

Message Implementation Guideline

CCUSA_003050_820

820

PrePayment Advice

ASC X12 003050

Version: 2.0

Issue date: 2020-07-17

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Change History

	Date	Chapter	Description
1.0	2019-08-29	All	Document created based on Series specification.
2.0	2020-07-17	All	Optional header level REF segment. SLN addition of PR.

Target Audience

This section (dealing with the EDI 820, PrePayment advice) is only for those suppliers who elect to receive it. This is an optional transaction that is sent by request. You can use it in a cash application activity to reconcile your records of what you have shipped with the payment you receive. Generally, your bank will send you an EDI820 that contains payment information summarized by (MBUSI's internal) invoice#. This transaction gives complete detail on the part numbers, quantities, and pricing used to compute the payment.

Introduction

MBUSI will send the Payment Order/Remittance Advice using the ASC X12 820 Transaction Set version 003050.

Only the Remittance Advice portion of the 820 will be used. This detail version is a pre-notification of part level components, and is the only payment information that suppliers will receive by EDI directly from MBUSI. This transaction will reflect MBUSI generated ERS (Evaluated Receipts Settlement) invoices. Non-productive ("indirect") materials, Service Parts, or parts bought with purchase orders or "spot buys," are not included in this process.

The final (monthly) payment made may include adjustments and miscellaneous supplier invoices. Suppliers must contact their own bank to get a summarized EDI file of the final payment made. This file is not available from MBUSI or MBUSI's bank.

For each segment, the elements of the segment are described. The tag is the ASC X12 element number. The name is the ASC X12 name for that element. This is followed by specifications detailing the ASC X12 3050 standard for that element number and the actual implementation used by MBUSI. This is presented with several values: the element status, element format, and element min/max values. If there is a variance between the standard and the implementation, MBUSI requires the supplier to comply with the implementation. The usage and remark give information about the value of that element and its description. One or more examples are shown for each segment.

Message Structure

No	Tag	St	MaxOcc	Level	Content
ISA LOOP					
1	ISA	M	1	0	Interchange Control Header
GS LOOP					
2	GS	M	1	1	Functional Group Header
ST LOOP					
3	ST	M	1	2	Transaction Set Header
4	BPR	M	1	2	Beginning Segment for Payment Order/Remittance Advice
5	TRN	M	1	2	Trace
6	REF	O	1	2	Reference Numbers
7	DTM	M	1	2	Date/Time Reference
8	N1	M	2	2	Name (Payee)
9	N1	M	2	2	Name (Payer)
10	ENT	M	1	2	Entity
11	RMR	M	1	2	Remittance Advice Accounts Receivable Open Item
IT1 LOOP					
12	IT1	M	1	3	Baseline Item Data
13	REF	M	1	3	Reference Numbers
14	DTM	M	1	3	Date/Time Reference
15	SLN	M	>1	3	Subline Item Detail
IT1 LOOP END					
16	SE	M	1	2	Transaction Set Trailer
ST LOOP END					
17	GE	M	1	1	Functional Group Trailer
GS LOOP END					
18	IEA	M	1	0	Interchange Control Trailer
ISA LOOP END					

