TRACELINK UNIVERSITY

Remittance advice (X12)

Remittance advices allow buyers to exchange data with suppliers confirming that payment has been made for one or more invoices. Communicating payment details, such as the invoice number, payment amount, and payment date, provides confirmation to suppliers that the correct payments for the correct invoices have been made, which helps to facilitate an efficient and transparent payment process for both parties.

Buyers use remittance advices to notify suppliers of payment confirmation and details for one or more invoices.

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

- **Message Type**: MPC_REMITTANCE_ADVICE (Remittance Advice)
- **X12 Format**: 820
- **Transform Name:**
  - B2B_EDI_X12_820_RemittanceAdvice_IB_V3

Guidelines

Input Element	Occurs	Length	Description	Example
ISA	1...1	–	ISA interchange envelope.	–

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Input Element	Occurs	Length	Description	Example
ISA01	1...1	2/2	Qualifier for authorization control number in ISA02.	00
ISA02	1...1	10/10	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	Qualifier for security information in ISA04.	00
ISA04	1...1	10/10	Identifies security information about the interchange sender or data	–
ISA05	1...1	2/2	Interchange sender partner ID qualifier.	07
ISA06	1...1	15/15	Interchange sender identification mapping to fileSenderNumber with party type defined in ISA05.	7777776067344
ISA07	1...1	2/2	Interchange receiver partner ID qualifier.	01
ISA08	1...1	15/15	Instance 1 EDI receiver ID mapping to file control header and to ServiceLinkId.	888888404358877
ISA09	1...1	6/6	Interchange date in 6 char YYMMDD format	231020
ISA10	1...1	4/4	Interchange time in 4 char HHMM format	1420
ISA11	1...1	1/1	This value is dependent on X12 version. • `Version 4012 and earlier` – Interchange control standards identifier. The valid value is U. • `Version 004020 and later` – Repetition separator, a delimiter that separates repeated occurrences of a data element or composite data structure, which must be different from the data element separator, component separator, and segment terminator.	^
ISA12	1...1	5/5	Interchange control version number. This could be any X12 version.	00501
ISA13	1...1	9/9	Interchange Control Number mapping to file control header	0000000000619827
ISA14	1...1	1/1	Interchange level acknowledgement requested. Valid values: • `0` - No acknowledgment requested. • `1` - Interchange level acknowledgment requested.	0

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Input Element	Occurs	Length	Description	Example
ISA15	1...1	1/1	Indicates whether the interchange is for production, test, or information purposes. Valid values: • I - Information. • P - Production data. • T - Test data.	P
ISA16	1...1	1/1	Component element separator. Delimiter that separates data elements within a composite data structure. Must be different than the data element separator and segment terminator	>
GS	1...*	–	GS group functional envelope. Child of ISA. Only one GS group expected per interchange.	–
GS01	1...1	2/2	GS group function code. The valid value is RA - Payment Order/Remittance Advice X12 820.	RA
GS02	1...1	2/15	Application sender's code.	2222224043588
GS03	1...1	2/15	Application receiver's code.	TRACELINK
GS04	1...1	8/8	Current date stamp in 8 char X12 date format YYYYMMDD.	20301020
GS05	1...1	4/8	Current time stamp in 6 char X12 time format HHMMSS.	142000
GS06	1...1	1/9	Group control ID number.	619827
GS07	1...1	1/2	Responsible Agency Code. Valid values: • T – Transportation data coordinating committee (TDCC). • X – X12 accredited standards committee.	X
GS08	1...1	1/12	X12 message version code. This could be any X12 version.	005010
ST	1...*	–	ST transaction set envelope. Child of GS group. Only one ST transaction expected.	–
ST01	1...1	3/3	Transaction set identifier code.	820
ST02	1...1	4/9	Transaction set ID number. Counter for each ST segment beginning with 1.	0001
BPR	1...1	–	Remittance advice beginning segment. Note: there is no transaction identifier in BPR.	–
BPR01	1...1	1/2	Transaction handling code specifying the action to be taken by all parties. Valid values: • I - Remittance • D - Payment	I

