

# Komatsu America International Company

4010 X12.810  
Invoice

Implementation Guideline

November 21, 2002

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## **Introduction**

This document provides the format and establishes the data content of the Invoice set. This transaction set allows Komatsu America International Company to electronically receive invoices from suppliers.

## **General Rules**

1. Komatsu America will send functional acknowledgments (997) for all EDI transactions sent.
2. Komatsu America has many facilities that may place receive invoices. The facility receiving the invoices is identified in the GS03 field. It is possible your firm may send invoices to more than one Komatsu America facility.

<b>GS03 value</b>	<b>Komatsu America facility</b>
200	Vernon Hills, IL (headquarters)
310	Chattanooga, TN (CMO)
340	Newberry, SC
350	Peoria, IL
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.

<b>Table 1</b>							
PAGE	POS.	USED?	SEG. ID.	SEGMENT NAME	REQ. DES.	MAX USE	LOOP REPEAT
6	010	Y	ST	Transaction Set Header	M	1	
7	020	Y	BIG	Beginning Segment for Invoice	M	1	
7	030	Y	NTE	Note/Special Instruction	O	100	
	040		CUR	Currency	O	1	
7	050	Y	REF	Reference Identification	O	12	
	055		YNQ	Yes/No Question	O	10	
	060		PER	Administrative Communications Contact	O	3	
<b>LOOP ID - N1</b>							<b>200</b>
8	070	Y	N1	Name	O	1	
	080		N2	Additional Name Information	O	2	
8	090	Y	N3	Address Information	O	2	
8	100	Y	N4	Geographic Location	O	1	
	110		REF	Reference Identification	O	12	
	120		PER	Administrative Communications Contact	O	3	
	125		DMG	Demographic Information	O	1	
9	130	Y	ITD	Terms of Sale/Deferred Terms of Sale	O	>1	
9	140	Y	DTM	Date/Time Reference	O	10	
	150		FOB	F. O. B. Related Instructions	O	1	
	160		PID	Product/Item Description	O	200	
	170		MEA	Measurements	O	40	
	180		PWK	Paperwork	O	25	
	190		PKG	Marking, Packaging, Loading	O	25	
	200		L7	Tariff Reference	O	1	
	212		BAL	Balance Detail	O	>1	
	213		INC	Installment Information	O	1	
	214		PAM	Period Amount	O	>1	
<b>LOOP ID - LM</b>							<b>10</b>
	220		LM	Code Source Information	O	1	
	230		LQ	Industry Code	M	100	
<b>LOOP ID - N9</b>							<b>1</b>
	240		N9	Reference Number	O	1	
	250		MSG	Message Text	M	10	
<b>LOOP ID - V1</b>							<b>&gt;1</b>
	260		V1	Vessel Identification	O	1	
	270		R4	Port	O	>1	
	280		DTM	Date/Time Reference	O	>1	
<b>LOOP ID - FA1</b>							<b>&gt;1</b>
	290		FA1	Type of Financial Accounting Data	O	1	
	300		FA2	Message Text	M	>1	

