Oshkosh Corporation 850 Purchase Order

AIAG X12/V4010/850: Purchase Order

Version: 1.0 Final

Company:	**Oshkosh Corporation**
Publication:	**12/15/2011**
Modified:	**9/16/2019**

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850 Purchase Order

Functional Group=PO

Purpose: This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Transaction Set (850) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the placement of purchase orders for goods and services. This transaction set should not be used to convey purchase order changes or purchase order acknowledgment information.

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	ST	Transaction Set Header	M	1			Must use
020	BEG	Beginning Segment for Purchase Order	M	1			Must use
050	REF	Reference Identification	O	>1			Used
060	PER	Administrative Communications Contact	O	3			Used
080	FOB	F.O.B. Related Instructions	O	>1			Used
130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1			Used
240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12			Used
LOOP ID - N9					**1000**		
295	N9	Reference Identification	O	1			Used
300	MSG	Message Text	O	1000			Used
LOOP ID - N1					**200**		
310	N1	Name	O	1			Used
320	N2	Additional Name Information	O	2			Used
330	N3	Address Information	O	2			Used
340	N4	Geographic Location	O	>1			Used

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - PO1					**100000**	**N2/010L**	
010	PO1	Baseline Item Data	M	1		N2/010	Must use
LOOP ID - PID					**1000**		
050	PID	Product/Item Description	O	1			Used
090	PO4	Item Physical Details	O	>1			Used
100	REF	Reference Identification	O	>1			Used
289	MSG	Message Text	O	>1			Used
LOOP ID - SCH					**200**	**N2/295L**	
295	SCH	Line Item Schedule	M	1		N2/295	Used
297	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12			Used
LOOP ID - N9					**1000**		
330	N9	Reference Identification	O	1			Used

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
340	MSG	Message Text	O	1000			Used

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - CTT					**1**	**N3/010L**	
010	CTT	Transaction Totals	O	1		N3/010	Used
030	SE	Transaction Set Trailer	M	1			Must use

ST   Transaction Set Header

Pos: 010	**Max: 1**
Heading - Mandatory	
Loop: N/A	**Elements: 2**

User Option (Usage): Must use

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST01	143	**Transaction Set Identifier Code**	M	ID	3/3	Must use

Code	Name
850	Purchase Order

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST02	329	**Transaction Set Control Number**	M	AN	4/9	Must use

BEG   Beginning Segment for Purchase Order

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

User Option (Usage): Must use

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BEG01	353	**Transaction Set Purpose Code**	M	ID	2/2	Must use

Code	Name
00	Original

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BEG02	92	**Purchase Order Type Code**	M	ID	2/2	Must use

Please Note: *If BEG02 = DS, please use the full address in the Ship-to N3 and N4 as the Ship-to Address*

Code	Name
BE	Blanket Order/Estimated Quantities (Not firm Commitment)
DS	Dropship
OS	Special Order
RL	Release or Delivery Order
SA	Stand-alone Order

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BEG03	324	**Purchase Order Number**	M	AN	1/22	Must use

Please Note: *For a blanket PO, this will contain the blanket PO number*
For a Spot Buy PO, this will contain the complete PO/Release Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BEG04	328	**Release Number**	O	AN	1/30	Used

Please Note: *For a Release off a Blanket PO, this will contain the Release number. This should be returned in the PRF02 in the EDI 856 ASN.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BEG05	373	**Date**	M	DT	8/8	Must use

REF Reference Identification

<table>
<tr><td>Pos: 050</td><td>Max: >1</td></tr>
<tr><td colspan="2">Heading - Optional</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 4</td></tr>
</table>

User Option (Usage): Used

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Code	Name
VX	Value-Added Tax Registration Number (Europe)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Identification**	X	AN	1/30	Used
REF03	352	**Description**	X	AN	1/80	Not used
REF04	C040	**Reference Identifier**	O	Comp		Not used
REF04-01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use
		All valid standard codes are used.				
REF04-02	127	**Reference Identification**	M	AN	1/30	Must use
REF04-03	128	**Reference Identification Qualifier**	X	ID	2/3	Used
		All valid standard codes are used.				
REF04-04	127	**Reference Identification**	X	AN	1/30	Used
REF04-05	128	**Reference Identification Qualifier**	X	ID	2/3	Used
		All valid standard codes are used.				
REF04-06	127	**Reference Identification**	X	AN	1/30	Used

PER Administrative Communications Contact

Pos: 060	Max: 3
Heading - Optional	
Loop: N/A	Elements: 9

User Option (Usage): Used

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER01	366	**Contact Function Code**	M	ID	2/2	Must use