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Input Element	Occurs	Length	Description	Example
BPR02	1...1	1/18	Amount of payment in remittance advice.	4023567.26
BPR03	1...1	1/1	Credit or debit flag specifying the amount as a credit or debit. Valid values: • C - Credit • D - Debit	C
BPR04	1...1	'3/3	Payment method code. Valid values: • ACH - Automated clearing house • CAS - Cash • CCC - Credit card • CCH - Bank check • CHK - Check • DDP = Direct deposit • PBD - Draft • ZZZ - Custom	CHK
BPR05	0...1	1/10	Payment format code identifying the payment format to be used. Pass thru mapping for X12.	ARC
BPR06	0...1	2/2	Depository financial institution (bank) identifier type code for the paying party. Valid values: • 01 - ABA • 02 - SWIFT • 03 - CHIPS • 04 - Canadian bank branch & institution identifier • ZZ - Custom	SWIFT
BPR07	0...1	3/12	Depository financial institution (bank) identifier value for the paying party.	002356874148
BPR08	0...1	1/3	Account identifier type for the paying party. X12 pass thru. No account type in IDoc or EDIFACT.	03
BPR09	0...1	1/35	Account identifier code for the paying party.	0025841269
BPR10	0...1	1/10	Originating company identifier code (paying party). X12 pass thru.	123456
BPR11	0...1	9/9	Originating company supplemental identifier code (paying party). X12 pass thru.	–

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Input Element	Occurs	Length	Description	Example
BPR12	0...1	2/2	Depository financial institution (bank) identifier type code for the receiving payee party. Valid values: • 01 - ABA • 02 - SWIFT • 03 - CHIPS • 04 - Canadian bank branch & institution identifier • ZZ - Custom	SWIFT
BPR13	0...1	3/12	Depository financial institution (bank) identifier value for the receiving payee party.	002356874148
BPR14	0...1	1/3	Account identifier type for the receiving payee party. X12 pass thru. No account type in IDoc or EDIFACT.	03
BPR15	0...1	1/35	Account identifier code for the receiving payee party.	0045872560
BPR16	0...1	8/8	Payment date mapping to canonical header in date format YYYYMMDD.	20240628
BPR17	0...1	1/3	Business function code. Pass thru mapping for X12.	VEN
TRN	1...1	–	TRN trace segment recording reference document identifier for Remittance Advice	–
TRN01	1...1	1/2	Trace type code qualifying identifier value in TRN02. Valid values: • 1 - Current transaction trace document number. • 2 - Referenced transaction trace document number. • 3 - Financial re-association trace document number.	1
TRN02	1...1	1/80	Transaction trace reference document identification value for Remittance Advice as qualified by TRN01 mapping to canonical header.transactionReferenceIdentifierList group. Required for TL internal system processing.	002621337
TRN03	0...1	10/10	Originating -- paying -- company identifier	–
TRN04	0...1	1/80	Additional reference document identification value as qualified by TRN01.	–

