

Komatsu America International Company

4010 ASC X12.850
Purchase Order

Implementation Guideline

November 21, 2002

Table of Contents

Page

Introduction	1
General Rules	1
Segments	2
Fields	8
Examples	16

Introduction

This document provides the format and establishes the data content of the Purchase Order transaction set used by the various Komatsu America facilities to send purchase orders to suppliers.

General Rules

1. Komatsu America requires functional acknowledgments (997) for all EDI transactions sent.
2. Komatsu America has many facilities that may place purchase orders. The facility placing purchase orders is identified in the GS02 field. It is possible your firm may accept purchase orders from more than one Komatsu America facility.

GS02 value	Komatsu America facility
200	Vernon Hills, IL (headquarters)
310	Chattanooga, TN (CMO)
340	Newberry, SC
401	Candiac, QE
FAC83	Ripley, TN (service parts)

3. Each Komatsu America facility may have additional or slightly different data requirements. See the "value/description" portion of the segment specifications for any specific Komatsu America facility's requirements.

Table 1

PAGE	POS.	USED?	SEG. ID.	SEGMENT NAME	REQ. DES.	MAX USE	LOOP REPEAT
10	010	Y	ST	Transaction Set Header	M	1	
10	020	Y	BEG	Beginning Segment for Purchase Order	M	1	
	040		CUR	Currency	O	1	
	050		REF	Reference Identification	O	>1	
	060		PER	Administrative Communications Contact	O	3	
	070		TAX	Tax Reference	O	>1	
	080		FOB	F. O. B. Related Instructions	O	>1	
	090		CTP	Pricing Information	O	>1	
	095		PAM	Period Amount	O	10	
	110		CSH	Sales Requirements	O	5	
	115		TC2	Commodity	O	>1	
LOOP ID - SAC							25
	120		SAC	Service, Promotion, Allowance, or Charge Information	O	1	
	125		CUR	Currency	O	1	
	130		ITD	Terms of Sale/Deferred Terms of Sale	O	>1	
	140		DIS	Discount Detail	O	20	
	145		INC	Installment Information	O	1	
	150		DTM	Date/Time Reference	O	10	
	160		LDT	Lead Time	O	12	
	180		LIN	Item Identification	O	5	
	185		SI	Service Characteristic Identification	O	>1	
	190		PID	Product/Item Description	O	200	
	200		MEA	Measurements	O	40	
	210		PWK	Paperwork	O	25	
	220		PKG	Marking, Packaging, Loading	O	200	
	230		TD1	Carrier Details (Quantity and Weight)	O	2	
	240		TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
	250		TD3	Carrier Details (Equipment)	O	12	
	260		TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5	
	270		MAN	Marks and Numbers	O	10	
	276		PCT	Percent Amounts	O	>1	
	280		CTB	Restrictions / Conditions	O	5	
	285		TXI	Tax Information	O	>1	
LOOP ID - AMT							>1
	287		AMT	Monetary Amount	O	1	
	289		REF	Reference Identification	O	>1	
	290		DTM	Date/Time Reference	O	1	
	292		PCT	Percent Amounts	O	>1	
LOOP ID - FA1							>1
	293		FA1	Type of Financial Accounting Data	O	1	
	294		FA2	Accounting Data	M	>1	
LOOP ID - N9							1000
	295		N9	Reference Identification	O	1	
	297		DTM	Date/Time Reference	O	>1	
	300		MSG	Message Text	O	1000	

