Notes:**

N1 01	98	Entity Identification Code	M	ID	2 / 3	
		<b>41</b> Submitter				
		<b>ST</b> Ship-to				
		<b>BY</b> Buying Party (Purchaser)				
N1 02	93	Name				This element will be used when N101=BY and will contain the name of the Bell buyer.
N1 03	66	Identification Qualifier	C	ID	1 / 2	
		<b>54</b> Warehouse (to be understood as "Bell Plant Number")				<i>This code will be used when N101=ST.</i>
		<b>92</b> Assigned by Buyer				<i>This code will be used when N101=BY</i>
		<b>93</b> Assigned by Originator				<i>This code will be used when N101=41</i>
N1 04	67	Identification Code	C	ID	2 / 80	
		When N101=BY, this element will contain the Bell buyer's numeric identifier (buyer code).				
		When N101=ST, this element will contain the Bell Helicopter plant number to which the product(s) should be shipped. Ship-to addresses associated with the plant numbers are listed below.				
		When N101=41, this element will contain Bell Helicopter's identifier (signature). The value will be <b>BHT-EDI</b> .				

1. Street addresses for Bell Helicopter plant numbers are:

<b>Plant</b>	<b>Company</b>	<b>Legacy Plant</b>	<b>Street Address</b>	<b>Drop Shipment</b>
3974	MIR		776 Henrietta Creek Rd #100 Roanoke, TX 76262	Y
3975	FTW	3	3200 High River Road, Ste 100 Fort Worth, TX 76155	
3980	FTW	8	776 Henrietta Creek Rd Roanoke, TX 76262	
3981	MIR		12,800 rue de l'Avenir Mirabel, Quebec J7J 1R4	
3982	FTW	7	13901 Aviator Way Fort Worth, TX 76177	
3993	FTW	J	4900 Airport Freeway Ft. Worth, TX 76117-6248	
3994	FTW	A	10902 Airport Blvd (Building 9) Amarillo, TX 79111	
3995	FTW	2	3000 S. Norwood Hurst, TX 76053-8099	
3996	FTW	6	600 Interstate 20 E. Arlington, TX 76018-1127	
3997	FTW FTW	5A 5	1700 N. Hwy. 360 Grand Prairie, TX 75050-1926	
3999	FTW	1	600 E. Hurst Blvd. Hurst, TX 76053-8099	

Segment: **PO1** Purchase Order Baseline Item

Position: 010

Loop: PO1

Level: Detail

Usage: Mandatory

Max Use: 1 per loop. Max Loop Count = 100,000

Purpose: To specify basic and most frequently used purchase order line item data. Notes: JIT orders will contain only those elements through PO1 09.

PO1 01	350	Line Item Value	O	AN	1 / 20
PO1 02	330	Quantity Ordered Allow up to four decimal places.	X	R	1 / 15
PO1 03	355	Unit of Measure	O	ID	2 / 2
PO1 04	212	Unit Price Allow up to four decimal places.	X	R	1 / 17
PO1 06	235	Product/Service ID Qualifier <b>VP</b> Vendor's (Seller's) part number	X	ID	2 / 2
PO1 07	234	Product/Service ID This element contains the vendor's part number	X	AN	1 / 48
PO1 08	235	Product/Service ID Qualifier <b>BP</b> Buyer's Part Number <i>For Z-type items, the Extraneous Charge Code will appear here. Extraneous charge codes follow this page.</i>	X	ID	2 / 2
PO1 09	234	Product/Service ID Bell Helicopter Part Number or Material Code	X	AN	1 / 48
PO1 10	235	Product/Service ID Qualifier <b>PD</b> Part Number Description	X	ID	2 / 2
PO1 11	234	Product/Service ID	X	AN	1 / 48
PO1 12	235	Product/Service ID Qualifier <b>MG</b> Manufacturer's part number, or Std. & Vendor number	X	ID	2 / 2
PO1 13	234	Product/Service ID	X	AN	1 / 48
PO1 14	235	Product/Service ID Qualifier DR Design Number	X	ID	2 / 2
PO1 15	234	Product/Service ID	X	AN	1 / 48

Fort Worth

<b>Material</b>	<b>Description</b>
FW N/R CODE A	TEST, S/U & N/R CHARGES FOR PROC EXPENSE
FW N/R CODE B	ENGINEERING R & D CHARGE
FW N/R CODE C	TERMINATION / CANCELATION CHARGE
FW N/R CODE D	PREMIUM OVERTIME / EXPEDITE CHARGE
FW N/R CODE E	RETURNABLE CONTAINERS & PALLETS CHARGE
FW N/R CODE F	INCOMING / LOST FREIGHT / FREIGHT CREDIT
FW N/R CODE G	REWORK SCRAP AT BELL
FW N/R CODE H	RETROACTIVE ESCALATION ADJUSTMENT
FW N/R CODE I	CUSTOMIZING / KIT CHARGE
FW N/R CODE J	SPECIAL PACKAGING CHARGE
FW N/R CODE K	FAI / PLANNING FIRST BUY CHARGE

Mirabel

<b>Material</b>	<b>Material description</b>
<b>MIR N/R CODE A</b>	TEST, S/U & N/R CHARGES FOR PROC EXPENSE
MIR N/R CODE B	ENGINEERING R & D CHARGE
MIR N/R CODE C	TERMINATION / CANCELATION CHARGE EXPENSE
MIR N/R CODE D	PREMIUM OVERTIME / EXPEDITE CHARGE
MIR N/R CODE E	RETURNABLE CONTAINERS & PALLETS CHARGES
MIR N/R CODE F	INCOMING / LOST FREIGHT / FREIGHT CREDIT
MIR N/R CODE G	REWORK SCRAP AT BELL
MIR N/R CODE H	RETROACTIVE ESCALATION ADJUSTMENT
MIR N/R CODE I	CUSTOMIZING / KIT CHARGE
MIR N/R CODE J	SPECIAL PACKAGING CHARGE
MIR N/R CODE K	FAI / PLANNING FIRST BUY CHARGE

Segment: **PID** Product/Item Description

Position: 050

Loop: PID Level: Detail Usage:

Optional Max Use: 1 per loop, loop max count = 1000

Purpose: To describe a product or process in coded or free-form format. Notes:  
When flight safety information is sent, it will occur in this segment. This segment  
is also used to convey additional information about the product being ordered.

