

Wal-Mart Stores, Inc.

Electronic Data Interchange Implementation Guideline

ANSI X12 Version 5010

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824 Application Advice

Business Usage:

Response from Wal-Mart Application System Edits

EDI Direction: From Wal-Mart

Implementation Guide Version 1.1
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824 Application Advice - Wal-Mart Stores, Inc. Introduction

The purpose of this 824 implementation is to enable Wal-Mart to notify suppliers of invalid or insufficient data sent to Wal-Mart applications for transaction sets 830, 832, 855, 856 etc.. Receipt of an 824 for a rejected document requires action. It is very important when dealing with time sensitive documents to correct any errors and re-send these documents as soon as possible. Note: Do not use this transaction set to communicate EDI compliance errors.

Business Changes

To support our growing company, Wal-Mart Stores, Inc. will be incorporating the following business changes into this 5010 upgrade.

Wal-Mart will utilize the GTIN (Global Traded Item Number) in EDI X12 Version 5010. GTIN information will be sent in addition to the UPC code. It will be the suppliers' responsibility to handle the information as their systems become GTIN compliant. For more information regarding GTIN, please visit the UCC website (www.uc-council.org) in the U.S. and ECCC (www.eccc.org) in Canada, or the appropriate numbering organization for your country.

824 Application Advice – Wal-Mart Stores, Inc. Implementation

Functional Group ID=AG

Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	0100	ST	Transaction Set Header	M	1		
M	0200	BGN	Beginning Segment	M	1		
			LOOP ID - N1			>1	
	0300	N1	Party Identification	O	1		
	0700	REF	Reference Identification	O	12		

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
			LOOP ID - OTI			>1	
M	0100	OTI	Original Transaction Identification	M	1		n1
	0200	REF	Reference Information	O	12		n2
	0300	DTM	Date/Time Reference	O	2		n3
	0400	PER	Administrative Communications Contact	O	3		n4
	0500	AMT	Monetary Amount Information	O	>1		n5
	0600	QTY	Quantity Information	O	>1		n6
	0650	NM1	Individual or Organizational Name	O	9		n7
			LOOP ID - TED			>1	
	0700	TED	Technical Error Description	O	1		
	0750	CTX	Context	O	10		
	0800	NTE	Note/Special Instruction	O	100		
	0820	RED	Related Data	O	100		n8
			LOOP ID - LM			>1	
	0850	LM	Code Source Information	O	1		n9
			LOOP ID - LQ			100	
M	0860	LQ	Industry Code Identification	M	1		
	0870	RED	Related Data	O	100		n10
M	0900	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. The OTI loop is intended to provide a unique identification of the transaction set that is the subject of this application acknowledgment.
2. 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.
3. The DTM segment allows for the provision of date, time, or date and time information required to uniquely identify the original transaction set.
4. The PER segment should be utilized if administrative communications contact information is important to the unique identification of the original transaction set.

5. The AMT segment should be utilized if monetary amount information is important to the unique identification of the original transaction set.
6. The QTY segment should be utilized if quantity information is important to the unique identification of the original transaction set.
7. The NM1 segment allows for the provision of entity identification information required to uniquely identify the original transaction set.
8. The RED segment may be used to provide data related to the error condition specified in the associated TED01 element.
9. The LM loop is used to identify industry-based or proprietary application error conditions.
10. The RED segment may be used to provide data related to the error condition specified in the associated LQ02 element.

