850 - KI Outbound Purchase Order for Raw Materials Vendors
ANSI X12 Version 4010 850
Revision Date: 10/14/10

HEADER LEVEL INFORMATION

ST Segment: Transaction Set Header

Element Position	ID	Element Attributes	Name	Value / Comments
ST01	143	M ID 3/3	Transaction Set Identifier Code	"850": Purchase Order
ST02	329	M AN 4/9	Transaction Set Control Number	Sequential control number

BEG Segment: Beginning Segment for Purchase Order

Element Position	ID	Element Attributes	Name	Value / Comments
BEG01	353	M ID 2/2	Transaction Set Purpose Code	"00" : Original
BEG02	92	M ID 2/2	Purchase Order Type Code	"SA": Stand-Alone Order
BEG03	324	M AN 1/22	Purchase Order Number	PO number
BEG05	373	M DT 8/8	Date	Purchase Order Date

CUR Segment: Currency

Element Position	ID	Element Attributes	Name	Value / Comments
CUR01	98	M ID 2/3	Entity ID Code	"BY" : Buying party
CUR02	100	M ID 3/3	Currency Code	Currency Code List of std values potentially transmitted: BLF Belgian Franc CDN Canadian Dollar CST US Dollar Cost (export) DEM Duetsche Marks EUR Euro FRF French Franc GBP British Pounds IEP Irish Punts LIR Lira NLG Nether Guilder SWF Swiss Franc USD U.S. Dollar

REF Segment: Reference Identification

Element Position	ID	Element Attributes	Name	Value / Comments
REF01	128	X ID 2/3	Reference ID Qualifier	"IA": Vendor Number
REF02	127	X ANN 1/30	Reference ID	KI's Vendor Number

PER Segment: Administrative Communications

Element Position	ID	Element Attributes	Name	Value / Comments
PER01	366	M ID 2/2	Contact Function Code	"BD": Buyer name or Department
PER02	93	O AN 1/60	Name	Buyer 's name

FOB Segment: F.O.B. Related Instructions

Element Position	ID	Element Attributes	Name	Value / Comments
FOB01	146	M ID 2/2	Shipment Method of Payment	List of std values potentially transmitted: CC – collect DF – Defined by buyer and seller (also the default if po doesn't specify) PC – prepaid, charged to the customer PP – prepaid by seller PU – pickup PS – paid by seller
FOB02	309	X ID 1/2	Location Qualifier	List of std values potentially transmitted: "DE": Destination "OR": Origin
FOB03	352	AN 1/80	Description	Location associated with Destination or Origin Will include City and State.

SAC Segment: Service, Promotion, Allowance or Charge Information (PO Level. Sales Tax, if applicable)

Element Position	ID	Element Attributes	Name	Value / Comments
SAC01	248	M ID 1/1	Allowance or Charge Indicator	"C": Charge
SAC02	1300	X ID 4/4	Service, Promotion, Allowance, or Charge Code	"H750": Tax – Sales and Use
SAC05	610	O N2 1/15	Amount	Sales tax

ITD Segment: Terms of Sale

Element Position	ID	Element Attributes	Name	Value / Comments
ITD12	352	O AN 1/80	Description	Terms description

TD5 Segment: Carrier Details (Routing Sequence/ Transit Time)
This segment is optional and will not always be sent. If we have the information, we will send it. Either the SCAC
or the free-format carrier name, or both, may be sent.

Element Position	ID	Element Attributes	Name	Value / Comments
TD502	66	X ID 1 /2	Identification Code Qualifier	"2": Standard Carrier Alpha Code
TD503	67	X AN 2/80	Identification Code	SCAC
TD505	387	X AN 1/35	Routing	Ship Via

N9 Segment: Reference Identification (Start of Header level notes loop)

Element Position	ID	Element Attributes	Name	Value / Comments
N901	128	M ID 2/3	Reference ID Qualifier	"L1": Letters or Notes
N903	369	X AN 1/45	Free-form description	"Order Notes"

MSG Segment: Message Text (Header Level Notes. Repeating segment)

Element Position	ID	Element Attributes	Name	Value / Comments
MSG01	933	M AN 1/264	Free-Form Message Text	PO Notes or Vendor Notes The notes will not exceed 50 characters per line.

