

Komatsu America

4010 ASC X12.820
Payment Order / Remittance Advice

Implementation Guideline

January 10, 2002

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Introduction

This document provides the format and establishes the data content of the Payment Order / Remittance Advice transaction set. This transaction provides Komatsu America's suppliers with detailed information about payments made and associated check or wire transfer numbers. It also provides detailed information regarding payment amounts to be applied to specific supplier invoices. This document does not address requirements for Electronic Funds Transfers (EFT).

General Rules

1. The ENT segment in the Detail section, is required for syntactical correctness. No data is used from this segment.
2. Komatsu America requires functional acknowledgments (997) for all EDI transactions sent.

820 Payment Order / Remittance Advice

Table 1

PAGE	POS.	USED?	SEG. ID.	SEGMENT NAME	REQ. DES.	MAX USE	LOOP REPEAT
7	010	Yes	ST	Transaction Set Header	M	1	
7	020	Yes	BPR	Beginning Segment for Payment Order / Remittance Advice	M	1	
	030		NTE	Note / Special Instruction	O	>1	
	035		TRN	Trace	O	1	
8	040	Yes	CUR	Currency	O	1	
8	050	Yes	REF	Reference Numbers	O	>1	
9	060	Yes	DTM	Date / Time Reference	O	>1	
LOOP ID - N1							>1
9	070	Yes	N1	Name	O	1	
	080		N2	Additional Name Information	O	>1	
	090		N3	Address Information	O	>1	
	100		N4	Geographic Location	O	1	
	110		REF	Reference Numbers	O	>1	
	120		PER	Administrative Communications Contact	O	>1	
	130		RDM	Remittance Delivery Method	O	1	
	140		DTM	Date / Time Reference	O	1	

Table 2

PAGE	POS.	USED?	SEG. ID.	SEGMENT NAME	REQ. DES.	MAX USE	LOOP REPEAT
9	010	Yes	ENT	Entity	O	1	
LOOP ID - ENT							>1
LOOP ID - NM1							>1
	020		NM1	Name	O	1	
	030		N2	Additional Name Information	O	>1	
	040		N3	Address Information	O	>1	
	050		N4	Geographic Location	O	1	
	060		REF	Reference Numbers	O	>1	
	070		PER	Administrative Communications Contact	O	>1	
LOOP ID - ADX							>1
	080		ADX	Adjustment	O	1	
	090		NTE	Note / Special Instruction	O	>1	
	100		PER	Administrative Communication Contact	O	>1	
	105		DTM	Date / Time Reference	O	1	
LOOP ID - REF							>1
	110		REF	Reference Numbers	O	1	
	120		DTM	Date / Time Reference	O	>1	
LOOP ID - IT1							>1
	130		IT1	Baseline Item Data (Invoice)	O	1	
LOOP ID - REF							>1
	140		REF	Reference Numbers	O	1	
	141		DTM	Date / Time Reference	O	1	

PAGE	POS.	USED?	SEG. ID.	SEGMENT NAME	REQ. DES.	MAX USE	LOOP REPEAT
				LOOP ID - SAC			>1
	142		SAC	Service, Promotion, Allowance, or Charge Information	0	1	
	143		TXI	Tax Information	0	>1	
				LOOP ID - SLN			>1
	144		SLN	Subline Item Detail	0	1	
				LOOP ID - REF			>1
	145		REF	Reference Numbers	0	1	
	146		DTM	Date / Time Reference	0	>1	
				LOOP ID - SAC			>1
	147		SAC	Service, Promotion, Allowance, or Charge Information	0	1	
	148		TXI	Tax Information	0	>1	
				LOOP ID - RMR			>1
10	150	Yes	RMR	Remittance Advice Accounts Receivable Open Item Reference	0	1	
	160		NTE	Note / Special Instruction	0	>1	
	170		REF	Reference Numbers	0	>1	
10	180	Yes	DTM	Date / Time Reference	0	>1	
				LOOP ID - IT1			>1
	190		IT1	Baseline Item Data (Invoice)	0	1	
				LOOP ID - REF			>1
	200		REF	Reference Numbers	0	1	
	201		DTM	Date / Time Reference	0	1	
				LOOP ID - SAC			>1
	202		SAC	Service, Promotion, Allowance, or Charge Information	0	1	
	203		TXI	Tax Information	0	>1	
				LOOP ID - SLN			>1
	204		SLN	Subline Item Detail	0	1	
				LOOP ID - REF			>1
	205		REF	Reference Numbers	0	1	
	206		DTM	Date / Time Reference	0	>1	
				LOOP ID - SAC			>1
	207		SAC	Service, Promotion, Allowance, or Charge Information	0	1	
	208		TXI	Tax Information	0	>1	
				LOOP ID - ADX			>1
	210		ADX	Adjustment	0	1	
	220		NTE	Note / Special Instruction	0	>1	
	230		PER	Administrative Communications Contact	0	>1	
				LOOP ID - REF			>1
	240		REF	Reference Numbers	0	1	
	250		DTM	Date / Time Reference	0	>1	
				LOOP ID - IT1			>1
	260		IT1	Baseline Item Data (Invoice)	0	1	
				LOOP ID - REF			>1
	270		REF	Reference Numbers	0	1	
	271		DTM	Date / Time Reference	0	1	