Counter	No	Tag	St	MaxOcc	Level	Name
0000	1	ISA	M	1	0	Interchange Control Header

		Standard	Implementation	
Tag	Name	St Format	St Format	Usage / Remark
ISA				
I01	Authorization Information Qualifier	M ID 2/2	M ID 2/2	00 No Authorization Information Present (No Meaningful Information in I02)
I02	Authorization Information	M AN 10/10	M AN 10/10	
I03	Security Information Qualifier	M ID 2/2	M ID 2/2	00 No Security Information Present (No Meaningful Information in I04)
I04	Security Information	M AN 10/10	M AN 10/10	
I05	Interchange ID Qualifier	M ID 2/2	M ID 2/2	ZZ Mutually defined
I06	Interchange Sender ID	M ID 15/15	M AN 15/15	CCUSA
I05	Interchange ID Qualifier	M ID 2/2	M ID 2/2	01 Duns Number, 08-Phone Number, ZZ-Mutually defined
I07	Interchange Receiver ID	M ID 15/15	M AN 15/15	Left justify, space fill
I08	Interchange Date	M DT 6/6	M DT 6/6	
I09	Interchange Time	M TM 4/4	M TM 4/4	
I10	Interchange Control Standards Identifier	M ID 1/1	M ID 1/1	U U.S. EDI Community of ASC X12, TDCC, and UCS
I11	Interchange Control Version Number	M ID 5/5	M ID 5/5	00305 Standard Issued as ANSI X12.5-1987
I12	Interchange Control Number	M N0 9/9	M N0 9/9	A number that cannot be repeated in a one year time
I13	Acknowledgment Requested	M ID 1/1	M ID 1/1	0 No Acknowledgment Requested
I14	Test Indicator	M ID 1/1	M ID 1/1	P Production Data T Test Data
I15	Subelement Separator	M AN 1/1	M AN 1/1	

Remarks:

- Field I07 will hold the Interchange Sender ID of the supplier receiving the message (the supplier will provide this value to MBUSI)

Example:

ISA*00* *00* *ZZ*CCUSA *01*965061609 *190530*1120*U*00305*000000010*0*P*>~

Counter	No	Tag	St	MaxOcc	Level	Name
0000	2	GS	C	1	0	Functional Group Header

		Standard	Implementation		
Tag	Name	St Format	St Format	Usage / Remark	
GS					
479	Functional Identifier Code	M ID 2/2	M ID 2/2	RA	Remittance Advice
142	Application Sender's Code	M AN 2/12	M AN 2/15	CCUSA	
124	Application Receiver's Code	M AN 2/12	M AN 2/15		Supplier number from MBUSI's system
373	Date	M DT 6/6	M DT 6/6		
337	Time	M TM 4/4	M TM 4/8		
28	Group Control Number	M N0 1/9	M N0 1/9		
455	Responsible Agency Code	M ID 1/2	M ID 1/2	X	Accredited Standards Committee X12
480	Version / Release / Industry Identifier Code	M ID 1/12	M AN 1/12	003050	Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1994

Remark:

GS03 Application Receiver's Code will hold the supplier number from MBUSI's system for the receiver of the message.

Example:

GS*RA*CCUSA*15548622*190530*1120*10*X*003050~

Counter	No	Tag	St	MaxOcc	Level	Name
0010	3	ST	M	1	0	Transaction Set Header

Standard			Implementation		
Tag	Name	St Format	St Format	Usage / Remark	
ST					
143	Transaction Set Identifier Code	M ID 3/3	M ID 3/3	820 Payment Order/Remittance Advice	
329	Transaction Set Control Number	M AN 4/9	M AN 4/9	Must be the same as SE02	

Remark:

None

Example:

ST*820*119492~

Counter No	Tag	St	MaxOcc	Level	Name
4	BPR	M	1	0	Beginning Segment for Payment Order/Remittance Advice

Standard			Implementation		
Tag	Name	St Format	St Format	Usage / Remark	
BPR					
305	Transaction Handling Code	M ID 1/2	M ID 1/1	E	Debit/Credit advice with remittance detail
782	Monetary Amount	M R 1/15	M R 1/15		Total payment amount
478	Credit/Debit Flag Code	M ID 1/1	M ID 1/1	C D	A credit to receiver/debit to originator A debit to receiver/credit to originator (D will be accompanied by information in fields SLN11 through SLN26 for tracking defective material)
591	Payment Method Code	M ID 3/3	M ID 3/3	NON	Non-payment Data
812	Payment Format Code	O ID 1/10			Not used
506	DFI ID Number Qualifier	C ID 2/2			Not used
507	DFI Identification Number	C AN 3/12			Not used
569	Account Number Qualifier	O ID 1/3			Not used
508	Account Number	C AN 1/35			Not used
509	Originating Company Identifier	O AN 10/10	O AN 10/10		Should match TRN03
510	Originating Company Supplemental Code	O AN 9/9	O AN 9/9	CCUSA	Should match TRN04

Remark:

The "D" (debit) may occur in situations such as returns of damaged (DMT) material or non-conforming parts. See also section on SLN segment.

