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Application advice (X12)

The Application Advice (EDI 824) transaction communicates the results of business-level validation for previously received EDI documents, indicating whether they were accepted, rejected, or required changes.



Contact your TraceLink Services representative for more information about integrating with this message.

- **Message Type:** MPC_APPLICATION_ADVICE
- **X12 Format:** APPLICATIONADVICE

Transform Names:

- B2B_EDIX12_824_ApplicationAdvice_IB_V1
- B2B_EDIX12_824_ApplicationAdvice_OB_V1

Guidelines

Input Element	Occurs	Length	Description	Example
ISA	1-1		Required. ISA interchange envelope.	
ISA01	1-1	2/2	Required. Qualifier for authorization control number in ISA02.	00
ISA02	1-1	10/10	Required. Information used for additional identification or authorization of the interchange sender or the data in the interchange/ 10 spaces a valid entry.	
ISA03	1-1	2/2	Required. Qualifier for security information in ISA04.	00
ISA04	1-1	10/10	Required. Identifies security information about the interchange sender or data.	

Input Element	Occurs	Length	Description	Example
IA05	1..1	0/2	<p>Required. Interchange sender partner ID qualifier.</p> <p>Valid values:</p> <ul style="list-style-type: none"> 01 - Duns (Dun & Bradstreet). 02 - Standard Carrier Alpha Code. 03 - Federal Maritime Commission. 04 - International Air Transport Association. 07 - Global Location Number (GLN). 08 - UCC EDI Communications ID (Comm ID). 09 - X.121 (CCITT). 10 - Department of Defense (DoD) Activity Address Code. 11 - Drug Enforcement Administration Identifier. 12 - Telephone Companies. 13 - Used for UCS Transmissions. Includes Area Code and Telephone Number of a Modem. 14 - Duns Plus Suffix. 15 - Petroleum Accountants Society of Canada Company Code. 16 - DNS Number With 4 Character Suffix. 17 - American Bankers Association (ABA) Transit Routing Number (Including Check Digit, 9 Digit). 18 - Association of American Railroads (AAR) Standard Distribution Code. 19 - EDI Council of Australia (EDICA) Communications ID Number (COMM ID). 20 - Health Industry Number (HIN). 21 - Integrated Postsecondary Education Data System. 22 - Federal Interagency Commission on Education, or FICE. 23 - National Center for Education Statistics Common Core of Data 12 Digit Number for Pre-K-Grade 12 Institutes. 24 - The College Board's Admission Testing Program 4 Digit Code of Postsecondary Institutes, or ATP. 25 - 4 Digit Code of Postsecondary Institutions. 26 - Statistics of Canada List of Postsecondary Institutions. 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 assigned by Health Care Financing Administration (HCFA). 30 - U.S. Federal Tax Identification Number. 31 - Jurisdiction Identification Number Plus 4 assigned by the International Association of Industrial Accident Boards and Commissions (IAIABC). 32 - U.S. Federal Employer Identification Number (FEIN). 33 - National Association of Insurance Commissioners Company Code (NAIC). 34 - Medicare Provider and Supplier Identification Number as assigned by Individual State Medicaid Agencies in conjunction with Health Care Financing Administration (HCFA). 35 - Statistics Canada Canadian College Student Information System Institution Codes. 36 - Statistics Canada University Student Information System Institution Codes. 37 - Society of Property Information Compilers and Analysts (SPIC). 38 - The College Board and ACT, Inc. 6 Digit Code List of Secondary Institutions. AM - Association Mexicana del Código de Productos (AMECOP) Communication ID. NM - National Retail Merchants Association (NRMA) - Assigned. SA - User Identification Number as assigned by the Safety and the Fitness Electronic Records (SAFER) System. SN - Standard Address Number. ZZ - Mutually Defined. 	97
IA06	1..1	15/15	<p>Required. Interchange sender identification mapping to fileSenderNumber with party type defined in ISAD5.</p> <p>Required. Interchange receiver partner ID qualifier.</p> <p>Valid values:</p> <ul style="list-style-type: none"> 01 - Duns (Dun & Bradstreet). 02 - Standard Carrier Alpha Code. 03 - Federal Maritime Commission. 04 - International Air Transport Association. 07 - Global Location Number (GLN). 08 - UCC EDI Communications ID (Comm ID). 09 - X.121 (CCITT). 10 - Department of Defense (DoD) Activity Address Code. 11 - Drug Enforcement Administration Identifier. 12 - Telephone Companies. 13 - Used for UCS Transmissions. Includes Area Code and Telephone Number of a Modem. 14 - Duns Plus Suffix. 15 - Petroleum Accountants Society of Canada Company Code. 16 - DNS Number With 4 Character Suffix. 17 - American Bankers Association (ABA) Transit Routing Number (Including Check Digit, 9 Digit). 18 - Association of American Railroads (AAR) Standard Distribution Code. 19 - EDI Council of Australia (EDICA) Communications ID Number (COMM ID). 20 - Health Industry Number (HIN). 21 - Integrated Postsecondary Education Data System. 22 - Federal Interagency Commission on Education, or FICE. 23 - National Center for Education Statistics Common Core of Data 12 Digit Number for Pre-K-Grade 12 Institutes. 24 - The College Board's Admission Testing Program 4 Digit Code of Postsecondary Institutes, or ATP. 25 - 4 Digit Code of Postsecondary Institutions. 26 - Statistics of Canada List of Postsecondary Institutions. 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 assigned by Health Care Financing Administration (HCFA). 30 - U.S. Federal Tax Identification Number. 