PAGE	POS.	USED?	SEG. ID.	SEGMENT NAME	REQ. DES.	MAX USE	LOOP REPEAT
LOOP ID – N1							200
10	310	Y	N1	Name	O	1	
11	320	Y	N2	Additional Name Information	O	2	
11	330	Y	N3	Address Information	O	2	
11	340	Y	N4	Geographic Location	O	>1	
	345		NX2	Location ID Component	O	>1	
	350		REF	Reference Identification	O	12	
11	360	Y	PER	Administrative Communications Contact	O	>1	
	365		SI	Service Characteristic Identification	O	>1	
	370		FOB	F. O. B. Related Instructions	O	1	
	380		TD1	Carrier Details (Quantity and Weight)	O	2	
	390		TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
	400		TD3	Carrier Details (Equipment)	O	12	
	410		TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5	
	420		PKG	Marking, Packaging, Loading	O	200	
LOOP ID – LM							>1
	430		LM	Code Source Information	O	1	
	440		LQ	Industry Code	M	>1	
LOOP ID – SPI							>1
	450		SPI	Specification Identifier	O	1	
	460		REF	Reference Numbers	O	5	
	470		DTM	Date/Time Reference	O	5	
	480		MSG	Message Text	O	50	
LOOP ID – N1							20
	490		N1	Name	O	1	
	500		N2	Additional Name Information	O	2	
	510		N3	Address Information	O	2	
	520		N4	Geographic Location	O	1	
	530		REF	Reference Identification	O	20	
	540		G61	Contact	O	1	
	550		MSG	Message Text	O	50	
LOOP ID – CB1							>1
	560		CB1	Contract and Cost Accounting Standards Data	O	1	
	570		REF	Reference Identification	O	20	
	580		DTM	Date/Time Reference	O	5	
	590		LDT	Lead Time	O	1	
	600		MSG	Message Text	O	50	
LOOP ID – ADV							>1
	610		ADV	Advertising Demographic Information	O	1	
	620		DTM	Date/Time Reference	O	>1	
	630		MTX	Text	O	>1	

Table 2

PAGE	POS.	USED?	SEG. ID.	SEGMENT NAME	REQ. DES.	MAX USE	LOOP REPEAT
				LOOP ID – PO1			100000
12	010	Y	PO1	Baseline Item Data	M	1	
	015		LIN	Item Identification	O	>1	
	018		SI	Service Characteristic Identification	O	>1	
	020		CUR	Currency	O	1	
	025		CN1	Contract Information	O	1	
	030		PO3	Additional Item Detail	O	25	
				LOOP ID – CTP			>1
	040		CTP	Pricing Information	O	1	
	043		CUR	Currency	O	1	
	045		PAM	Period Amount	O	10	
	049		MEA	Measurements	O	40	
				LOOP ID – PID			1000
	050		PID	Product/Item Description	O	1	
	060		MEA	Measurements	O	10	
	070		PWK	Paperwork	O	25	
	090		PO4	Item Physical Details	O	>1	
	100		REF	Reference Number	O	>1	
	110		PER	Administrative Communications Contact	O	3	
				LOOP ID – SAC			25
13	130	Y	SAC	Service, Promotion, Allowance, or Charge Information	O	1	
	135		CUR	Currency	O	1	
	137		CTP	Pricing Information	O	1	
	140		IT8	Conditions of Sale	O	1	
	142		CSH	Sales Requirements	O	>1	
	150		ITD	Terms of Sale / Deferred Terms of Sale	O	2	
	160		DIS	Discount Detail	O	20	
	165		INC	Installment Information	O	1	
	170		TAX	Tax Reference	O	>1	
	180		FOB	F.O.B. Related Instructions	O	>1	
	190		SDQ	Destination Quantity	O	500	
	200		IT3	Additional Item Data	O	5	
	210		DTM	Date / Time Reference	O	10	
	235		TC2	Commodity	O	>1	
	240		TD1	Carrier Details (Quantity and Weight)	O	1	
	250		TD5	Carrier Details (Routing Sequence / Transit Time)	O	12	
	260		TD3	Carrier Details (Equipment)	O	12	
	270		TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5	
	276		PCT	Percent Amounts	O	>1	
	280		MAN	Marks and Numbers	O	10	
	289		MSG	Message Text	O	>1	
	290		SPI	Specification Identifier	O	>1	
	291		TXI	Tax Information	O	>1	
	292		CTB	Restrictions/Conditions	O	>1	

