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# MB ExTra LLC 820 EDI Specifications

## *Message Implementation Guideline*

Based on: 820 Prepayment Advice

**ASC X12 003050**

Filename: MB ExTra\_820\_Inv\_v1.3

Version: 1.3

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## 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 by wire transfer. Generally, your bank will send you an EDI820 that contains payment information summarized by (MB ExTra LLC's internal) invoice#. This transaction gives complete detail on the part numbers, quantities, and pricing (by ASN) used to compute the payment.

## Introduction

MB ExTra LLC 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 MB ExTra LLC. This transaction will reflect MB ExTra LLC 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 MB ExTra LLC or MB ExTra LLC'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 MB ExTra LLC. 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, MB ExTra LLC 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.

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

Counter	No	Tag	St	MaxOcc	Level	Name
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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	<b>00 No Authorization Information Present</b> (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	<b>00 No Security Information Present</b> (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	<b>01 Duns Number</b>
I06	Interchange Sender ID	M ID 15/15	M AN 15/15	<b>DAI_147CBFC_P</b> (see remark 1)
I05	Interchange ID Qualifier	M ID 2/2	M ID 2/2	<b>ZZ-Mutually defined, 01-Duns Number, 08-Phone Number</b>
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	<b>Creation date in format YYMMDD</b>
I09	Interchange Time	M TM 4/4	M TM 4/4	
I10	Interchange Control Standards Identifier	M ID 1/1	M ID 1/1	<b>U U.S. EDI Community of ASC X12, TDCC, and UCS</b>
I11	Interchange Control Version Number	M ID 5/5	M ID 5/5	<b>00305 Standard Issued as ANSI X12.5-1987</b>
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	<b>0 No Acknowledgment Requested</b>
I14	Test Indicator	M ID 1/1	M ID 1/1	<b>P Production Data T Test Data</b>
I15	Subelement Separator	M AN 1/1	M AN 1/1	

**Remarks:**

- Value for field I06 Interchange Sender ID will be "DAI\_147CBFC\_P" for all messages sent by MB ExTra
- Field I07 will hold the Interchange Sender ID of the supplier receiving the message (the supplier will provide this value to MB ExTra)

**Example:**

ISA\*00\* \*00\* \*01\*DAI\_147CBFC\_P \*ZZ\*EDISupplierID \*171122\*2203\*U\*003050\*000006887\*0\*P\*:~

Counter	No	Tag	St	MaxOcc	Level	Name
0000	2	<b>GS</b>	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	<b>RA Remittance Advice</b>
142	Application Sender's Code	M AN 2/12	M AN 2/15	<b>MBEX002 for all processes</b>
124	Application Receiver's Code	M AN 2/12	M AN 2/15	<b>Supplier number from MB ExTra system</b>
373	Date	M DT 6/6	M DT 6/6	<b>Creation date in format YYMMDD</b>
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	<b>X Accredited Standards Committee X12</b>
480	Version / Release / Industry Identifier Code	M ID 1/12	M AN 1/12	<b>003050 Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1994</b>

**Remark:**

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

**Example:**

GS\*RA\*MBEX002\*SUPPLIER\*171122\*0940\*1751\*X\*003050~

Counter	No	Tag	St	MaxOcc	Level	Name
0010	3	<b>ST</b>	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	<b>820 Payment Order/Remittance Advice</b>	
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	<b>BPR</b>	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	<b>E Debit/Credit advice with remittance detail</b>	
782	Monetary Amount	M R 1/15	M R 1/15	<b>Total payment amount</b>	
478	Credit/Debit Flag Code	M ID 1/1	M ID 1/1	<b>C A credit to receiver/debit to originator</b> <b>D A debit to receiver/credit to originator</b> (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	<b>NON Non-payment Data</b>	
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	<b>MBExtra</b> 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\*81984.00\*C\*NON\*\*\*\*\*3824839872\*MBExtra ~

Counter	No	Tag	St	MaxOcc	Level	Name
	5	<b>TRN</b>	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	<b>1 Current Transaction Trace Numbers</b>	
127	Reference Number	M AN 1/30	M AN 1/30	MB ExTra 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	<b>MBExtra</b> Should match BPR11	

**Remark:**

None

**Example:**

TRN\*1\*743-743\*3824839872\*MBExtra ~



Counter	No	Tag	St	MaxOcc	Level	Name
	6	<b>DTM</b>	M	1	1	Date/Time Reference

Standard			Implementation			
Tag	Name	St Format	St Format	St Format	Usage / Remark	
DTM						
374	Date/Time Qualifier	M ID 3/3	M ID 3/3			<b>097 Transaction Creation</b>
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			<b>20</b> 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\*171122\*\*\*20~

Counter	No	Tag	St	MaxOcc	Level	Name
	7	<b>N1</b>	M	2	1	<b>Name (Payee)</b>

Standard			Implementation		
Tag	Name	St Format	St Format	Usage / Remark	
N1					
98	Entity Identifier Code	M ID 2/2	M ID 2/2	<b>PE Payee</b>	
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	<b>93 Assigned by Buyer or Buyer's Agent</b>	
67	Identification Code	C AN 2/20	M AN 2/10	MB ExTra supplier number	

**Remark:**

None

**Example:**

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

Counter	No	Tag	St	MaxOcc	Level	Name
	8	<b>N1</b>	M	2	1	<b>Name (Payer)</b>

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

**Remark:**

None

**Example:**

N1\*PR\* Mercedes-Benz ExTra\*92\*MBExtra \*~

Counter	No	Tag	St	MaxOcc	Level	Name
	9	<b>ENT</b>	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		<b>1</b>
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
	10	<b>RMR</b>	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	<b>IK (SAP) Invoice Number</b>	
127	Reference Number	C AN 1/30	M AN 1/30	<b>MB ExTra Internal Invoice Number</b>	
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	<b>Total Invoice Amount in USD</b>	

**Remark:**

MB ExTra Internal Invoice Number is generated by MB ExTra SAP system.