31 - Jurisdiction Identification Number Plus 4 assigned by the International Association of Industrial Accident Boards and Commissions (IAIABC). 32 - U.S. Federal Employer Identification Number (FEIN). 33 - National Association of Insurance Commissioners Company Code (NAIC). 34 - Medicare Provider and Supplier Identification Number as assigned by Individual State Medicaid Agencies in conjunction with Health Care Financing Administration (HCFA). 35 - Statistics Canada Canadian College Student Information System Institution Codes. 36 - Statistics Canada University Student Information System Institution Codes. 37 - Society of Property Information Compilers and Analysts (SPIC). 38 - The College Board and ACT, Inc. 6 Digit Code List of Secondary Institutions. AM - Association Mexicana del Código de Productos (AMECOP) Communication ID. NM - National Retail Merchants Association (NRMA) - Assigned. SA - User Identification Number as assigned by the Safety and the Fitness Electronic Records (SAFER) System. SN - Standard Address Number. ZZ - Mutually Defined. 	777776067344
IA07	1..1	0/2	<p>Required. Interchange sender identification mapping to fileSenderNumber with party type defined in ISAD5.</p> <p>Required. Interchange receiver partner ID qualifier.</p> <p>Valid values:</p> <ul style="list-style-type: none"> 01 - Duns (Dun & Bradstreet). 02 - Standard Carrier Alpha Code. 03 - Federal Maritime Commission. 04 - International Air Transport Association. 07 - Global Location Number (GLN). 08 - UCC EDI Communications ID (Comm ID). 09 - X.121 (CCITT). 10 - Department of Defense (DoD) Activity Address Code. 11 - Drug Enforcement Administration Identifier. 12 - Telephone Companies. 13 - Used for UCS Transmissions. Includes Area Code and Telephone Number of a Modem. 14 - Duns Plus Suffix. 15 - Petroleum Accountants Society of Canada Company Code. 16 - DNS Number With 4 Character Suffix. 17 - American Bankers Association (ABA) Transit Routing Number (Including Check Digit, 9 Digit). 18 - Association of American Railroads (AAR) Standard Distribution Code. 19 - EDI Council of Australia (EDICA) Communications ID Number (COMM ID). 20 - Health Industry Number (HIN). 21 - Integrated Postsecondary Education Data System. 22 - Federal Interagency Commission on Education, or FICE. 23 - National Center for Education Statistics Common Core of Data 12 Digit Number for Pre-K-Grade 12 Institutes. 24 - The College Board's Admission Testing Program 4 Digit Code of Postsecondary Institutes, or ATP. 25 - 4 Digit Code of Postsecondary Institutions. 26 - Statistics of Canada List of Postsecondary Institutions. 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 assigned by Health Care Financing Administration (HCFA). 30 - U.S. Federal Tax Identification Number. 31 - Jurisdiction Identification Number Plus 4 assigned by the International Association of Industrial Accident Boards and Commissions (IAIABC). 32 - U.S. Federal Employer Identification Number (FEIN). 33 - National Association of Insurance Commissioners Company Code (NAIC). 34 - Medicare Provider and Supplier Identification Number as assigned by Individual State Medicaid Agencies in conjunction with Health Care Financing Administration (HCFA). 35 - Statistics Canada Canadian College Student Information System Institution Codes. 36 - Statistics Canada University Student Information System Institution Codes. 37 - Society of Property Information Compilers and Analysts (SPIC). 38 - The College Board and ACT, Inc. 6 Digit Code List of Secondary Institutions. AM - Association Mexicana del Código de Productos (AMECOP) Communication ID. NM - National Retail Merchants Association (NRMA) - Assigned. SA - User Identification Number as assigned by the Safety and the Fitness Electronic Records (SAFER) System. SN - Standard Address Number. ZZ - Mutually Defined. 	01
IA08	1..1	15/15	<p>Required. EDI receiver ID mapping to file control header and to ServiceURL.</p>	888888404358877
IA09	1..1	8/8	<p>Required. Interchange date in 8 char YYYYMMDD format.</p>	231020
IA10	1..1	4/4	<p>Required. Interchange time in 4 char HHMM format.</p> <p>Required. This value is dependent on X12 version.</p>	1020
IA11	1..1	0/1	<p>Version 4012 and earlier, this is the interchange control standards identifier. Valid value is U.</p> <p>Version 4020 and later, this is the repetition separator, a delimiter that separates repeated occurrences of a data element or composite data structure, which must be different than the data element separator, component separator, and segment terminator.*</p>	^
IA12	1..1	9/9	<p>Required. Interchange control version number. This could be any X12 version.</p>	00501
IA13	1..1	0/1	<p>Required. Interchange Control Number mapping to file control header.</p> <p>Required. Interchange level acknowledgment requested.</p> <p>Valid values:</p> <ul style="list-style-type: none"> 0 - No acknowledgment requested 1 - Interchange level acknowledgment requested 	000000000619827
IA14	1..1	0/1	<p>Required. Interchange level acknowledgment requested.</p> <p>Valid values:</p> <ul style="list-style-type: none"> 0 - No acknowledgment requested 1 - Interchange level acknowledgment requested 	0
IA15	1..1	0/1	<p>Required. Indicates whether the interchange is for production, test, or information purposes.</p> <p>Valid values:</p> <ul style="list-style-type: none"> I - Information P - Production data T - Test data 	P
IA16	1..1	0/1	<p>Required. Component element separator. Delimiter that separates data elements within a composite data structure. Must be different than the data element separator and segment terminator.</p>	^
