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824 Application Advice - Implementation Guide Reporting

Functional Group=AG

Purpose: This X12 Transaction Set 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).

Not Defined:

<u>Page</u>	<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
2		ISA	Interchange Control Header	M	1			Required
5		GS	Functional Group Header	M	1			Required

Heading:

<u>Page</u>	<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
7		ST	Transaction Set Header	M	1			Required
8		BGN	Beginning Segment	M	1			Required

Detail:

<u>Page</u>	<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
10		LOOP ID - 2000					≥1	
11		OTI	Original Transaction Identification	M	1			Required
15		LOOP ID - 2100					10	
16		TED	Technical Error Description	O	1			Situational
19		SE	Transaction Set Trailer	M	1			Required

Not Defined:

<u>Page</u>	<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
20		GE	Functional Group Trailer	M	1			Required
21		IEA	Interchange Control Trailer	M	1			Required

ISA Interchange Control Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 16

User Option (Usage): Required

Purpose: To start and identify an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISA01	I01	Authorization Information Qualifier	M	ID	2/2	Required

Description: Code identifying the type of information in the Authorization Information

CodeList Summary (Total Codes: 7, Included: 2)

Code Name

- 00 No Authorization Information Present (No Meaningful Information in I02)
ADVISED ADVISED UNLESS SECURITY REQUIREMENTS MANDATE USE OF ADDITIONAL IDENTIFICATION INFORMATION.
- 03 Additional Data Identification

ISA02	I02	Authorization Information	M	AN	10/10	Required
-------	-----	----------------------------------	---	----	-------	----------

Description: Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)

ISA03	I03	Security Information Qualifier	M	ID	2/2	Required
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Description: Code identifying the type of information in the Security Information

CodeList Summary (Total Codes: 2, Included: 2)

Code Name

- 00 No Security Information Present (No Meaningful Information in I04)
ADVISED UNLESS SECURITY REQUIREMENTS MANDATE USE OF PASSWORD DATA.
- 01 Password

ISA04	I04	Security Information	M	AN	10/10	Required
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Description: This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)

ISA05	I05	Interchange ID Qualifier	M	ID	2/2	Required
-------	-----	---------------------------------	---	----	-----	----------

Description: Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified

CodeList Summary (Total Codes: 41, Included: 9)

Code Name

- 01 Duns (Dun & Bradstreet)
- 14 Duns Plus Suffix
- 20 Health Industry Number (HIN)

CODE SOURCE:

121: Health Industry Number

Code Name

- 27 Carrier Identification Number as assigned by Health Care Financing Administration (HCFA)
- 28 Fiscal Intermediary Identification Number as assigned by Health Care Financing Administration (HCFA)
- 29 Medicare Provider and Supplier Identification Number as assigned by Health Care Financing Administration (HCFA)
- 30 U.S. Federal Tax Identification Number
- 33 National Association of Insurance Commissioners Company Code (NAIC)
- ZZ Mutually Defined

ISA06 I06 **Interchange Sender ID** M AN 15/15 Required

Description: Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element

ISA07 I05 **Interchange ID Qualifier** M ID 2/2 Required

Description: Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified

This ID qualifies the Receiver in ISA08.

CodeList Summary (Total Codes: 41, Included: 9)

Code Name

- 01 Duns (Dun & Bradstreet)
- 14 Duns Plus Suffix
- 20 Health Industry Number (HIN)
- 27 Carrier Identification Number as assigned by Health Care Financing Administration (HCFA)
- 28 Fiscal Intermediary Identification Number as assigned by Health Care Financing Administration (HCFA)
- 29 Medicare Provider and Supplier Identification Number as assigned by Health Care Financing Administration (HCFA)
- 30 U.S. Federal Tax Identification Number
- 33 National Association of Insurance Commissioners Company Code (NAIC)
- ZZ Mutually Defined

ISA08 I07 **Interchange Receiver ID** M AN 15/15 Required

Description: Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them

ISA09 I08 **Interchange Date** M DT 6/6 Required

Description: Date of the interchange

The date format is YYMMDD.

ISA10 I09 **Interchange Time** M TM 4/4 Required

Description: Time of the interchange

The time format is HHMM.