N1 Segment: Name (Bill To)

Element Position	ID	Element Attributes	Name	Value / Comments
N101	98	M ID 2/3	Entity Identifier Code	"BT" : Bill To
N102	93	M AN 1/60	Name	Bill to Name
N103	66	X ID 1/2	ID Code Qualifier	"92": Assigned by Buyer
N104	67	X AN 2/80	ID Code	KI Warehouse Code

N2 Segment: Additional Name Information (Bill To)

Element Position	ID	Element Attributes	Name	Value / Comments
N201	93	M ID 2/2	Name	Bill To Company Name

N3 Segment: Address Information (Bill To)

Element Position	ID	Element Attributes	Name	Value / Comments
N301	166	M AN 1/55	Address Information	Bill To Address line 1
N302	166	M AN 1/55	Address Information	Bill To Address line 2

N4 Segment: Geographic Location (Bill To)

Element Position	ID	Element Attributes	Name	Value / Comments
N401	19	O AN 2/30	City Name	Bill to City
N402	156	O ID 2/2	State or Province Code	Bill to State
N403	116	O ID 3/15	Postal Code	Bill to zip
N404	26	O ID 2/3	Country Code	Bill to country

N1 Segment: Name (Ship To)

Element Position	ID	Element Attributes	Name	Value / Comments
N101	98	M ID 2/3	Entity Identifier Code	"ST" : Ship To
N102	93	X AN 1/60	Name	Ship to name

N2 Segment: Additional Name Information (Ship To)

Element Position	ID	Element Attributes	Name	Value / Comments
N201	93	M ID 2/2	Name	Ship to Attention

N3 Segment: Address Information (Ship To)

Element Position	ID	Element Attributes	Name	Value / Comments
N301	166	M AN 1/55	Address Information	Ship to Address line 1
N302	166	M AN 1/55	Address Information	Ship to Address line 2

N4 Segment: Geographic Location (Ship To)

Element Position	ID	Element Attributes	Name	Value / Comments
N401	19	O AN 2/30	City Name	Ship to City
N402	156	O ID 2/2	State or Province Code	Ship to State
N403	116	O ID 3/15	Postal Code	Ship to zip
N404	26	O ID 2/3	Country Code	Ship to country

N1 Segment: Name (Vendor)

Element Position	ID	Element Attributes	Name	Value / Comments
N101	98	M ID 2/3	Entity Identifier Code	"VN" : Vendor
N102	93	X AN 1/60	Name	Vendor Name
N103	66	X ID 1/2	ID Code Qualifier	"92": Assigned by Buyer
N104	67	X AN 2/80	ID Code	KI Vendor Number

N3 Segment: Address Information (Vendor)

Element Position	ID	Element Attributes	Name	Value / Comments
N301	166	M AN 1/55	Address Information	Vendor Address line 1
N302	166	M AN 1/55	Address Information	Vendor Address line 2

N4 Segment: Geographic Location (Vendor)

Element Position	ID	Element Attributes	Name	Value / Comments
N401	19	O AN 2/30	City Name	Vendor City
N402	156	O ID 2/2	State or Province Code	Vendor State
N403	116	O ID 3/15	Postal Code	Vendor zip
N404	26	O ID 2/3	Country Code	Vendor country

START OF PO1 LOOP
Note: the following segments, from PO1 to MSG, are within the PO1 (detail loop).