GS	1..*	0/2	<p>Required. GS group functional message. Child of ISA. Only one GS group expected per interchange.</p>	50
GS01	1..1	0/2	<p>Required. GS group function code.</p> <p>Valid values: 50 - Shipping instruction information</p>	50
GS02	1..1	0/15	<p>Required. Application Sender's Code.</p>	2222224043588
GS03	1..1	0/15	<p>Required. Application Receiver's Code.</p>	TRACELINK
GS04	1..1	8/8	<p>Required. Current date stamp in 8 char X12 date format YYYYMMDD.</p>	20241020
GS05	1..1	4/8	<p>Required. Current time stamp in 8 char X12 time format HHMMSS.</p>	1020
GS06	1..1	0/9	<p>Required. Group Control ID Number.</p> <p>Required. Responsible Agency Code.</p> <p>Valid values:</p> <ul style="list-style-type: none"> T - Transportation Data Coordinating Committee (TDCC) K - Accredited Standards Committee X12 	619827
GS07	1..1	0/2	<p>Required. Responsible Agency Code.</p> <p>Valid values:</p> <ul style="list-style-type: none"> T - Transportation Data Coordinating Committee (TDCC) K - Accredited Standards Committee X12 	X
GS08	1..1	0/12	<p>Required. X12 message version code. This could be any X12 version.</p>	00010
ST	1..*	0/2	<p>Required. ST transaction set envelope. Child of GS group. Only one ST transaction expected.</p>	00010
ST01	1..1	0/3	<p>Required. Transaction set identifier code.</p>	024
ST02	1..1	4/9	<p>Required. Transaction set ID number. Counter for each ST segment beginning with 1.</p>	0001
BE01	1..1	0/2	<p>Required. BE01 Beginning Segment.</p>	21
BE02	1..1	0/2	<p>Required. Transaction Set Purpose Code identifying purpose of transaction set. Valid value is 11 - RESPONSE</p>	21
BE03	1..1	0/50	<p>Required. Transaction unique reference identifier defined for a particular transaction set. The sender's internal number used to identify this transaction set within the sender's application system.</p>	8475
BE04	1..1	0/8	<p>Required. Date the original transaction was generated in the sender's business application system, in X12 date format YYYYMMDD. This date is analogous to the date on the paper document, the date it was created.</p>	20241020
BE05	0..1	4/8	<p>Transaction time expressed in 24 hour clock as follows: HHMM, or HHMMSS, or HHMMSSD.</p>	231844
N1	0..*	0..*	<p>Required. N1 segment loop at header for party address and reference information.</p>	231844
N1	1..1	1..1	<p>Required. Party Identification.</p> <p>Required. Entity qualifier for the Sender or Receiver party identifier and address information.</p> <p>Valid values:</p> <ul style="list-style-type: none"> AD - Account of party BA - Bank BB - Purchasing group, buying group BS - Billto and Shipto combined BT - Billto party BV - Customer, Buyer, sold to party CA - Carrier (transport operator) CC - Consignor CN - Consignee CS - Consigner location CQ - Corporate office CC - Contract holder or contractor DA - Delivery address / party DB - Distributor branch location DS - Distributor party or location DT - Destination terminal D1 - Truck driver (no EDI qualifier, context-based) EA - Exporter FR - Freight forwarder HA - Diener of goods FW - Freight forwarder LI - Head office location MA - Final customer MF - Manufacturer MP - Manufacturer NR - Notify party N1 - First notify party N2 - Second notify party N3 - Third notify party OS - Ordered by party OE - Booking office OT - Origin island terminal PE - Party that will receive invoice, the payee PI - Party to receive invoice for goods or services PR - Person or organization that pays the invoice PL - Pick up location QA - Retail or institutional pharmacy dispenser. Also used for contracted third party pharmacy supporting a 304B covered entity. RB - Origin intermodal ramp RI - The party that receives the document containing weight information from the scale. RD - Destination intermodal ramp RE - Reporting party/location / WMS provider (Danone) SI - Shipper location SI - Business party that issues the shipping instruction SN - Store number with location info for store SH - Shipper ST - Ship to location SI - Supplier TO - Message receiver VS - Vendor (bill of seller) VI - Contact person information WH - Warehouse YE - Third party business or location information. Also used to identify third party logistics service provider. ZP - Public health service facility. 304B entity that sales ownership of a product in the original sale Z1 - Contracted third party service provider. Also used for third-party contracted pharmacy supporting a 304B covered entity. Z1 - Partner or business entity group member the transaction 	SU
N102	0..1	1/60	<p>Name Note: Either N102 or N104 is required.</p> <p>Identifier code qualifier.</p> <p>Valid values:</p> <ul style="list-style-type: none"> I - DUNS S - SCAC R - DUNS-44 1 - Drug Enforcement Agency registration number 21 - Health Industry Number 91 - Company identifier 92 - Company location identifier UL - Global Location Number PI - US_340B_ID PP - Pharmacy Processor Number 	Pharma customer
N103	0..1	0/2	<p>Party identifier as qualified by N103 mapping to company identifier value</p>	333331013655
N2	0..2	1..1	<p>Required. Additional name 1. Child of Party N1 segment. We do support one iteration of N2.</p>	Pharma name2
N201	1..1	1/60	<p>Required. Additional name 1.</p>	Pharma name2
N202	1..1	1/60	<p>Required. Additional name 2.</p>	Pharma name2
N3	0..2	1..1	<p>Required. N3 Address: Child of Party N1 segment.</p>	555 Neelan Road
N301	1..1	1/55	<p>Required. Street address 1.</p>	Route 123
N302	0..1	1/55	<p>Required. Street address 2.</p>	