ISA11 I65 **Repetition Separator** M 1/1 Required

Description: Type is not applicable; the repetition separator is a delimiter and not a data element; this field provides the delimiter used to separate repeated occurrences of a

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		simple data element or a composite data structure; this value must be different than the data element separator, component element separator, and the segment terminator				
ISA12	I11	Interchange Control Version Number	M	ID	5/5	Required
		Description: Code specifying the version number of the interchange control segments				
		CodeList Summary (Total Codes: 17, Included: 1)				
		Code	Name			
		00405	Standards Approved for Publication by ASC X12 Procedures Review Board through October 2001			
ISA13	I12	Interchange Control Number	M	N0	9/9	Required
		Description: A control number assigned by the interchange sender				
		<i>The Interchange Control Number, ISA13, must be identical to the associated Interchange Trailer IEA02.</i>				
ISA14	I13	Acknowledgment Requested	M	ID	1/1	Required
		Description: Code indicating sender's request for an interchange acknowledgment				
		<i>See Section A.1.1.5.1 for interchange acknowledgment information.</i>				
		All valid standard codes are used. (Total Codes: 2)				
ISA15	I14	Usage Indicator	M	ID	1/1	Required
		Description: Code indicating whether data enclosed by this interchange envelope is test, production or information				
		CodeList Summary (Total Codes: 3, Included: 2)				
		Code	Name			
		P	Production Data			
		T	Test Data			
ISA16	I15	Component Element Separator	M		1/1	Required
		Description: Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator				

Notes:

1. For compliant implementations under this implementation guide, ISA13, the interchange Control Number, must be a positive (therefore unsigned) number. Therefore, the ISA segment can be considered a fixed record length segment. All positions within each of the data elements must be filled. The first element separator defines the element separator to be used through the entire interchange. The segment terminator used after the ISA defines the segment terminator to be used throughout the entire interchange. Spaces in the example are represented by "." for clarity.

Example:

```
ISA* 00* ..... * 01* SECRET.... * ZZ* SUBMITTERS.ID.. * ZZ*
RECEIVERS.ID... * 930602* 1253* ^* 00404* 000000905* 1* T* :~
```

GS Functional Group Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 8

User Option (Usage): Required

Purpose: To indicate the beginning of a functional group and to provide control information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GS01	479	Functional Identifier Code	M	ID	2/2	Required

Description: Code identifying a group of application related transaction sets

CodeList Summary (Total Codes: 262, Included: 1)

Code Name

AG Application Advice (824)

GS02	142	Application Sender's Code	M	AN	2/15	Required
------	-----	----------------------------------	---	----	------	----------

Description: Code identifying party sending transmission; codes agreed to by trading partners

Use this code to identify the unit sending the information.

GS03	124	Application Receiver's Code	M	AN	2/15	Required
------	-----	------------------------------------	---	----	------	----------

Description: Code identifying party receiving transmission; codes agreed to by trading partners

Use this code to identify the unit receiving the information.

GS04	373	Date	M	DT	8/8	Required
------	-----	-------------	---	----	-----	----------

Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

Use this date for the functional group creation date.

GS05	337	Time	M	TM	4/8	Required
------	-----	-------------	---	----	-----	----------

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)

Use this time for the creation time. The recommended format is HHMM.

GS06	28	Group Control Number	M	N0	1/9	Required
------	----	-----------------------------	---	----	-----	----------

Description: Assigned number originated and maintained by the sender

For implementations compliant with this guide, GS06 must be unique within a single transmission (that is, within a single ISA to IEA enveloping structure). The authors recommend that GS06 be unique within all transmissions over a period of time to be determined by the sender.

GS07	455	Responsible Agency Code	M	ID	1/2	Required
------	-----	--------------------------------	---	----	-----	----------

Description: Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480

CodeList Summary (Total Codes: 2, Included: 1)

Code Name

X Accredited Standards Committee X12

GS08 480 **Version / Release / Industry Identifier Code** M AN 1/12 Required

Description: 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

CodeList Summary (Total Codes: 67, Included: 1)

<u>Code</u>	<u>Name</u>
004050X16 6	Standards Approved for Publication by ASC X12 Procedures Review Board through October 2001, as published in this implementation guide.

