IMPLEMENTATION GUIDELINES FOR
ANSI X12 EDI CONVENTIONS

824 TRANSACTION SET
Application Advice
Version 004010
February 8, 2017

824 Application Advice

Functional Group ID**=AG**

Introduction:

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. No	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat	Notes and Comments
010	ST	Transaction Set Header	M	1		
020	BGN	Beginning Segment	M	1		
		LOOP ID – N1			>1	
030	N1	Name	O	1		

Detail:

Pos. No	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat	Notes and Comments
		LOOP ID – OTI			>1	
010	OTI	Original Transaction Identification	M	1		
020	REF	Reference Identification	O	12		
030	DTM	Date/Time Reference	O	2		
060	QTY	Quantity	O	>1		
		LOOP ID – TED			>1	
070	TED	Technical Error Description	O	1		
090	SE	Transaction Set Trailer	O	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:	The Transaction set identifier (ST01) is intended for the use by the transaction routines of the interchange partners to select the appropriate transaction set definition.
	The Transaction set control number (ST02) in this header must match the transaction set control number (SE02) I the transaction set trailer (SE).

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
ST01	**143**	**Transaction Set Identifier Code**	**M**	**ID**	**3/3**
		Code uniquely identifying a Transaction Set			
		824 Application Acknowledgment Advice			
ST02	**329**	**Transaction Set Control Number**	**M**	**AN**	**4/9**
		Identifying control number that must be unique within the transaction set functional group. This number must match the value in SE02			

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:	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

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

Data Element Summary

Ref. Des.	Data Element	Name	Attributes ANSI / BW Features			Usage
BGN01	353	**Transaction Set Purpose Code** Code identifying purpose of transaction set 00 Original	M	ID	2/2	Used
BGN02	127	**Reference Number** Reference number or identification number as defined for a particular Transaction set, or as specified by the Reference Number Qualifier. *A unique number generated by the receiver of the original document*	M	AN	1/30	Used
BGN03	373	**Date** Date expressed as CCYYMMDD *Date this transaction set is generated*	M	DT	8/8	Used
BGN04	337	**Time** Time expressed in 24-hour clock time (HHMM)(Time range: 0000 through 2359) *Time this transaction set is generated*	M	TM	4/4	Used
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:	This segment, used alone, provides the most efficient method of providing organizational identification. To obtain the efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party
Comments:	

Data Element Summary

Ref. Des.	Data Element	Name	Attributes ANSI / BW Features			Usage
N101	98	**Entity Identifier Code** Code identifying an organization entity or a physical location ST Ship To	M	ID	2/2	**Used**
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) 92 Assigned by Buyer	C	ID	1/2	
N104	67	**Identification Code** If N101 = "ST", Receiving plant code	M	ID	2/17	**Used**

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 results	
Syntax Notes:		
Semantic Notes:		
Comments:	The 824 will only be sent if the ASN is Rejected or Accepted with Errors	

Comments: 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. Des.	Data Element	Name	Attributes ANSI / BW Features			Usage
OTI01	**110**	**Application Acknowledgment Code**	M	ID	2/2	**Used**
		Code indicating the application system edit results of the business data				
		IA Line item accepted				
		IE Line item accepted with errors – do not resend				
		IR Line item rejected				
		Recheck transaction set to ensure accuracy before resending				
OTI02	**128**	**Reference Number Qualifier**	M	ID	2/2	**Used**
		Code identifying the Reference Number				
		SI Shipper's Identifying Number for Shipment				
OTI03	**127**	**Reference Number**	O	AN	1/30	
		Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier				
		If OTI02 = "SI" the SID number of original ASN (856) transaction				
OTI04	**142**	**Application Sender's Code**	O	N0	1/9	**Not Used**
		Code identifying party sending transmission, codes agreed to by trading partners				
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**	O	DT	6/6	**Not Used**
		Date sender generated a functional group of transaction sets				
OTI07	**30**	**Group Time**	O	TM	4/4	**Not Used**
		Time (HHMM) when the sender generated a functional group of transaction sets (local time at sender's location)				
OTI08	**28**	**Group Control Number**	C	N0	1/9	**Not Used**
		Assigned number originated and maintained by the sender				
OTI09	**329**	**Transaction Set Control Number**	O	AN	4/9	**Not Used**
		Identifying control number assigned by the originator for a transaction set				
OTI10	**143**	**Transaction Set Identifier Code**	O	ID	3/3	

Code uniquely identifying a Transaction Set

		856 X12.10 Ship Notice/Manifest				
OTI11	**480**	Version/Release Industry ID Code	**O**	**N0**	**1/12**	**Not Used**

Segment: **REF** Reference Identification
Position: 020
Loop: OTI
Level: Detail
Usage: Mandatory
Max Use: 12
Purpose: To specify identifying information
Syntax Notes:
Semantic Notes:
Comments: *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	Attributes ANSI / BW Features			Usage
REF01	128	**Reference Number Qualifier** PK Packing List Number PO Purchase Order Number PM Part Number – Part Number of original ASN (856)	M	ID	2/2	Used
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	Used

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:	At least one of DTM02 or DTM03 is required
Semantic Notes:	
Comments:	*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)*
	*Ex. DTM*009*20170208*0800*
	*DTM*011*20170208*

Data Element Summary

Ref. Des.	Data Element	Name	Attributes ANSI / BW Features			Usage
DTM01	374	Date/Time Qualifier	M	ID	3/3	Used
		009 Process				
		011 Shipped				
DTM02	373	Date	M	DT	8/8	
		Date expressed as CCCCMMDD				
		If DTM01 = "009", Process Date and Time;				
		If DTM01 ="011", ASN Ship Date				
DTM03	337	Time	C	TM	4/4	
		Time expressed in 24-hour clock time (HHMMSS)(Time range: 0000 through 2359)				
		HHMM 24 Hour clock				
		Used only if DTM01 ="009"				

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:	*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 process if no other error messages appear. Do not resend the ASN.*

Data Element Summary

Ref. Des.	Data Element	Name	Attributes ANSI / BW Features			Usage
QTY01	673	**Quantity Qualifier** Code specifying the type of quantity 02 Cumulative Quantity	M	ID	2/2	**Used**
QTY02	380	**Quantity** Numeric value of quantity *Supplier net YTD cum shipped quantity*	M	R	1/17	**Used**

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:	Use TED02 to contain a generic description of the data in error (e.g., part number, date, reference number, etc.)
	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 Message 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	Attributes ANSI / BW Features			Usage
TED01	647	**Application Error Condition** Code indicating application error condition *See "824 Error Messages" for error code definition*	M	ID	1/3	**Used**
TED02	3	**Free Form Error Message** Free form test *Free form name of field or segment where error was found*	O	AN	1/60	
TED03	721	**Segment ID Code** Code defining the segment ID of the data segment in error. See Segment dictionary	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**
TED08	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:	SE is the last segment of each transaction set
	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)

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Data Element Summary

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Ref. Des.	Data Element	Name	Attributes ANSI / BW Features			Usage
SE01	**96**	**Number of Included Segments** Total number of segments included in a transaction set including the ST and SE segments	M	N0	1/6	**Used**
SE02	**329**	**Transaction Set Control Number** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set. This value must match the value in ST02	M	AN	4/9	**Used**

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'*