PAGE	POS.	USED?	SEG. ID.	SEGMENT NAME	REQ. DES.	MAX USE	LOOP REPEAT
				LOOP ID - SAC			>1
	272		SAC	Service, Promotion, Allowance, or Charge Information	0	1	
	273		TXI	Tax Information	0	>1	
				LOOP ID - SLN			>1
	274		SLN	Subline Item Detail	0	1	
				LOOP ID - REF			>1
	275		REF	Reference Numbers	0	1	
	276		DTM	Date / Time Reference	0	>1	
				LOOP ID - SAC			>1
	277		SAC	Service, Promotion, Allowance, or Charge Information	0	1	
	278		TXI	Tax Information	0	>1	
				LOOP ID - TXP			>1
	280		TXP	Tax Payment	0	1	
	285		TXI	Tax Information	0	>1	
				LOOP ID - DED			>1
	287		DED	Deductions	0	1	
				LOOP ID - LX			>1
	290		LX	Assigned Number	0	1	
	295		REF	Reference Numbers	0	>1	
	300		TRN	Trace	0	>1	
				LOOP ID - NM1			>1
	305		NM1	Individual or Organization Name	0	1	
	310		REF	Reference Numbers	0	>1	
	315		G53	Maintenance Type	0	1	
				LOOP ID - AIN			>1
	320		AIN	Income	0	1	
	325		QTY	Quantity	0	>1	
	330		DTP	Date or Time or Period	0	>1	
				LOOP ID - PEN			>1
	335		PEN	Pension Information	0	1	
	340		AMT	Monetary Amount	0	>1	
	345		DTP	Date or Time or Period	0	>1	
				LOOP ID - INV			>1
	350		INV	Investment Vehicle Selection	0	1	
	355		DTP	Date or Time or Period	0	>1	
				LOOP ID - N9			1
	360		N9	Reference Identification	0	1	
				LOOP ID - AMT			>1
	370		AMT	Monetary Amount	0	1	
	380		REF	Reference Identification	0	>1	
				LOOP ID - N1			>1
	390		N1	Name	0	1	
	400		REF	Reference Identification	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>
				LOOP ID - EMS			>1
	410		EMS	Employment Position	0	1	
	420		ATN	Attendance	0	>1	
	430		AIN	Income	0	>1	
	440		PYD	Payroll Deduction	0	>1	
				LOOP ID - RYL			>1
	450		RYL	Royalty Payment	0	1	
				LOOP ID - NM1			>1
	460		NM1	Individual or Organization Name	0	1	
				LOOP ID - LOC			>1
	470		LOC	Location	0	1	
				LOOP ID - PID			>1
	480		PID	Production/Item Description	0	1	
	490		DTM	Date/Time Reference	0	1	
				LOOP ID - PCT			>1
	500		PCT	Percent Amounts	0	1	
	510		QTY	Quantity	0	1	
				LOOP ID - AMT			>1
	520		AMT	Monetary Amount	0	1	
	530		ADX	Adjustment	0	>1	
				LOOP ID - ASM			>1
	540		ASM	Amount and Settlement Method	0	1	
	550		ADX	Adjustment	0	1	

Summary

<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>
11	010	Yes	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	Acknowledgement Requested	M	ID	1/1	'0'
ISA15	I14	Test 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	'RA'
GS02	142	Application Sender's Code	M	AN	2/15	'193810496'
GS03	124	Application Receiver's Code	M	AN	2/15	<i>Your Choice</i>
GS04	373	Date	M	DT	6/6	YYMMDD
GS05	337	Time	M	TM	4/8	HHMM
GS06	28	Group Control Number	M	N0	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'

HEADER:

ST – TRANSACTION SET HEADER:						
REF. DES.	DATA ELEMENT	NAME	ATTRIBUTE			VALUE / DESCRIPTION
		SEGMENT ID	M	ID	2/2	'ST'
ST01	143	Transaction Set ID	M	ID	3/3	'820'
ST02	329	Transaction Set Control Number	M	AN	4/9	'000000001' {Increment}