<b>Table 2</b>							
PAGE	POS.	USED?	SEG. ID.	SEGMENT NAME	REQ. DES.	MAX USE	LOOP REPEAT
				<b>LOOP ID - IT1</b>			<b>200000</b>
10	010	Y	IT1	Baseline Item Data (Invoice)	0	1	
	012		CRC	Conditions Indicator	0	1	
	015		QTY	Quantity	0	5	
	020		CUR	Currency	0	1	
	030		IT3	Additional Item Data	0	5	
	040		TX1	Tax Information	0	10	
	050		CTP	Pricing Information	0	25	
	055		PAM	Period Amount	0	10	
	059		MEA	Measurements	0	40	
				<b>LOOP ID - PID</b>			<b>1000</b>
11	060	Y	PID	Product/Item Description	0	1	
	070		MEA	Measurements	0	10	
	080		PWK	Paperwork	0	25	
	090		PKG	Marking, Packaging, Loading	0	25	
	100		PO4	Item Physical Details	0	1	
	110		ITD	Terms of Sale/Deferred Terms of Sale	0	2	
	120		REF	Reference Numbers	0	>1	
	125		YNQ	Yes/No Question	0	10	
	130		PER	Administrative Communications Contact	0	5	
	140		SDQ	Destination Quantity	0	500	
	150		DTM	Date/Time Reference	0	10	
	160		CAD	Carrier Detail	0	>1	
	170		L7	Tariff Reference	0	>1	
	175		SR	Requested Service Schedule	0	1	
				<b>LOOP ID - SAC</b>			<b>25</b>
11	180	Y	SAC	Service, Promotion, Allowance, or Charge Information	0	1	
	190		TXI	Tax Information	0	10	
				<b>LOOP ID - SLN</b>			<b>1000</b>
	200		SLN	Subline Item Detail	0	1	
	205		DTM	Date/Time Reference	0	1	
	210		REF	Reference Identification	0	>1	
	220		PID	Product/Item Description	0	1000	
	230		SAC	Service, Promotion, Allowance, or Charge Information	0	25	
	235		TC2	Commodity	0	2	
	237		TXI	Tax Information	0	10	
				<b>LOOP ID - N1</b>			<b>200</b>
	240		N1	Name	0	1	
	250		N2	Additional Name Information	0	2	
	260		N3	Address Information	0	2	
	270		N4	Geographic Location	0	1	
	280		REF	Reference Identification	0	12	
	290		PER	Administrative Communications Contact	0	3	
	295		DMG	Demographic Information	0	1	

<u>PAGE</u>	<u>POS.</u>	<u>USED?</u>	<u>SEG. ID.</u>	<u>SEGMENT NAME</u>	<u>REQ. DES.</u>	<u>MAX USE</u>	<u>LOOP REPEAT</u>
				<b>LOOP ID - LM</b>			<b>10</b>
	300		LM	Code Source Information	O	1	
	310		LQ	Industry Code	M	100	
				<b>LOOP ID - V1</b>			<b>&gt;1</b>
	320		V1	Vessel Identification	O	1	
	330		R4	Port or Terminal	O	>1	
	340		DTM	Date/Time Reference	O	>1	
				<b>LOOP ID - FA1</b>			<b>&gt;1</b>
	350		FA1	Type of Financial Accounting Data	O	1	
	360		FA2	Accounting Data	M	>1	

**Table 3**

<u>PAGE</u>	<u>POS.</u>	<u>USED?</u>	<u>SEG. ID.</u>	<u>SEGMENT NAME</u>	<u>REQ. DES.</u>	<u>MAX USE</u>	<u>LOOP REPEAT</u>
12	010	Y	TDS	Total Monetary Value Summary	M	1	
	020		TXI	Tax Information	O	10	
	030		CAD	Carrier Detail	O	1	
	035		AMT	Monetary Amount	O	>1	
				<b>LOOP ID - SAC</b>			<b>25</b>
12	040	Y	SAC	Service, Promotion, Allowance, or Charge Information	O	1	
	050		TXI	Tax Information	O	10	
				<b>LOOP ID - ISS</b>			<b>&gt;1</b>
	060		ISS	Invoice Shipment Summary	O	1	
	065		PID	Product/Item Description	O	1	
13	070	Y	CTT	Transaction Totals	O	1	
13	080	Y	SE	Transaction Set Trailer	M	1	

