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

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Author: Kathy Grubar

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**	M	ID	3/3	Must use
		Description: Code uniquely identifying a Transaction Set				
		Code Name				
		824 Application Advice				
ST02	329	**Transaction Set Control Number**	M	AN	4/9	Must use
		Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				

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

<table>
<tr><td>Pos: 020</td><td>Max: 1</td></tr>
<tr><td colspan="2">Heading - Mandatory</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 4</td></tr>
</table>

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**	M	ID	2/2	Must use
		Description: Code identifying purpose of transaction set				
		Code **Name**				
		00 Original				
BGN02	127	**Reference Identification**	M	AN	1/30	Must use
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
BGN03	373	**Date**	M	DT	8/8	Must use
		Description: Date expressed as CCYYMMDD				
BGN04	337	**Time**	X	TM	4/8	Used
		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)				

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

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

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

<div style="border:1px solid">

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

</div>

User Option (Usage): Used

To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

Code Name
8M   Originating Company Identifier
C7   Contract Line Item Number
PO   Purchase Order Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Identification**	X	AN	1/30	Used

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF03	352	**Description**	X	AN	1/80	Used

Description: A free-form description to clarify the related data elements and their content

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

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**	M	ID	3/3	Must use

Description: Code specifying type of date or time, or both date and time

Code **Name**
003 Invoice

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM02	373	**Date**	X	DT	8/8	Used

Description: Date expressed as CCYYMMDD

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**	M	ID	1/3	Must use
		Description: Code indicating application error condition				
		Code Name				
		848 Incorrect Data				
TED02	3	**Free Form Message**	O	AN	1/60	Used
		Description: Free-form text				

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**	M	N0	1/10	Must use
		Description: Total number of segments included in a transaction set including ST and SE segments				
SE02	329	**Transaction Set Control Number**	M	AN	4/9	Must use
		Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				

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