Wal-Mart Stores, Inc. Business Example of an 824 EDI Document

EDI TRANSMISSION	DESCRIPTION
ST*824*0001	824 is the Transaction Set Identifier Code . “824” Indicates an “Application Advice”. 0001 is the Transaction Set Control Number .
BGN*00*2066400*20050202	00 is the Transaction Set Purpose Code . “00” indicates an “Original”. 2066400 is the Reference Identification . 20050202 is the Date that the transaction was generated by Wal-Mart.
N1*FR*WAL-MART STORES INC.*UL*0078742000008	FR is the Entity Identifier Code . “FR” indicates “Message From”. WAL-MART STORES INC. is the Name . UL is the Identification Code Qualifier . “UL” indicates “Global Location Number (GLN)”. 0078742000008 is the Identification Code .
N1*TO*SUPPLIER NAME	TO is the Entity Identifier Code . “TO” indicates “Message To”. SUPPLIER NAME is the Name .
REF*IA*123456060	IA is the Reference Identification Qualifier . “IA” indicates “Internal Vendor Number”. 123456060 is the Reference Identification .
OTI*TR*TN*2066400*967174AM*925485US00*20050201*1530*4419*44190001*856	TR is the Application Acknowledgment Code . “TR” indicates “Transaction Set Reject”. TN is the Transaction Reference Qualifier . “TN” indicates “Transaction Reference Number”. 2066400 is the Reference Identification . 967174AM is the Application Sender’s Code . 925485US00 is the Application Receiver’s Code . 20050201 is the Date . 1530 is the Time 4419 is the Group Control Number . 44190001 is the Transaction Set Control Number . 856 is the Transaction Set Identifier Code . “856” indicates “Ship Notice/Manifest”.(This indicates the document Set that was in Error).
TED*024*Not a valid WM store*****9999	024 is the Application Error Condition Code . “024” indicates “Other Unlisted Reason”. Not a valid WM store is the Free Form Message . 9999 is the Copy of Bad Data Element .
NTE**Error is not a valid or approved Wal-Mart store number for the vendor. Record Rejected.	Error is not a valid or approved Wal-Mart store number for the vendor. Record Rejected. is the Description . Note that this segment will only be used if the error description in the TED contains more than 60 characters of data.
SE*9*0001	9 is the Number of Included Segments (including ST & SE). 0001 is the Transaction Set Control Number .

Segment: **ST** Transaction Set Header
Position: 0100
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:

- 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
- 2 The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition.

Comments:

Data Element Summary					
	Ref. Des.	Data Element	Name	Attributes	
M	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set	M	1 ID 3/3
			824 Application Advice		
M	ST02	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 The number is sequentially assigned by the sender starting with 0001 within each functional group. For each functional group, the first transaction set control number will be 0001 and incremented by one for each additional transaction set within the group.	M	1 AN 4/9
	ST03	1705	Implementation Convention Reference Reference assigned to identify Implementation Convention	O	1 AN 1/35

Segment: **BGN** Beginning Segment
Position: 0200
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: 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.
Comments:

Data Element Summary					
	Ref. Des.	Data Element	Name	Attributes	
M	BGN01	353	Transaction Set Purpose Code Code identifying purpose of transaction set 00 Original	M 1	ID 2/2
M	BGN02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier The sender's internal number used to identify this transaction set within the sender's application system.	M 1	AN 1/50
M	BGN03	373	Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year The date the transaction was generated in the sender's application system. It is analogous to the date placed on the paper document; the date it was written.	M 1	DT 8/8
	BGN04	337	<i>Time</i> <i>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)</i>	X 1	TM 4/8
	BGN05	623	<i>Time Code</i> <i>Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow</i>	O 1	ID 2/2
	BGN06	127	<i>Reference Identification</i> <i>Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier</i>	O 1	AN 1/50
	BGN07	640	<i>Transaction Type Code</i> <i>Code specifying the type of transaction</i>	O 1	ID 2/2
	BGN08	306	<i>Action Code</i> <i>Code indicating type of action</i>	O 1	ID 1/2
	BGN09	786	<i>Security Level Code</i> <i>Code indicating the level of confidentiality assigned by the sender to the information following</i>	O 1	ID 2/2

Segment: **N1** Name
Position: 0300
Loop: N1
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:
Comments: 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.
2 N105 and N106 further define the type of entity in N101.

Notes: In some EDI Implementations, it may be necessary to identify the sender and/or receiver of the transaction set within each transaction set. To identify the sender of the transaction set, N101 will contain code FR, N103 will contain 93, and N104 will contain the actual identification number. To identify the receiver of the transaction set, N101 will contain code TO, N103 will contain code 94, and N104 will contain the actual identification number. These four codes may be used only in the combination listed above and may be used only to identify the sender and/or receiver of the transaction set.

