

ARMY AND AIR FORCE EXCHANGE SERVICE

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).

Notes:

This transaction will be used by AAFES to report application errors from the business application systems. Application errors will not be communicated via phone, fax, or paper once the 824 is moved to production.

AAFES will not use the 824 to acknowledge receipt of transmissions with no errors.

All errors on a document will be reported.

Heading:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
3	0100	ST	Transaction Set Header	M	1		
4	0200	BGN	Beginning Segment	M	1		
LOOP ID - N1						>1	
5	0300	N1	Name	O	1		
Not Used	0400	N2	Additional Name Information	O	2		
Not Used	0500	N3	Address Information	O	2		
Not Used	0600	N4	Geographic Location	O	1		
Not Used	0700	REF	Reference Identification	O	12		
Not Used	0800	PER	Administrative Communications Contact	O	3		

Detail:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
LOOP ID - OTI						>1	
6	0100	OTI	Original Transaction Identification	M	1		n1
Not Used	0200	REF	Reference Identification	O	12		n2
Not Used	0300	DTM	Date/Time Reference	O	2		n3
Not Used	0400	PER	Administrative Communications Contact	O	3		n4
Not Used	0500	AMT	Monetary Amount	O	>1		n5
Not Used	0600	QTY	Quantity	O	>1		n6
Not Used	0650	NM1	Individual or Organizational Name	O	9		n7
LOOP ID - TED						>1	
8	0700	TED	Technical Error Description	O	1		
12	0800	NTE	Note/Special Instruction	O	100		

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13	0820	RED	Related Data	O	100	n8
			LOOP ID - LM	>1		
Not Used	0850	LM	Code Source Information	O	1	n9
			LOOP ID - LQ	100		
Not Used	0860	LQ	Industry Code	M	1	
Not Used	0870	RED	Related Data	O	100	n10
14	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.

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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.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
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	M 1 AN 4/9

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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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
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 <i>The sender's internal number used to identify this transaction set within the sender's application system.</i>	M 1 AN 1/50
M	BGN03	373	Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year <i>Date of the 824.</i>	M 1 DT 8/8

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Segment: N1 Name
Position: 0300
Loop: N1 Optional (Recommended)
Level: Heading
Usage: Optional (Recommended)
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.

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual	M 1 ID 2/3
		FR	Message From	
		TO	Message To	
	N102	93	Name Free-form name	X 1 AN 1/60
R	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67)	X 1 ID 1/2
		1	D-U-N-S Number, Dun & Bradstreet	
		9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
		92	Assigned by Buyer or Buyer's Agent	
R	N104	67	Identification Code Code identifying a party or other code	X 1 AN 2/80

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Segment: OTI Original Transaction Identification

Position: 0100

Loop: OTI Mandatory

Level: Detail

Usage: Mandatory

Max Use: 1

Purpose: To identify the edited transaction set and the level at which the results of the edit are reported, and to indicate the accepted, rejected, or accepted-with-change edit result

Syntax Notes: 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	M 1 ID 1/2
			IR Item Reject	
			TA Transaction Set Accept	
			TE Transaction Set Accept with Error	
			TR Transaction Set Reject	
M	OTI02	128	Reference Identification Qualifier Code qualifying the Reference Identification	M 1 ID 2/3
			<i>Identifies error transaction set's key field. For example, Transaction Set 810's key is invoice number.</i>	
			08 Carrier Assigned Package Identification Number A reference number assigned by a carrier to uniquely identify a single package	
			1X Credit or Debit Adjustment Number	
			2F Consolidated Invoice Number	
			BM Bill of Lading Number	
			CN Carrier's Reference Number (PRO/Invoice)	
			IV Seller's Invoice Number	

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PD Promotion/Deal Number
PO Purchase Order Number
SI Shipper's Identifying Number for Shipment (SID)
 A unique number (to the shipper) assigned by the shipper to identify the shipment
TN Transaction Reference Number
VP Vendor Product Number
 A unique number assigned by a vendor or manufacturer to identify its products

M	OTI03	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M	1	AN 1/50
	OTI08	28	Group Control Number Assigned number originated and maintained by the sender <i>Contains GS06 data contents from the original functional group generated by the sender.</i>	X	1	N0 1/9
	OTI09	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 <i>Contains ST02 data contents from the original transaction set header generated by the sender.</i>	O	1	AN 4/9
R	OTI10	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set <i>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.</i> Refer to 004030 Data Element Dictionary for acceptable code values.	O	1	ID 3/3

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Segment: **TED** Technical Error Description
Position: 0700
Loop: TED Optional (Recommended)
Level: Detail
Usage: Optional (Recommended)
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.).