PO1 Segment: Baseline Item Data

Element Position	ID	Element Attributes	Name	Value / Comments
PO101	350	O AN 1/20	Assigned ID	PO line number
PO102	330	X R 1/15	Quantity Ordered	Quantity Ordered
PO103	355	O ID 2/2	Unit of Measurement	Unit of Measurement List of std values potentially transmitted: BF –board feet BG – gab BX – box CF – cubic feet DZ – dozen EA – each FT – foot GA – gallon IN – inch KG – kilogram LB – pound LF – linear foot LT – liter OZ – ounce PR – pair PT – pint QT – quart RL – roll SF – square foot SH – sheet YD – yard ZZ – mutually defined (also the default if buyers po doesn't fit stds)
PO104	212	X R 1/17	Unit Price	Unit Price
PO106	235	X ID 2/2	Product / Service ID Qualifier	"BP" : Buyer's Part Number
PO107	234	X AN 1/48	Product / Service ID	KI part number
PO108	235	X ID 2/2	Product / Service ID Qualifier	"VN" : Vendor's Item number
PO109	234	X AN 1/48	Product / Service ID	Vendor's part number
PO110	235	X ID 2/2	Product / Service ID Qualifier	"MN" : Model number
PO111	234	X AN 1/48	Product / Service ID	BPCS Family (part of KI's product info)
PO112	235	X ID 2/2	Product / Service ID Qualifier	"PW" : Part Drawing number
PO113	234	X AN 1/48	Product / Service ID	Drawing number
PO114	235	X ID 2/2	Product / Service ID Qualifier	"DR" : Drawing revision number
PO115	234	X AN 1/48	Product / Service ID	Drawing revision number

PID Segment: Product / Item Description (free format item description; one occurrence)

Element Position	ID	Element Attributes	Name	Value / Comments
PID01	349	M ID 1/1	Item Description Type	"F": Free-form
PID02	750	Product/ Process Characteristic Code	O ID 2/3	"08" – Product Description
PID05	352	X AN 1/80	Description	Item description

PID Segment: Product / Item Description (configuration option; multiple occurrences. Configurable product only.)

Element Position	ID	Element Attributes	Name	Value / Comments
PID01	349	M ID 1/1	Item Description Type	"F": Free-form
PID02	750	Product/ Process Characteristic Code	O ID 2/3	"09" – Product Description
PID05	352	X AN 1/80	Description	Description of configurable options. Will contain a 15 character parent option, a 15 character child attribute abbreviation, and a 30 character child attribute description.

PID Segment: Product / Item Description (Pattern description; one occurrence. Fabric vendors only.)

Element Position	ID	Element Attributes	Name	Value / Comments
PID01	349	M ID 1/1	Item Description Type	"F" : free form
PID02	750	O ID 2/3	Product / Process Characteristic Code	"78": Pattern Description
PID05	352	X AN 1/80	Description	Pattern description

PID Segment: Product / Item Description (Color; one occurrence. Fabric vendors only.)

Element Position	ID	Element Attributes	Name	Value / Comments
PID01	349	M ID 1/1	Item Description Type	"F" – free form
PID02	750	O ID 2/3	Product / Process Characteristic Code	"35": Color
PID05	352	X AN 1/80	Description	Color

REF Segment: Reference Identification (Item Level. Customer Order Number.)

Element Position	ID	Element Attributes	Name	Value / Comments
REF01	128	M ID 2/3	Reference ID Qualifier	"CO": Customer Order #
REF02	127	X AN 1/30	Reference ID	Customer Order number (KI's Sales Order Number). Needs to be on labels.

REF Segment: Reference Identification (Item Level. Drawing File Name.)

Element Position	ID	Element Attributes	Name	Value / Comments
REF01	128	M ID 2/3	Reference ID Qualifier	"DW": Drawing Number
REF02	127	X AN 1/30	Reference ID	Drawing file name

SAC Segment: Service, Promotion, Allowance or Charge Information (Item Level)

Element Position	ID	Element Attributes	Name	Value / Comments
SAC01	248	M ID 1/1	Allowance or Charge Indicator	"C": Charge
SAC02	1300	X ID 4/4	Service, Promotion, Allowance, or Charge Code	Charge code List of std values potentially transmitted: A880 – cancellation charge C660 – engineering charge C870 – expediting fee D240 – freight related D540 – haz mat handling fee F050 – other F155 – packaging F550 – premium charge G760 – set-up I090 – tool charge I420 – up charge (default if buyers po doesn't match stds)
SAC05	610	O N2 1/15	Amount	Amount of charge
SAC15	352	X AN 1/80	Description	Charge description

DTM Segment: Date/Time Reference (Item level)

Element Position	ID	Element Attributes	Name	Value / Comments
DTM01	374	M ID 3/3	Date/Time Qualifier	"002": Delivery Requested
DTM02	373	X DT 8/8	Date	Vendor delivery date

MSG Segment: Message Text (Item Level)

Element Position	ID	Element Attributes	Name	Value / Comments
MSG01	933	M AN 1/264	Free-Form Message Text	PO line level notes. Will not exceed 50 characters per segment.

