**Texas**

**Standard**

**Electronic**

**Transaction**

**820\_02:**

##### CR Remittance Advice

Electronic Data Interchange

## ANSI ASC X12 Ver/Rel 004010

Transaction Set 820

**Texas 820\_02:**

CR Remittance Advice

This transaction set, from the Competitive Retailer (CR) to the Transmission Distribution Service Provider (TDSP), is used by the CR to notify the TDSP of payment details related to a specific invoice if the remittance detail is separate from the payment. If payment and remittance travel together through a financial institution, this implementation guide can be used as a baseline discussion with your financial institution. All “must use” fields in this Implementation Guide (820\_02) must be forwarded to the Financial Institution.

A single payment sent via the bank and a single remittance sent to the TDSP can include multiple invoices, however a 1 to 1 correlation must exist between the payment submitted to the bank and the corresponding remittance advice to the TDSP.

When sending payments by ACH, there are two acceptable payment methods:

CCD+: Payment and Remittance originate separately. CR is required to provide an Addenda record with trace or reference number that travels with payment to the bank. Trace number from Remittance must match trace number provided on the payment.

CTX: Payment and Remittance travel together via the bank. Data required for CTX include CR Duns Number, Trace Number, ESI-ID for each invoice and total amount of payment paid.

When sending payments by Federal Wire Funds Transfer, the Originator to Beneficiary Information (OBI) field accomplishes same objective as Addenda record referenced for CCD+. CR is required to provide a trace or reference number in the OBI field that travels with the payment to the bank.

The CR will send the remittance advice and payment instruction within 5 days of each other. The remittance advice and payment instruction dollar amount must balance to the corresponding transaction. Payment will be considered received on the date Company’s bank receives the Electronic Funds Transfer (EFT) or Wire Transfer (WT) and the appropriate remittance advice is received by Company in accordance with the requirements specified by Applicable Legal Authorities.

TDSPs will proceed with credit activities when the remittance advice is received without a corresponding payment instruction, or vice versa, until the corresponding remittance advice and/or payment instruction is received.

Document Flow:

1. CR to TDSP

The Functional Acknowledgement (997) transaction set from the receiver of the originating transaction to the sender of the originating transaction, is used to acknowledge the receipt of the originating transaction and indicate whether the transaction passed ANSI X12 validation. This acknowledgement does not imply that the originating transaction passed Texas SET validation. “CR, TDSP, or ERCOT shall respond with a 997 within 24 hours of receipt of an inbound transaction.”