Data Element Summary				
Ref.	Data			
Des.	Element	Name	Attributes	
M	N101	98 Entity Identifier Code	M 1 ID 2/3	
		Code identifying an organizational entity, a physical location, property or an individual		
		FR Message From		
	N102	93 Name	X 1 AN 1/60	
		Free-form name		
	N103	66 Identification Code Qualifier	X 1 ID 1/2	
		Code designating the system/method of code structure used for Identification Code (67)		
		UL Global Location Number (GLN)		
		A globally unique 13 digit code for the identification of a legal, functional or physical location within the Uniform Code Council (UCC) and International Article Number Association (EAN) numbering system		
	N104	67 Identification Code	X 1 AN 2/80	
		Code identifying a party or other code		
	N105	706 Entity Relationship Code	O 1 ID 2/2	
		Code describing entity relationship		
	N106	98 Entity Identifier Code	O 1 ID 2/3	
		Code identifying an organizational entity, a physical location, property or an individual		

Segment: **N1** Name
Position: 0300
Loop: N1
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:
Comments: 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.
2 N105 and N106 further define the type of entity in N101.

Notes: In some EDI Implementations, it may be necessary to identify the sender and/or receiver of the transaction set within each transaction set. To identify the sender of the transaction set, N101 will contain code FR, N103 will contain 93, and N104 will contain the actual identification number. To identify the receiver of the transaction set, N101 will contain code TO, N103 will contain code 94, and N104 will contain the actual identification number. These four codes may be used only in the combination listed above and may be used only to identify the sender and/or receiver of the transaction set.

Data Element Summary					
	Ref. Des.	Data Element	Name	Attributes	
M	N101	98	Entity Identifier Code	M	1 ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual		
			TO Message To		
	N102	93	Name	X	1 AN 1/60
			Free-form name		
	N103	66	Identification Code Qualifier	X	1 ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)		
	N104	67	Identification Code	X	1 AN 2/80
			Code identifying a party or other code		
	N105	706	Entity Relationship Code	O	1 ID 2/2
			Code describing entity relationship		
	N106	98	Entity Identifier Code	O	1 ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual		

Segment: REF Reference Identification
Position: 0700
Loop: N1
Level: Heading
Usage: Optional
Max Use: 12
Purpose: To specify identifying information
Syntax Notes: 1 At least one of REF02 or REF03 is required.
2 If either C04003 or C04004 is present, then the other is required.
3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.
Comments:

Data Element Summary				
	Ref. Des.	Data Element	Name	Attributes
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification	M 1 ID 2/3
			IA Internal Vendor Number	
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X 1 AN 1/50
			<u>This is the Wal-Mart vendor number.</u>	
	REF03	352	Description A free-form description to clarify the related data elements and their content	X 1 AN 1/80
	REF04	C040	Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O 1
	C04001	128	Reference Identification Qualifier Code qualifying the Reference Identification	M ID 2/3
	C04002	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/50
	C04003	128	Reference Identification Qualifier Code qualifying the Reference Identification	X ID 2/3
	C04004	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/50
	C04005	128	Reference Identification Qualifier Code qualifying the Reference Identification	X ID 2/3
	C04006	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/50

Segment:	OTI Original Transaction Identification
Position:	0100
Loop:	OTI
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:	1 If OTI09 is present, then OTI08 is required.
Semantic Notes:	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.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	OTI01	110	Application Acknowledgment Code Code indicating the application system edit results of the business data TA Transaction Set Accept TE Transaction Set Accept with Errors TR Transaction Set Reject	M 1 ID 1/2
M	OTI02	128	Reference Identification Qualifier Code qualifying the Reference Identification TN Transaction Reference Number The actual business application identification number for the transaction will be in OTI03, e.g., purchase order number, invoice number, ship notice number, etc.	M 1 ID 2/3
M	OTI03	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Identification of the transaction within the business application, or the financial institution's trace number.	M 1 AN 1/50
	OTI04	142	Application Sender's Code Code identifying party sending transmission; codes agreed to by trading partners Contains GS02 data contents from the original functional group generated by the sender.	O 1 AN 2/15
	OTI05	124	Application Receiver's Code	O 1 AN 2/15