This reference number given here acts as a "seller's invoice number." It is internally generated by MB ExTra SAP system as a part of self-billing. The supplier can refer to this number when communicating to MB ExTra for resolving discrepancies, as it will appear inside MB ExTra 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
	11	<b>IT1</b>	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		<b>Line Item Number</b>
358	Quantity Invoiced	C R 1/10	M R 1/10		<b>Actual Quantity of Parts Used/Received</b>
355	Unit or Basis for Measurement	C ID 2/2	M ID 2/2		<b>Dynamic, based on value in SAP</b> 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		<b>UM Price per Unit of Measure</b> <b>PN Price per 10</b> <b>HP Price per 100</b> <b>TP Price per 1000</b>
235	Product/Service Qualifier	O ID 2/2	M ID 2/2		<b>BP Buyer's Part Number</b>
234	Product/Service ID	C AN 1/40	M AN 1/40		<b>MB ExTra Part Number</b>
235	Product/Service Qualifier	O ID 2/2	M ID 2/2		<b>PD Part Description</b>
234	Product/Service ID	C AN 1/40	M AN 1/40		<b>MB ExTra Part Description</b>

**Remark:**

None

**Example:**

IT1\*000001\*23\*EA\*80.00\*UM\*BP\*A2512410234\*PD\*Ground Cable~

Counter	No	Tag	St	MaxOcc	Level	Name
	12	<b>REF</b>	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	<b>VV Voucher Number</b>
127	Reference Number	C AN 1/30	M R 1/30	<b>MB ExTra (SAP) Internal Invoice Number</b>
352	Description	C AN 1/80		Not used

**Remark:**

None

**Example:**

REF\*VV\*4600710554~

Counter	No	Tag	St	MaxOcc	Level	Name
	13	<b>DTM</b>	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	<b>050 Voucher Number</b>
373	Date	C	DT 6/6	M	DT 6/6	<b>Receipt Date or Offline Date</b>
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	<b>20</b>
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
	14	<b>SLN</b>	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	<b>Voucher Number</b>
350	Assigned Identification	O	AN 1/11	O	AN 1/11	<b>Part Number ID Number</b>
662	Relationship Code	M	ID 1/1	M	ID 1/1	<b>I Included</b>
380	Quantity	M	R 1/15	M	R 1/15	<b>Quantity of parts received</b>
355	Unit or Basis for Measurement	M	ID 2/2	M	ID 2/2	<b>Dynamic; "EA" for piece parts</b>
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	<b>SI ASN data related to the part</b>
234	Product/Service ID	C	AN 1/40	C	AN 1/30	<b>ASN Number (if SLN09 = "SI")</b>

The following 16 fields appear only in the case of **Debit memos**. Included in this area is information you need to contact the Supplier Quality Engineer to determine the reason for the Debit. The ID qualifiers used should pass filtering, but several have different meanings, as shown in the last column "Usage/Remark".

235	Product/Service ID Qualifier	O	ID 2/2	O	ID 2/2	<b>F7 End-Item Description (Notification item text)</b>
234	Product/Service ID	C	AN 1/40	O	AN 1/40	Notification item short text
235	Product/Service ID Qualifier	O	ID 2/2	O	ID 2/2	<b>SN Serial Number (Notification number)</b>
234	Product/Service ID	C	AN 1/40	O	AN 1/12	Notification number
235	Product/Service ID Qualifier	O	ID 2/2	O	ID 2/2	<b>RA Return Code (Damage code description)</b>
234	Product/Service ID	C	AN 1/40	O	AN 1/40	Damage code description
235	Product/Service ID Qualifier	O	ID 2/2	O	ID 2/2	<b>TC ID (Badge holder's name)</b>
234	Product/Service ID	C	AN 1/40	O	AN 1/30	Badge holder's name
235	Product/Service ID Qualifier	O	ID 2/2	O	ID 2/2	<b>BX Bill Credit Code (Subject text)</b>
234	Product/Service ID	C	AN 1/40	O	AN 1/40	Subject text
235	Product/Service ID Qualifier	O	ID 2/2	O	ID 2/2	<b>LC Condition Code (SQE name)</b>
234	Product/Service ID	C	AN 1/40	O	AN 1/25	SQE name
235	Product/Service ID Qualifier	O	ID 2/2	O	ID 2/2	<b>SB Submission number (SQE telephone number)</b>
234	Product/Service ID	C	AN 1/40	O	AN 1/16	SQE telephone number
235	Product/Service ID Qualifier	O	ID 2/2	O	ID 2/2	<b>ZZ Mutually defined (SQE fax number)</b>
234	Product/Service ID	C	AN 1/40	O	AN 1/31	SQE fax number

**Remarks:**

All parts whether CUME or JIS or JIT will have only ASN as reference. The EDI-820 contains as many lines as we have in the ASN from the vendor. If there are multiple lines per material in the ASN, then the EDI 820 also has multiple lines per material and since there is no line item identifier, a reconciliation at line item is not possible. The content of 856 has a bearing on the EDI 820 message received by the vendor.

**Examples:**

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**For all parts**

SLN\*4601152862\*\*I\*5\*EA\*\*\*SI\*DELIVERYNT\_001~

Counter	No	Tag	St	MaxOcc	Level	Name
0020	27	<b>SE</b>	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
	16	<b>GE</b>	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
	17	<b>IEA</b>	M	1	0	Interchange Control Trailer

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

**Remark:**

None

**Example:**

IEA\*1\*000001751~