



**BOOKNET  
CANADA**

**EDI Return Merchandise  
Authorization  
180 – Version 004010**

Revised Dec 2005

Version .91

Prepared by: Booknet Canada

Distribution: Industry-wide



## Table of Contents

Table of Contents .....	2
Change Log .....	1
EDI Requirements and Notes .....	2
ISA Segment .....	4
GS Segment.....	5
ST Segment .....	6
BGN Segment.....	7
<i>N9 Segment (authorization #)</i> .....	8
<i>PER Segment</i> .....	9
N1 Segment (Bill To) .....	10
N1 Segment (Ship To).....	11
N1 Segment (Vendor).....	12
BLI Segment.....	13
<i>N9 Segment (authorization #)</i> .....	15
PID Segment.....	16
<i>RDR Segment</i> .....	17
SAC Segment (allowance).....	18
SE Segment .....	19
GE Segment.....	20
IEA Segment .....	21
Sample Return Merchandise Authorization .....	22



## **Change Log**

### **October 6, 2005 (Doug Minett):**

Draft for EDI committee

### **Dec 15, 2005 (Doug Minett):**

PO1: note added for support of 'VN' (vendor number) main identifier.

PER: added explicit support of communication numbers

BLI: fixed ID description(s)

### **Dec 31, 2005 (Doug Minett):**

Clarified reference # usage in notes.

SAC: added SAC06/07 dependency requirement & notes.

## **EDI Requirements and Notes**

Segments and elements highlighted in bold are mandatory, while segments and elements in italics are optional.

Element Length: ISA segment contains fixed length elements. All other segments may have fixed or variable length elements.

If a segment is (OPTIONAL—REQUIRED) then it may or may not be sent but if sent then consider it a mandatory field as far as processing is concerned. For example if a DTM segment is sent with a cancel date then this segment must be processed.

Notes on document sequence:

Step #1: The retailer generates a 180N (Returns Merchandise Notification request) for items that it wishes to return, or potentially markdown.

Step #2: The supplier processes the request. Considerations during the processing may include: checking whether the items were purchased by the retailer, checking whether the items are still returnable, considering whether to offer markdowns if the items are not returned, considering whether to provide exception notes to retailer to encourage that they continue to hold an item.

Step #3: The supplier generates a 180A (Returns Merchandise Authorization response) which provides a complete response to the 180N. The response may include reasons for rejection, general RMA #, markdown authorization #(s), or exception notes for consideration by the retailer.

Step #4: The retailer does exception processing of the 180A that facilitates further consideration prior to final decisions to return/destroy goods, accept markdown offer(s).

Step #5: The retailer generates 856R (Advanced Ship Notice for returns), quoting necessary authorization numbers for supplier.

Step #6a: Following generation of the 856R and shipment of physical goods, 810DR (Invoice – Debit Memo) is generated, quoting necessary authorization numbers from the supplier.

Step #6b: Where markdown offer(s) are accepted, 810DR (Invoice – Debit Memo) is generated, quoting necessary authorization numbers from the supplier to obtain the offer.

Step #7: The supplier processes the various 810DR documents. This may involve cross-referencing an 810DR with an 856R as well as a previously sent 180A, or merely cross-referencing an 810DR with the previously sent 180A – in the case of markdown offer(s).

Step #8: The supplier generates an 810CR credit memo document in response to the 810DR.

Step #9: The retailer does exception processing that compares the 810CR against the original 810DR.