|  |  |  |
| --- | --- | --- |
|  |  | Summary of Changes |
| October 20, 2000  Version 1.0 |  | Initial Release |
| December 12, 2000 Version 1.2 |  | The following changes were made: |
|  |  | 1. Changed version to Version 1.2 for consistency. |
|  |  | 1. Changed date to 12-12-00 from October 20, 2000. |
| March 23, 2001  Version 1.3 |  | The following changes were made: |
|  |  | 1. Removed Scenario Names from Transaction Description page |
|  |  | 1. Corrected the How to Use this Implementation Guide page |
|  |  | 1. Corrected example on N1~PR (Payer) Segment |
|  |  | 1. Added language to ENT Segment, “There will only be one ENT Loop per 820.” |
|  |  | 1. Corrected example:    1. BPR02 from $500.00 to $429.90    2. Payee DUNS+4 Number to “TDSP” at the end instead of “ESP1”    3. Cosmetic changes to example for consistency with other transactions |
| August 3, 2001  Version 1.4 |  | The following changes were made: |
|  |  | 1. A Cross Reference Number from the 867 will not be provided in the 820 when: |
|  |  | * 1. In the 810, the BIG07 = 26 (Miscellaneous Service Invoice for Discretionary Charges)   2. In the 810, the BIG07 = BD (Statement of Balance Due for Late Payment Charges) |
| June 17th, 2002  Version 1.5 |  | The following changes were made: |
|  |  | 1. Remove Gray box code CTX in Example BPR05. |
|  |  | * Add How to Use notes. Ref. 2002-296 |
|  |  | * Add notes for Bank formatting option. Ref. 2002-298 |
|  |  | * Add note in BPR to refer to “How to Use Document” Ref. 2002-300 |
|  |  | * Remove “Must Use” in the REF~60 for Late Pay etc, Ref. 2002-299 |
|  |  | * Applied Change Control 313: Removes MC TDSP functionality from the How to Use Document |
| 8/5/02 |  | Change Control 2002-353 – Corrected Implementation guide “Summary of Changes” by cleaning up previously missed or inaccurate additions to Summary of Changes: |
|  |  | * Change Control 2001-164 – Change Control 2001-164 – Removed References of the MUST USE text in the ANSI Header Section. |
|  |  | * Change Control 2001-230 – Deleted the “CTX” code from the main gray box example in the BPR Segment (Beginning Segment for Payment Order/Remittance Advice). |
|  |  | * Change Control 2002-353 – Updated Change Control Log to add approved Version 1.5 Change Controls 2001-164 and 2001-230. This was previously missed at time of update of implementation guide and is needed to reflect the approved change controls. |
| 9/15/02 |  | Change Control 2002-392 – Modified gray box for the BPR~1 Segment. |
| 9/3/2003 |  | Change Control 2003-531 – Added BPO removed How to Use |
| June 17th, 2003  Version 1.6 |  | No Changes |
| September 29th, 2003 |  | No Changes |
| October 8, 2004  Version 2.0A |  | Change Control 2004-608:   * Corrected examples for the 820\_02   Change Control 2004-634:   * As per discussions at the June 04 TX SET meeting, additional language should be added to each Transaction Set to identify the requirements and required response to the 997 Functional acknowledgement - The Functional Acknowledgement (997) transaction set from the receiver of the originating transaction to the sender of the originating transaction, is used to acknowledge the receipt of the originating transaction and indicate whether the transaction passed ANSI X12 validation. This acknowledgement does not imply that the originating transaction passed Texas SET validation. “CR, TDSP, or ERCOT shall respond with a 997 within 24 hours of receipt of an inbound transaction.” |
| March 1, 2005  Version 2.1 |  | Change Control 2004-627:   * Incorporate the Business Process Overview to the 820\_02 Implementation Guide. Remove the Business Process Overview from the 820\_02 transaction.   Change Control 2004-643:   * Update the 820\_02 IG to provide clarification on how decimals are used in the BPR02 & RMR04.   Change Control 2005-683:   * Add clarity to the transaction notes section regarding the Texas Market use of characters in alphanumeric fields |
| March 1, 2006  Version 3.0 |  | Change Control 2006-691:   * To support the changes in the revised Pro-Forma Retail Delivery Tariff, PUCT Project 29637. * Clarifying language added regarding the timeframes by which the 820\_02 and invoice payment must be received by the TDSP in order to be considered timely i.e. received by the due date. No change required to transaction, only clarifying language. |
| November 30, 2010  Version 3.0A |  | Change Control 2009-729:   * Remove all examples from the TX SET Implementation guides and post them into a separate document for quicker correction and addition of new examples without a TX SET release |
| June 11, 2012  Version 4.0 |  | Change Control 2010-748:   * The purpose of this Change Control is to sync the names of the Texas SET Guide transactions, with the names of the transactions in Protocol and the Retail Market Guide. |
| November 2, 2020  Version 4.0A |  | Change Control 2020-820   * Recipients of the Select Language Characters (Special Characters) found in the Extended Character Set of the Application Control Structure can be rejected with a 997 Reject. |

**How to Use this Implementation Guide**

This section is used to show the **X12 Rules** for this segment. You must look further into the grayboxes below for Texas Rules.

**Segment: REF Reference Identification (ESI ID)**

**Position:** 030

**Loop:** LIN Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To specify identifying information

**Syntax Notes:** **1** At least one of REF02 or REF03 is required.

**2** If either C04003 or C04004 is present, then the other is required.

**3** If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** **1** REF04 contains data relating to the value cited in REF02.

**Comments:**

This section is used to show the Texas Rules for implementation of this segment.

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Required |
|  |  | REF~Q5~~10111111234567890ABCDEFGHIJKLMNOPQRS |

**Data Element Summary**

One or more examples.

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | | | | **M** |  | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | | |
|  | | | | Q5 |  | Property Control Number | | | | |
|  | | | | | | Electric Service Identifier (ESI ID) | | | |
| **Must Use** | **REF03** | **352** | **Description** | | | | **X** |  | **AN 1/80** | | |
|  | | | A free-form description to clarify the related data elements and their content | | | | | | | |
|  | | | ESI ID | | | | | | | |

This column shows the Texas use of each data element.