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Input Element	Occurs	Length	Description	Example
CUR	0...1	–	Currency code info for payment record in Remittance Advice.	–
CUR01	1...1	2/3	Entity identifier code, for an organization, physical location, property or individual for use of the currency. The valid value is PR - Payer currency.	PR
CUR02	1...1	3/3	Standard ISO currency code for the country in which the payments are specified.	USD
CUR03	0...1	4/10	Exchange rate value to be used as a multiplier conversion factor to convert monetary value from one currency to another	–
REF	0...*	–	REF reference segment for mapping to the check number.	–
REF01	1...1	2/3	Reference identification qualifier for the check number. Valid value: • CK - Check number. • EM - Electronic payment number. • TN - Transaction reference • CD - Credit memo • 14 - Master account	CK
REF02	0...1	1/80	Reference identifier value.	002621337
DTM	0...*	–	DTM date segment for mapping to the processing date	–
DTM01	1...1	3/3	Date type qualifier for the processing date. Valid value: • 009 - Processing date • 020 - Check date • 097 - Transaction date • 814 - Payment due date • 582 - Report date	009
DTM02	0...1	8/8	Processing date in date format YYYYMMDD	20240628
DTM03	0...1	4/8	Processing time in time format HHMMSS	123422
N1	0...1	–	Name segment loop for • Bill to (buyer) party. • Invoice payer party • Payment recipient payee party.	–
N101	1...1	2/3	Entity qualifier for the bill to party identifier and address information. Valid values: • BT - Bill to party • PR - Invoice payer party • PE - Payee party	BT

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Input Element	Occurs	Length	Description	Example
N102	1...1	1/60	Name	Pharma customer
N103	1...1	1/2	Identifier code qualifier. Valid values: • 01 – DUNS • 09 – DUNS+4 • 11 – Drug Enforcement Agency registration number • 21 – Health Industry Number • 54 - Warehouse • 91 – Company identifier • 92 – Company location identifier • UL – Global Location Number	UL
N104	1...1	2/80	Bill to party identifier as qualified by N103 mapping to companyIdentifierValue.	3333331013655
N3	0...1	–	N3: Address: Child of warehouse party N1 name segment.	–
N301	1...1	1/55	Street address 1	555 Neelan Road
N302	0...1	1/55	Street address 2	Suite 123
N4	0...1	–	N4: Geographic Location. Child of warehouse party N1 name segment.	–
N401	1...1	2/30	City name	Sacramento
N402	1...1	2/2	State or province code. Code (Standard state/province) as defined by appropriate government agency	CA
N403	1...1	3/15	Postal code. Code defining international postal zone code excluding punctuation and blanks.	95833
N404	1...1	2/3	Country code	US
PER	0...6	–	Contact Information.	–
PER01	1...1	2/2	Contact function code identifying major duty or responsibility of person or group named as contact. The valid value is AJ - Primary contact.	AJ
PER02	1...1	1/40	Name of the contact person responsible for authenticating the pedigree information.	John Smith
PER03	1...1	2/2	Communication Number Qualifier identifying the contact person's telephone number or email address. Valid values: • TE - Telephone number • EM - Email address	TE
PER04	1...1	11/20	Communication number: Telephone number of the contact person expected in this field.	+1.516.747.6849

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Input Element	Occurs	Length	Description	Example
PER04	1...1	11/20	Communication number: Email address of the contact person.	jsmith@manufac.com
PER05	1...1	2/2	Communication Number Qualifier identifying the contact person's telephone number or email address. Valid values: • TE - Telephone number • EM - Email address	EM
PER06	1...1	6/50	Communication numbe: Email address for the contact person expected in this field.	jsmith@manufac.com
PER06	1...1	6/50	Communication number: Telephone number of the contact person.	+1.516.747.6849
ENT	0...*	–	Entity payment loop 2000 for consolidated payments.	–
ENT01	1...1	1/6	Assigned number for entity. This may appear only once or it may appear more than once, depending on the requirements of the recipient. It may be hard coded to 1 or it may represent some specific identifier required by a recipient. We will map whatever we find.	1
ADX	0...*	–	Standalone adjustment loop. Adjustments with reason codes but without reference to an invoice.	–
ADX01	1...1	1/18	Monetary amount of adjustment.	–25.45
ADX02	1...1	2/2	Adjustment reason code. Pass thru mapping to canonical.	02
ADX03	0...1	2/3	Reference identification qualifier. Valid values: • CM - Credit memo = amount always negative • DB - Debit memo = amount always positive Currently only these two are supported.	CM
ADX04	0...1	1/80	Reference document identification value as qualified by ADX03.	2194761
NTE	0...*	–	Note or special instruction about the standalone adjustment in ENT-ADX loop group 2300.	–
NTE01	0...1	3/3	Note reference code.	–
NTE02	1...1	1/80	Description, free text.	–
REF	0...*	–	REF reference segment loop for standalone adjustment in ENT-ADX loop group 2300.	–