Note on reference numbers:

- *Transaction reference link* (return request #) between 180N and 180A: The value sent within the 180N BGN02 must be returned within the BGN06 in the 180A.
- *Transaction reference link* (claim ID#) between 856R, 810DR and 810CR: The value sent within REF02 of the 856R REF 'D9' segment must be repeated in the same location in the BIG02 in the 810DR and returned by the supplier in the REF 'D9' in the 810CR.
- *Authority reference for return (RMA#)* (where applicable) link between 180A, 856R, 810DR, and 810CR: The value sent within N902 of the N9 'RZ' segment in the 180A must be returned within the REF02 of the REF 'RZ' segment in the 856R and the 810DR.
- *Authority reference for markdown* (authorization #)(where applicable): The value sent within N902 of the N9 'BB' segment in the 180A must be returned within REF02 of the REF 'BB' segment in the 810DR (in Table 1 (document level) or where Table 1 value is over-ridden, in Table 2 (line level)).

**180 -Version 4010  
Return Merchandise Authorization  
(MANDATORY)**

**ISA Segment**

Example: ISA\*00\*            \*00\*            \*ZZ\*SND MB ID    \*ZZ\*RCV MB ID  
\*000930\*1105\*U\*00401\*000000001\*0\*P\*

Element	Value	Length	Comment
. ISA01	00	2	'00'
. ISA02		10	'        '
. ISA03	00	2	'00'
. ISA04		10	'        '
. ISA05	sender mailbox qualifier	2	'ZZ' Pubnet
. ISA06	sender mailbox ID	15	sender mailbox ID
. ISA07	receiver mailbox qualifier	2	'ZZ' Pubnet
. ISA08	receiver mailbox ID	15	receiver mailbox ID
. ISA09	date	6	yymmdd
. ISA10	time	4	hhmm
. ISA11	U	1	'U' ISA standard ID
. ISA12	00401	5	'00401' ISA version ID
. ISA13	ISA control number	9	
. ISA14	0	1	'0'
. ISA15	P	1	'P' production 'T' test
. ISA16	'	1	'"' sub element separator

**180 -Version 4010  
Return Merchandise Authorization  
(MANDATORY)**

**GS Segment**

Example: GS\*AN\*SND MB ID\*RCV MB ID\*20000930\*1105\*1001\*X\*004010

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
. GS01	functional identifier code	2	'AN' Return Merchandise Notification
. GS02	sender mailbox ID	2/15	sender mailbox ID
. GS03	receiver mailbox ID	2/15	receiver mailbox ID
. GS04	date	8	ccyymmdd
. GS05	time	4	hhmm
. GS06	GS control number	1/9	
. GS07	X	1	'X' standard
. GS08	004010	1/12	'004010' version



**180 -Version 4010  
Return Merchandise Authorization  
(MANDATORY)**

**ST Segment**

Example: ST\*180\*0001

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
. ST01	180	3	'180'
. ST02	ST control number	1/9	

DRAFT



**180 - Version 4010  
Return Merchandise Authorization  
(MANDATORY)**

**BGN Segment**

Purpose: To indicate the beginning of the Return Merchandise Authorization and transmit notification reference number.

Example: BGN\*11\*1234567\*20051031\*\*\*111111\*RD

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
. <b>BGN01</b>	<b>transaction set purpose</b>	<b>2</b>	<b>'11' response</b>
. <b>BGN02</b>	<b>180 response reference #</b>	<b>1/30</b>	
. <b>BGN03</b>	<b>180 response date</b>	<b>8</b>	<b>ccyyymmdd format</b>
. BGN04	not used		
. BGN05	not used		
. <b>BGN06</b>	<b>180 request reference #</b>	<b>1/30</b>	<b>(return request #)</b>
. <b>BGN07</b>	<b>transaction type code</b>	<b>2</b>	<b>'RD' returns detail</b>
. BGN08	not used		
. BGN09	not used		

**180 -Version 4010**  
**Return Merchandise Authorization**  
**(OPTIONAL - REQUIRED)**

**N9 Segment (authorization #)**

*Purpose:* This N9 segment is used to indicate the supplier's return authorization number. *This reference is used when a blanket authorization # is required by a supplier for material returns or when a blanket authorization number is provided for markdown in place or destroy in place.*