This column shows the X12 attributes for each data element.

M = Mandatory

O = Optional

X = Relational

C = Conditional

AN = Alphanumeric

N# = Implied Decimal at position #

ID = Identification

R = Real

1/30 = Minimum 1, Maximum 30

These are X12 code descriptions, which often do not relate to the Texas descriptions.

X12 cannot keep up with Texas needs, thus, Texas often changes the meaning of existing codes. See the corresponding graybox for the Texas definitions.

820 Payment Order/Remittance Advice

ANSI ASC X12 Structure

**Functional Group ID=RA**

**Introduction:**

This Draft Standard for Trial Use contains the format and establishes the data contents of the Payment Order/Remittance Advice Transaction Set (820) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to make a payment, send a remittance advice, or make a payment and send a remittance advice. This transaction set can be an order to a financial institution to make a payment to a payee. It can also be a remittance advice identifying the detail needed to perform cash application to the payee's accounts receivable system. The remittance advice can go directly from payer to payee, through a financial institution, or through a third party agent.

**Heading:**

**Pos. Seg. Req. Loop Notes and**

**No. ID Name Des. Max.Use Repeat Comments**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| M | 010 | ST | Transaction Set Header | M | 1 |  |  |  |  |  |  |  |  |
| M | 020 | BPR | Beginning Segment for Payment Order/Remittance Advice | M | 1 |  |  |  |  |  |  |  |  |
|  | 035 | TRN | Trace | O | 1 |  | c1 |  |  |  |  |  |  |
|  |  |  | LOOP ID - N1 |  |  | >1 |  |  |  |  |  |  |  |
|  | 070 | N1 | Name | O | 1 |  | c2 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Detail:**

**Pos. Seg. Req. Loop Notes and**

**No. ID Name Des. Max.Use Repeat Comments**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | LOOP ID - ENT |  |  | >1 |  |  |  |  |  |  |  |
|  | 010 | ENT | Entity | O | 1 |  | n1, c3 |  |  |  |  |  |  |
|  |  |  | LOOP ID - RMR |  |  | >1 |  |  |  |  |  |  |  |
|  | 150 | RMR | Remittance Advice Accounts Receivable Open Item Reference | O | 1 |  | c4 |  |  |  |  |  |  |
|  | 170 | REF | Reference Identification | O | >1 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Summary:**

**Pos. Seg. Req. Loop Notes and**

**No. ID Name Des. Max.Use Repeat Comments**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| M | 010 | SE | Transaction Set Trailer | M | 1 |  |  |  |  |  |  |  |  |

**Transaction Set Notes**

**1.** The ENT loop is for vendor or consumer third party consolidated payments.

**Transaction Set Comments**

**1.** The TRN segment is used to uniquely identify a payment order/remittance advice.

**2.** The N1 loop allows for name/address information for the payer and payee which would be utilized to address remittance(s) for delivery.

**3.** ENT09 may contain the payee's accounts receivable customer number.

**4.** Loop RMR is for open items being referenced or for payment on account.

For use on an alphanumeric field, Texas SET recognizes all characters within the Basic Character Set. Within the Extended Character Set, Texas SET recognizes all character sets except all Select Language Characters found in Section 3.3.2 item (4) of X12 Application Control Structure. Exceptions to ANSI Standards for alphanumeric fields are noted in gray boxes of this Implementation Guide.

Receipt of the Select Language Characters found in Section 3.3.2 item (4) of the Application Control Structure may be rejected with a 997 Reject transaction by recipient.

For reference, the Select Language Characters found in Section 3.3.2 item (4) of the ANSI Standards are:

À|Á|Â|Ä|à|á|â|ä|È|É|Ê|è|é|ê|ë|Ì|Í|Î|ì|í|î|ï|Ò|Ó|Ô|Ö|ò|ó|ô|ö|Ù|Ú|Û|Ü|ù|ú|û|ü|Ç|ç|Ñ|ñ|¿|¡

