Eaton Corporation
Electronic Data Interchange (EDI) Standards
Application Advice (824)
Version 4010

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824 Application Advice

Functional Group=AG

This Draft Standard for Trial Use contains the format and establishes the data contents of the Application Advice Transaction Set (824) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide the ability to report the results of an application system's data content edits of transaction sets. The results of editing transaction sets can be reported at the functional group and transaction set level, in either coded or free-form format. It is designed to accommodate the business need of reporting the acceptance, rejection or acceptance with change of any transaction set. The Application Advice should not be used in place of a transaction set designed as a specific response to another transaction set (e.g., purchase order acknowledgment sent in response to a purchase order).

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	ST	Transaction Set Header	M	1			Must use
020	BGN	Beginning Segment	M	1			Must use

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - OTI					**>1**	**N2/010L**	
010	OTI	Original Transaction Identification	M	1		N2/010	Must use
020	REF	Reference Identification	O	12		N2/020	Used
030	DTM	Date/Time Reference	O	2		N2/030	Used
LOOP ID - TED					**>1**		
070	TED	Technical Error Description	O	1			Used
090	SE	Transaction Set Trailer	M	1			Must use

Notes:

2/010L The OTI loop is intended to provide a unique identification of the transaction set that is the subject of this application acknowledgment.

2/010 The OTI loop is intended to provide a unique identification of the transaction set that is the subject of this application acknowledgment.

2/020 The REF segment allows for the provision of secondary reference identification or numbers required to uniquely identify the original transaction set. The primary reference identification or number should be provided in elements OTI02-03.

2/030 The DTM segment allows for the provision of date, time, or date and time information required to uniquely identify the original transaction set.

ST Transaction Set Header

Pos: 010 Max: 1
Heading - Mandatory
Loop: N/A Elements: 2

User Option (Usage): Must use

To indicate the start of a transaction set and to assign a control number

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST01	143	**Transaction Set Identifier Code** **Description:** Code uniquely identifying a Transaction Set **Code Name** 824 Application Advice	M	ID	3/3	Must use
ST02	329	**Transaction Set Control Number** **Description:** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Must use

Semantics:

1. The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

BGN Beginning Segment

Pos: 020 Max: 1
Heading - Mandatory
Loop: N/A Elements: 4

User Option (Usage): Must use

To indicate the beginning of a transaction set

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BGN01	353	**Transaction Set Purpose Code** **Description:** Code identifying purpose of transaction set **Code Name** 00 Original	M	ID	2/2	Must use
BGN02	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M	AN	1/30	Must use
BGN03	373	**Date** **Description:** Date expressed as CCYYMMDD	M	DT	8/8	Must use
BGN04	337	**Time** **Description:** Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X	TM	4/8	Used

Syntax:

1. C0504 - If BGN05 is present, then all of BGN04 are required

Semantics:

1. BGN02 is the transaction set reference number.
2. BGN03 is the transaction set date.
3. BGN04 is the transaction set time.
4. BGN05 is the transaction set time qualifier.
5. BGN06 is the transaction set reference number of a previously sent transaction affected by the current transaction.

Loop OTI

Pos: 010	Repeat: >1
Mandatory	
Loop: OTI	Elements: N/A

To identify the edited transaction set and the level at which the results of the edit are reported, and to indicate the accepted, rejected, or accepted-with-change edit result

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
010	OTI	Original Transaction Identification	M	1		Must use
020	REF	Reference Identification	O	12		Used
030	DTM	Date/Time Reference	O	2		Used
070		Loop TED	O		>1	Used

OTI Original Transaction Identification

Pos: 010 **Max: 1**
Detail - Mandatory
Loop: OTI **Elements: 3**

User Option (Usage): Must use

To identify the edited transaction set and the level at which the results of the edit are reported, and to indicate the accepted, rejected, or accepted-with-change edit result

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
OTI01	110	**Application Acknowledgment Code** **Description:** Code indicating the application system edit results of the business data **Code** **Name** TR Transaction Set Reject	M	ID	1/2	Must use
OTI02	128	**Reference Identification Qualifier** **Description:** Code qualifying the Reference Identification **Code** **Name** IK Invoice Number **Description:** Manufacturer's invoice number for vehicle/component	M	ID	2/3	Must use
OTI03	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M	AN	1/30	Must use

Syntax:

1. C0908 - If OTI09 is present, then all of OTI08 are required

Semantics:

1. OTI03 is the primary reference identification or number used to uniquely identify the original transaction set.
2. OTI06 is the group date.
3. OTI07 is the group time.
4. If OTI11 is present, it will contain the version/release under which the original electronic transaction was translated by the receiver.
5. OTI12 is the purpose of the original transaction set, and is used to assist in its unique identification.
6. OTI13 is the type of the original transaction set, and is used to assist in its unique identification.
7. OTI14 is the application type of the original transaction set, and is used to assist in its unique identification.
8. OTI15 is the type of action indicated or requested by the original transaction set, and is used to assist in its unique identification.
9. OTI16 is the action requested by the original transaction set, and is used to assist in its unique identification.
10. OTI17 is the status reason of the original transaction set, and is used to assist in its unique identification.