		Code identifying party receiving transmission; codes agreed to by trading partners	
		Contains GS03 data contents from the original functional group generated by the sender.	
OTI06	373	Date	O 1 DT 8/8
		Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	
		Contains GS04 data contents from the original functional group generated by the sender.	
OTI07	337	Time	O 1 TM 4/8
		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)	
		Contains GS05 data contents from the original functional group generated by the sender.	
OTI08	28	Group Control Number	X 1 N0 1/9
		Assigned number originated and maintained by the sender	
		Contains GS06 data contents from the original functional group generated by the sender.	
OTI09	329	Transaction Set Control Number	O 1 AN 4/9
		Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
		Contains ST02 data contents from the original transaction set header generated by the sender.	
OTI10	143	Transaction Set Identifier Code	O 1 ID 3/3
		Code uniquely identifying a Transaction Set	
		Contains ST01 data contents from the original transaction set header generated by the sender. If the original document was not an EDI transaction, use the appropriate code that would have been in ST01, e.g., paper invoice would be 810.	
		212	Motor Carrier Delivery Trailer Manifest
		214	Transportation Carrier Shipment Status Message
		830	Planning Schedule with Release Capability
		832	Price/Sales Catalog
		855	Purchase Order Acknowledgment
		856	Ship Notice/Manifest
		879	Price Information
		888	Item Maintenance
		889	Promotion Announcement
OTI11	480	<i>Version / Release / Industry Identifier Code</i>	<i>O 1 AN 1/12</i>
		<i>Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed</i>	
OTI12	353	<i>Transaction Set Purpose Code</i>	<i>O 1 ID 2/2</i>
		<i>Code identifying purpose of transaction set</i>	
OTI13	640	<i>Transaction Type Code</i>	<i>O 1 ID 2/2</i>
		<i>Code specifying the type of transaction</i>	
OTI14	346	<i>Application Type</i>	<i>O 1 ID 2/2</i>
		<i>Code identifying an application</i>	
OTI15	306	<i>Action Code</i>	<i>O 1 ID 1/2</i>
		<i>Code indicating type of action</i>	
OTI16	305	<i>Transaction Handling Code</i>	<i>O 1 ID 1/2</i>
		<i>Code designating the action to be taken by all parties</i>	

*OTI17 641 Status Reason Code
Code indicating the status reason*

O 1 ID 3/3

Segment: **TED** Technical Error Description
Position: 0700
Loop: OTI-TED
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 If used, TED02 will contain a generic description of the data in error (e.g., part number, date, reference number, etc.).

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	TED01	647	Application Error Condition Code Code indicating application error condition	M 1 ID 1/3
			007 Missing Data	
			012 Invalid Combination	
			024 Other Unlisted Reason The reason for the application error condition cannot be described using any other code on the standard code list	
			134 Missing or Invalid Invoice (Pro) Number	
			140 Missing or Invalid Ship-To Location	
			803 Missing or Invalid Payment Method Code	
			IID Invalid Identification Code	
			INF Invalid Status Code	
			IQT Invalid Quantity	
			IWT Invalid Weight	
			MB Missing or Invalid Purchase Order Number	
			MID Missing Identification Code	
			MK Missing or Invalid Ship Date Location	
			OTH Other Unspecified application error	
			POI Purchase Number Invalid	
			SCA Invalid SCAC	
			ZZZ Mutually Defined	
	TED02	3	Free Form Message Free-form text	O 1 AN 1/60
	TED03	721	<i>Segment ID Code</i> Code defining the segment ID of the data segment in error (See Appendix A - Number 77)	O 1 ID 2/3
	TED04	719	<i>Segment Position in Transaction Set</i> The numerical count position of this data segment from the start of the transaction set: the transaction set header is count position 1	O 1 N0 1/6
	TED05	722	<i>Element Position in Segment</i> This is used to indicate the relative position of a simple data element, or the relative position of a composite data structure with the relative position of the component within the composite data structure, in error; in the data segment the count starts with 1 for the simple data element or composite data structure immediately following the segment ID	O 1 N0 1/2
	TED06	725	<i>Data Element Reference Number</i> Reference number used to locate the data element in the Data Element Dictionary	O 1 N0 1/4