Notes: *Separate iterations of the TED loop should be generated for each error condition detected.*

This segment is required except when OTI01 contains code GA or TA.

The codes listed for TED02 may not be used in conjunction with any code other than 024 in TED01.

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
M	TED01	647 Application Error Condition Code Code indicating application error condition	M 1 ID 1/3
		003 Duplicate Billing	
		005 Route Error	
		006 Duplicate	
		007 Missing Data	
		008 Out of Range	
		009 Invalid Date	
		<i>Missing or invalid date.</i>	
		010 Total Out of Balance	
		<i>Line item totals do not match transaction totals.</i>	
		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	
		<i>This code is used only when the application error condition cannot be described using any other code in TED01.</i>	
		802 Invalid Debit or Credit Flag Code	
		803 Missing or Invalid Payment Method Code	
		807 Missing or Invalid Originating Account Number	
		808 Missing or Invalid Receiving Account Number	
		809 Missing Effective Entry Date	
		812 Missing Transaction Reference or Trace Number	
		813 Missing or Invalid Payee Name and Address	
		814 Received After Cutoff Date or Time	
		815 Duplicate Batch	
		817 Duplicate Trace Number	
		834 Missing or Invalid Effective Payment Date	
		847 Closed/Non-Existent Account Number	
		848 Incorrect Data	

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DBL	Duplicate Bill of Lading Number Carrier has reused a shippers authorization number assigned to another shipment
DDT	Departure Date Invalid The move/service date precedes the authorized date
DRC	Duplicate Railcar Departure The railcar reported has a conflicting previous departure on the same date
DTE	Incorrect Date The reported date is incorrect (e.g. premature date for transaction or non-existent date such as February 30)
DUP	Duplicate Transaction The identical transaction has been transmitted more than once within the same input file
H	Missing or Invalid Unit of Measure Code
ICG	Invalid Charge Allowance Qualifier The Charge Allowance Qualifier (DE538) reported is invalid
INC	Incomplete Transaction Optional Element(s) required by the application are missing
IQT	Invalid Quantity
IWT	Invalid Weight
MA	Missing or Invalid Store Number
MB	Missing or Invalid Purchase Order Number
MBL	Multiple Bills of Lading Multiple Bills of Lading have been transmitted for a 3 for 2 shipment (only one bill of lading is required)
MC	Missing or Invalid Bill of Lading Number
MD	Missing or Invalid Invoice Date
MDN	Missing Department Number
ME	Missing or Invalid Department Number
MF	Missing or Invalid Internal Vendor Number
MG	Missing or Invalid U.P.C. Code
MH	Missing or Invalid DUNS Number
MI	Missing or Invalid SCAC
MID	Missing Identification Code
MJ	Missing or Invalid Terms
MM	Missing or Invalid Bill to Location
MN	Missing or Invalid Unit Cost
MQT	Missing Quantity
MWT	Missing Weight
N	Missing or Invalid Payer Identification
NAU	Not Authorized The move/service reported by the carrier has not been authorized by the shipper
P	Missing or Invalid Item Quantity
POI	Purchase Order Number Invalid
PPD	Previously Paid The freight bill/invoice/waybill has previously

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	been paid
Q	Missing or Invalid Item Identification
QTY	Quantity
	The number of items on the freight bill/invoice/waybill does not equal the number of unique segments which specifically identify those items
RTE	Invalid Shipper's Route Code
	The shippers route code reported by the carrier is invalid
S	Missing or Unauthorized Transportation Mode/Method Code
SCA	Invalid SCAC
	The Standard Carrier Alpha Code (DE140) reported is invalid
SPL	Invalid SPLC Code
	The Standard Point Location Code (DE154) is invalid
T	Unauthorized Transaction Set Purpose Code
TYP	Invalid Damage Type Code
	The Damage Type Code (DE540) reported is invalid
U	Missing or Unauthorized Transaction Type Code
UNP	Invalid Unit Price
V	Missing or Unauthorized Action Code
	<i>This code is used in conjunction with the invalid or unauthorized code sent in BCT10 in Transaction Set 832.</i>
VIN	Invalid Vehicle Identification Number
	The reported Vehicle Identification Number (DE53) fails the check digit calculation

R TED02 3 Free Form Message O 1 AN 1/60
Free-form text

When TED01 contains code 024, TED02 must contain either application error code or free-form text description of the application error. When more than 60 characters are required to describe the error condition, the first 60 characters appear in this data element, and the remaining error description characters appear in NTE02. For example, TED01 contains code 010, TED02 contains "SUM of SKU cost extensions does not equal total invoice", and NTE02 contains "quantity."