BPR – BEGINNING SEGMENT FOR PAYMENT ORDER / REMITTANCE ADVICE						
REF. DES.	DATA ELEMENT	NAME	ATTRIBUTE			VALUE / DESCRIPTION
		SEGMENT ID	M	ID	3/3	'BPR'
BPR01	305	Transaction Handling Code	M	ID	1/1	'I', Remittance information only
BPR02	782	Monetary Amount	M	R	1/15	Total amount of all payments or remittances
BPR03	481	Credit / Debit Flag	M	ID	1/1	'C' – credit
BPR04	591	Payment Method Code	M	ID	3/3	'CHK' - check 'ACH' - EFT
BPR05	812	Payment Format Code	O	ID	1/10	not used
BPR06	506	(DFI) ID Number Qualifier	C	ID	2/2	not used
BPR07	507	(DFI) Identification Number	C	AN	3/12	not used
BPR08	569	Account Number Qualifier	O	ID	1/3	not used
BPR09	508	Account Number	C	AN	1/35	not used
BPR10	509	Originating Company Identifier	O	AN	10/10	not used
BPR11	510	Originating Company Supplemental Code	O	AN	9/9	not used
BPR12	506	(DFI) ID Number Qualifier	C	ID	2/2	not used
BPR13	507	(DFI) Identification Number	C	AN	3/12	not used
BPR14	569	Account Number Qualifier	O	ID	1/3	not used
BPR15	508	Account Number	C	AN	1/35	not used
BPR16	373	Date	O	DT	6/6	not used
BPR17	1048	Business Function Code	O	ID	1/3	not used
BPR18	506	(DFI) ID Number Qualifier	C	ID	2/2	not used
BPR19	507	(DFI) Identification Number	C	AN	3/12	not used
BPR20	569	Account Number Qualifier	O	ID	1/3	not used
BPR21	508	Account Number	C	AN	1/35	not used

CUR – CURRENCY						
REF. DES.	DATA ELEMENT	NAME	ATTRIBUTE			VALUE / DESCRIPTION
		SEGMENT ID	M	ID	3/3	'CUR'
CUR01	98	Entity Identifier Code	M	ID	2/2	'ZZ'
CUR02	100	Currency Code	M	ID	3/3	'USD' - U.S. dollars 'CAD' - Canadian dollars
CUR03	280	Exchange Rate	C	R	4/6	not used
CUR04	98	Entity Identifier Code	O	ID	2/2	not used
CUR05	100	Currency Code	O	ID	3/3	not used
CUR06	669	Currency Market/Exchange Code	O	ID	3/3	not used
CUR07	374	Date / Time Qualifier	C	ID	3/3	not used
CUR08	373	Date	O	DT	6/6	not used
CUR09	337	Time	O	TM	4/8	not used
CUR10	374	Date / Time Qualifier	C	ID	3/3	not used
CUR11	373	Date	O	DT	6/6	not used
CUR12	337	Time	O	TM	4/8	not used
CUR13	374	Date / Time Qualifier	C	ID	3/3	not used
CUR14	373	Date	O	DT	6/6	not used
CUR15	337	Time	O	TM	4/8	not used
CUR16	374	Date / Time Qualifier	C	ID	3/3	not used
CUR17	373	Date	O	DT	6/6	not used
CUR18	337	Time	O	TM	4/8	not used
CUR19	374	Date / Time Qualifier	C	ID	3/3	not used
CUR20	373	Date	O	DT	6/6	not used
CUR21	337	Time	O	TM	4/8	not used

REF – REFERENCE NUMBERS						
REF. DES.	DATA ELEMENT	NAME	ATTRIBUTE			VALUE / DESCRIPTION
		SEGMENT ID	M	ID	3/3	'REF'
REF01	128	Reference Number Qualifier	M	ID	2/2	'CK' – check number 'EM' – Electronic payment reference number
REF02	127	Reference Number	C	AN	1/30	for 'CK' - Check number for 'EM' - Payment run document number
REF03	352	Description	C	AN	1/80	not used
REF04	C040	Reference Identifier	O/Z			not used

DTM – DATE / TIME REFERENCE						
REF. DES.	DATA ELEMENT	NAME	ATTRIBUTE			VALUE / DESCRIPTION
		SEGMENT ID	M	ID	3/3	'DTM'
DTM01	374	Date / Time Qualifier	M	ID	3/3	'948' – payment initiated
DTM02	373	Date	C	DT	8/8	Payment date (YYYYMMDD)
DTM03	337	Time	C	TM	4/8	not used
DTM04	623	Time Code	O	ID	2/2	not used
DTM05	1250	Date Time Period Format Qualifier	C	ID	2/3	not used
DTM06	1251	Date Time Period	C	AN	1/35	not used