ISA – INTERCHANGE CONTROL						
REF. DES.	DATA ELEMENT	NAME	ATTRIBUTE			VALUE / DESCRIPTION
		<b>SEGMENT ID</b>	<b>M</b>	<b>ID</b>	<b>3/3</b>	<b>'ISA'</b>
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	<i>Your Choice</i>
ISA06	I06	Interchange Sender ID	M	AN	15/15	<i>Your Choice</i>
ISA07	I05	Interchange ID Qualifier	M	ID	2/2	'01'
ISA08	I07	Interchange Receiver ID	M	AN	15/15	'193810496'
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	'00000001' {Increment}
ISA14	I13	Acknowledgment Request	M	ID	1/1	'0'
ISA15	I14	Test Indicator	M	ID	1/1	'P' – Production 'T' – Test
ISA16	I15	Component Element Separator	M		1/1	'~'

GS – FUNCTIONAL GROUP HEADER						
REF. DES.	DATA ELEMENT	NAME	ATTRIBUTE			VALUE / DESCRIPTION
		<b>SEGMENT ID</b>	<b>M</b>	<b>ID</b>	<b>2/2</b>	<b>'GS'</b>
GS01	479	Functional Identifier Code	M	ID	2/2	'IN'
GS02	142	Application Sender's Code	M	AN	2/15	<i>Your Choice</i>
GS03	124	Application Receiver'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
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
		<b>SEGMENT ID</b>	<b>M</b>	<b>ID</b>	<b>2/2</b>	<b>'ST'</b>
ST01	143	Transaction Set Identifier Code	M/Z	ID	3/3	'810'
ST02	329	Transaction Set Control Number	M	AN	4/9	'000000001' {Increment}

BIG – BEGINNING SEGMENT FOR INVOICE						
REF. DES.	DATA ELEMENT	NAME	ATTRIBUTE			VALUE / DESCRIPTION
		<b>SEGMENT ID</b>	<b>M</b>	<b>ID</b>	<b>3/3</b>	<b>'BIG'</b>
BIG01	373	Date	M/Z	DT	8/8	invoice issue date (CCYYMMDD)
BIG02	76	Invoice Number	M	AN	1/22	max length for Komatsu America is 16
BIG03	373	Date	O/Z	DT	8/8	not used
BIG04	324	Purchase Order Number	O	AN	1/22	Purchase order number at invoice level. If an IT1 purchase order number is provided, it will override this element.
BIG05	328	Release Number	O	AN	1/30	not used
BIG06	327	Change Order Sequence Number	O	AN	1/8	not used
BIG07	640	Transaction Type Code	O	ID	2/2	not used
BIG08	353	Transaction Set Purpose Code	O	ID	2/2	not used
BIG09	306	Action Code	O	ID	1/2	not used
BIG10	76	Invoice Number	O/Z	AN	1/22	not used

NTE – NOTE/SPECIAL INSTRUCTION						
REF. DES.	DATA ELEMENT	NAME	ATTRIBUTE			VALUE / DESCRIPTION
		<b>SEGMENT ID</b>	<b>O</b>	<b>ID</b>	<b>3/3</b>	<b>'NTE'</b>
NTE01	363	Note Reference Code	O	ID	3/3	'GEN' – Notes about the entire transaction set
NTE02	352	Description	M	AN	1/80	communicates special handling information

REF – REFERENCE IDENTIFICATION						
REF. DES.	DATA ELEMENT	NAME	ATTRIBUTE			VALUE / DESCRIPTION
		<b>SEGMENT ID</b>	<b>M</b>	<b>ID</b>	<b>3/3</b>	<b>'REF'</b>
REF01	128	Reference Identification Qualifier	M	ID	2/3	'PK' – Packing list number
REF02	127	Reference Identification	X	AN	1/30	KA packing list number
REF03	352	Description	X	AN	1/80	not used
REF04	C040	Reference Identifier	O/Z			



<b>N1 – NAME</b>						
REF. DES.	DATA ELEMENT	NAME	ATTRIBUTE			VALUE / DESCRIPTION
		<b>SEGMENT ID</b>	<b>M</b>	<b>ID</b>	<b>2/2</b>	<b>'N1'</b>
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	code identifying 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