SUMMARY INFORMATION

CTT Segment: Transaction Totals

Element Position	ID	Element Attributes	Name	Value / Comments
CTT01	354	M N0 1/6	Number of line items	Number of PO1 segments.

AMT Segment: Monetary Amount

Element Position	ID	Element Attributes	Name	Value / Comments
AMT01	522	M ID 1/3	Amount Qualifier Code	"TT": Total transaction amount
AMT02	782	M R 1/18	Monetary Amount	Total amount due

SE Segment: Transaction Set Trailer

Element Position	ID	Element Attributes	Name	Value / Comments
SE01	96	M N0 1/10	Number of Included Segments	Number of segments in the transaction.
SE02	329	M AN 4/9	Transaction Set Control Number	Sequential control number

Sample EDI 850 Data
PO #s are bolded so you can follow each PO through the lifecycle.

The following PO has hard parts:
```
ST|850|0002~
BEG|00|SA|929512||20100903~
CUR|BY|USD~
REF|IA|029999~
PER|BD|Johanna·Garrigan~
FOB|DF~
SAC|C|H750|||275~
ITD|||||||||||||Upon·Receipt~
TD5|||||RDWY~
N9|L1|Order·Notes~
MSG|This·PO·is·for·Hard·Parts·--·EDI·Example.·PO·Header~
MSG|note.~
MSG|10/5/06~
MSG|KI's·standard·terms·&·conditions·apply·to·the~
MSG|purchase·order,·review·at·www.ki.com/supplierguide~
N1|BT|KI-Green·Bay|92|GB~
N3|P.O.·Box·8200~
N4|Green·Bay|WI|543088200|USA~
N1|ST|KI--Green·Bay~
N2|Receiving·Dock~
N3|1330·Bellevue·Street~
N4|Green·Bay|WI|54302|USA~
N1|VN|KI·EDI·TEST|92|029999~
N4|TIMBUCKTWO|NJ|54302|USA~
PO1|1|5000|EA|.005||BP|31.12.0949|||||PW|31-12-0949|DR|03
PID|F|08|||SCREW·.138·X·2"PFH·BLK~
REF|DW|31-12-0949~
REF|DW|31120949~
DTM|002|20100930~
MSG|This·is·a·line·note·for·line·1...·example~
MSG|Parts·must·be·manufactured·with·the·given·Drawing~
MSG|and·Revision·number~
PO1|2|5400|EA|.004||BP|12.0055|||||PW|12-0055|DR|00~
PID|F|08|||SCREW·--·10·x·1/2·PTH·BLK~
REF|DW|120055~
DTM|002|20100930~
MSG|Parts·must·be·manufactured·with·the·given·Drawing~
MSG|and·Revision·number~
PO1|3|1|EA|50||BP|GBSETUP~
PID|F|08|||SETUP·CHARGE·FROM·INVOICES~
REF|DW|120055~
DTM|002|20100930~
MSG|Parts·must·be·manufactured·with·the·given·Drawing~
MSG|and·Revision·number~
CTT|3~
AMT|TT|99.35~
SE|47|0002~
```