Input Element	Occurs	Length	Description	Example
NA	0..1		NA Geographic Location. Child of Party /N segment.	
NA01	0..1	2/30	City name.	Sacramento
NA02	0..1	2/2	State or province code. Code (Standard state/province) as defined by appropriate government agency.	CA
NA03	0..1	3/13	Postal code. Code defining international postal zone code excluding punctuation and blanks.	95833
NA04	0..1	2/3	Country code.	US
NA05	0..1	2/2	Type of location.	CA
NA06	0..1	2/30	Specific location.	95833
NA07	0..1	2/3	Country subdivision.	US
REF	0..12		Reference segment for mapping to the transaction references.	

Input Element	Occurs	Length	Required: Reference identifier qualifier. Code identifies the type of ID number sent in REF02. Valid values	Description	Example
			0X - Account type/category TD - Reason for change recorded for order CT - Contract number CE - Class of contract code CB - Corrected contract number CZ - Mutually defined transaction identifier DH - US Drug Enforcement agency identifier DP - Department identifier DI - Distributor Invoice Number L9 - Division identifier IM - Group purchasing organization member identifier HE - US Health Industry Number IA - Internal vendor Number L1 - Letters or notes LI - Line item number LU - GS1-US Global Location Number (GLN) LT - Lot or batch number MR - Merchandise type code ZU - Payer identification number for 340B programs P1 - Previous contract number P2 - Previous DEA identifier P3 - Previous HIN identifier P7 - Product line number PD - Promotion deal number PK - Proof Of Delivery RX - Resubmit Number XB - Secondary class identifier SE - Serial Number ST - store number BX - Transaction Category VR - Internal vendor identifier IT - Internal customer number BV - Credit reference number, is a Credit memo number issued on return of original invoice number SB - Sales Region Number RY - Rebate reference number IX - Item number PE - Plant number BF - Functional category KL - Contract reference number AL - Agent contract number AP - Adjustment control number FN - Freight forwarder reference identifier OC - Ocean container number BN - Booking number EQ - Equipment number PB - Pickup reference number L3 - Facility ID Number AF - Carrier-assigned Shipper Number Sales department number L4 - Master account number GT - Goods and service tax registration number SE - Shipper's Identifying Number for Shipment AM - Air way bill Number ZE - Tracking Number RA - Repetitive Shipment Number RZ - Returned goods authorization Number OY - Express Service Code E7 - Service Bulletin Number K0 - Cross Reference number ZY - Receiver Assigned Drop Zone RU - Route Number DT - Sales Allowance Number RF - Referral Number JH - Other tag number L1 - Account Number CR - Customer reference Number ACT - Accounting Code AD3 - Processor Identification Number AD7 - Full Denial Reason Identifier OD - Original Return Request Reference Number AN - Special Payment Reference Number AHC - Air Handling Code ACE - Status ACD - Class Code DQ - Delivery Quote Number E1V - Event Identification PRT - Product Type PKC - Process Handling Code VXD - Service Area Code NB - Letter of credit Number EP - Export License or permit number VK - VAT Registration identifier SCA - Standard Carrier Alpha Code (SCAC) DB - Company/place registration number BA - Consignee reference ABS - Vessel Name SZ - Specification Revision QN - Stop Sequence Number PV - Payment Category CC - Collect Leads or Contract Co-op Number TN - Interchange Train Identification HR - Horsepower AF - Airlines Flight Identification Number L3 - Lender Case Number AD - Appointment Number AD - Carrier Assigned Code MTR - Master Tracking Number HB - House bill of lading number RZ - Return goods authorization E7 - Service bulletin number AAL - Booking agent reference BS - Split booking reference number ZH - Carrier assigned reference / booking number ED - Customs export declaration reference Number LO - Load planning reference number TS - Tariff reference number D3 - Delivery ticket number as reference from shippers / carrier / consignees system HS - Harmonized code system (Canada) RF - Export reference number (not a licence number) CO - Customs house broker license number TG - Transportation control number VA - Vessel agent number CEC - Enterprise Code for Consignee (custom manifest usage) FE - File Identifier NEC - Enterprise Code for Notify Party (custom manifest usage) SEC - Enterprise Code for Shipper (custom manifest usage)		
REF01	1..1	2/3			RF

Input Element	Occurs	Length	Description	Example
REF02	0..1	1/60	Reference identifier value	
REF03	0..1	1/45	Description defined by qualifier code in REF02.	122436
PER	0..3	-	PER segment explains about contact information for party business or location.	
PER01	1..1	2/2	Required. Contact type. Valid values: IC - Information contact FC - Forwarder contact RP - Responsible contact	IC
PER02	0..1	1/60	Contact name.	Gracie Smith
PER03	0..1	2/2	Communication qualifier Note: If PER03 or PER04 present either one is required. We do support either TE or EM as PER03 qualifiers.	TE
PER04	0..1	1/2048	Contact phone number.	997654
PER05	0..1	2/2	Communication qualifier Note: If PER03 or PER05 present either one is required. We do support either TE or EM as PER05 qualifiers.	EM
PER06	0..1	1/2048	Contact email address.	smith@gmail.com
OTI Loop	1..*	-	Required. Line item loop start for Shipping instruction, referring a line number in a transaction set.	
OTI	1..1	-	Required. Original transaction identification.	
OT101	1..1	2/2	Required. Application acknowledgment code. Identifies processing status of the original transaction in the system that sent the B24. Valid values: + BA - Batch Accept + BC - Batch Accept with Data Content Change + BE - Batch Accept with Error + BP - Batch Partial Accept/Reject + BR - Batch Reject + GA - Functional Group Accept + GE - Functional Group Accept with Data Content Change + GE - Functional Group Accept with Error + GH - Functional Group on Hold. All transaction sets within a specific functional group are on hold pending further investigation to either accept or reject the functional group + GP - Functional Group Partial Accept/Reject + GR - Functional Group Reject + IA - Item Accept + IE - 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 + TE - Transaction Set Accept with Error + TH - Transaction Set on Hold. Transaction set on hold pending further investigation to either accept or reject the transaction set + TP - Transaction Set Partial Accept/Reject + TR - Transaction Set Reject	TA
OT102	1..1	2/3	Required. Original transaction reference number qualifier. Valid values: + 10 - Consolidated Shipment Number + 14 - Master account + 1X - Credit debit adjustment identifier type + 21 - Tracking number + 72 - Schedule reference identifier + 92 - Document change Tracking number + A3 - Assignment + AG - Agent's shipment identifier + AH - Chargeback adjustment memo + BAF - Receipt number + BC - Customer contract number + BL - Government Bill of Lading + BH - Bill of lading + BT - Batch + CB - Combined Shipment + CD - Credit advice + CG - Consignee order number + CK - Check number + CM - Credit memo + CN - Carrier reference + CO - Customer order number. Identifies the number assigned by the customer to their order. + CR - Customer reference identifier + CT - Contract number + D1 - US Drug Enforcement Agency (DEA) order number + DO - Document number + DEA - DEA certificate identifier + DE - DEA identifier number + DI - Distributor invoice number + DL - Debit memo + DO - Delivery + EP - Electronic payment + EK - Third party reference identifier + LB - Customs regulatory document identifier for shipments transiting under bond + IK - Invoice party reference identifier + IN - Consignee's Invoice Number + LV - Seller's invoice + K9 - Customer inquiry number + MA - Ship notice or manifest number for shipment + MB - Master bill of lading + DI - Original invoice + DO - Order number + P2 - Previous DEA identifier number + PK - Packing list number + PO - Purchase order number + PP - Purchase order revision number + PR - Price quote number + PT - Purchase Option Agreement + Q1 - Supplier quotation number + DO - DEA replacement identifier number + OP - Original purchase order number + RE - Release document number + RZ - Return authorization transaction identifier type + S1 - Shipment number + SN - Seal number + SO - Shipper's Order (Invoice Number) + TB - Truckers Bill of Lading + TN - Transaction reference number + VAT - VAT Number + VC - Supplier contract number + VN - Supplier order number + VR - Vendor identifier number + MI - Master Reference (Link) Number + MO - Work order (production order) number	TN
OT103	1..1	1/50	Required. Reference identification defined for a particular Transaction Set. Identifies the transaction within the business application, such as the document number. If reporting errors on an B56, this should reference the ASN ship notification document number.	0001
OT104	0..1	2/15	Application Sender's Code. Identifies the sender (GS02 sender) of the original transaction that the B24 is reporting on.	022442
OT105	0..1	2/15	Application Receiver's Code. Identifies the receiver (GS03 receiver) of the original transaction that the B24 is reporting on.	042463
OT106	0..1	8/8	Transaction date in YYYYMMDD format from the GS04 date field in the original transaction that the B24 is reporting on.	20160129
OT107	0..1	4/8	Transaction time in 24 hour HHMM or HHMMSS or HHMMSSSS time format from the GS05 time field in the original transaction that the B24 is reporting on.	222344
OT108	0..1	1/9	Group Control Number from the GS06 field of the original B56 ASN (or other) transaction that the B24 is reporting on.	
OT109	0..1	4/9	Transaction Set Control Number from the ST02 field of the original B56 ASN (or other) transaction that the B24 is reporting on.	
OT110	0..1	3/3	X12 transaction set code from the ST01 field of the original B56 ASN (or other) transaction that the B24 is reporting on. Valid values can be any X12 transaction set code.	
REF	0..*	-	Reference segment for mapping to the transaction identifiers, list of documents and transactions referencing at the item level of the message. That are relate to original transaction.	