PAGE	POS.	USED?	SEG. ID.	SEGMENT NAME	REQ. DES.	MAX USE	LOOP REPEAT
				LOOP ID – QTY			>1
	293		QTY	Quantity	O	1	
	294		SI	Service Characteristic Identification	O	>1	
				LOOP ID – SCH			200
14	295	Y	SCH	Line Item Schedule	O	1	
	296		TD1	Carrier Details (Quantity and Weight)	O	2	
	297		TD5	Carrier Details (Routing Sequence / Transit Time)	O	12	
	298		TD3	Carrier Details (Equipment)	O	12	
	299		TD4	Carrier Details (Special Handling of Hazardous Materials or Both)	O	5	
	300		REF	Reference Numbers	O	>1	
				LOOP ID – PKG			200
	305		PKG	Marking, Packaging, Loading	O	1	
	310		MEA	Measurements	O	>1	
	320		LS	Loop Header	O	1	
				LOOP ID – LDT			>1
	321		LTD	Lead Time	O	1	
	322		QTY	Quantity	O	>1	
	323		MSG	Message Text	O	1	
	324		REF	Reference Identification	O	3	
				LOOP ID – LM			>1
	325		LM	Code Source Information	O	1	
	326		LQ	Industry Code	M	>1	
	327		LE	Loop Trailer	O	1	
				LOOP ID – N9			1000
	330		N9	Reference Identification	O	1	
	332		DTM	Date / Time Reference	O	>1	
	335		MEA	Measurements	O	40	
	340		MSG	Message Text	O	1000	
				LOOP ID – N1			200
	350		N1	Name	O	1	
	360		N2	Additional Name Information	O	2	
	370		N3	Address Information	O	2	
	380		N4	Geographic Location	O	1	
	383		QTY	Quantity	O	>1	
	385		NX2	Location ID Component	O	>1	
	390		REF	Reference Identification	O	12	
	400		PER	Administrative Communications Contact	O	3	
	405		SI	Service Characteristic Identification	O	>1	
	406		DTM	Date / Time Reference	O	1	
	410		FOB	F. O. B. Related Instructions	O	1	
	415		SCH	Line Item Schedule	O	200	
	420		TD1	Carrier Details (Quality and Weight)	O	2	
	430		TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
	440		TD3	Carrier Details (Equipment)	O	12	
	450		TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5	
	460		PKG	Marking, Packaging, Loading	O	200	

PAGE	POS.	USED?	SEG. ID.	SEGMENT NAME	REQ. DES.	MAX USE	LOOP REPEAT
LOOP ID - LDT							>1
	462		LDT	Lead Time	O	1	
	464		MAN	Marks and Numbers	O	10	
	466		QTY	Quantity	O	5	
	468		MSG	Message Text	O	1	
	469		REF	Reference Identification	O	3	
LOOP ID - SLN							1000
	470		SLN	Subline Item Detail	O	1	
	475		MSG	Message Text	O	>1	
	480		SI	Service Characteristic Identification	O	>1	
	490		PID	Product/Item Description	O	1000	
	500		PO3	Additional Item Detail	O	104	
	505		TC2	Commodity	O	>1	
	513		ADV	Advertising Demographic Information	O	>1	
	515		DTM	Date/Time Reference	O	10	
	516		CTP	Pricing Information	O	25	
	517		PAM	Period Amount	O	10	
	518		PO4	Item Physical Details	O	1	
	519		TAX	Tax Reference	O	3	
LOOP ID - N9							>1
	523		N9	Reference Identification	O	1	
	524		DTM	Date/Time Reference	O	>1	
	525		MSG	Message Text	O	>1	
LOOP ID - SAC							25
	526		SAC	Service, Promotion, Allowance, or Charge Information	O	1	
	527		CUR	Currency	O	1	
	528		CTP	Pricing Information	O	1	
LOOP ID - QTY							>1
	529		QTY	Quantity	O	1	
	530		SI	Service Characteristic Identification	O	>1	
LOOP ID - N1							10
	535		N1	Name	O	1	
	540		N2	Additional Name Information	O	2	
	550		N3	Address Information	O	2	
	560		N4	Geographic Location	O	1	
	570		NX2	Location ID Component	O	>1	
	580		REF	Reference Identification	O	12	
	590		PER	Administrative Communications Contact	O	3	
	595		SI	Service Characteristic Identification	O	>1	
LOOP ID - AMT							>1
	600		AMT	Monetary Amount	O	1	
	610		REF	Reference Identification	O	1	
	612		PCT	Percent Amount	O	>1	
LOOP ID - LM							>1
	620		LM	Code Source Information	O	1	
	630		LQ	Industry Code	M	>1	

