



Plex Systems

IMPLEMENTATION GUIDELINES FOR
ANSI X12 EDI CONVENTIONS

824 TRANSACTION SET
APPLICATION ADVICE
Version 004010
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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).

HEADER						
NOTE	NO.	ID	NAME	STATUS	MAX USE	LOOP REPEAT
	010	ST	Transaction Set Header	M	1	
	020	BGN	Beginning Segment	M	1	
			LOOP ID – N1			>1
	030	N1	Name	O	1	
DETAIL						
NOTE	NO.	ID	NAME	STATUS	MAX USE	LOOP REPEAT
			LOOP ID – OTI			>1
N	010	OTI	Original Transaction Identification	M	1	
N	020	REF	Reference Identification	O	12	
N	030	DTM	Date/Time Reference	O	2	
N	060	QTY	Quantity	O	>1	
			LOOP ID – TED			>1
	070	TED	Technical Error Description	O	1	
	090	SE	Transaction Set Trailer	M	1	

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number

Syntax Notes:**Semantic Notes:**

Comments: 1 The transaction set identifier (ST01) is intended for use by the translation routines of the interchange partners to select the appropriate transaction set definition.

Notes: *The transaction set control number (ST02) in this header must match the transaction set control number (SE02) in the transaction set trailer (SE).*

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set <i>824 Application Acknowledgment Advice</i>	M ID 3/3	M
ST02	329	Transaction Set Control Number Identifying control number assigned by the originator for a transaction set. <i>A unique control number assigned to each transaction set within a functional group, starting with 0001 and incrementing by 1 for each subsequent transaction set. Same as SE02.</i>	M AN 4/9	M

Segment: **BGN** Beginning Segment

Position: 020

Loop:

Level: Heading

Usage: Mandatory

Max Use: 1

Purpose: To indicate the beginning of a transaction set

Syntax Notes: 1 If BGN05 is present, then BGN04 is required.

Semantic Notes:

- Comments:**
- 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.

Notes: *The reference number generated by the receiver of the original transaction and used for subsequent communications.*

*Example: BGN*11*12345678*881014*1205*

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
BGN01	353	Transaction Set Purpose Code Code identifying purpose of transaction set <i>00 Original</i>	M ID 2/2	M
BGN02	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. <i>A unique number generated by the receiver of the original document.</i>	M AN 1/30	M AN 1/30
BGN03	373	Date Date (CCYYMMDD) <i>Date this transaction set is generated.</i>	M DT 8/8	M
BGN04	337	Time Time expressed in 24-hour clock time (HHMM) (Time range: 0000 through 2359) <i>Time this transaction set is generated.</i>	M TM 4/4	M
BGN05	623	Time Code Code identifying the time.	O ID 2/2	Not Used

Segment: **N1** Name
Position: 030
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
 2 If either N103 or N104 is present, then the other is required.
Semantic Notes: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
Comments:
Notes:

Data Element Summary

Ref. <u>Des.</u>	Data <u>Element</u>	<u>Name</u>	Base <u>Attributes</u>	User <u>Attributes</u>
N101	98	Entity Identifier Code Code identifying an organizational entity or a physical location. <i>ST Ship To</i>	M ID 2/2	M
N102	93	Name Free-form name	C ID 1/35	Not Used
N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) <i>92 Assigned by Buyer</i>	C ID 1/2	
N104	67	Identification Code If N101 = "ST", Receiving plant code.	M ID 2/17	M ID 2/17

Segment: **OTI** Original Transaction Identification

Position: 010

Loop: OTI Mandatory

Level: Detail

Usage: Mandatory

Max Use: 1

Purpose: 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

Syntax Notes:

Semantic Notes:

Comments:

Notes: *The 824 will only be sent if the ASN is Rejected or Accepted with Errors*

One OTI loop is generated for each ASN line item. Multiple TED loops are used to convey multiple error messages for a line item.

If OTI01 = "IA", the line item was accepted without errors.

If OTI01 = "IE", the line item had one or more non-fatal errors (warnings) but no fatal errors. It was accepted as submitted and should not be resent.

If OTI01 = "IR", the line item had one or more fatal errors and was rejected. It must be corrected and resent.

Data Element Summary

Ref.	Data		Base	User
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	<u>Attributes</u>
OTI01	110	Application Acknowledgment Code Code indicating the application system edit results of the business data <i>IA Line item accepted</i> <i>IE Line item accepted with errors - do not resend</i> <i>IR Line item rejected</i> Recheck transaction set to ensure accuracy before resending	M ID 1/2	M ID 2/2
OTI02	128	Reference Number Qualifier Code qualifying the Reference Number. SI Shipper's Identifying Number for Shipment	M ID 2/2	M
OTI03	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. <i>If OTI02 = "SI", the SID number of original ASN (856) transaction;</i>	O AN 1/30	AN 2/30
OTI04	142	Application Sender's Code Code identifying party sending transmission; codes agreed to by trading partners	O N0 1/9	Not Used
OTI05	124	Application Receiver's Code	C AN 4/9	Not Used

		Code identifying party receiving transmission; codes agreed to by trading partners		
OTI06	29	Group Date Date sender generated a functional group of transaction sets.	O DT 6/6	Not Used
OTI07	30	Group Time Time (HHMM) when the sender generated a functional group of transaction sets (local time at sender's location).	O TM 4/4	Not Used
OTI08	28	Group Control Number Assigned number originated and maintained by the sender	C N0 1/9	Not Used
OTI09	329	Transaction Set Control Number Identifying control number assigned by the originator for a transaction set.	O AN 4/9	Not Used
OTI10	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set <i>856 X12.10 Ship Notice/Manifest</i>	O ID 3/3	
OTI11	480	Version/Release Industry ID Code	O N0 1/12	Not Used

Segment: **REF** Reference Numbers
Position: 020
Loop: OTI Mandatory
Level: Detail
Usage: Mandatory
Max Use: 12
Purpose: To specify identifying numbers.