TED07	724	Copy of Bad Data Element	O	1	AN 1/99
		This is a copy of the data element in error			
<i>TED08</i>	<i>961</i>	<i>Data Element New Content</i>	<i>O</i>	<i>1</i>	<i>AN 1/99</i>
		<i>New data which has replaced erroneous data</i>			

Segment: **NTE** Note/Special Instruction
Position: 0800
Loop: OTI-TED
Level: Detail
Usage: Optional
Max Use: 100
Purpose: To transmit information in a free-form format, if necessary, for comment or special instruction

Syntax Notes:

Semantic Notes:

Comments: **1** The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processible. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>		
				<i>O</i>	<i>1</i>	<i>ID 3/3</i>
	NTE01	363	Note Reference Code			
			<i>Code identifying the functional area or purpose for which the note applies</i>			
M	NTE02	352	Description	M	1	AN 1/80
			A free-form description to clarify the related data elements and their content			

Segment: **SE** Transaction Set Trailer
Position: 0900
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.

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M 1 N0 1/10
M	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 must be the same number as is in the ST segment (ST02) for the transaction set.	M 1 AN 4/9

824 Application Advice - ANSI X12 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).

824 Application Advice – ANSI X12 Standards

Functional Group ID=**AG**

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	0100	ST	Transaction Set Header	M	1		
M	0200	BGN	Beginning Segment	M	1		
LOOP ID - N1							>1
	0300	N1	Name	O	1		
	0400	N2	Additional Name Information	O	2		
	0500	N3	Address Information	O	2		
	0600	N4	Geographic Location	O	1		
	0700	REF	Reference Identification	O	12		
	0800	PER	Administrative Communications Contact	O	3		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
LOOP ID - OTI							>1
M	0100	OTI	Original Transaction Identification	M	1		n1
	0200	REF	Reference Identification	O	12		n2
	0300	DTM	Date/Time Reference	O	2		n3
	0400	PER	Administrative Communications Contact	O	3		n4
	0500	AMT	Monetary Amount	O	>1		n5
	0600	QTY	Quantity	O	>1		n6
	0650	NM1	Individual or Organizational Name	O	9		n7
LOOP ID - TED							>1
	0700	TED	Technical Error Description	O	1		
	0800	NTE	Note/Special Instruction	O	100		
	0820	RED	Related Data	O	100		n8
LOOP ID - LM							>1
	0850	LM	Code Source Information	O	1		n9
LOOP ID - LQ							100
M	0860	LQ	Industry Code	M	1		
	0870	RED	Related Data	O	100		n10
M	0900	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. The OTI loop is intended to provide a unique identification of the transaction set that is the subject of this application acknowledgment.
2. 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.
3. The DTM segment allows for the provision of date, time, or date and time information required to uniquely identify the original transaction set.
4. The PER segment should be utilized if administrative communications contact information is important to the unique identification of the original transaction set.

5. The AMT segment should be utilized if monetary amount information is important to the unique identification of the original transaction set.
6. The QTY segment should be utilized if quantity information is important to the unique identification of the original transaction set.
7. The NM1 segment allows for the provision of entity identification information required to uniquely identify the original transaction set.
8. The RED segment may be used to provide data related to the error condition specified in the associated TED01 element.
9. The LM loop is used to identify industry-based or proprietary application error conditions.
10. The RED segment may be used to provide data related to the error condition specified in the associated LQ02 element.

824 Application Advice - VICS Introduction

The purpose of this section is to present and explain the application of the ASC X12 standards as they pertain to the retail industry implementation of the Application Advice Transaction Set. The VICS EDI utilization of the transaction set is two fold: 1) to report any application errors from any business application system, e.g., invoice edit errors, and 2) for a financial institution (bank) to report acceptance or discrepancies to either the sender or receiver of a Payment Order/Remittance Advice Transaction Set (820).