N1 – NAME						
REF. DES.	DATA ELEMENT	NAME	ATTRIBUTE			VALUE / DESCRIPTION
		SEGMENT ID	M	ID	3/3	'DTM'
N101	98	Entity Identifier Code	M	ID	3/3	'PE' - payee
N102	93	Name	X	DT	8/8	not used
N103	66	Identification Code Qualifier	X	TM	4/8	'92'
N104	67	Identification Code	X	ID	2/2	Vendor code
N105	706	Entity Relationship Code	O	ID	2/3	not used
N106	98	Entity Identifier Code	O	AN	1/35	not used

DETAIL:

ENT – ENTITY						
REF. DES.	DATA ELEMENT	NAME	ATTRIBUTE			VALUE / DESCRIPTION
		SEGMENT ID	M	ID	3/3	'ENT'
ENT01	554	Assigned Number	O	NO	1/6	'1'
ENT02	98	Entity Identifier Code	C	ID	2/3	not used
ENT03	66	Identification Code Qualifier	C	ID	1/2	not used
ENT04	67	Identification Code	C	AN	2/80	not used
ENT05	98	Entity Identifier Code	C	ID	2/3	not used
ENT06	66	Identification Code Qualifier	C	ID	1/2	not used
ENT07	67	Identification Code	C	AN	2/80	not used
ENT08	128	Reference Number Qualifier	C	ID	2/3	not used
ENT09	127	Reference Number	C	AN	1/30	not used

RMR – REMITTANCE ADVICE						
REF. DES.	DATA ELEMENT	NAME	ATTRIBUTE			VALUE / DESCRIPTION
		SEGMENT ID	M	ID	3/3	'RMR'
RMR01	128	Reference Identification Qualifier	X	ID	2/3	'IV' - Invoice 'CL' - Credit Memo 'DL' - Debit Memo
RMR02	127	Reference Identification	X	AN	1/30	for 'IV' - Invoice number for 'CL' - Credit memo number for 'DL' - Debit memo number
RMR03	482	Payment Action Code	O/Z	ID	2/2	not used
RMR04	782	Monetary Amount	O/Z	R	1/18	Paid amount
RMR05	782	Monetary Amount	O/Z	R	1/18	Invoice amount
RMR06	782	Monetary Amount	O/Z	R	1/18	Discount amount taken
RMR07	426	Adjustment Reason Code	X	ID	2/2	not used
RMR08	782	Monetary Amount	X/Z	R	1/18	not used

DTM – DATE / TIME REFERENCE						
REF. DES.	DATA ELEMENT	NAME	ATTRIBUTE			VALUE / DESCRIPTION
		SEGMENT ID	M	ID	3/3	'DTM'
DTM01	374	Date / Time Qualifier	M	ID	3/3	'003' – invoice
DTM02	373	Date	C	DT	6/6	Invoice Date (YYYYMMDD)
DTM03	337	Time	C	TM	4/8	not used
DTM04	623	Time Code	O	ID	2/2	not used
DTM05	1250	Date Time Period Format Qualifier	C	ID	2/3	not used
DTM06	1251	Date Time Period	C	AN	1/35	not used

TRAILER:

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	N0	1/9	same as 'GS06'

IEA – INTERCHANGE TRAILER						
REF. DES.	DATA ELEMENT	NAME	ATTRIBUTE			VALUE / DESCRIPTION
		SEGMENT ID	M	ID	2/2	'SE'
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 sample EDI shows Payment Order / Remittance Advice. The transaction has one check paying three invoices, and accepting one credit memo.

Sample EDI

ISA*00*_____ *00*_____ *01*193810496_____ your.ch
oice*your.choice*030109*1423*U*00401*000000015*0P*~<

GS*RA*193810496*your.choice*030109*1423*15*X*004010<

ST*820*0023<

BPR*I*5234.56*C*CHK<

CUR*ZZ*USD<

REF*CK*12345<

DTM*003*20030109<

ENT*1<

RMR*IV*12341**1350*1500*150.00<

DTM*003*20030109<

RMR*IV*12342**1734.56*1734.56<

DTM*003*20030108<

RMR*IV*12343**2200*2200<

DTM*003*20030108<

RMR*CL*12344**-50<

DTM*188*20030109<

SE*15*0023<

GE*1*15<

IEA*1*000000015<

Discussion

The underlines “ ” represent mandatory spaces in this example

The transaction

Total amount \$5234.56 is a credit paid by a check

Check number

Payment date

ENT and segment is for syntactical correctness only. No data is used.

Invoice number, amount paid, invoice amount, discount

Invoice date

Invoice number, amount paid and invoice amount

Invoice date

Invoice number, amount paid and invoice amount

Invoice date

Credit memo number and amount

Credit memo date