Comments:

1. OTI02 contains the qualifier identifying the business transaction from the original business application, and OTI03 will contain the original business application identification.
2. If used, OTI04 through OTI08 will contain values from the original electronic functional group generated by the sender.
3. If used, OTI09 through OTI10 will contain values from the original electronic transaction set generated by the sender.

REF Reference Identification

Pos: 020	Max: 12
Detail - Optional	
Loop: OTI	Elements: 3

User Option (Usage): Used

To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier** **Description:** Code qualifying the Reference Identification **Code Name** 8M Originating Company Identifier C7 Contract Line Item Number PO Purchase Order Number	M	ID	2/3	Must use
REF02	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used
REF03	352	**Description** **Description:** A free-form description to clarify the related data elements and their content	X	AN	1/80	Used

Syntax:

1. R0203 - At least one of REF02,REF03 is required

Semantics:

1. REF04 contains data relating to the value cited in REF02.

DTM Date/Time Reference

Pos: 030 **Max: 2**
Detail - Optional
Loop: OTI **Elements: 2**

User Option (Usage): Used

To specify pertinent dates and times

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM01	374	**Date/Time Qualifier** **Description:** Code specifying type of date or time, or both date and time **Code** **Name** 003 Invoice	M	ID	3/3	Must use
DTM02	373	**Date** **Description:** Date expressed as CCYYMMDD	X	DT	8/8	Used

Syntax:

1. R020305 - At least one of DTM02,DTM03,DTM05 is required
2. C0403 - If DTM04 is present, then all of DTM03 are required
3. P0506 - If either DTM05,DTM06 is present, then all are required

Loop TED

Pos: 070	Repeat: >1
Optional	
Loop: TED	Elements: N/A

To identify the error and, if feasible, the erroneous segment, or data element, or both

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
070	TED	Technical Error Description	O	1		Used

TED Technical Error Description

Pos: 070 Max: 1
Detail - Optional
Loop: TED Elements: 2

User Option (Usage): Used

To identify the error and, if feasible, the erroneous segment, or data element, or both

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TED01	647	**Application Error Condition Code** **Description:** Code indicating application error condition **Code Name** 848 Incorrect Data	M	ID	1/3	Must use
TED02	3	**Free Form Message** **Description:** Free-form text	O	AN	1/60	Used

Comments:

1. If used, TED02 will contain a generic description of the data in error (e.g., part number, date, reference number, etc.).

User Note 1:

IQT - Invalid Qty.
MB - Invalid PO Line Num - This should reject on a 997, but if not, the "PO line number" must be populated with a numeric value.
O - No PO shipment num. Reserved for future use.
POI - Invalid PO Num. Data entered in the "PO Number field" must be in the correct format. There are 3 possible formats:
1- 1234-12345 (ie. 4 numbers then "-" then 5 numbers)
2- 1234-123456 (ie. 4 numbers then "-" then 6 numbers)
3-1234-A12345 (ie. 4 numbers then "-" then one alpha character then 5 numbers.
If this info has been provided in the required format, please contact the plant for advice.
010 - Invoice Amount Incorrect. The invoice total does not equal the sum of the line amounts.
003 - Duplicate Invoice Number. No action required.
026 - Inconsistent PO supplier. These are handled internally by Eaton.
028 - Inconsistent Suppl site. These are handled internally by Eaton.
801 - Invalid Distribution Account. The invoice distribution sent against this invoice is invalid.
812 - Account Required. Eaton will contact the supplier with the correct account.
848 - Invalid Shipment Type. These are handled internally by Eaton.

SE Transaction Set Trailer

Pos: 090 Max: 1
Detail - Mandatory
Loop: N/A Elements: 2

User Option (Usage): Must use

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SE01	96	**Number of Included Segments** **Description:** Total number of segments included in a transaction set including ST and SE segments	M	N0	1/10	Must use
SE02	329	**Transaction Set Control Number** **Description:** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Must use

Comments:

1. SE is the last segment of each transaction set.

Eaton Corporation

EDI Invoice (824) sample

ST*824*0535
BGN*00*0535*20020724*114517

Application Advice **0535**, dated **7-24-2003** at **11:45** ET.

OTI*IR*IK*INV3005

Invoice **INV3005** has been rejected. Except for "DUPLICATE INVOICE" error, it needs to be resent with corrections.

DTM*003*20020715

Invoice date is **7-15-2002**.

TED*848***INVALID PO NUM**

In this case, the Purchase Order number does not match anything in our system.

SE*6*0535