Semantics:

1. GS04 is the group date.
2. GS05 is the group time.
3. The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.

Comments:

1. A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

Example:

```
GS*HV*SENDER CODE*RECEIVER
CODE*19940331*0802*1*X*004050X168~
```

ST Transaction Set Header

Pos:	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 3

User Option (Usage): Required

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Required

Description: Code uniquely identifying a Transaction Set

CodeList Summary (Total Codes: 315, Included: 1)

Code Name

824 Application Advice

ST02	329	Transaction Set Control Number	M	AN	4/9	Required
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Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

The Transaction Set Control Numbers in ST02 and SE02 must be identical. The number is assigned by the originator and must be unique within a functional group (GS-GE). The number also aids in error resolution research. For example, start with the number 0001 and increment from there.

ST03	1705	Implementation Convention Reference	O	AN	1/35	Required
------	------	-------------------------------------	---	----	------	----------

Description: Reference assigned to identify Implementation Convention

Industry: Implementation Convention Reference Identifier

This field contains the same value as data element GS08. The value is 004050X166. Some translator products strip off the ISA and GS segments prior to application (ST - SE) processing. Providing the information from GS08 at this level will help ensure the appropriate application mapping is utilized at translation time. This value is always 004050X166.

Semantics:

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. When used, this implementation convention reference takes precedence over the implementation reference specified in the GS08.

Example:

ST*824*1234*004050~

BGN Beginning Segment

Pos:	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 6

User Option (Usage): Required

Purpose: To indicate the beginning of a transaction set

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BGN01	353	Transaction Set Purpose Code	M	ID	2/2	Required

Description: Code identifying purpose of transaction set

CodeList Summary (Total Codes: 66, Included: 1)

Code Name

11 Response

BGN02	127	Reference Identification	M	AN	1/50	Required
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Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Industry: *Transaction Set Identifier Code*

Use the transaction set reference number assigned by the sender's application to uniquely identify this occurrence of the transaction for future reference.

BGN03	373	Date	M	DT	8/8	Required
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Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

Industry: *Transaction Set Creation Date*

BGN04	337	Time	X	TM	4/8	Required
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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)

Industry: *Transaction Set Creation Time*

BGN06	127	Reference Identification	O	AN	1/50	Required
-------	-----	--------------------------	---	----	------	----------

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

Industry: *Referenced Interchange Control Number*

This is the value in ISA13 from the transaction being acknowledged by this 824 transaction set.

BGN08	306	Action Code	O	ID	1/2	Required
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Description: Code indicating type of action

CodeList Summary (Total Codes: 320, Included: 3)

Code Name

U Reject

Use this value when an entire transaction is being rejected for non compliance with implementation guide errors. The entire ST to SE transaction is Rejected by the receiving entity

Code Name

RU Return

Use this value when a portion of the transaction is being accepted which meets compliance with implementation guide criteria. The portion of the transaction set not meeting the implementation guide criteria will be reported in this transaction to the submitting entity for correction and retransmission if necessary or possible.

WQ Accept

Use this value when an entire transaction is being accepted and meets all compliance with implementation guide criteria. The entire ST to SE transaction is accepted by the receiving entity for application processing.

Syntax Rules:

1. C0504 - If BGN05 is present, then BGN04 is 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.

Example:

*BGN*11*20011218001*20011224*2311**123456789**U~*

Loop Original Transaction Identification

Pos:	Repeat: >1
Mandatory	
Loop: 2000	Elements: N/A

User Option (Usage): Required

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
	OTI	Original Transaction Identification	M	1		Required
		Loop 2100	O		10	Situational

OTI Original Transaction Identification

Pos:	Max: 1
Detail - Mandatory	
Loop: 2000	Elements: 11

User Option (Usage): Required

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
OTI01	110	Application Acknowledgment Code	M	ID	1/2	Required

Description: Code indicating the application system edit results of the business data

The codes for the "Application Acknowledgement Code" contain two characters. The first character indicates the edit level, and the second character indicates the results of the edit. Any combination of the first and second characters is valid. The following values are valid for each set of characters:

First character

T=Transaction - All transactions from a single source; the transactions may represent multiple entities.

B=Batch - All transactions from a single entity.

I=Item - One of the transactions from a single entity that may have submitted multiple transactions.

The REF segment would be used if needed to identify the single entity or other identifying data to supplement what is in the OTI.

Second character

A=Accept: Use this code when no errors are found and all data is accepted for further processing.

C=Accept with Data Content Change: Use this code when errors are present and the data is changed to accept for further processing.

E=Accept with Errors: Use this code when all data is accepted for further processing even though errors are present.