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Input Element	Occurs	Length	Description	Example
REF01	1...1	2/3	Reference identification qualifier for the referenced document for the standalone adjustment in the ENT-ADX loop. **Valid values:** • CD – CREDITMEMO. • DB – DEBITMEMO • IK – INVOICE • IV – SELLERINVOICE • OI – ORIGINALINVOICE • 60 – CROSSREFERENCE • CT – CONTRACT • DP – DEPARTMENT. • LT – LOT • LU – LOCATION • MC – MICROFILM • MR – MERCHANDISETYPE • PO – PURCHASEORDER • ST – STORE	PO
REF02	0...1	1/80	Reference identifier value: check number	4500018486
DTM	0...1	–	DTM date segment for standalone adjustment in ENT-ADX loop group 2300.	–
DTM01	1...1	3/3	Date type qualifier for the standalone adjustment in the ENT-ADX loop. Valid values: • 003 - Invoice date • 004 - Purchase order date • 133 - Accounts receivable date • 814 - Payment date • 999 - Document date	003
DTM02	0...1	8/8	Processing date in date format YYYYMMDD	20240628
DTM03	0...1	4/8	Processing time in time format HHMMSS.	123422
RMR	0...*	–	Remittance advice accounts receivable open items reference in ENT-RMR loop 2400.	–
RMR01	0...1	2/3	Reference identification qualifier. Valid values: • IK - Invoice • CD - Credit memo = amount always negative • DB - Debit memo = amount always positive One of the top 3 invoice enumerations most likely to appear in RMR01.	IK
RMR02	0...1	1/80	Reference document identifier as defined by RMR01.	3629621

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Input Element	Occurs	Length	Description	Example
RMR03	0...1	2/2	Payment action code. Valid values: • PO - Payment on account • PI - Payment for item • AJ - Adjustment • ER - Evaluated receipt settlement • FL - Final	PO
RMR04	0...1	1/18	Amount paid against referenced document.	12547.25
RMR05	0...1	1/18	Total amount invoiced.	12600.00
RMR06	0...1	1/18	Amount of discount	52.75
REF	0...*	–	REF reference segment loop for standalone adjustment in ENT-RMR loop 2400.	–
REF01	1...1	2/3	Reference identification qualifier for the referenced document for the standalone adjustment in the ENT-ADX loop. **Valid values:** • CD – CREDITMEMO. • DB – DEBITMEMO • IK – INVOICE • IV – SELLERINVOICE • OI – ORIGINALINVOICE • 60 – CROSSREFERENCE • CT – CONTRACT • DP – DEPARTMENT. • LT – LOT • LU – LOCATION • MC – MICROFILM • MR – MERCHANDISETYPE • PO – PURCHASEORDER • ST – STORE	PO
REF02	0...1	1/80	Reference identifier value: check number	002621337
DTM	0...*	–	DTM date segment for standalone adjustment in ENT-RMR loop 2400.	–
DTM01	1...1	3/3	Date type qualifier for the standalone adjustment in the ENT-ADX loop. Valid values: • 003 - Invoice date • 004 - Purchase order date • 133 - Accounts receivable date • 814 - Payment date • 999 - Document date	004
DTM02	0...1	8/8	Processing date in date format YYYYMMDD	20240628
DTM03	0...1	4/8	Processing time in time format HHMMSS	123422