The following PO has configured items.
```
ST|850|0001~
BEG|00|SA|929513||20100903~
CUR|BY|USD~
REF|IA|029999~
PER|BD|Johanna·Garrigan~
FOB|DF~
ITD|||||||||||||Upon·Receipt~
TD5|||||KRGR~
```

```
N9|L1|Order·Notes~
MSG|PO·notes·can·tell·you·information·about·all·lines~
MSG|of·the·PO·or·will·be·updated·when·PO·changes·are~
MSG|made/show·approvals.~
MSG|10/5/06~
MSG|KI's·standard·terms·&·conditions·apply·to·the~
MSG|purchase·order,·review·at·www.ki.com/supplierguide~
N1|BT|KI-Green·Bay|92|GB~
N3|P.O.·Box·8200~
N4|Green·Bay|WI|543088200|USA~
N1|ST|KI-·Green·Bay~
N2|Receiving·Dock~
N3|1330·Bellevue·Street~
N4|Green·Bay|WI|54302|USA~
N1|VN|KI·EDI·TEST|92|029999~
N4|TIMBUCKTWO|NJ|54302|USA~
PO1|3|1|EA|45||BP|GBSETUP~
PID|F|08|||SETUP·CHARGE·FROM·INVOICES~
DTM|002|20100930~
PO1|4|68|EA|48.52||BP|UFTH/4644700003|||MN|UFTHR5PR|PW|RF-5|DR|01~
PID|F|08|||UF-TOP/UFRD5/8/PR/EBL/LBB~
PID|F|09|||UFRDPMODEL·····UFRD5/8········UNIFRAME·ROUND·60"W
/8·STOOLS~ PID|F|09|||UNFRMEDGE·······PR·············(PR)·PERFECT·EDGE~
PID|F|09|||UNFRMFINISH····CH·············(CH)·CHROME·FINISH~
PID|F|09|||UNFRMSTOOLTYPE·PY·············(PY)POLYPROPYLENE·STOOLS~
PID|F|09|||UNFRMHEIGHT····29·············(29)·29"TABLE·HEIGHT~
PID|F|09|||LAMCOLOR·······LBB·············BARCOO·BRUSH·4821-60~
PID|F|09|||UFPOLYCOLOR····PMR·············(PMR)·MARINE·TEAL·POLY·COLOR~
REF|DW|RF-5~
DTM|002|20100916~
MSG|UFRD5/8········:·UNIFRAME·ROUND·60"W/8·STOOLS~
MSG|PR·············:·(PR)·PERFECT·EDGE~
MSG|CH·············:·(CH)·CHROME·FINISH~
MSG|PY·············:·(PY)POLYPROPYLENE·STOOLS~        MSG|29·············:·(29)·29"TABLE·HEIGHT~
MSG|LBB·············:·BARCOO·BRUSH·4821-60~
MSG|PMR·············:·(PMR)·MARINE·TEAL·POLY·COLOR~
MSG|PMR·············:·SEAT·POLYSTOOL·MARINE·TEAL~
MSG|EBL·············:·(EBL)·BLACK·EDGE~
MSG|Family··········:·UFTHR5PR~
MSG|Parts·must·be·manufactured·with·the·given·Drawing~
MSG|and·Revision·number~
PO1|5|2|EA|48.52||BP|UFTH/4644700004|||MN|UFTHR5PR|PW|RF-5|D
R|01~
PID|F|08|||UF-TOP/WAUFRD5/PR/EBL/LBB~
PID|F|09|||UWRDNMODEL·····WAUFRD5········UNIFRAME·WA·RND·60"
W/O·SEATING~
PID|F|09|||UNFRMEDGE·······PR·············(PR)·PERFECT·EDGE~
PID|F|09|||UNFRMFINISH····CH·············(CH)·CHROME·FINISH~
PID|F|09|||UNFRMWAHEIGHT··31·············(31)·31"TABLE·HEIGHT~
PID|F|09|||LAMCOLOR·······LBB·············BARCOO·BRUSH·4821-0~
REF|DW|RF-5~
DTM|002|20100916~
MSG|WAUFRD5········:·UNIFRAME·WA·RND·60"W/O·SEATING~
MSG|PR·············:·(PR)·PERFECT·EDGE~
MSG|CH·············:·(CH)·CHROME·FINISH~
MSG|31·············:·(31)·31"TABLE·HEIGHT~
MSG|LBB·············:·BARCOO·BRUSH·4821-60~
MSG|EBL·············:·(EBL)·BLACK·EDGE~
MSG|Family··········:·UFTHR5PR~
MSG|Parts·must·be·manufactured·with·the·given·Drawing~
MSG|and·Revision·number~
CTT|3~
AMT|TT|3441.4~
SE|71|0001~
```