P=Partial Accept/Reject: Use this code when a portion of the data is accepted and a portion of the data is rejected due to errors. Some data has been accepted for further processing. Rejected data must be corrected by the submitter and resubmitted.

R=Reject: Use this code when all data is rejected due to errors. No data is accepted for further processing. Submitter must correct and resubmit the (batch, transaction, or item) that was in error.

CodeList Summary (Total Codes: 22, Included: 15)

Code Name

- BA Batch Accept
- BC Batch Accept with Data Content Change
- BE Batch Accept with Error
- BP Batch Partial Accept/Reject
- BR Batch Reject
- IA Item Accept
- IC Item Accept with Data Content Change
- IE Item Accept with Error
- IP Item Partial Accept/Reject
- IR Item Reject
- TA Transaction Set Accept
- TC Transaction Set Accept with Data Content Change

		<u>Code</u> <u>Name</u>				
		TE	Transaction Set Accept with Error			
		TP	Transaction Set Partial Accept/Reject			
		TR	Transaction Set Reject			
OTI02	128	Reference Identification Qualifier		M	ID	2/3 Required
		Description: Code qualifying the Reference Identification				
		CodeList Summary (Total Codes: 1690, Included: 4)				
		<u>Code</u> <u>Name</u>				
		BT	Batch Number			
			<i>Use code BT to identify any other grouping not specifically covered by one of the other codes.</i>			
		IX	Item Number			
			<i>Use code IX to identify an individual item within a transaction set.</i>			
		TN	Transaction Reference Number			
			<i>Use code TN when the Loop 2000 (OTI) refers to an entire transaction set (i.e. ST/SE). Use the value supplied in ST02 in OTI03.</i>			
		OIC	Object Identifier			
			<i>Use code OIC to identify a particular loop.</i>			
OTI03	127	Reference Identification		M	AN	1/50 Required
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
		Industry: <i>Edit Level Reference Number Identification Number</i>				
OTI04	142	Application Sender's Code		O	AN	2/15 Situational
		Description: Code identifying party sending transmission; codes agreed to by trading partners				
OTI05	124	Application Receiver's Code		O	AN	2/15 Situational
		Description: Code identifying party receiving transmission; codes agreed to by trading partners				
OTI06	373	Date		O	DT	8/8 Required
		Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year				
		Industry: <i>Functional Group Creation Date</i>				
		<i>This is the value in GS04 from the transaction being acknowledged by the 824 transaction set.</i>				
OTI07	337	Time		O	TM	4/8 Required
		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)				
		Industry: <i>Functional Group Creation Time</i>				
		<i>This is the value in GS05 from the transaction being acknowledged by the 824 transaction set.</i>				
OTI08	28	Group Control Number		X	N0	1/9 Required

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Assigned number originated and maintained by the sender				
		Industry: <i>Functional Group Control Number</i>				
		<i>This is the value in GS06 from the transaction being acknowledged by the 824 transaction set.</i>				
OTI09	329	Transaction Set Control Number	O	AN	4/9	Required
		Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				
		<i>This is the value in ST02 from the transaction being acknowledged by the 824 transaction set.</i>				
OTI10	143	Transaction Set Identifier Code	O	ID	3/3	Required
		Description: Code uniquely identifying a Transaction Set				
		CodeList Summary (Total Codes: 315, Included: 20)				
		Code Name				
		112 Property Damage Report				
		124 Vehicle Damage				
		148 Report of Injury, Illness or Incident				
		187 Premium Audit Request and Return				
		266 Mortgage or Property Record Change Notification				
		269 Health Care Benefit Coordination Verification				
		270 Eligibility, Coverage or Benefit Inquiry				
		271 Eligibility, Coverage or Benefit Information				
		272 Property and Casualty Loss Notification				
		274 Healthcare Provider Information				
		275 Patient Information				
		276 Health Care Claim Status Request				
		277 Health Care Claim Status Notification				
		278 Health Care Services Review Information				
		811 Consolidated Service Invoice/Statement				
		820 Payment Order/Remittance Advice				
		834 Benefit Enrollment and Maintenance				
		835 Health Care Claim Payment/Advice				
		837 Health Care Claim				
		<i>Includes Property and Casualty Medical Bill Report to Regulatory Agencies.</i>				
		841 Specifications/Technical Information				
OTI11	480	Version / Release / Industry Identifier Code	O	AN	1/12	Required
		Description: 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				
		Industry: <i>Version, Release, or Industry Identifier</i>				
		CODE SOURCE: <i>881: Version / Release / Industry Identifier Code</i>				
		<i>This is the value in GS08 from the transaction being acknowledged by the 824 transaction set.</i>				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		ExternalCodeList				
		Name: 881				
		Description: Version / Release / Industry Identifier Code				