Dollar values are always reported as positive numbers, even in debit memos.

Example:

BPR*E*80.29*C*NON*****4603190488*CCUSA ~

Counter	No	Tag	St	MaxOcc	Level	Name
	5	TRN	M	1	1	Trace

Standard			Implementation		
Tag	Name	St Format	St Format	Usage / Remark	
TRN					
481	Trace Type Code	M ID 1/2	M ID 1/2	1 Current Transaction Trace Numbers	
127	Reference Number	M AN 1/30	M AN 1/30	MBUSI Batch Number	
509	Originating Company Identifier	O AN 10/10	O AN10/10	Should match BPR10	
127	Reference Number	O AN 1/30	O AN 1/30	CCUSA Should match BPR11	

Remark:

None

Example:

TRN*1*16519264*4603190488*CCUSA~

Counter	No	Tag	St	MaxOcc	Level	Name
	6	REF	O	1	1	Reference Numbers

Standard			Implementation		
Tag	Name	St Format	St Format	Usage / Remark	
REF					
128	Reference Number Qualifier	M ID 2/2	M AN 2/2	SI	
127	Reference Number	C AN 1/30	M R 1/30	Delivery Note Number	
352	Description	C AN 1/80		Not used	

Remark:

This segment is optional and must be requested. Direct requests to the MBUSI EDI team to activate segment.

Example:

REF*SI*123456~

Counter	No	Tag	St	MaxOcc	Level	Name
	7	DTM	M	1	1	Date/Time Reference

Standard			Implementation			
Tag	Name	St Format	St Format		Usage / Remark	
DTM						
374	Date/Time Qualifier	M ID 3/3	M ID	3/3	097 Transaction Creation	
373	Date	C DT 6/6	C DT	6/6	Creation date in format YYMMDD	
337	Time	C TM 4/8			Not used	
623	Time Code	O ID 2/2			Not used	
624	Century	O N0 2/2	O N0	2/2	20 Century	
1250	Date Time Period Format Qualifier	C ID 2/3			Not used	
1251	Date Time Period	C AN 1/35			Not used	

Remark:

None

Example:

DTM*097*150624***20~

Counter	No	Tag	St	MaxOcc	Level	Name
	8	N1	M	2	1	Name (Payee)

Standard			Implementation		
Tag	Name	St Format	St Format	Usage / Remark	
N1					
98	Entity Identifier Code	M ID 2/2	M ID 2/2	PE Payee	
93	Name	C AN 1/35	M AN 1/35	Payee's name	
66	Identification Code Qualifier	C ID 1/2	M ID 2/2	93 Assigned by Buyer or Buyer's Agent	
67	Identification Code	C AN 2/20	M AN 2/10	MBUSI supplier number	

Remark:

None

Example:

N1*PE*AMERICAN WIDGET FACTORY*92*15548622~

Counter	No	Tag	St	MaxOcc	Level	Name
	9	N1	M	2	1	Name (Payer)

Standard			Implementation		
Tag	Name	St Format	St Format	Usage / Remark	
N1					
98	Entity Identifier Code	M ID 2/2	M ID 2/2	PR Payer	
93	Name	C AN 1/35	M AN 1/35	CCUSA	
66	Identification Code Qualifier	C ID 1/2	M ID 2/2	92 Assigned by Buyer or Buyer's Agent	
67	Identification Code	C AN 2/20	M AN 2/6	CCUSA	

Remark:

None

Example:

N1*PR*CCUSA*92*CCUSA~

Counter	No	Tag	St	MaxOcc	Level	Name
	10	ENT	M	1	1	Entity

Standard			Implementation		
Tag	Name	St Format	St Format	Usage / Remark	
ENT					
554	Assigned Number	O N0 1/6	M N0 1/6		1
98	Entity Identifier Code	C ID 2/2			Not used
66	Identification Code Qualifier	C ID 1/2			Not used
67	Identification Code	C AN 2/20			Not used
98	Entity Identifier Code	C ID 2/2			Not used
66	Identification Code Qualifier	C ID 1/2			Not used
67	Identification Code	C AN 2/20			Not used
128	Reference Number Qualifier	C ID 2/2			Not used
127	Reference Number	C AN 1/30			Not used