PID 01	349	Item Description Type	M	ID	1 / 1
		<b>F</b> Free-form Message			

PID 02	750	Product/Process Character Code	O	ID	2 / 3
		<b>99</b> Precautionary instructions, such as Flight Safety, Primary, and Critical			

*This element will be used only as needed. If  
PID05  
does not contain precautionary instructions, this element  
will be not be transmitted.*

PID 05	352	Description	X	AN	1 / 80
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Segment: **REF** Reference Identification

Position: 100

Loop: PO1

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To specify identifying numbers

Notes:

<b>Reference Designator</b>	<b>Element Number</b>	<b>Name</b>	<b>Req.</b>	<b>Type</b>	<b>Length Min/Max</b>
REF 01	128	Reference Number Qualifier <b>S3</b> General specification number	M	ID	2 / 3
REF 02	127	Reference Number	X	AN	1 / 30

Segment: **SAC** Service, Promotion, Allowance, or charge Information

Position: 130

Loop: SAC Level:

Detail Usage: Optional

Max Use: 1 per loop, max loop count = 25

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge. Notes: This segment is used to specify that conformity, reconformity, or source inspections are required. If these services are not required, this segment will not be sent.

SAC 01 248 Allowance/Charge Indicator M ID 1 / 1

**A** Allowance to be determined

**C** Charge

**N** No allowance or charge

SAC 02 1300 Service/Allowance Charge Code X ID 4 / 4

**B020** Certificate of Conformance

**D370** Government Inspection Required

**G990** Source Inspection

SAC 08 118 Rate

SAC 12 331 Method of Handling Code O ID 2 / 2

**05** Charge to be paid by vendor

**06** Charge to be paid by customer

**07** Site inspection payment

SAC 15 352 Allowance/Charge Description X AN 1 / 80 See notes 1-4 below.

Segment: **DTM** Date/Time Reference

Position: 210  
Loop: POC  
Level: Detail  
Usage: Optional  
Max Use: 10

Purpose: To specify pertinent dates and times. Notes: This segment is only used to transmit reconformity expiration dates (SAC15 = RECONFORMITY).

<b>Reference Designator</b>	<b>Element Number</b>	<b>Name</b>	<b>Req.</b>	<b>Type</b>	<b>Length Min/Max</b>
DTM 01	374	Date/Time Qualifier <b>036</b> Expiration	M	ID	3 / 3
DTM 02	373	Reconformity date	X	DT	8 / 8

Segment: **SCH** Line Item Schedule

Position: 295

Loop: SCH

Level: Detail

Usage: Optional

Max Use: 1 per loop, max loop count = 200

Purpose: To specify the data for scheduling a specific line item.

Notes:

SCH 02 355 Unit of Measurement M ID 2 / 2

SCH 05 374 Date/Time Qualifier M ID 3 / 3

**002** Date Requested (on dock)

**007** Effective Date

(Used only by Bell Helicopter Canada to indicate the effective date of the MEPI listed in SCH11.)

SCH 06 373 Scheduled Delivery Date M DT 8 / 8

SCH 11 326 Request Reference Number O AN 1 / 45 Bell Canada only. This element will contain the MEPI and physical change number associated with the item/quantity being scheduled.

Segment: **N9** Reference Identification

Position: 320 Loop: N9

Level: Detail Usage: Optional

Max Use: 1 (Loop max = 1000)

Purpose: To transmit identifying numbers and descriptive information as specified by the reference number qualifier. Notes: Bell Helicopter uses this N9 loop to carry line item-level notes and instructions.

N9 01	128	Reference Number Qualifier <b>BV</b> PO line item (buyer)	M	ID	2 / 2
N9 02	127	Reference Number This element contains the purchase order line item number from POC01.	X	AN	1 / 30
N9 03	369	Free-form Description This element carries the text "Line Item Notes and Instructions".	X	AN	1 / 45

Segment: **MSG** Message Text

Position: 330

Loop: N9 Level:

Detail Usage: Optional

Max Use: 1000

Purpose: To provide a free form format that would allow the transmission of text information. Notes: Bell Helicopter uses this segment to convey PO-level notes and instructions.

MSG 01 933 Free-Form Message Text M AN 1 / 264 Bell will only use 80 characters per message line.

Segment: **CTT** Transaction Totals

Position: 010

Loop: CTT

Level: Summary

Usage: Mandatory

Max Use: 1

Purpose: To transmit a hash total for a specific element in the transaction set. Notes:

Segment: **AMT** Monetary Amount

Position: 020

Loop:

Level: Summary

Usage: Optional

Max Use: 1

Purpose: To indicate the total monetary amount.

Notes:

Reference Designator	Element Number	Name	Req.	Type	Length Min/Max
AMT 01	522	Amount Qualifier Code	M	ID	1 / 2
		<b>TT</b> Total Transaction Amount			
AMT 02	782	Monetary Amount	M	R	1 / 15

**Note:**

1. **AMT02:** This value reflects the total value of the purchase order.