Syntax Rules:

1. C0908 - If OTI09 is present, then OTI08 is 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.

Notes:

1. An 824 transaction may be used to report acceptance or rejection of an entire transaction or individual portions of a transaction. The OTI segment is used as the primary means to identify the portion (or all) of the received transaction which is being reported upon.

For example, if an entire transaction set (i.e. ST/SE) is being rejected, then the OTI segment would likely indicate the ST control number to identify which ST/SE transaction set of the received file is being rejected. If part of the transaction is being rejected (e.g. a single claim status request in a 276 transaction), then the OTI segment could indicate the Submitter Trace number in the TRN segment of the rejected portion.

Example:

P&C Example:

OTI*IR*IX*999999999***20020605*1430*555555*0001*266*004010~

This example indicates the rejection of a single item within a 266 transaction set.

Health Care Example:

OTI*TP*OIC*999999999***20020605*1442*555555*0001*276*004010X093A1~

This example indicates that part of the 276 transaction set was accepted and part was rejected.

Loop Technical Error Description

Pos:	Repeat: 10
	Optional
Loop: 2100	Elements: N/A

User Option (Usage): Situational

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
	TED	Technical Error Description	O	1		Situational

TED Technical Error Description

Pos:	Max: 1
Detail - Optional	
Loop: 2100	Elements: 7

User Option (Usage): Situational

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TED01	647	Application Error Condition Code	M	ID	1/3	Required

Description: Code indicating application error condition

CodeList Summary (Total Codes: 200, Included: 21)

Code Name

- O Missing or Invalid Issuer Identification
- P Missing or Invalid Item Quantity
- Q Missing or Invalid Item Identification
- U Missing or Unauthorized Transaction Type Code
- 006 Duplicate
- 007 Missing Data
- 008 Out of Range
- 009 Invalid Date
- 010 Total Out of Balance
- 011 Not Matching
- 012 Invalid Combination
- 024 Other Unlisted Reason
- 027 Customer Identification Number Does not Exist
- 815 Duplicate Batch
- 848 Incorrect Data
- DTE Incorrect Date
- DUP Duplicate Transaction
- ICA Invalid Claim Amount
- IID Invalid Identification Code
- NAU Not Authorized
- UCN Unknown Claim Number

Use code 024 when TED02 is used to report a code.

TED02	3	Free Form Message	O	AN	1/60	Situational
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Description: Free-form text

Industry: *Free Form Message Text*

*Required when code 024 is used in TED01. If not required, may be provided at the sender's discretion.
Use the first two characters of this data element for error code reporting, followed by a single space, with the remaining spaces reserved for free form messages. Valid error codes are as follows:*

- 00 No error code applies (use free-form message)*
- 01 Required loop missing*
- 02 Required segment missing*
- 03 Required element missing*

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		04 Situational loop missing 05 Situational segment missing 06 Situational element missing 07 Data too long 08 Data too short 09 Invalid external code value 10 Data value out of sequence 11 "Not Used" data element present 12 Too many sub-elements in composite 13 Unexpected segment				
TED03	721	Segment ID Code	O	ID	2/3	Required
		Description: Code defining the segment ID of the data segment in error.				
TED04	719	Segment Position in Transaction Set	O	N0	1/6	Required
		Description: The numerical count position of this data segment from the start of the transaction set: the transaction set header is count position 1 <i>If segment is missing, indicate position of next identifiable segment.</i>				
TED05	C030	Position in Segment	O	Comp		Situational
		Description: Code indicating the relative position of the simple data element or composite data structure in error within a segment, count beginning with 1 for the position immediately following the segment ID; additionally indicating the relative position of a repeating structure in error, count beginning with 1 for the position immediately following the preceding element separator; additionally indicating the relative position of a component of a composite data structure in error, count beginning with 1 for the position following the preceding element or repetition separator <i>Required if TED01 applies to a data element. If not required, do not send.</i>				
TED05-01	722	Element Position in Segment	M	N0	1/2	Required
		Description: 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				
TED05-02	1528	Component Data Element Position in Composite	O	N0	1/2	Situational
		Description: To identify the component data element position within the composite that is in error <i>Required if TED01 applies to a composite data element. If not required, do not send.</i>				
TED05-03	1686	Repeating Data Element Position	O	N0	1/4	Situational
		Description: To identify the specific repetition of a data element that is in error <i>Required if TED01 applies to a repeating composite data element. If not required, do not send.</i>				
TED07	724	Copy of Bad Data Element	O	AN	1/99	Situational
		Description: This is a copy of the data element in error <i>Required unless invalid characters are present or data is missing. If not required, do not send.</i>				
TED08	961	Data Element New Content	O	AN	1/99	Situational