Input Element	Occurs	Length	Description	Example
			Required: Reference identifier qualifier. Code identifies the type of ID number sent in REF02. Valid values: * 10 - Consolidated Shipment Number * 14 - Master account * 1X - Credit debit adjustment identifier type * 21 - Tracking number * 72 - Schedule reference identifier * 92 - Document change Tracking number * A3 - Assignment * AG - Agent's shipment identifier * AH - Chargeback adjustment memo * BAF - Receipt number * BC - Customer contract number * BL - Government Bill of Lading * BH - Bill of lading * BT - Batch * CB - Combined Shipment * CD - Credit advice * CE - Consignee order number * CK - Check number * CH - Credit memo * CN - Carrier reference * CO - Customer order number. Identifies the number assigned by the customer to their order. * CR - Customer reference identifier * CT - Contract number * D1 - US Drug Enforcement Agency (DEA) order number * DD - Document number * DEA - DEA certificate identifier * DH - DEA identifier number * DI - Distributor invoice number * DL - Debit memo * DO - Delivery * EK - Electronic payment * GK - Third party reference identifier * IS - Customs regulatory document identifier for shipments transiting under bond * IX - Invoice party reference identifier * IN - Consignee's invoice number * IV - Seller's invoice * K9 - Customer inquiry number * MA - Ship notice or manifest number for shipment * MB - Master bill of lading * DI - Original invoice * DO - Order number * P2 - Previous DEA identifier number * PK - Packing list number * PO - Purchase order number * PP - Purchase order revision number * PR - Price quote number * PT - Purchase Option Agreement * Q1 - Supplier quotation number * QD - DEA replacement identifier number * OP - Original purchase order number * RE - Release document number * RZ - Return authorization transaction identifier type * S1 - Shipment number * SN - Seal number * SO - Shipper's Order (Invoice Number) * TB - Truckers Bill of Lading * TN - Transaction reference number * VAT - VAT Number * VC - Supplier contract number * VN - Supplier order number * VR - Vendor identifier number * MH - Master Reference (Link) Number * WD - Work order (production order) number	
REF01	1..1	2/3		8M
REF02	0..1	180	Reference identifier value	123456
DTX	0..*		Required: Date type related to shipment events at port, in date format YYYYMMDD and time format (Dsec/ X12) HHMMSS. Valid values: * 002 - Delivery requested by date * 003 - Invoice date * 004 - Purchase order date * 005 - Date sold * 007 - Effective date * 008 - Purchase order received date * 009 - Processing date * 010 - Shipment requested by date * 011 - Date shipped * 015 - Promotion start date * 016 - Promotion end date * 017 - Estimated delivery date * 018 - Product availability date * 020 - Check date * 023 - Promotion order start date * 024 - Promotion order end date * 025 - Promotion ship start date * 026 - Promotion ship end date * 035 - Date of delivery document, ASN * 036 - Expiration date * 037 - Not before shipment date * 038 - Not later shipment date * 040 - Status (After and Including) * 041 - Status (Prior and Including) * 050 - Date goods receipt posted (received into available inventory) * 051 - Cancel by date * 057 - Current scheduled delivery date * 058 - Scheduled shipment date * 059 - Date of promised delivery * 070 - Delivery schedule date * 074 - Requested delivery date * 079 - Promised for shipment date * 080 - Report start date * 081 - Report end date * 084 - Manufacturing date * 087 - Transaction date * 102 - Date goods issue posted * 113 - Account receivable date * 146 - Closing date * 160 - Message date * 168 - Release date * 184 - Inventory update date * 188 - Credit advice date * 189 - Debit advice date * 196 - Date Start * 197 - End date * 208 - Lot expiration date * 311 - Latest receiving / cutoff date * 324 - Returned date * 372 - Actual arrival date * 472 - Date services rendered * 512 - Warranty date * 514 - Transfer date * AG - Due date * B14 - Payment due date * 922 - Date of original receipt * 928 - Order date * 964 - Billing date * 999 - Document date	
DTM01	1..1	3/3		999
DTM02	0..1	8/8	Date defined by referenced date type in date format YYYYMMDD. Transform will pass thru whatever it finds.	20241215
DTM03	0..1	4/6	Time expressed in 24-hour clock time as follows.	
DTM04	0..1	3/2	Time zone for referenced dates.	ES
			Required: Describes the date format, time format, or date and time period format type. Valid values: * D6 - YYYYMMDD * D8 - CCYYMMDD * DD - DAYOFMONTH * DT - CCYYMMDDHHMM * PD - MMDD * T - HMDYY * TN - HHMM * TQ - HMYT * TS - HHMMSS * TT - MMDDYY * YN - YYYY	
DTM05	0..1	2/3		DT
AMT	0..*		Monetary amount. Original transaction amount for which 824 is being generated. Notes: which will be used to uniquely identify original transaction in sender system.	