Code Values:

- 101 Effective Date Too Early
- 102 Improper Placement of Labels
- 103 Invoice Number
- 104 Item Already Exists (Product/Service ID)
- 105 Item Marked for Delete (Product/Service ID)
- 106 Item Not Authorized For Buyer Assigned Vendor Number
- 107 Missing or Invalid Location
- 108 Location Received Not On Order
- 109 Negative Value
- 110 Missing Pack Level (Marking Identification is Missing)
- 111 Duplicate Purchase Order Number
- 112 Missing Product Description 1

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- 113 *Missing Product Description 2*
- 114 *Qualifier or Code Not Mapped To Application*
- 115 *Missing Qualifier or Code (For Application)*
- 116 *Retail Price Is Greater Than Suggested Retail Price*
- 117 *Sender Not Authorized to Submit Ship Notice For Buyer Assigned Ven #*
- 118 *Sender Not Authorized to Submit Ship Notice for Item(s)*
- 119 *Duplicate Shipment Identification Number*
- 120 *Ship To Location Not Consistent With Purchase Order Ship To*
- 121 *Duplicate SSCC*
- 122 *Invalid SSCC Range*
- 123 *Invalid SSCC Structure*
- 124 *Missing Tare Level (Marking Identification Is Missing)*
- 125 *Unscannable Labels*
- 126 *Incorrect Label Format*
- 127 *Improper Placement of Labels*
- 128 *Missing Labels on Shipping Container*
- 129 *Cost Change Not Accepted*
- 130 *UCC-12 Change not Allowed*
- 131 *Zero Value*
- 132 *Item Marked for Delete*
- 133 *Item Not Found on Purchase Order*
- 134 *Missing or Invalid Invoice Number*
- 135 *Duplicate Purchase Order Number*
- 136 *Receiving Location not on Order*
- 137 *Allowance Errors*
- 138 *Purchase Order Closed or Cancelled*
- 139 *Missing or Invalid Vendor Pack Quantity*
- 140 *Missing or Invalid Ship To Location*

TED07 724 Copy of Bad Data Element O 1 AN 1/99
This is a copy of the data element in error

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Segment: **NTE** Note/Special Instruction
Position: 0800
Loop: TED Optional (Recommended)
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.

Notes: ***This segment is only generated when an error description contains more than 60 characters of data. For example, if 95 characters are required to describe the error condition, the first 60 characters appear in TED02, and the remaining 35 characters are sent in NTE02.***

Data Element Summary

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

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Segment: RED Related Data
Position: 0820
Loop: TED Optional (Recommended)
Level: Detail
Usage: Optional
Max Use: 100
Purpose: To provide business data related to an item within a transaction to which a business application editing process has been applied, and an error condition has resulted

- Syntax Notes:**
- 1 At least one of RED02 or RED06 is required.
 - 2 Only one of RED02 or RED06 may be present.
 - 3 If any of RED03 RED05 or RED06 is present, then all are required.
 - 4 If RED04 is present, then RED03 is required.

- Semantic Notes:**
- 1 RED01 provides the related business data, whose nature is defined by the code in RED02 or RED06.
 - 2 RED02 is an X12-defined code identifying the specific type of related data in RED01.
 - 3 RED03 identifies the agency maintaining the code list identified in RED05.
 - 4 RED04 provides further qualification of the agency identified in RED03.
 - 5 RED05 identifies the code list containing the code indicated in RED06.
 - 6 RED06 is an industry-defined code identifying the specific type of related data in RED01.

- Comments:**
- 1 As an example of the use of the RED01 element, an application edit is applied to the Unit Price element within an Invoice (810) transaction set. The result of that edit indicates an invalid unit price. One piece of related business data would be the associated Product or Service Identification (data element #234). In this example, RED01 would be used to convey the associated Product or Service Identification.

Notes: *This segment is used to provide the receiver of the transaction additional information about the error condition specified in the associated TED segment. This segment is not used to specify the data in error, but provides a "pointer" or "clue" to the error condition.*

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	RED01	352	Description	M 1 AN 1/80
			A free-form description to clarify the related data elements and their content	
	RED02	1609	Related Data Identification Code	X 1 ID 2/3
			Code identifying the nature of data related to an application edit error condition	
		DT	Date of Transaction	
		IN	Invoice Number	
		LI	Location Identification	
		MA	Monetary Amount	
		MV	Measurement Value	
		PO	Purchase Order Number	
		PR	Pricing Specification	
		PS	Product or Service Identification	
		QY	Quantity	
		UP	Unit Price	

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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>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</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	M 1 AN 4/9