*Example:* N9\*RZ\*rma#123

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
. N901	reference identifier qualifier	2/3	'BB' authorization number 'RZ' returns material authorization number
. N902	authorization number	1/30	
. N903	not used		
. N904	not used		
. N905	not used		
. N906	not used		
. N907	not used		



**180 -Version 4010**  
**Return Merchandise Authorization**  
**(OPTIONAL)**

*PER Segment*

*Purpose: The PER segment is used to identify the buyer responsible for the return merchandise notification. Maximum (2) iterations at this location.*

*Example: PER\*BD\*JIM BARKER\*EM\*jim@largebox.com\*WP\*18001234567*

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
. PER01	contact function qualifier	2	'BD' buyer name
. PER02	buyer's name	1/35	buyer's name
. PER03	communication # qualifier	2	'EM' email, 'WP', workphone 'FX' fax, 'AP' alternate phone
. PER04	communication #	1/80	
. PER05	communication # qualifier	2	
. PER06	communication #	1/80	
. PER07	communication # qualifier	2	
. PER08	communication #	1/80	
. PER09	not used		

**180 -Version 4010  
Return Merchandise Authorization  
(MANDATORY)**

**N1 Segment (Bill To)**

Purpose: The N1 segment will identify the Bill-To location for the customer.

Example: N1\*BT\*\*15\*1436008

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
. N101	identifier code	2	'BT' bill to
. N102	<i>bill to name</i>	1/35	
. N103	bill to ID qualifier code	1/2	'15' SAN (preferred) '1' DUNS '12' phone '14' EAN/UCC location code prefix 'ZZ' user defined
. N104	bill to ID code	2/20	bill to SAN
. N105	not used		
. N106	not used		

**180 -Version 4010  
Return Merchandise Authorization  
(MANDATORY)**

**N1 Segment (Ship To)**

Purpose: The N1 segment will identify the Ship To Location for the customer.

Example: N1\*ST\*\*15\*1186213

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
. N101	identifier code	2	'ST' ship to
. N102	not used	1/35	
. N103	ship to ID qualifier code	1/2	'15' SAN (preferred) '1' DUNS '12' phone '14' EAN/UCC location code prefix 'ZZ' user defined
. N104	ship to ID	2/20	ship to SAN
. N105	not used		
. N106	not used		

**180 -Version 4010  
Return Merchandise Authorization  
(MANDATORY)**

**N1 Segment (Vendor)**

Purpose: The N1 segment will identify the Vendor for the Return Merchandise Authorization.

Example: N1\*VN\*\*15\*1234567

Element	Value	Length	Comment
. N101	identifier code	2	'VN' vendor
. N102	vendor name	1/35	
. N103	vendor ID qualifier code	1/2	'15' SAN (preferred) '1' DUNS '12' phone '14' EAN/UCC location code prefix 'ZZ' user defined
. N104	vendor ID code	2/20	vendor ID
. N105	not used		
. N106	not used		

**180 -Version 4010  
Return Merchandise Authorization  
(MANDATORY)**

**BLI Segment**

Purpose: To specify the basic Return Merchandise Authorization line item data.  
*Separate BLI loops should be sent where multiple invoice numbers apply and are required by the supplier.*

Example: BLI\* IB\*10203040501\*25\*EA\*10.36\*NET

**NOTE: Either an ISBN-10 or an ISBN-13/EAN or a EAN/UCC-14 (GTIN-14) or a UPC is usually mandatory. When this is impossible, a trading partner specific vendor number (qualifier = 'VN') may be used as the main identifier. More than one identifier may be sent (eg. ISBN-10 and ISBN-13/EAN), but only one will be used. *It is essential to check with a trading partner whether a particular identifier is supported prior to implementation.***