Input Element	Occurs	Length	Description	Example
AMT01	1..1	1/3	<p>Required: Referenced transaction amount type.</p> <p>Valid values:</p> <ul style="list-style-type: none"> + 1 - LINEITEMTOTAL + 2 - TOTALDISCOUNT + 3 - TOTALDISCOUNT + A - ADJUSTEDCHARGEBACK + AD - ADJUSTMENT + BAP - TOTALDUE + CC - CHARGEBACKCLAIM + CE - SUMMARY + CH - CHANGE + CN - CLAIMANTREQUESTEDTOTAL + CO - NETCLAIM + F7 - SALES TAX + MA - NETADJUSTMENT + PB - TOTAL + S - SUBMITTEDCHARGEBACK + T - TAX + TK - CONTRACT + TP - TOTALPAYMENT + TS - TOTALSALES + TT - TOTALTRANSACTION + Z2 - ITEMDISCREPANCYUNITS 	TOT
AMT02	0..1	1/3	<p>Required: Monetary amount.</p> <p>Credit or debit flag code indicating whether the amount is a credit or a debit.</p> <p>Valid values:</p> <ul style="list-style-type: none"> + Credit - Debit 	275.36
AMT03	0..1	1/3	<p>Required: Monetary amount.</p> <p>Credit or debit flag code indicating whether the amount is a credit or a debit.</p> <p>Valid values:</p> <ul style="list-style-type: none"> + Credit - Debit 	0
QTY	0..*		<p>Required: Type of quantity recorded. Most likely it will be Total.</p> <p>Valid values:</p> <ul style="list-style-type: none"> + B1 - Discrete quantity + B3 - Cumulative quantity + B5 - Quantity in hold status + B7 - Rejected quantity + L1 - Outstanding quantity + L7 - Quantity on hand for sale + 20 - Unusable quantity + 21 - Short shipped quantity + 22 - Quantity Sold + 30 - Shipped quantity + 41 - Number of batches + 45 - Order quantity + 47 - Minimum quantity per order + 63 - Quantity on order + 75 - Returned quantity + B1 - Quantity of paid shipment + B3 - Submitted Quantity Sold + B4 - Submitted Quantity Returned + B7 - Received quantity + 123 - Surplus quantity above order or agreement + A1 - Daily Adjustments + 75 - Replaced quantity + HB - Quantity allocated + B1 - Replenishment quantity + QV - Delivery, Gross, Hold + QW - Quantity withdrawn + QD - Quantity delivered + K4 - Estimate quantity + X2 - Gross quantity + HW - Net quantity + QH - Quantity on hold for quality + H5 - Released quantity 	
QTY01	1..1	3/2	<p>Required: Quantity of product.</p> <p>Valid values:</p> <ul style="list-style-type: none"> + B1 - Discrete quantity + B3 - Cumulative quantity + B5 - Quantity in hold status + B7 - Rejected quantity + L1 - Outstanding quantity + L7 - Quantity on hand for sale + 20 - Unusable quantity + 21 - Short shipped quantity + 22 - Quantity Sold + 30 - Shipped quantity + 41 - Number of batches + 45 - Order quantity + 47 - Minimum quantity per order + 63 - Quantity on order + 75 - Returned quantity + B1 - Quantity of paid shipment + B3 - Submitted Quantity Sold + B4 - Submitted Quantity Returned + B7 - Received quantity + 123 - Surplus quantity above order or agreement + A1 - Daily Adjustments + 75 - Replaced quantity + HB - Quantity allocated + B1 - Replenishment quantity + QV - Delivery, Gross, Hold + QW - Quantity withdrawn + QD - Quantity delivered + K4 - Estimate quantity + X2 - Gross quantity + HW - Net quantity + QH - Quantity on hold for quality + H5 - Released quantity 	70
QTY02	0..1	1/3	<p>Required: Quantity of product.</p> <p>Valid values:</p> <ul style="list-style-type: none"> + B1 - Discrete quantity + B3 - Cumulative quantity + B5 - Quantity in hold status + B7 - Rejected quantity + L1 - Outstanding quantity + L7 - Quantity on hand for sale + 20 - Unusable quantity + 21 - Short shipped quantity + 22 - Quantity Sold + 30 - Shipped quantity + 41 - Number of batches + 45 - Order quantity + 47 - Minimum quantity per order + 63 - Quantity on order + 75 - Returned quantity + B1 - Quantity of paid shipment + B3 - Submitted Quantity Sold + B4 - Submitted Quantity Returned + B7 - Received quantity + 123 - Surplus quantity above order or agreement + A1 - Daily Adjustments + 75 - Replaced quantity + HB - Quantity allocated + B1 - Replenishment quantity + QV - Delivery, Gross, Hold + QW - Quantity withdrawn + QD - Quantity delivered + K4 - Estimate quantity + X2 - Gross quantity + HW - Net quantity + QH - Quantity on hold for quality + H5 - Released quantity 	23.00
QTY03.1	1..1	3/2	<p>Required: Unit of measure used for pricing.</p> <p>Valid values:</p> <ul style="list-style-type: none"> + B1 - Discrete quantity + B3 - Cumulative quantity + B5 - Quantity in hold status + B7 - Rejected quantity + L1 - Outstanding quantity + L7 - Quantity on hand for sale + 20 - Unusable quantity + 21 - Short shipped quantity + 22 - Quantity Sold + 30 - Shipped quantity + 41 - Number of batches + 45 - Order quantity + 47 - Minimum quantity per order + 63 - Quantity on order + 75 - Returned quantity + B1 - Quantity of paid shipment + B3 - Submitted Quantity Sold + B4 - Submitted Quantity Returned + B7 - Received quantity + 123 - Surplus quantity above order or agreement + A1 - Daily Adjustments + 75 - Replaced quantity + HB - Quantity allocated + B1 - Replenishment quantity + QV - Delivery, Gross, Hold + QW - Quantity withdrawn + QD - Quantity delivered + K4 - Estimate quantity + X2 - Gross quantity + HW - Net quantity + QH - Quantity on hold for quality + H5 - Released quantity 	UN
TED Loop	0..*		<p>Technical error and business error details.</p>	
TED	0..1		<p>Technical Error Description segment. Identifies the error in the original B2B ASN being reported on. Can also identify the segment and/or data element where the error occurred in the original transaction. Child of OTI loop.</p>	