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

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

ITD - TERMS OF SALE/DEFERRED TERMS OF SALE						
REF. DES.	DATA ELEMENT	NAME	ATTRIBUTE			VALUE / DESCRIPTION
		<b>SEGMENT ID</b>	<b>M</b>	<b>ID</b>	<b>2/3</b>	<b>'ITD'</b>
ITD01	336	Terms Type Code	O	ID	2/2	'05' – discount not applicable '08' – basic discount offered
ITD02	333	Terms Basis Date Code	O	ID	1/2	'3' – invoice date
ITD03	338	Terms Discount Percent	O	R	1/6	discount percent if paid within discount days
ITD04	370	Terms Discount Due Date	X	DT	8/8	not used
ITD05	351	Terms Discount Days Due	X	N0	1/3	discount days
ITD06	446	Terms Net Due Date	O	DT	8/8	not used
ITD07	386	Terms Net Days	O	N0	1/3	days until total invoice amount is due
ITD08	362	Terms Discount Amount	O	N2	1/10	not used
ITD09	388	Terms Deferred Due Date	O	DT	8/8	not used
ITD10	389	Deferred Amount Due	X	N2	1/10	not used
ITD11	342	Percent of Invoice Payable	X	R	1/5	not used
ITD12	352	Description	O	AN	1/80	not used
ITD13	765	Day of Month	X	N0	1/2	not used
ITD14	107	Payment Method Code	O	ID	1/2	not used
ITD15	954	Percent	O/Z	R	1/10	not used

DTM – DATE/TIME REFERENCE						
REF. DES.	DATA ELEMENT	NAME	ATTRIBUTE			VALUE / DESCRIPTION
		<b>SEGMENT ID</b>	<b>M</b>	<b>ID</b>	<b>2/3</b>	<b>'DTM'</b>
DTM01	374	Date/Time Qualifier	M	ID	3/3	'011' - shipped
DTM02	373	Date	X	DT	8/8	date shipped (CCYYMDD)
DTM03	337	Time	X	TM	4/8	not used
DTM04	623	Time Code	O	ID	2/2	not used
DTM05	1250	Date Time Period Format Qualifier	X	ID	2/3	not used
DTM06	1251	Date Time Period	X	AN	1/35	not used

**TABLE 2:**

IT1 - Baseline Item Data (Invoice)						
REF. DES.	DATA ELEMENT	NAME	ATTRIBUTE			VALUE / DESCRIPTION
		SEGMENT ID	M	ID	3/3	'IT1'
IT101	350	Assigned Identification	O/Z	AN	1/20	not used
IT102	358	Quantity Invoiced	X	R	1/10	number of units invoiced
IT103	355	Unit or Basis for Measurement Code	X	ID	2/2	'EA'
IT104	212	Unit Price	X	R	1/17	price per unit
IT105	639	Basis of Unit Price Code	O	ID	2/2	not used
IT106	235	Product/Service ID Qualifier	X	ID	2/2	'BP' – buyer's part number
IT107	234	Product/Service ID	X	AN	1/48	Komatsu's part number
IT108	235	Product/Service ID Qualifier	X	ID	2/2	'PO' – purchase order number
IT109	234	Product/Service ID	X	AN	1/48	Komatsu's purchase order number
IT110	235	Product/Service ID Qualifier	X	ID	2/2	not used
IT111	234	Product/Service ID	X	AN	1/48	not used
IT112	235	Product/Service ID Qualifier	X	ID	2/2	'PL' – purchase order line number
IT113	234	Product/Service ID	X	AN	1/48	Komatsu's Purchase order line number
IT114	235	Product/Service ID Qualifier	X	ID	2/2	not used
IT115	234	Product/Service ID	X	AN	1/48	not used
IT116	235	Product/Service ID Qualifier	X	ID	2/2	not used
IT117	234	Product/Service ID	X	AN	1/48	not used
IT118	235	Product/Service ID Qualifier	X	ID	2/2	not used
IT119	234	Product/Service ID	X	AN	1/48	not used
IT120	235	Product/Service ID Qualifier	X	ID	2/2	not used
IT121	234	Product/Service ID	X	AN	1/48	not used
IT122	235	Product/Service ID Qualifier	X	ID	2/2	not used
IT123	234	Product/Service ID	X	AN	1/48	not used
IT124	235	Product/Service ID Qualifier	X	ID	2/2	not used
IT125	234	Product/Service ID	X	AN	1/48	not used