When sending an 824 application advice transaction set, the following generation guidelines should be considered:

- The 824 eliminates the need for reporting application system edit errors via phone, fax, or mailed paper reports.
- Do not use this transaction set to communicate EDI compliance errors. Transaction Set 997 Functional Acknowledgment is to be used for communicating EDI compliance errors.
- There may be a need within certain business functions to acknowledge receipt of transmissions with no errors. This will be confined to transaction sets that do not have existing response transaction sets and only with trading partner agreement. For example, a financial institution may use Transaction Set 824 to respond to an 820 transmission confirming the payment order.
- Do not use Transaction Set 824 for communicating 824 application system edit errors detected on the 824 Transaction Set, e.g., Functional Acknowledgments are never acknowledged with a Functional Acknowledgment, nor are Application Advices responded to by an Application Advice.
- Transaction Set 832, Price Sales Catalog, edit errors should not be reported to the third party service provider. Report Transaction Set 832 edits errors to the data originator.
- Transaction Set 824, where applicable, can be sent for non-EDI documents (e.g., paper invoice).
- All edit errors on a document should be reported (do not stop editing once an error is detected on a document).
- The 824 can be sent for application errors detected on different transaction sets received, e.g., 810, 856, etc. It is recommended that the 824 sender generate a unique interchange file (ISA to IEA Segments) for application errors detected on a specific transaction set. For example, a separate interchange would be generated for application errors detected on an 856 versus errors detected on an 810. It is also recommended that the 824 sender assign a unique sender-ID which will enable the 824 receiver to identify which transaction set errors are being received. By generating a unique interchange and sender-ID for each transaction set's application errors, the 824 receiver can quickly direct the 824 data to the appropriate internal group for corrective action.
- If the sender of this transaction set has access to the GS and ST segments associated with the detected errors, it is recommended that the following data elements be included in the 824: functional group number, functional group date, and transaction set control number. This information can facilitate the error correction process.
- 824 application errors are usually forwarded to individuals who are not familiar with data processing terminology. As a result, if it is necessary to describe the error condition in text form, use business terminology, rather than EDI terminology. For example, use "store" number instead of "buying location", use "U.P.C. code" instead of "Product/Service ID".

- The 824 transaction set can be used to accept or reject multiple 820 transaction sets. For the 820, most financial institutions can provide the originator with detailed information about which payment transactions have been accepted or rejected. Key data from the 820 is used to uniquely identify each 820 payment; an example would be using the payees account number.
- Do not use transaction set 824 in place of transaction 812 (Credit/Debit Adjustment) to communicate adjustments related to allowances or pricing.

Conventions used in these guidelines

1. Every data element on each segment is listed in the Data Element Summary section of the segment documentation, including unused Elements.
2. Every data element has the ANSI X12 data element ID noted.
3. Every data element has the ANSI X12 data element title noted.
4. Every data element has the ANSI X12 data element attributes noted:
 - 4.1. Data element requirement designation
 - 4.1.1. **Mandatory (M)** This element is required to appear in the segment.
 - 4.1.2. **Optional (O)** The appearance of this data element is at the option of the sending party or is based on the mutual agreement of the interchange parties.
 - 4.1.3. **Relational (X)** Relational conditions may exist between two or more data elements within a segment based on the presence or absence of one of those data elements. The relational condition is displayed under the heading “Syntax Notes.”
 - 4.2. Data element type
 - 4.2.1. **Numeric (Nn)** — The numeric type of data element is symbolized by the two-position representation Nn. N indicates a numeric, and n indicates the decimal places to the right of a fixed, implied decimal point. the decimal point is not transmitted in the character stream. For negative values, the leading minus sign (-) is used. Absence of a sign indicates a positive value. The plus sign (+) should not be transmitted. Leading zeros should be suppressed unless necessary to satisfy a minimum length requirement. The length of the data element is the number of digits used. The minus sign (-) is not counted when determining the length of the data element value.
 - 4.2.2. **Decimal Number (R)** — The decimal type of data element is symbolized by the representation R. The decimal point is optional for integer values, but required for fractional values. For negative values, the leading minus sign (-) is used. Absence of a sign indicates a positive value. The plus sign (+) should not be transmitted. Leading zeros should be suppressed unless necessary to satisfy a minimum length requirement. The minus sign and the decimal point are not counted when determining the length of the data element value.
 - 4.2.3. **Identifier (ID)** — The identifier type of data element is symbolized by the representation ID. An identifier data element must always contain a value from a predefined list of values that is maintained by ASC X12 or other bodies that are recognized by ASC X12. The value is left justified. Trailing spaces should be suppressed.
 - 4.2.4. **String (AN)** — The string type of data element is symbolized by the representation AN. Contents of string type data elements are a sequence of any letters, digits, spaces, and/or special characters and contain at least one non-space character. The significant characters must be left justified. Leading spaces, if used, are assumed to be significant characters. Trailing spaces should be suppressed.
 - 4.2.5. **Date (DT)** — The date type of data element is symbolized by the representation DT. Format for the date type is CCYYMMDD. CC is the two digit Century (00-99). YY is the last two digits of the year (00-99),