Element	Value	Length	Comment
. BLI01	main item ID qualifier	2	mandatory: 'IB' ISBN-10 'EN' ISBN-13/EAN 'UK' EAN/UCC-14 'UP' UPC
. BLI02	main item ID	1/48	main ID #
. BLI03	180 request quantity	1/15	
. BLI04	unit of measure	2	'UN' unit 'EA' each
. BLI05	unit price	1/17	unit price
. BLI06	unit price qualifier	3	'NET' net price
. BLI07	not used		
. BLI08	alt 1 item ID qualifier	2	optional/required: 'IB' ISBN-10 'EN' ISBN-13/EAN 'UK' EAN/UCC-14 'UP' UPC



. BLI09	alt 1 item ID	1/48	main ID #
. BLI10	alt 2 ID qualifier	2	optional/required: 'IB' ISBN-10 'EN' ISBN-13/EAN 'UK' EAN/UCC-14 'UP' UPC 'VN' Vendor 'MG' Manufacture Code
. BLI11	alt 2 ID	1/48	alternate 1 ID #
. BLI12	alt 3 ID qualifier	2	optional/required: 'IB' ISBN-10 'EN' ISBN-13/EAN 'UK' EAN/UCC-14 'UP' UPC 'VN' Vendor 'MG' Manufacture Code
. BLI13	alt 3 ID	1/48	alternate 2 ID #
. BLI14	alt 4 ID qualifier	2	optional: 'IB' ISBN-10 'EN' ISBN-13/EAN 'UK' EAN/UCC-14 'UP' UPC 'VN' Vendor 'MG' Manufacture Code
. BLI15	alt 4 ID	1/48	alternate 3 ID #
. BLI16	not used		
. BLI17	not used		
. BLI18	not used		



**180 -Version 4010**  
**Return Merchandise Authorization**  
**(REQUIRED)**

**N9 Segment (authorization #)**

*Purpose:* This N9 segment is used to indicate the supplier's return authorization number. *This reference is used when required by a supplier. Used in the BLI loop this N9 segment will override a N9 'BB' in Table 1 for that BLI loop only.*

*Example:* N9\*BB\*auth#12345

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
. N901	reference identifier qualifier	2/3	'BB' authorization number
. N902	authorization #	1/30	
. N903	not used		
. N904	not used		
. N905	not used		
. N906	not used		
. N907	not used		

**180 -Version 4010**  
**Return Merchandise Authorization**  
**(OPTIONAL)**

**PID Segment**

Purpose: To specify unstructured line item description.

1 occurrence for each line item.

Example: PID\*F\*\*\*\*BOOK OF THE MONTH

Element	Value	Length	Comment
. <b>PID01</b>	<b>F</b>	<b>1</b>	<b>'F' free form description</b>
. PID02	not used		
. PID03	not used		
. PID04	not used		
. <b>PID05</b>	<b>description</b>	<b>1/80</b>	<b>product description</b>
. PID06	not used		
. PID07	not used		
. PID08	not used		
. PID09	not used		

**180 -Version 4010  
Return Merchandise Authorization  
(REQUIRED)**

**RDR Segment**

*Purpose: To indicate the return disposition code, possible additional reason code, and possible note for consideration.*

*Example: RDR\*RA\*\*\*KEEP:GILLER PRIZE WINNER*

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
<b>. RDR01</b>	<b>returns disposition code</b>	<b>2</b>	<b>'DI' dispose 'KA' keep with allowance 'RD' request denied 'RN' return without authorization # 'RA' return with authorization # 'SD' ship to 3<sup>rd</sup> party for disposal</b>
<b>. RDR02</b>	<b>not used</b>		
<b>. RDR03</b>	<b>return response reason code 2</b>		<b>'OS' product discontinued 'NR' no record of original sale 'QD' quantity difference from original sale 'PC' pricing/cost difference from original sale 'RT' return time limit exceeded 'UI' unknown item</b>
<b>. RDR04</b>	<b>description</b>	<b>1/80</b>	<b>free form note</b>
<b>. RDR05</b>	<b>not used</b>		