Syntax Notes:

Semantic Notes:

Comments:

Notes: *REF segments are used to echo information from the original transaction such that the receiver of the 824 Application Advice may refer back to the original transaction for problem resolution (e.g. Bill of Lading number, the Packing Slip number, part number)*

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
REF01	128	Reference Number Qualifier Code qualifying the Reference Number. PK Packing List Number PO Purchase Order Number PM Part Number - Part Number of original ASN (856).	M ID 2/2	M ID 2/3
REF02	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. If REF01 = "PK", Packing Slip number of original ASN (856); If REF01 = "PO", Purchase Order Number If REF01 = "PM", Part Number of original ASN (856).	M AN 1/30	M AN 1/30

Segment: **DTM** Date/Time/Period

Position: 030

Loop: OTI Mandatory

Level: Detail

Usage: Optional

Max Use: 3

Purpose: To specify pertinent dates and times.

Syntax Notes: 1 At least one of DTM02 or DTM03 is required.

Semantic Notes:

Comments:

Notes: *Two DTM segments are generated in the detail area. These segments specify the date and time the original ASN (856) was processed and the Ship Date on the original ASN (856).*

Examples:

*DTM*009*20080626*0800*

*DTM*011*20080626*

Data Element Summary

Ref. <u>Des.</u>	Data <u>Element</u>	<u>Name</u>	Base <u>Attributes</u>	User <u>Attributes</u>
DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time <i>009 Process</i> <i>011 Shipped</i>	M ID 3/3	M
DTM02	373	Date Date (CCYYMMDD) <i>If DTM01 = "009", Process Date and Time;</i> <i>If DTM01 = "011", ASN Ship Date.</i>	C DT 8/8	
DTM03	337	Time Time expressed in 24-hour clock time (HHMMSS) (Time range: 0000 through 2359) <i>HHMM 24 Hour Clock</i> <i>Used only if DTM01 = "009".</i>	C TM 4/4	

Segment: **QTY** Quantity
Position: 060
Loop: OTI Mandatory
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify quantity information.

Syntax Notes:

Semantic Notes:

Comments:

Notes: *The QTY02 element will contain the current system net YTD cumulative shipped total which disagrees with the supplier's YTD cum. This message is warning only. The ASN will be processed if no other error messages appear. Do not resend the ASN.*

Data Element Summary

Ref.	Data		Base	User
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	<u>Attributes</u>
QTY01	673	Quantity Qualifier Code specifying the type of quantity <i>02 Cumulative Quantity</i>	M ID 2/2	M
QTY02	380	Quantity Numeric value of quantity <i>Supplier net YTD cum shipped quantity.</i>	M R 1/17	M

Segment: **TED** Technical Error Description
Position: 070
Loop: TED Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify the error and, if feasible, the erroneous segment, or data element, or both

Syntax Notes:**Semantic Notes:**

Comments: 1 Use TED02 to contain a generic description of the data in error (e.g., part number, date, reference number, etc.)

Notes: *This segment is generated when the transaction line item is accepted with errors or rejected (OTI01 = "E" or "R"). In the case of multiple error conditions on a line item, a separate TED loop will be generated for each error condition. Element TED01 contains the system error code. A listing of the error codes and descriptions may be found in the 824 Error Messages document. TED02 contains a generic description of the field in error (e.g. Part Number, Date, Reference Number, etc.).*

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
TED01	647	Application Error Condition Code indicating application error condition <i>See "824 Error Messages" for error code definitions.</i>	M ID 1/3	M
TED02	3	Free Form Error Message Free-form text <i>Free form name of field or segment where error was found.</i>	O AN 1/60	
TED03	721	Segment ID Code Code defining the segment ID of the data segment in error. See Segment Directory	O ID 2/3	
TED04	719	Segment Position in Transaction Set The numerical count position of this data segment from the start of the transaction set: the transaction set header is count position 1	O N0 1/6	Not Used
TED05	722	Element Position in Segment This is used to indicate the relative position of the data element in error in this data segment. The count starts with 1 for the data element immediately following the segment ID. This value is 0 for an error in the segment ID.	O N0 1/2	Not Used
TED06	725	Data Element Reference Number Reference number used to locate the Data Element Dictionary.	O N0 1/4	Not Used
TED07	724	Copy of Bad Data Element This is a copy of the data element in error	O AN 1/78	Not Used
TED 08	961	Data Element New Content New data which has replaced erroneous data	O AN 1/99	Not Used

Segment: **SE** Transaction Set Trailer

Position: 090

Loop:

Level: Detail

Usage: Mandatory

Max Use: 1

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

Syntax Notes:

Semantic Notes:

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

Notes: *The number of included segments is the total of all segments used in the transaction set including the "ST" and "SE" segments. The transaction set control number value in this trailer must match the same element value in the transaction set header (ST02).*

Data Element Summary

Ref.	Data		Base	User
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	<u>Attributes</u>
SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments.	M N0 1/6	M
SE02	329	Transaction Set Control Number Identifying control number assigned by the originator for a transaction set. <i>Same as corresponding "ST02".</i>	M AN 4/9	M

824 – Error Messages

The following Exceptions will be sent back on the 824

Duplicate - TED Error Code '006'

Missing or Invalid Purpose Code - TED Error Code 'J'. (Currently only 00 is accepted.)

Invalid Quantity - TED Error Code 'QTY' (Used when CLD calculation compared with SN1 quantity is not valid.)

Missing or Invalid Purchase Order - TED Error Code 'MB'

Item not found on Purchase Order - TED Error Code '133'