Table 3

PAGE	POS.	USED?	SEG. ID.	SEGMENT NAME	REQ. DES.	MAX USE	LOOP REPEAT
				LOOP ID – CTT			1
14	010	Y	CTT	Transaction Totals	O	1	
	020		AMT	Monetary Amount	O	1	
15	030	Y	SE	Transaction Set Trailer	M	1	

ISA – INTERCHANGE CONTROL:						
REF. DES.	DATA ELEMENT	NAME	ATTRIBUTE			VALUE / DESCRIPTION
		SEGMENT ID	M	ID	3/3	'ISA'
ISA01	I01	Authorization Information Qualifier	M	ID	2/2	'00'
ISA02	I02	Authorization Information	M	AN	10/10	not used
ISA03	I03	Security Information Qualifier	M	ID	2/2	'00'
ISA04	I04	Security Information	M	AN	10/10	not used
ISA05	I05	Interchange ID Qualifier	M	ID	2/2	'01'
ISA06	I06	Interchange Sender ID	M	AN	15/15	'193810496'
ISA07	I05	Interchange ID Qualifier	M	ID	2/2	<i>your choice</i>
ISA08	I07	Interchange Receiver ID	M	AN	15/15	<i>your choice</i>
ISA09	I08	Interchange Date	M	DT	6/6	YYMMDD
ISA10	I09	Interchange Time	M	TM	4/4	HHMM
ISA11	I10	Interchange Control Standards Identifier	M	ID	1/1	'U'
ISA12	I11	Interchange Control Version Number	M	ID	5/5	'00401'
ISA13	I12	Interchange Control Number	M	N0	9/9	'000000001' {Increment}
ISA14	I13	Acknowledgment Request	M	ID	1/1	'0'
ISA15	I14	Usage Indicator	M	ID	1/1	'P' – Production 'T' – Test
ISA16	I15	Component Element Separator	M	AN	1/1	'~'

GS – FUNCTIONAL GROUP HEADER:						
REF. DES.	DATA ELEMENT	NAME	ATTRIBUTE			VALUE / DESCRIPTION
		SEGMENT ID	M	ID	2/2	'GS'
GS01	479	Functional Identifier Code	M	ID	2/2	'PO'
GS02	142	Application Sender's Code	M	AN	2/15	'200' – Vernon Hills, IL (headquarters) '310' – Chattanooga, TN (CMO) '340' – Newberry, SC '401' – Candiatic, QE 'FAC83' – Ripley, TN / Service Parts
GS03	124	Application Receiver's Code	M	AN	2/15	<i>your choice</i>
GS04	373	Date	M/Z	DT	8/8	CCYYMMDD
GS05	337	Time	M/Z	TM	4/8	HHMM
GS06	28	Group Control Number	M/Z	NO	1/9	'000000001' {Increment}
GS07	455	Responsible Agency Code	M	ID	1/2	'X'
GS08	480	Version/Release/Industry Identifier Code	M	AN	1/12	'004010'

TABLE 1:

ST – TRANSACTION SET HEADER:						
REF. DES.	DATA ELEMENT	NAME	ATTRIBUTE			VALUE / DESCRIPTION
		SEGMENT ID	M	ID	2/2	'ST'
ST01	143	Transaction Set Identifier Code	M/Z	ID	3/3	'850'
ST02	329	Transaction Set Control Number	M	AN	4/9	'000000001' {Increment}

BEG – BEGINNING SEGMENT FOR PURCHASE ORDER						
REF. DES.	DATA ELEMENT	NAME	ATTRIBUTE			VALUE / DESCRIPTION
		SEGMENT ID	M	ID	3/3	'BEG'
BEG01	353	Transaction Set Purpose Code	M	ID	2/2	'00' – Original
BEG02	92	Purchase Order Type Code	M	ID	2/2	'NE' – New Order:
BEG03	324	Purchase Order Number	M	AN	1/22	purchase order number
BEG04	328	Release Number	O	AN	1/30	not used
BEG05	373	Date	M/Z	DT	8/8	date purchase order issued
BEG06	367	Contract Number	O	AN	1/30	not used
BEG07	587	Acknowledgement Type	O	ID	2/2	'AC' - Acknowledge - With Detail and Change
BEG08	1019	Invoice Type Code	O	ID	3/3	not used
BEG09	1166	Contract Type Code	O	ID	2/2	not used
BEG10	1232	Purchase Category	O	ID	2/2	not used
BEG11	786	Security Level Code	O	ID	2/2	not used
BEG12	640	Transaction Type Code	O	ID	2/2	not used