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Input Element	Occurs	Length	Description	Example
ADX	0...*	–	ADX adjustments looping group 2420 within ENT-RMR 2400 loop, referencing invoice or other document identified in RMR01 and RMR02.	–
ADX01	1...1	1/18	Monetary amount of adjustment.	-25.45
ADX02	1...1	2/2	Adjustment reason code. Pass thru mapping to canonical.	02
ADX03	0...1	2/3	Reference identification qualifier. Valid values: • CM - Credit memo = amount always negative • DB - Debit memo = amount always positive Currently only these two are supported.	CM
ADX04	0...1	1/80	Reference document identification value as qualified by ADX03.	2194761
NTE	0...*	–	Note or special instruction about the standalone adjustment in ENT-RMR-ADX loop group 2400.	–
NTE01	0...1	3/3	Note reference code.	–
NTE02	1...1	1/80	Description, free text	–
REF	0...*	–	REF reference segment loop for standalone adjustment in ENT-RMR-ADX looping group 2400-2420.	–
REF01	1...1	2/3	Reference identification qualifier for the referenced document for the standalone adjustment in the ENT-ADX loop. **Valid values:** • CD – CREDITMEMO. • DB – DEBITMEMO • IK – INVOICE • IV – SELLERINVOICE • OI – ORIGINALINVOICE • 60 – CROSSREFERENCE • CT – CONTRACT • DP – DEPARTMENT. • LT – LOT • LU – LOCATION • MC – MICROFILM • MR – MERCHANDISETYPE • PO – PURCHASEORDER • ST – STORE	PO
REF02	0...1	1/80	Reference identifier value: check number	002621337
SE	1...1	–	ST ... SE transaction set trailer envelope. Child of GS group. Only one ST transaction expected.	–

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Input Element	Occurs	Length	Description	Example
SE01	1...1	1/10	Total count of segments in ST ... SE transaction set including ST and SE segments.	10
SE02	1...1	4/9	Transaction set control number	0001
GE	1...1	–	GS ... GE functional group trailer envelope. Child of ISA interchange. Only one GS group expected.	–
GE01	1...1	1/6	Number of transaction sets in functional group	5
GE02	1...1	1/9	Functional group control number	619827
IEA	1...1	–	ISA ... IEA interchange control trailer envelope. Only one interchange expected per transmission.	–
IEA01	1...1	1/5	Number of functional groups in interchange.	1
IEA02	1...1	9/9	Interchange control number	0000000000619827

Example

```
ISA*00* *00* *01*7777776067344
*01*888888404358877*240424*1511*^*00501*000619827*0*P*>
GS*RA*2222224043588*TRACELINK*20240424*151112*619827*X*005010
ST*820*0001
BPR*I*4023567.26*C*CHK*ARC*01*002356874148*ANN*0025841269*1234567890*b
pr126789*01*0
02356870099*03*0045872560*20240424*VEN
TRN*1*002621337*8965432712*Additional reference document
identification value as
qualified by TRN01
CUR*PR*USD*4011
REF*CK*s44
DTM*020*20240421*161114
N1*BT*BT Pharma Customer*1*3333331013655
N3*555 Neelan Road*Suite123
N4*Sacramento*CA*95833*US
PER*AJ*John Smith*TE*+1.516.747.6849*EM*jsmith@manufac.com
N1*PR*PR Wholesale Inc*1*3333331013666
N3*556 Neelan Road*Suite456
N4*Sacramento*CA*95844*US
PER*AJ*Derek Smith*EM*derek@abc.com*TE*12344567890
N1*PE*PE Pharma supplier*1*8568745
N3*557 Neelam Road*Suite789
N4*Sacramento*CA*95855*US
PER*AJ*RemitTo*EM*remitto@email.com*TE*1-444-444-4444
ENT*90
ADX*-91.06*02*CM*2194761
```

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```
NTE*AAA*Description, free text No 1
REF*PO*4500018486
DTM*003*20240524*154112
RMR*OI*3629621*PO*12547.25*12600.00*52.75
REF*6O*002621337
REF*LT*002621338
DTM*004*20240628*151112
SE*29*0001
GE*5*619827
IEA*1*000619827
```

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