Remark:

None

Example:

ENT*1~

Counter	No	Tag	St	MaxOcc	Level	Name
	11	RMR	M	?	1	Remittance Advice Accounts Receivable Open Item

Standard			Implementation		
Tag	Name	St Format	St Format	Usage / Remark	
RMR					
128	Reference Number Qualifier	C ID 2/2	M ID 2/2	IK (SAP) Invoice Number	
127	Reference Number	C AN 1/30	M AN 1/30	MBUSI Internal Invoice Number	
482	Payment Action Code	O ID 2/2		Not used	
782	Monetary Amount	O R 1/15		Not used	
777	Total Invoice or Credit/Debit Amount	- - -----	M R 1/15	Total Invoice Amount in USD	

Remark:

MBUSI Internal Invoice Number is generated by MBUSI's SAP system.

This reference number given here acts as a "seller's invoice number." It is internally generated by MBUSI's SAP system as a part of self-billing. The supplier can refer to this number when communicating to MBUSI for resolving discrepancies, as it will appear inside MBUSI's SAP system as a vendor invoice number.

For the detail version of the 820 the RMR05 value is equal to the extended value (IT102 * IT104) of all IT1 segments below it.

Example:

RMR*IK*5150018356***1645.32~

Counter	No	Tag	St	MaxOcc	Level	Name
	12	IT1	M	>1	1	Baseline Item Data

Standard			Implementation		
Tag	Name	St Format	St Format	Usage / Remark	
IT1					
350	Assigned Identification	O AN 1/11	M AN 1/11	Line Item Number	
358	Quantity Invoiced	C R 1/10	M R 1/10	Actual Quantity of Parts Used/Received	
355	Unit or Basis for Measurement	C ID 2/2	M ID 2/2	Dynamic, based on value in SAP for piece parts, contains "EA" – Each	
212	Unit Price (US dollars)	C R 1/17	M R 1/17		
639	Basis of Unit Price Code	O ID 2/2	M ID 2/2	UM	Price per Unit of Measure
				PN	Price per 10
				HP	Price per 100
				TP	Price per 1000
235	Product/Service Qualifier	O ID 2/2	M ID 2/2	BP	Buyer's Part Number
234	Product/Service ID	C AN 1/40	M AN 1/40	MBUSI Part Number	
235	Product/Service Qualifier	O ID 2/2	M ID 2/2	PD	Part Description
234	Product/Service ID	C AN 1/40	M AN 1/40	MBUSI Part Description	

Remark:

None

Example:

IT1*1*100*EA*0.8*UM*BP*A0009903519*PD*COMBI HEXAGON HEAD BOLT~

Counter	No	Tag	St	MaxOcc	Level	Name
	13	REF	M	>1	2	Reference Numbers

Standard			Implementation		
Tag	Name	St Format	St Format	Usage / Remark	
REF					
128	Reference Number Qualifier	M ID 2/2	M AN 2/2	VV Voucher Number	
127	Reference Number	C AN 1/30	M R 1/30	MBUSI (SAP) Internal Invoice Number	
352	Description	C AN 1/80		Not used	

Remark:

None

Example:

REF*VV*4600710554~

Counter	No	Tag	St	MaxOcc	Level	Name
	14	DTM	M	>1	2	Date/Time Reference

Standard			Implementation		
Tag	Name	St Format	St Format	Usage / Remark	
DTM					
374	Date/Time Qualifier	M ID 3/3	M ID 3/3	050	Voucher Number
373	Date	C DT 6/6	M DT 6/6		Receipt Date or Offline Date
337	Time	C TM 4/8			Not used
623	Time Code	O ID 2/2			Not used
624	Century	O N0 2/2	O N0 2/2	20	
1250	Date Time Period Format Qualifier	C ID 2/3			Not used
1251	Date Time Period	C AN 1/35			Not used