PID- Product/Item Description						
REF. DES.	DATA ELEMENT	NAME	ATTRIBUTE			VALUE / DESCRIPTION
		<b>SEGMENT ID</b>	<b>O</b>	<b>ID</b>	<b>3/3</b>	<b>'PID'</b>
PID01	349	Item Description Type	M	ID	1/1	'F' – Free form
PID02	750	Product/Process Characteristic Code	O	ID	2/3	not used
PID03	559	Agency Qualifier Code	X/Z	ID	2/2	not used
PID04	751	Product Description Code	X/Z	AN	1/12	not used
PID05	352	Description	X	AN	1/80	part number description
PID06	752	Surface/Layer/Position Code	O	ID	2/2	not used
PID07	822	Source Subqualifier	O	AN	1/15	not used
PID08	1073	Yes/No Condition or Response Code	O/Z	ID	1/1	not used
PID09	819	Language Code	O/Z	ID	2/3	not used

SAC – SERVICE, PROMOTION, ALLOWANCE, OR CHARGE INFORMATION						
REF. DES.	DATA ELEMENT	NAME	ATTRIBUTE			VALUE / DESCRIPTION
		<b>SEGMENT ID</b>	<b>O</b>	<b>ID</b>	<b>3/3</b>	<b>'SAC'</b>
SAC01	248	Allowance or Charge Indicator	M/Z	ID	1/1	'C' – charge
SAC02	1300	Service, Promotion, Allowance, or Charge Code	X	ID	4/4	'C590' – emergency surcharge 'D200' – freight charges to destination 'D240' – freight charge 'F150' – packaging service 'G760' – set up
SAC03	559	Agency Qualifier Code	X	ID	2/2	not used
SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code	X	AN	1/10	not used
SAC05	610	Amount	O/Z	N2	1/15	total 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 or Base for Measurement Code	X	ID	2/2	not used
SAC10	380	Quantity	X/Z	R	1/15	not used

SAC – SERVICE, PROMOTION, ALLOWANCE, OR CHARGE INFORMATION						
REF. DES.	DATA ELEMENT	NAME	ATTRIBUTE			VALUE / DESCRIPTION
SAC11	380	Quantity	O	R	1/15	not used
SAC12	331	Allowance or Charge Method of Handling Code	O	ID	2/2	'06' – charge to be paid by KA
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

**TABLE 3:**

TDS – TOTAL MONETARY VALUE SUMMARY						
REF. DES.	DATA ELEMENT	NAME	ATTRIBUTE			VALUE / DESCRIPTION
		SEGMENT ID	M	ID	2/3	'TDS'
TDS01	610	Amount	M/Z	N2	1/15	total amount of invoice including charges less allowances
TDS02	610	Amount	O/Z	N2	1/15	not used
TDS03	610	Amount	O/Z	N2	1/15	not used
TDS04	610	Amount	O/Z	N2	1/15	not used

SAC – SERVICE, PROMOTION, ALLOWANCE, OR CHARGE INFORMATION						
REF. DES.	DATA ELEMENT	NAME	ATTRIBUTE			VALUE / DESCRIPTION
		SEGMENT ID	O	ID	3/3	'SAC'
SAC01	248	Allowance or Charge Indicator	M/Z	ID	1/1	'C' – charge
SAC02	1300	Service, Promotion, Allowance, or Charge Code	X	ID	4/4	'C590' – emergency surcharge 'D200' – freight charges to destination 'D240' – freight charge 'F150' – packaging service