Code Name
BD   Buyer Name or Department

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER02	93	**Name**	O	AN	1/60	Used
PER03	365	**Communication Number Qualifier**	X	ID	2/2	Used

Code Name
EM   Electronic Mail

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER04	364	**Communication Number**	X	AN	1/80	Used
PER05	365	**Communication Number Qualifier**	X	ID	2/2	Used

Code Name
TE   Telephone

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER06	364	**Communication Number**	X	AN	1/80	Used
PER07	365	**Communication Number Qualifier**	X	ID	2/2	Not used

All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER08	364	**Communication Number**	X	AN	1/80	Not used
PER09	443	**Contact Inquiry Reference**	O	AN	1/20	Not used

FOB F.O.B. Related Instructions

Pos: 080 **Max: >1**
Heading - Optional
Loop: N/A **Elements: 5**

User Option (Usage): Used

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
FOB01	146	**Shipment Method of Payment**	M	ID	2/2	Must use

Code **Name**
CC   Collect

Ref	Id	Element Name	Req	Type	Min/Max	Usage
FOB02	309	**Location Qualifier**	X	ID	1/2	Used

Code **Name**
DE   Destination (Shipping)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
FOB03	352	**Description**	O	AN	1/80	Used
FOB04	334	**Transportation Terms Qualifier Code**	O	ID	2/2	Not used

All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
FOB05	335	**Transportation Terms Code**	X	ID	3/3	Not used

All valid standard codes are used.

ITD Terms of Sale/Deferred Terms of Sale

Pos: 130	**Max: >1**
Heading - Optional	
Loop: N/A	**Elements: 7**

User Option (Usage): Used

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD01	336	**Terms Type Code**	O	ID	2/2	Used

Code	Name
01	Basic

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD02	333	**Terms Basis Date Code**	O	ID	1/2	Used

Code	Name
3	Invoice Date

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD03	338	**Terms Discount Percent**	O	R	1/6	Used
ITD04	370	**Terms Discount Due Date**	X	DT	8/8	Used
ITD05	351	**Terms Discount Days Due**	X	N0	1/3	Used
ITD06	446	**Terms Net Due Date**	O	DT	8/8	Not used
ITD07	386	**Terms Net Days**	O	N0	1/3	Used

TD5 Carrier Details (Routing Sequence/Transit Time)

Pos: 240	Max: 12
Heading - Optional	
Loop: N/A	Elements: 15

User Option (Usage): Used

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD501	133	**Routing Sequence Code**	O	ID	1/2	Used

Code	Name
B	Origin/Delivery Carrier (Any Mode)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD502	66	**Identification Code Qualifier**	X	ID	1/2	Used

Code	Name
2	Standard Carrier Alpha Code (SCAC)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD503	67	**Identification Code**	O	AN	2/80	Used
TD504	91	**Transportation Method/Type Code**	X	ID	1/2	Not used

Code	Name
A	Air
E	Expedited Truck
H	Customer Pickup
L	Contract Carrier
M	Motor (Common Carrier)
P	Private Carrier
R	Rail
S	Ocean
T	Best Way (Shippers Option)
U	Private Parcel Service
AC	Air Charter
AE	Air Express
SR	Supplier Truck

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD505	387	**Routing**	X	AN	1/35	Not used
TD506	368	**Shipment/Order Status Code**	X	ID	2/2	Not used

All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD507	309	**Location Qualifier**	O	ID	1/2	Not used

All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD508	310	**Location Identifier**	X	AN	1/30	Not used
TD509	731	**Transit Direction Code**	O	ID	2/2	Not used

All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD510	732	**Transit Time Direction Qualifier**	O	ID	2/2	Not used

All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD511	733	**Transit Time**	X	R	1/4	Not used
TD512	284	**Service Level Code**	X	ID	2/2	Not used
		All valid standard codes are used.				
TD513	284	**Service Level Code**	X	ID	2/2	Not used
		All valid standard codes are used.				
TD514	284	**Service Level Code**	O	ID	2/2	Not used
		All valid standard codes are used.				
TD515	26	**Country Code**	O	ID	2/3	Not used

N9 Reference Identification

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

User Option (Usage): Used

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N901	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Code	Name
3L	Branch Identifier
PO	Purchase Order Number
RE	Release Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N902	127	**Reference Identification**	X	AN	1/30	Used

Please Note: *Purchase Order Number*

MSG   Message Text

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

User Option (Usage): Used

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MSG01	933	**Free-Form Message Text**	M	AN	1/264	Must use