**180 -Version 4010  
Return Merchandise Authorization  
(OPTIONAL - REQUIRED)**

**SAC Segment (allowance)**

Purpose: To indicate an Return Merchandise Authorization markdown percentage or amount. *This should not be used when physically returning goods. Either SAC07 or SAC08 should be sent, not both.* When SAC08 is sent, the value refers to the amount per unit quantity indicated in BLI03. When SAC07 is sent, SAC06 must also be sent and the percentage is applied against the net value of the extended BLI loop amount. *A valid authorization # must be provided by the supplier when sending an SAC in the BLI loop.*

Example: SAC\*A\*E800\*\*\*\*2\*.5\*\*\*\*\*05

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
. SAC01	allowance or charge	1	'A' allowance
. SAC02	service/allowance code	4	'E800' no return credit allowance 'H000' special allowance
. SAC03	not used		
. SAC04	not used		
. SAC05	not used		
. SAC06	<b>allowance charge percent qualifier 1</b>		<b>'2' item net cost</b>
. SAC07	allowance percentage	1/6	<b>SAC07/06 dependency both required if either present</b>
. SAC08	allowance rate per unit	1/9	
. SAC09	not used.		
. SAC10	not used.		
. SAC11	not used.		
. SAC12	method of handling	2	<b>'05' paid by vendor</b>
. SAC13	not used		
. SAC14	not used		
. SAC15	not used.		

**180 -Version 4010  
Return Merchandise Authorization  
(MANDATORY)**

**SE Segment**

Example: SE\*17\*0001

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
<b>. SE01</b>	<b>number of segments</b>	<b>1/10</b>	<b>number of segments in document including ST and SE segments</b>
<b>. SE02</b>	<b>SE control number</b>	<b>1/9</b>	<b>must match ST control number</b>

**180 -Version 4010  
Return Merchandise Authorization  
(MANDATORY)**

**GE Segment**

Example: GE\*4\*1001

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
<b>. GE01</b>	<b>number of documents</b>	<b>1/6</b>	<b>number of documents, number of ST/SE pairs</b>
<b>. GE02</b>	<b>GE control number</b>	<b>1/9</b>	<b>must match GS control number</b>

**180 -Version 4010  
Return Merchandise Authorization  
(MANDATORY)**

**IEA Segment**

Example: IEA\*1\*000000001

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
. IEA01	number of envelopes	8	number of GS/GE pairs
. IEA02	IEA control number	9	must match ISA control number

DRAFT

**180 -Version 4010  
Return Merchandise Authorization****Sample Return Merchandise Authorization**

ISA\*00\*        \*00\*        \*ZZ\*SND MB ID    \*ZZ\*RCV MB ID  
\*000930\*1105\*U\*00401\*000000001\*0\*P\*'  
GS\*AN\*SND MB ID\*RCV MB ID\*20000930\*1105\*1001\*X\*004010  
ST\*180\*0001  
BGN\*11\*1234567\*20051031\*\*\*111111\*RD  
*N9\*RZ\*rma#123*  
*PER\*CR\*TAMMY BARKER*  
N1\*BT\*PURCHASER NAME\* 15\*1234567  
N1\*ST\*\*15\*1111111  
N1\*VN\*VENDOR NAME\* 15\*1234567  
BLI\* IB\*10203040501\*25\*EA\*10.36\*NET  
N9\*BB\*auth#1234  
PID\*F\*\*\*\*BOOK OF THE MONTH  
*RDR\*KA\*\*\*KEEP: have we gotta deal for you*  
SAC\*A\*E800\*\*\*\*2\*.5\*\*\*\*\*05  
BLI\* IB\*1111111111\*25\*EA\*11.11\*NET  
PID\*F\*\*\*\*BOOK OF THE MONTH  
*RDR\*RD\*\*NR*  
SE\*16\*0001  
GE\*1\*1001  
IEA\*1\*000000001