N1 – NAME						
REF. DES.	DATA ELEMENT	NAME	ATTRIBUTE			VALUE / DESCRIPTION
		SEGMENT ID	M	ID	2/2	'N1'
N101	98	Entity Identifier Code	M	ID	2/3	'ST' – for ship-to location
N102	93	Name	X	AN	1/60	ship-to name
N103	66	Identification Code Qualifier	X	ID	1/2	'92' – assigned by buyer
N104	67	Identification Code	X	AN	2/80	Komatsu assigned code used to identify the bill to and ship to location
N105	706	Entity Relationship Code	O	ID	2/2	not used
N106	98	Entity Identifier Code	O	ID	2/3	not used

N2 – ADDITIONAL NAME INFORMATION						
REF. DES.	DATA ELEMENT	NAME	ATTRIBUTE			VALUE / DESCRIPTION
		SEGMENT ID	M	ID	2/2	'N2'
N201	93	Name	M	AN	1/60	additional ship-to name
N202	93	Name	O	AN	1/60	not used

N3 – ADDRESS INFORMATION						
REF. DES.	DATA ELEMENT	NAME	ATTRIBUTE			VALUE / DESCRIPTION
		SEGMENT ID	M	ID	2/2	'N3'
N301	166	Address Information	M	AN	1/55	ship-to address
N302	166	Address Information	O	AN	1/5	not used

N4 – GEOGRAPHIC LOCATION						
REF. DES.	DATA ELEMENT	NAME	ATTRIBUTE			VALUE / DESCRIPTION
		SEGMENT ID	M	ID	2/2	'N4'
N401	19	City Name	O	AN	2/30	ship-to city
N402	156	State or Province Code	O	ID	2/2	ship-to state or province
N403	116	Postal Code	O	ID	3/15	ship-to postal code
N404	26	Country Code	O	ID	2/3	ship-to country code
N405	309	Location Qualifier	X	ID	1/2	not used
N406	310	Location Identifier	O	AN	1/30	not used

PER – ADMINISTRATIVE COMMUNICATIONS CONTACT						
REF. DES.	DATA ELEMENT	NAME	ATTRIBUTE			VALUE / DESCRIPTION
		SEGMENT ID	M	ID	3/3	'PER'
PER01	366	Contact Function Code	O	ID	2/2	'BD' – buyer name or department
PER02	93	Name	X	AN	1/60	buyer name
PER03	365	Communications Number Qualifier	X	ID	2/2	'TE' – telephone
PER04	364	Communications Number	X	AN	1/80	buyer's telephone number
PER05	365	Communications Number Qualifier	X	ID	2/2	not used
PER06	364	Communications Number	X	AN	1/80	not used
PER07	365	Communications Number Qualifier	X	ID	2/2	not used
PER08	364	Communications Number	X	AN	1/80	not used
PER09	443	Contact Inquiry Reference	O	AN	1/20	not used

TABLE 2:

PO1 - Baseline Item Data (Invoice)						
REF. DES.	DATA ELEMENT	NAME	ATTRIBUTE			VALUE / DESCRIPTION
		SEGMENT ID	M	ID	3/3	'PO1'
PO101	350	Assigned Identification	O	AN	1/20	purchase order line number
PO102	330	Quantity Ordered	X	R	1/15	quantity of part ordered
PO103	355	Unit or Basis for Measurement Code	O	ID	2/2	'EA'
PO104	212	Unit Price	X	R	1/17	purchase order price
PO105	639	Basis of Unit Price Code	O	ID	2/2	not used
PO106	235	Product/Service ID Qualifier	X	ID	2/2	'BP' – buyers part number
PO107	234	Product/Service ID	X	AN	1/48	Komatsu's part number
PO108	235	Product/Service ID Qualifier	X	ID	2/2	'VP' – vendor's (seller's) part number
PO109	234	Product/Service ID	X	AN	1/48	supplier's part number
PO110	235	Product/Service ID Qualifier	X	ID	2/2	'DR' – drawing revision number
PO111	234	Product/Service ID	X	AN	1/48	drawing revision number
PO112	235	Product/Service ID Qualifier	X	ID	2/2	not used
PO113	234	Product/Service ID	X	AN	1/48	not used
PO114	235	Product/Service ID Qualifier	X	ID	2/2	not used
PO115	234	Product/Service ID	X	AN	1/48	not used
PO116	235	Product/Service ID Qualifier	X	ID	2/2	not used
PO117	234	Product/Service ID	X	AN	1/48	not used
PO118	235	Product/Service ID Qualifier	X	ID	2/2	not used
PO119	234	Product/Service ID	X	AN	1/48	not used
PO120	235	Product/Service ID Qualifier	X	ID	2/2	not used
PO121	234	Product/Service ID	X	AN	1/48	not used
PO122	235	Product/Service ID Qualifier	X	ID	2/2	not used
PO123	234	Product/Service ID	X	AN	1/48	not used
PO124	235	Product/Service ID Qualifier	X	ID	2/2	not used
PO125	234	Product/Service ID	X	AN	1/48	not used

SAC – SERVICE, PROMOTION, ALLOWANCE, OR CHARGE INFORMATION						
REF. DES.	DATA ELEMENT	NAME	ATTRIBUTE			VALUE / DESCRIPTION
		SEGMENT ID	M	ID	3/3	'SAC'
SAC01	248	Allowance/Charge Indicator	M/Z	ID	1/1	'C' – charge
SAC02	1300	Service, Promotion, Allowance, or Charge Code	X	ID	4/4	'G760' – set-up
SAC03	559	Agency Qualifier Code	X	ID	2/2	'AX' – ANSI Accredited Standards Committee, X12
SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code	X	AN	1/10	not used
SAC05	610	Amount	O/Z	N2	1/15	set-up charge amount
SAC06	378	Allowance/Charge Percent Qualifier	X	ID	1/1	not used
SAC07	332	Percent	X	R	1/6	not used
SAC08	118	Rate	O/Z	R	1/9	not used
SAC09	355	Unit of Basis for Measurement Code	X	ID	2/2	not used
SAC10	380	Quantity	X/Z	R	1/15	not used
SAC11	380	Quantity	O	R	1/15	not used
SAC12	331	Allowance/Charge Method of Handling Code	O	ID	2/2	'06' – charge to be paid by customer
SAC13	127	Reference Identification	X/Z	AN	1/30	not used
SAC14	770	Option Number	O/Z	AN	1/20	not used
SAC15	352	Description	X	AN	1/80	not used
SAC16	819	Language Code	O/Z	ID	2/3	not used

SCH – LINE ITEM SCHEDULE						
REF. DES.	DATA ELEMENT	NAME	ATTRIBUTE			VALUE / DESCRIPTION
		SEGMENT ID	M	ID	3/3	'SCH'
SCH01	380	Quantity	M	R	1/15	quantity to be delivered
SCH02	355	Unit or Basis for Measurement Code	M	ID	2/2	'EA' – each
SCH03	98	Entity Identifier Code	O	ID	2/3	not used
SCH04	93	Name	X	AN	1/60	not used
SCH05	374	Date/Time Qualifier	M	ID	3/3	'002' – delivery requested
SCH06	373	Date	M	DT	8/8	requested delivery date
SCH07	337	Time	O	TM	4/8	not used
SCH08	374	Date/Time Qualifier	X	ID	3/3	not used
SCH09	373	Date	X	DT	8/8	not used
SCH10	337	Time	O	TM	4/8	not used
SCH11	326	Request Reference Number	O	AN	1/45	not used
SCH12	350	Assigned Identification	O/Z	AN	1/20	not used

TABLE 3:

CTT – Transaction Totals						
REF. DES.	DATA ELEMENT	NAME	ATTRIBUTE			VALUE / DESCRIPTION
		SEGMENT ID	M	ID	3/3	'CTT'
CTT01	354	Number of Line Items	M	N0	1/6	total number of PO1 segments
CTT02	347	Hash Total	O	R	1/10	not used
CTT03	81	Weight	X	R	1/10	not used
CTT04	355	Unit or Basis for Measurement Code	X	ID	2/2	not used
CTT05	183	Volume	X	R	1/8	not used
CTT06	355	Unit or Basis for Measurement Code	X	ID	2/2	not used
CTT07	352	Description	O	AN	1/80	not used

SE – TRANSACTION SET TRAILER						
REF. DES.	DATA ELEMENT	NAME	ATTRIBUTE			VALUE / DESCRIPTION
		SEGMENT ID	M	ID	2/2	'SE'
SE01	96	Number of Included Segments	M	N0	1/10	total number of segments in the transaction set including the 'ST' and "SE' segments
SE02	329	Transaction Set Control Number	M	AN	4/9	same as 'ST02'

GE – FUNCTIONAL GROUP TRAILER						
REF. DES.	DATA ELEMENT	NAME	ATTRIBUTE			VALUE / DESCRIPTION
		SEGMENT ID	M	ID	2/2	'GE'
GE01	97	Number of Transaction Sets Included	M	N0	1/6	number of 'ST' / 'SE' loops
GE02	28	Group Control Number	M/Z	N0	1/9	same as 'GS06'

IEA – INTERCHANGE TRAILER						
REF. DES.	DATA ELEMENT	NAME	ATTRIBUTE			VALUE / DESCRIPTION
		SEGMENT ID	M	ID	3/3	'ISA'
IEA01	I16	Number of Included Functional Groups	M	N0	1/5	number of 'GS' / 'GE' loops
IEA02	I12	Interchange Control Number	M	N0	9/9	same as 'ISA13'

Example

The first sample EDI shows a Purchase Order for the Ripley, TN service parts organization. The second sample EDI shows a Purchase Order for the Chattanooga, TN manufacturing plant.

Sample EDI

ISA*00*_____ *00*_____ *01*193810496_____ *
 your.choice*your.choice*000127*1423*U*00401*000000015*0*P*~<

GS*PO *FAC83*your.choice *000127*1423*15*X*004010<

ST*850*0023<

BEG*00*NE*2089770**20000125**AC<

N1*ST*RIPLEY PDC*92*022050<

PER*BD*DEMING, DAVE<

PO1*1*198*EA*2.34**BP*600-211-1231*VP*LF0074750<

SCH*198*EA****002*20000221<

PO1*2*5*EA*3.23**BP*BF2673*VP*0029355<

SAC*C*G760*AX**252*****06<

SCH*5*EA****002*20000306<

CTT*2<

SE*11*0023<

GE*1*15<

IEA*1*000000015<

ISA*00*_____ *00*_____ *01*193810496_____ *
 your.choice*your.choice*000127*1423*U*00401*000000016*0*P*~<

GS*PO *FAC41*your.choice *000127*1423*16*X*004010<

ST*850*0023<

BEG*00*NE* P253605**20000125**AC<

N1*ST*CMO<

PO1*1*EA*6.16**BP*121800H1***DR*P<

SCH*1*EA****002*20000502<

CTT*1<

SE*7*0023<

GE*1*16<

IEA*1*000000016<

Discussion

The underlines “ ” represent mandatory spaces in this example

FAC83 identifies the purchase orders are for Ripley, TN

New purchase order number 2089770, purchase order date 01-25-2000, acknowledge with details and changes

Ship to Ripley PDC, location code 022050

Order line 1, 198 of Komatsu part 600-211-1231, supplier part LF0074750, price of \$2.34

Deliver 198 by 02-21-2000

Order line 2, 5 of Komatsu part BF2673, supplier part 0029355, price of \$2.23

Set-up charge of \$2.52 to be paid by Komatsu

Deliver 5 by 03-06-2000

A second example

FAC41 identifies the purchase orders are for Chattanooga, TN

Identifies a new purchase order number P253605, purchase order date 01-25-2000, acknowledge with details and changes

Ship to the Chattanooga, TN facility

Order line 1, 1 of Komatsu part 121800H1, price of \$6.16, drawing revision number "P"

Deliver 1 by 05-02-2000