N1 Name

Pos: 310	Max: 1
Heading - Optional	
Loop: N1	**Elements: 6**

User Option (Usage): Used

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	98	**Entity Identifier Code**	M	ID	2/3	Must use

Code	Name
BT	Bill-to-Party
ST	Ship To
SU	Supplier/Manufacturer

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N102	93	**Name**	X	AN	1/60	Used
N103	66	**Identification Code Qualifier**	X	ID	1/2	Used

Please Note: *ZZ Qualifier Denotes a Drop-Ship Location*
Please use the Ship-to address provided in the N3 and N4 instead of the address associated with the code in the N104

Code	Name
92	Assigned by Buyer or Buyer's Agent
ZZ	Mutually Defined

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N104	67	**Identification Code**	X	AN	2/80	Used

Please Note: *Please use the N3 and N4 Ship-to Address for all Drop-Ship Purchase Orders*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N105	706	**Entity Relationship Code**	O	ID	2/2	Not used

All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N106	98	**Entity Identifier Code**	O	ID	2/3	Not used

All valid standard codes are used.

N2 Additional Name Information

Pos: 320	**Max: 2**
Heading - Optional	
Loop: N1	**Elements: 2**

User Option (Usage): Used

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N201	93	**Name**	M	AN	1/60	Must use
N202	93	**Name**	O	AN	1/60	Used

N3　Address Information

Pos: 330	Max: 2
Heading - Optional	
Loop: N1	**Elements: 2**

User Option (Usage): Used

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N301	166	**Address Information**	M	AN	1/55	Must use
N302	166	**Address Information**	O	AN	1/55	Used

Please Note:

If Drop-Ship PO, please use the address in the N3 and N4 as the Ship-to Address

N4 Geographic Location

Pos: 340	Max: >1
Heading - Optional	
Loop: N1	**Elements: 6**

User Option (Usage): Used

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N401	19	**City Name**	O	AN	2/30	Used
N402	156	**State or Province Code**	O	ID	2/2	Used
N403	116	**Postal Code**	O	ID	3/15	Used
N404	26	**Country Code**	O	ID	2/3	Used
N405	309	**Location Qualifier**	X	ID	1/2	Not used
		All valid standard codes are used.				
N406	310	**Location Identifier**	O	AN	1/30	Not used

PO1   Baseline Item Data

Pos: 010	Max: 1
Detail - Mandatory	
Loop: PO1	**Elements: 13**

User Option (Usage): Must use

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO101	350	**Assigned Identification**	M	AN	1/20	Must use
		Please Note: *Oshkosh will always send the PO Line number in this element.*				
PO102	330	**Quantity Ordered**	M	R	1/15	Used
		Please Note: *If the PO is a Blanket Purchase Order, the PO Quantity Ordered will be zero*				
PO103	355	**Unit or Basis for Measurement Code**	O	ID	2/2	Used
		All valid standard codes are used.				
PO104	212	**Unit Price**	X	R	1/17	Used
PO105	639	**Basis of Unit Price Code**	O	ID	2/2	Not used
PO106	235	**Product/Service ID Qualifier**	X	ID	2/2	Used

Code	Name
BP	Buyer's Part Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO107	234	**Product/Service ID**	X	AN	1/48	Used
		Please Note: *Buyer Part Number*				
PO108	235	**Product/Service ID Qualifier**	X	ID	2/2	Used

Code	Name
VP	Vendor's (Seller's) Part Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO109	234	**Product/Service ID**	X	AN	1/48	Used
		Please Note: *Vendor Part Number*				
PO110	235	**Product/Service ID Qualifier**	X	ID	2/2	Used

Code	Name
A2	Department of Defense Identification Code (DoDIC)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO111	234	**Product/Service ID**	X	AN	1/48	Used
		Please Note: *Defense Rating (dodr)*				
PO112	235	**Product/Service ID Qualifier**	X	ID	2/2	Used

Code	Name
A2	Department of Defense Identification Code (DoDIC)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO113	234	**Product/Service ID**	X	AN	1/48	Used
		Please Note: *Defense Rating (dodr)*				

Ref	**Id**	**Element Name**	**Req**	**Type**	**Min/Max**	**Usage**

PID   Product/Item Description

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

User Option (Usage): Used

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID01	349	**Item Description Type**	M	ID	1/1	Must use

Code	Name
F	Free-form

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID05	352	**Description**	X	AN	1/80	Used

PO4   Item Physical Details

Pos: 090	**Max: >1**
Detail - Optional	
Loop: PO1	**Elements: 1**

User Option (Usage): Used

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO401	356	**Pack**	O	N0	1/6	Used