SAC – SERVICE, PROMOTION, ALLOWANCE, OR CHARGE INFORMATION						
REF. DES.	DATA ELEMENT	NAME	ATTRIBUTE			VALUE / DESCRIPTION
						'G760' – set up
SAC03	559	Agency Qualifier Code	X	ID	2/2	not used
SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code	X	AN	1/10	not used
SAC05	610	Amount	O/Z	N2	1/15	total 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 or Base 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 or Charge Method of Handling Code	O	ID	2/2	'06' – charge to be paid by KA
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

CTT – Transaction Totals						
REF. DES.	DATA ELEMENT	NAME	ATTRIBUTE			VALUE / DESCRIPTION
		<b>SEGMENT ID</b>	<b>M</b>	<b>ID</b>	<b>3/3</b>	<b>'CTT'</b>
CTT01	354	Number of Line Items	M	N0	1/6	total number of IT1 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

<b>SE – TRANSACTION SET TRAILER</b>						
REF. DES.	DATA ELEMENT	NAME	ATTRIBUTE			VALUE / DESCRIPTION
		<b>SEGMENT ID</b>	<b>M</b>	<b>ID</b>	<b>2/2</b>	<b>'SE'</b>
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'

<b>GE – FUNCTIONAL GROUP TRAILER</b>						
REF. DES.	DATA ELEMENT	NAME	ATTRIBUTE			VALUE / DESCRIPTION
		<b>SEGMENT ID</b>	<b>M</b>	<b>ID</b>	<b>2/2</b>	<b>'GE'</b>
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'

<b>IEA – INTERCHANGE TRAILER</b>						
REF. DES.	DATA ELEMENT	NAME	ATTRIBUTE			VALUE / DESCRIPTION
		<b>SEGMENT ID</b>	<b>M</b>	<b>ID</b>	<b>3/3</b>	<b>'IEA'</b>
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:**

**Sample EDI**

ISA\*00\*\_\_\_\_\_ \*00\*\_\_\_\_\_ \*your.choice\*your.choice  
 \*01\*193810496\_\_\_\_\_ \*990206\*1423\*U\*00401\*000000015\*0\*P\*~<  
 GS\*IN \* your.choice \*FAC83\* 990206\*1423\*15\*X\*004010<  
 ST\*810\*0023<  
 BIG\*2000205\*312344<  
 REF\*PK\*702828<  
 N1\*ST\*ACME DISTRIBUTORS-RACINE \*92\*44442211<  
 N3\*125 S. MAPLE ST<  
 N4\*RACINE\*WI<  
 ITD\*05<  
 DTM\*011\*2000205<  
 IT1\*\*2\*EA\*2.78\*\*BP\*AK1234\*PO\*KA1211<  
 PID\*F\*\*\*MUD FLAP<  
 IT1\*\*1\*EA\*122.89\*\*BP\*6127-81-7190\*PO\*KA1211<  
 PID\*F\*\*\*ALTERNATOR<  
 SAC\*C\*G760\*\*\*3345<  
 TDS\*18340<  
 SAC\*C\*D240\*\*\*2150<  
 CTT\*2<  
 SE\*17\*0023<  
 GE\*1\*15<  
 IEA\*1\*000000015<

**Discussion**

The underlines “\_” represent mandatory spaces in this example  
 FAC83 indicates Ripley, TN service parts  
 Invoice number 312344, date 02-05-2000  
 Optional packing list number 702838  
 Ship to customer location 44442211  
 No discount available  
 Shipped date 02-05-2000  
 First order line  
 Second order line with line item sundry charges  
 Set up charge of \$33.45  
 Total invoice amount of \$183.40  
 Trailer level sundry freight charge of \$21.50