Input Element	Occurs	Length	Description	Example
			Required. Application error condition code describing the error condition in the original transaction. Valid values <ul style="list-style-type: none"> 000 - Route Error 001 - Duplicate 007 - Missing Data 009 - Invalid Date 010 - Total Out of Balance. The reason for the application error condition cannot be described using any other code on the standard code list 026 - Customer Identification Number is Invalid 029 - Customer Identification Number is Missing 036 - Invalid Serial Number 103 - Effective Date Too Early 102 - Improper Placement of Labels 104 - Item Missing Facets 105 - Item Marked For Delete 107 - Missing or Invalid Location 108 - Location Received Not On Order 110 - Missing Marking Identification at Pack Level 111 - Duplicate Purchase Order Number 113 - Duplicate Shipment Identification Number 120 - Ship-To Location Not Consistent With Purchase Order Ship-To 121 - Duplicate SSCC (formerly known as Serial Shipping Container Code) 122 - Invalid SSCC (formerly known as Serial Shipping Container Code) Range 124 - Missing Marking Identification at Tare Level 126 - Incorrect Label Format 128 - Missing Labels on Shipping Container 133 - Item Not Found On Purchase Order 139 - Missing or Invalid Vendor Pack Quantity 140 - Missing or Invalid Ship-To Location 141 - Purchase Order Cancelled 012 - Missing Transaction Reference or Trace Number 015 - Duplicate Batch 017 - Duplicate Trace Number 018 - Missing Control Totals 019 - Control Totals Amount Error 020 - Control Totals Count Error B - Missing or Invalid Physical Inventory Code C - Missing or Invalid Consignor DBL - Duplicate Bill of Lading Number. Carrier has reused a shippers authorization number assigned to another shipment DD1 - Departure Date Invalid. The move/leave date precedes the authorized date DDC - Duplicate Railcar Departure. The railcar reported has a conflicting previous departure on the same date DTF - 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. E - Missing or Invalid Material Condition Code HMS - Quantity of Handling Units Shipped Greater Than the Quantity Specified HML - Quantity of Handling Units Shipped Less Than the Quantity Specified 108 - Invalid Department Number 109 - Invalid Identification Code 110 - Invalid Railcar Type. The Equipment Description Code (DE40) reported is invalid. 11C - Incomplete Transaction. Optional Element(s) required by the application are missing. 101 - Invalid Quantity 102 - Invalid Weight RA - Missing or Invalid Store Number HB - Missing or Invalid Purchase Order Number HBL - 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 Department Number ME - Missing or Invalid Internal Vendor Number MI - Missing or Invalid I.P.C. Code MM - Missing or Invalid DUNS Number MS - Missing or Invalid SCAC MID - Missing Identification Code MJ - Missing or Invalid Terms MK - Missing or Invalid Ship Date Location ML - Missing or Invalid Sell to Location MM - Missing or Invalid Bill to Location MT - Missing or Invalid Unit Code MT - Missing Quantity MS - Missing GTIN (Global Trade Item Number) MS - Invalid GTIN (Global Trade Item Number) MT - Missing GTIN (Global Location Number) MJ - Invalid GLN (Global Location Number) MI - Missing Weight N - Missing or Invalid Payer Identification NAU - Not Authorized. The move/leave reported by the carrier has not been authorized by the shipper. NLC - No Clearance Authorization. The vessel clearance reported by the carrier has not been authorized by the shipper. NCR - No Clearance Reported. The freight bill submitted by the carrier precedes the vessel clearance. NLF - Invalid Status Location. The location reported with the Status Code (DE109) does not match any move/leave locations authorized by the shipper. NRA - No Railcar Arrival. A subsequent shipper authorized move/leave has been reported prior to reported arrival of a railcar. NRS - Product is lost in the Receiver's System D - Missing or Invalid Issuer Identification OTR - OTHER P - Missing or Invalid Item Quantity PO1 - Purchase Order Number Invalid O - 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. RTF - Invalid Shipper's Route Code. The shippers route code reported by the carrier is invalid. S - Missing or Unauthorized Transaction Made/Method Code SCA - Invalid SCAC. The Standard Carrier Alpha Code (DE140) reported is invalid. D - Missing or Unauthorized Transaction Type Code UNP - Invalid Unit Price W - Outside Ship Window ZZF - Invalid Defined 	024
TED01	1..1	1/3		
TED02	0..1	1/60	Free-form Message. Short description of the error for the error code used in TED01, and in conjunction with the long description listed in the NTE02.	Item Status (Inactive ITEM = 000586765 VENDQR = 67345205
TED03	0..1	3/3	Segment ID Code. Identifies segment in original transaction that triggered an error.	875
TED04	0..1	0/10	Segment Position in Transaction Set. The numerical count position of this data segment from the start of the transaction set; the transaction set header is count position 1.	3
TED05	0..1	1	IT TED05 requires TED05.1 as a reference	
TED05.1	1..1	0/2	Required. Position in Segment. Code indicating the relative position of the error data element within a segment, count beginning with 1 for position immediately after the segment ID. Also indicates: 1. Relative position of a repeating structure in error, beginning with 1 for the position immediately after the preceding element separator. 2. 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.	3
TED05.2	0..1	0/2	Component Data Element Position in Composite.	33
TED05.3	0..1	0/4	Repeating Data Element Position.	213
TED07	0..1	1/99	Copy of the bad data element. Data from the data element that is in error.	000586765
NTE	0..100		NTE Note/Special Instruction loop. Child of TED.	
NTE01	0..1	3/3	Non-Reference Callout	
NTE02	1..1	1/60	Required. Description. A free-form description to clarify related data elements and their content. Used as the long description for the error code in TED01, and in conjunction with the short description in TED03.	Item Status (Inactive ITEM = 000586765 VENDQR = 67345205
RED	0..100		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.	
RED01	1..1	1/60	Required. Represents the actual business value or Error descriptive information, being referenced or cited in connection with a validation message or application result. This value indicates which specific field or transaction content is associated with the reported condition.	NA
RED02	0..1	1/3	Identifies the nature or classification of the business data referenced due to a validation or application edit result. The value corresponds to standardized codes (e.g., PO Number, Unit Price, GTIN, Quantity). Only one code is allowed and at least one must be present when reporting referenced business data.	AD
RED03	0..1	2/2	Agency Qualifier Code.	84
RED04	0..1	1/3	Code Unit Qualifier Code.	8F
RED06	0..1	1/99	Industry Code.	W950
SE	1..1		Required. ST...SE transaction set trailer envelope. Child of GS group. Only one ST transaction expected.	
SE01	1..1	1/10	Required. Total count of segments in ST...SE transaction set including ST and SE segments.	10
SE02	1..1	1/9	Required. Transaction set control number.	0001
GE	1..1		Required. GS...GE functional group trailer envelope. Child of ISA interchange. Only one GS group expected.	
GE01	1..1	1/6	Required. Number of transaction sets in functional group.	3
GE02	1..1	1/9	Required. Functional group control number.	019827
EA	1..1		Required. ISA...EA interchange control trailer envelope. Only one interchange expected per transmission.	
EA01	1..1	1/2	Required. Number of functional groups in interchange.	1
EA02	1..1	1/9	Required. Interchange control number.	00000000019827