REF   Reference Identification

Pos: 100	**Max: >1**
Detail - Optional	
Loop: PO1	**Elements: 4**

User Option (Usage): Used

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Code	Name
RS	Returnable Container Serial Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Identification**	X	AN	1/30	Used
REF03	352	**Description**	X	AN	1/80	Used
REF04	C040	**Reference Identifier**	O	Comp		Used
REF04-01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Code	Name
ZZ	Mutually Defined

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF04-02	127	**Reference Identification**	M	AN	1/30	Must use

MSG Message Text

User Option (Usage): Used

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MSG01	933	**Free-Form Message Text**	M	AN	1/264	Must use

SCH Line Item Schedule

<table>
<tr><td>Pos: 295</td><td>Max: 1</td></tr>
<tr><td colspan="2">Detail - Mandatory</td></tr>
<tr><td>Loop: SCH</td><td>Elements: 9</td></tr>
</table>

User Option (Usage): Used

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SCH01	380	**Quantity**	M	R	1/15	Must use
SCH02	355	**Unit or Basis for Measurement Code**	M	ID	2/2	Must use
		All valid standard codes are used.				
SCH03	98	**Entity Identifier Code**	O	ID	2/3	Used

Code Name
ST   Ship To

| SCH04 | 93 | **Name** | X | AN | 1/60 | Used |
| SCH05 | 374 | **Date/Time Qualifier** | M | ID | 3/3 | Must use |

Code Name
002   Delivery Requested
106   Required By

| SCH06 | 373 | **Date** | M | DT | 8/8 | Must use |

Please Note: *This element will contain the requested arrival-date*

| SCH08 | 374 | **Date/Time Qualifier** | X | ID | 3/3 | Used |

Code Name
010   Requested Ship

| SCH09 | 373 | **Date** | X | DT | 8/8 | Used |

Please Note: *This element will contain the ship-date*

| SCH12 | 350 | **Assigned Identification** | M | AN | 1/20 | Used |

Please Note: *Oshkosh will always send the Shipment Number in this element. This is expected back in the SN101 of the EDI 856 ASN.*

TD5 Carrier Details (Routing Sequence/Transit Time)

User Option (Usage): Used

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD502	66	**Identification Code Qualifier**	X	ID	1/2	Used

Code	Name
ZZ	Mutually Defined

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD503	67	**Identification Code**	X	AN	2/80	Used
TD510	732	**Transit Time Direction Qualifier**	O	ID	2/2	Used

Code	Name
WD	Working Days (Excludes weekends and holidays)

Please Note:

WD = Working Days (Excludes weekends and holidays)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD511	733	**Transit Time**	X	R	1/4	Used

Please Note: *This element contains the number of transit days - excluding holidays and weekends*

N9 Reference Identification

Pos: 330	**Max: 1**
Detail - Optional	
Loop: N9	**Elements: 3**

User Option (Usage): Used

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N901	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Please Note: *89 = Kit ID*
BO = Bin Location Number
LU = Location Number
KD = Special Paint Color
R1=Current Revision Number

Code Name
55   Sequence Number
89   Assembly Number
BO   Bin Location Number
EV   Receiver Identification Number
KD   Special Instructions Number
LU   Location Number
MO   Manufacturing Operation Number
R1   Current Revision Number
ZZ   Mutually Defined

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N902	127	**Reference Identification**	X	AN	1/30	Used
N907	C040	**Reference Identifier**	O	Comp		Used
N907-01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Please Note: *ZZ = Shipment Number*

Code Name
ZZ   Mutually Defined

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N907-02	127	**Reference Identification**	M	AN	1/30	Must use

Please Note: *This element will contain the shipment number of the line for this attribute*

MSG Message Text

Pos: 340	**Max: 1000**
Detail - Optional	
Loop: N9	**Elements: 3**

User Option (Usage): Used

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MSG01	933	**Free-Form Message Text**	M	AN	1/264	Must use
MSG02	934	**Printer Carriage Control Code**	X	ID	2/2	Not used
		All valid standard codes are used.				
MSG03	1470	**Number**	O	N0	1/9	Not used

CTT **Transaction Totals**

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

User Option (Usage): Used

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTT01	354	**Number of Line Items**	M	N0	1/6	Must use

SE **Transaction Set Trailer**

Pos: 030	**Max: 1**
Summary - Mandatory	
Loop: N/A	**Elements: 2**

User Option (Usage): Must use

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SE01	96	**Number of Included Segments**	M	N0	1/10	Must use
SE02	329	**Transaction Set Control Number**	M	AN	4/9	Must use