Remark:

None

Example:

DTM*050*050409***20~

Counter	No	Tag	St	MaxOcc	Level	Name
---------	----	-----	----	--------	-------	------

15 **SLN** M >1 2 Subline Item Detail

Standard			Implementation		
Tag	Name	St Format	St Format	Usage / Remark	
SLN					
350	Assigned Identification	M AN 1/11	M N 1/11	Voucher Number	
350	Assigned Identification	O AN 1/11	O AN 1/11	Part Number ID Number	
662	Relationship Code	M ID 1/1	M ID 1/1	I Included	
380	Quantity	M R 1/15	M R 1/15	Quantity of parts received	
355	Unit or Basis for Measurement	M ID 2/2	M ID 2/2	Dynamic; "EA" for piece parts	
212	Unit Price	C R 1/17		Not used	
639	Basis of Unit Price Code	O ID 2/2		Not used	
662	Relationship Code	O ID 1/1		Not used	
235	Product/Service ID Qualifier	C ID 2/2	M ID 2/2	SI or PR	
234	Product/Service ID	C AN 1/40	C AN 1/30	When SI: <ul style="list-style-type: none"> ○ ASN Number for Credits ○ Quality notification for Debits When PR: <ul style="list-style-type: none"> ○ Production Order Number 	

Credit Example:

SLN*4603190488**I*100*EA****SI*10428701~

Debit Example:

SLN*4604529488**I*24*EA****SI*001000000022~

Counter	No	Tag	St	MaxOcc	Level	Name
0020	16	SE	M	1	0	Transaction Set Trailer

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
SE				
96	Number of Included Segments	M N0 1/10	M N0 1/10	
329	Transaction Set Control Number	M AN 4/9	M AN 4/9	Must be the same as ST02

Remark:

None

Example:

SE*25*119492~

Counter No	Tag	St	MaxOcc	Level	Name
17	GE	M	1	0	Functional Group Trailer

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
GE				
97	Number of Transaction Sets Included	M N0 1/6	M N0 1/6	
28	Group Control Number	M N0 1/9	M N0 1/9	Must match the Group Control Number in GS06

Remark:

None

Example:

GE*1*1751~

Counter No	Tag	St	MaxOcc	Level	Name
18	IEA	M	1	0	Interchange Control Trailer

		Standard	Implementation	
Tag	Name	St Format	St Format	Usage / Remark
IEA				
I16	Number of Included Functional Groups	M N0 1/5	M N0 1/5	
I12	Interchange Control Number	M N0 9/9	M N0 9/9	

Remark:

None

Example:

IEA*1*000001751~

Appendix

Element Status Legend

- M mandatory
- C conditional
- O optional

Element Format Legend

- Nn* integer (with *n* specified decimal spaces, ie. N0 is an integer with no decimal places)
- R real number (explicit decimal point)
- AN alphanumeric
- DT date (always 6 characters YYMMDD)
- TM time (4 HHMM, 6 HHMMSS, 7 HHMMSS, 8 HHMMSSDD)
- ID defined code

Example message

The following is an example of an EDI Payment Order/Remittance Advice.

```
ISA*00*                *00*                *ZZ*CCUSA                *01*965061609
*190530*1120*U*00305*000000010*0*T*>~
GS*RA*CCUSA*15548622*190530*1120*10*X*003050~
ST*820*0001~
BPR*E*80.29*C*NON*****4603190488*CCUSA    ~
TRN*1*16519264*4603190488*CCUSA~
REF*SI*10428701~
DTM*097*190502***20~
N1*PE*AMERICAN WIDGET FACTORY*93*15548622~
N1*PR*CCUSA*92*CCUSA~
ENT*1~
RMR*IK*4603190488***80.29~
IT1*1*100*EA*0.8*UM*BP*A0009903519*PD*COMBI HEXAGON HEAD BOLT~
REF*VV*4603190488~
DTM*050*190228***20~
SLN*4603190488**I*100*EA***SI*10428701~
SE*13*0001~
GE*1*10~
IEA*1*000000010~
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