Example

```

ISA*00*                *00*                *07*7777776067344
*01*888888404358877*250612*1332*<*00501*000619827*0*P*::~~
GS*I0*2222224043588*TRACELINK*20250611*142000*619827*X*00501~
ST*312*0001~
BGN*00*8475*20251202*123222~
N1*CA*business_name1*1*s333~
N2*s27*s28~
N2*s20*s38~
N3*s334*s335~
N3*s20*s38~
N4*s336*s3*s338*US*CA*95833*US~
REF*SI*123*description1~
REF*TD*123*description3~
PER*IC*Grame Smith*TE*897654*EM*gsmith@gmail.com~
PER*FC*Grame Smith*TE*897654~
N1*SU*business_name2*2*s76~
N2*s27*s28~
N2*s45*s55~

```

N3*s77*s78~
N4*s79*s8*s81*US*CA*95834*US~
REF*CT*123*description1~
PER*IC*Grame Smith*EM*gsmith@gmail.com*TE*897654~
PER*RP*Grame Smith*EM*gsmith@gmail.com~
N1*ST*business_name3*9*s65~
N2*s10*s28~
N3*s66*s67~
N3*s20*s38~
N4*s68*s6*s70*US*CA*95836*US~
REF*SI*123*description1~
REF*CT*123*description2~
REF*TD*123*description3~
PER*IC*Grame Smith*TE*897654*EM*gsmith@gmail.com~
OTI*TA*IB*0001*1234*1212*20251202*123222*52*SCAC*100~
REF*SI*123*description1~
REF*AG*123*description2~
REF*TD*123*description3~
DTM*133*20251202*123222*03*D8~
DTM*372*20251202*12322211*03*DT~
AMT*A*62*D~
AMT*CH*62*C~
QTY*H8*65*EA~
QTY*QV*65*EA~
TED*B*s68*s69*70*71:72:73**s74~
NTE*BFD*s76~
NTE*BFD*s76~
NTE*BFD*s76~
RED*s77*PR*CX**BN*s81~
RED*s77*PR*CX**BN*s81~
RED*s77*PR*CX**BN*s81~
TED*B*s68*s69*70*71:72:73**s74~
NTE*BFD*s76~
NTE*BFD*s76~
NTE*BFD*s76~
RED*s77*PR*CX**BN*s81~
RED*s77*PR*CX**BN*s81~
RED*s77*PR*CX**BN*s81~
OTI*BA*IB*0001*1234*1212*20251202*123222*52*SCAC*100~
REF*SI*123*description1~
REF*AG*123*description2~
REF*TD*123*description3~
DTM*133*20251202*123222*03*D8~
DTM*372*20251202*12322211*03*DT~
AMT*A*62*D~
AMT*CH*62*C~

QTY*H8*65*EA~
QTY*QV*65*EA~
TED*MA*s68*s69*70*71:72:73**s74~
NTE*BFD*s76~
NTE*BFD*s76~
NTE*BFD*s76~
RED*s77*PR*CX**BN*s81~
RED*s77*PR*CX**BN*s81~
RED*s77*PR*CX**BN*s81~
TED*MB*s68*s69*70*71:72:73**s74~
NTE*BFD*s76~
NTE*BFD*s76~
NTE*BFD*s76~
RED*s77*PR*CX**BN*s81~
RED*s77*PR*CX**BN*s81~
RED*s77*PR*CX**BN*s81~
SE*82*s83s~
GE*84*85~
IEA*86*s87ssssss~

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