MM is the numeric value of the month (01-12), and DD is the numeric value of the day (01-31).

- 4.2.6. **Time (TM)** — The time type is symbolized by the representation TM. Format for this type is expressed in 24-hour clock format, HHMMSSd.d. HH is the numeric expression of the hour (00-23), MM is the numeric expression of the minute (00-59), SS is the numeric expression of the second (00-59), and d.d is the numeric expression of decimal seconds.

4.3. Data element length (minimum/maximum)

5. Data elements utilized by Wal-Mart applications are noted in **bold** type.
6. Data elements ignored by Wal-Mart application are noted in *italicized type*.
7. Every data element utilized by Wal-Mart applications has the ANSI X12 data element purpose noted.
8. ID-type data elements have the list of utilized values noted.
9. **Industry comments relating to segments and data elements are noted in bold text with a shaded background.**
10. **Wal-Mart comments relating to segments and data elements are noted in underlined bold text with a shaded background.**

Example of Conventions

Segment: **N1** Name
Position: 0300
Loop: N1
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:
Comments: 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.
 2 N105 and N106 further define the type of entity in N101.

Notes: In some EDI Implementations, it may be necessary to identify the sender and/or receiver of the transaction set within each transaction set. To identify the sender of the transaction set, N101 will contain code FR, N103 will contain 93, and N104 will contain the actual identification number. To identify the receiver of the transaction set, N101 will contain code TO, N103 will contain code 94, and N104 will contain the actual identification number. These four codes may be used only in the combination listed above and may be used only to identify the sender and/or receiver of the transaction set.
This segment will always identify Wal-Mart Stores, Inc. as the sender of the document

Data Element Summary				
	Ref. Des.	Data Element	Name	
1	M	N101	98 Entity Identifier Code	8
2			Code identifying an organizational entity, a physical location, property or an individual	
3		N102	93 Name	
			Free-form name	
		N103	66 Identification Code Qualifier	
			Code designating the system/method of code structure used for Identification Code (67)	
			UL UCC/EAN Location Code	7
			A globally unique 13 digit code for the identification of a legal, functional or physical location within the Uniform Code Council (UCC) and International Article Number Association (EAN) numbering system	
5		N104	67 Identification Code	X AN 2/80
			Code identifying a party or other code	
1		N105	706 Entity Relationship Code	O ID 2/2
			Code describing entity relationship	
6		N106	98 Entity Identifier Code	O ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	

824 Application Advice – Changes from Previous (4030) Version

NOTE: This change summary is included as a checklist only, to help ensure that all changes have been accounted for. It is not to be used as a complete implementation reference, as it does not include all of the necessary information.

<u>Segment</u>	<u>Position</u>	<u>Data Element</u>	<u>Change</u>	<u>Qualifier</u>
No Changes				

Change History

Date	Version	Description of Changes
December , 2004	DRAFT 0.1	Publish Draft version 0.1 of the Document
January, 2005	Version 1.0	Production version of guide published
June, 2005	Version 1.1	New Application Error Condition Code added to the TED segment.