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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Description: New data which has replaced erroneous data

Required if OTI01 is equal to "BC", "IC", or "TC".

If not required, do not send.

Comments:

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

Notes:

1. Required if OTI01 is equal to "BR", "IR", or "TR".
2. Allowed, at the discretion of the trading partners (see 2.1.1), when OTI01 is equal to "BC", "IC", "TC", "BE", "IE", "TE", "BP", "IP", or "TP".
3. Not used when OTI01 is equal to "BA", "IA", or "TA".

Example:

TED*007**REF*456*1**123450000021*1234500000~

SE Transaction Set Trailer

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

User Option (Usage): Required

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)

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	Number of Included Segments	M	N0	1/10	Required

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	Required
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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.

Example:

*SE*19*1234~*

GE Functional Group Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Required

Purpose: To indicate the end of a functional group and to provide control information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GE01	97	Number of Transaction Sets Included	M	N0	1/6	Required
		Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element				
GE02	28	Group Control Number	M	N0	1/9	Required
		Description: Assigned number originated and maintained by the sender				

Semantics:

1. The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.

Comments:

1. The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

Example:

*GE*1*1~*

IEA Interchange Control Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Required

Purpose: To define the end of an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
IEA01	I16	Number of Included Functional Groups	M	N0	1/5	Required
Description: A count of the number of functional groups included in an interchange						
IEA02	I12	Interchange Control Number	M	N0	9/9	Required
Description: A control number assigned by the interchange sender						

Example:

*IEA*1*000000905~*

Appendix

All Included Elements in All Included Segments

<u>Id</u>	<u>Elements</u>	<u>Used in Segments</u>
C030	Position in Segment	TED
3	Free Form Message	TED
28	Group Control Number	GE, GS, OTI
96	Number of Included Segments	SE
97	Number of Transaction Sets Included	GE
110	Application Acknowledgment Code	OTI
124	Application Receiver's Code	GS, OTI
127	Reference Identification	BGN, OTI
128	Reference Identification Qualifier	OTI
142	Application Sender's Code	GS, OTI
143	Transaction Set Identifier Code	OTI, ST
306	Action Code	BGN
329	Transaction Set Control Number	OTI, SE, ST
337	Time	BGN, GS, OTI
353	Transaction Set Purpose Code	BGN
373	Date	BGN, GS, OTI
455	Responsible Agency Code	GS
479	Functional Identifier Code	GS
480	Version / Release / Industry Identifier Code	GS, OTI
647	Application Error Condition Code	TED
719	Segment Position in Transaction Set	TED
721	Segment ID Code	TED
722	Element Position in Segment	TED
724	Copy of Bad Data Element	TED
961	Data Element New Content	TED
1528	Component Data Element Position in Composite	TED
1686	Repeating Data Element Position	TED
1705	Implementation Convention Reference	ST
I01	Authorization Information Qualifier	ISA
I02	Authorization Information	ISA
I03	Security Information Qualifier	ISA
I04	Security Information	ISA
I05	Interchange ID Qualifier	ISA
I06	Interchange Sender ID	ISA
I07	Interchange Receiver ID	ISA
I08	Interchange Date	ISA
I09	Interchange Time	ISA
I11	Interchange Control Version Number	ISA
I12	Interchange Control Number	IEA, ISA
I13	Acknowledgment Requested	ISA
I14	Usage Indicator	ISA

<u>Id</u>	<u>Elements</u>	<u>Used in Segments</u>
115	Component Element Separator	ISA
116	Number of Included Functional Groups	IEA
165	Repetition Separator	ISA