**Segment: ST Transaction Set Header**

**Position:** 010

**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).

**Comments:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Required |
|  |  | ST~820~000000001 |

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **ST01** | **143** | **Transaction Set Identifier Code** | | | | **M** |  | **ID 3/3** | |
|  | | | Code uniquely identifying a Transaction Set | | | | | | |
|  | | | | 820 |  | Payment Order/Remittance Advice | | | |
| **Must Use** | **ST02** | **329** | **Transaction Set Control Number** | | | | **M** |  | **AN 4/9** | |
|  | | | Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set | | | | | | |

**Segment: BPR Beginning Segment for Payment Order/Remittance Advice**

**Position:** 020

**Loop:**

**Level:** Heading

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To indicate the beginning of a Payment Order/Remittance Advice Transaction Set and total payment amount, or to enable related transfer of funds and/or information from payer to payee to occur

**Syntax Notes:** **1** If either BPR06 or BPR07 is present, then the other is required.

**2** If BPR08 is present, then BPR09 is required.

**3** If either BPR12 or BPR13 is present, then the other is required.

**4** If BPR14 is present, then BPR15 is required.

**5** If either BPR18 or BPR19 is present, then the other is required.

**6** If BPR20 is present, then BPR21 is required.

**Semantic Notes:** **1** BPR02 specifies the payment amount.

**2** When using this transaction set to initiate a payment, all or some of BPR06 through BPR16 may be required, depending on the conventions of the specific financial channel being used.

BPR06 and BPR07 relate to the originating depository financial institution (ODFI).

**3** BPR08 is a code identifying the type of bank account or other financial asset.

**4** BPR09 is the account of the company originating the payment. This account may be debited or credited depending on the type of payment order.

**5** BPR12 and BPR13 relate to the receiving depository financial institution (RDFI).

**6** BPR14 is a code identifying the type of bank account or other financial asset.

**7** BPR15 is the account number of the receiving company to be debited or credited with the payment order.

**8** BPR16 is the date the originating company intends for the transaction to be settled (i.e., Payment Effective Date).

**9** BPR17 is a code identifying the business reason for this payment.

**10** BPR18, BPR19, BPR20 and BPR21, if used, identify a third bank identification number and account to be used for return items only.

**11** BPR20 is a code identifying the type of bank account or other financial asset.

**Comments:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | The 820 remittance advice will be sent on a daily basis and will include all applicable adjustments as outlined in the guides as long as the adjustments are not larger than the payments. A negative remittance advice is not allowed in the Texas Market. It is not necessary for a CR to hold an adjustment amount until that days invoices will result in a zero difference but instead may use the adjustment amount by taking a partial credit on another invoice.  If the adjustments on the remittance advice are larger than the payments (creating a negative remittance advice), and the expectation is that additional payments due the next business day will offset the negative remittance amount, payment must be held until the CR can submit a net positive Remittance Advice. If it is determined that the negative remittance cannot be offset in one business day, the payer will contact the payee to determine the best process to remedy the situation. |
|  |  | Required |
|  |  | BPR~I~1000.12~C~FWT~~~~~~~~~~~~20010731 |

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **BPR01** | **305** | **Transaction Handling Code** | | | | **M** |  | **ID 1/2** | | |
|  | | | Code designating the action to be taken by all parties | | | | | | | |
|  | | | | I |  | Remittance Information Only | | | | |
| **Must Use** | **BPR02** | **782** | **Monetary Amount** | | | | **M** |  | **R 1/18** | | |
|  | | | Monetary amount | | | | | | | |
|  | | | The total positive amount (including zero) being moved through the ACH system.  This field is a Real Number and as such the decimal point is not implied. The decimal point always appears in the character stream if the decimal point is at any place other than the right end. If the decimal point is at the right end the decimal point should be omitted. This field cannot contain commas or plus signs. Leading zeros should be suppressed unless used to meet minimum length, and trailing zeroes should be omitted if value includes a decimal point. The monetary amount is sent with a maximum of two digits to the right of the decimal point.  The Header Position 020 BPR02 element must equal the sum of all Detail Position 150 RMR04 elements. | | | | | | | |
| **Must Use** | **BPR03** | **478** | **Credit/Debit Flag Code** | | | | **M** |  | **ID 1/1** | | |
|  | | | Code indicating whether amount is a credit or debit | | | | | | | |
|  | | | | C |  | Credit | | | | |
| **Must Use** | **BPR04** | **591** | **Payment Method Code** | | | | **M** |  | **ID 3/3** | | |
|  | | | Code identifying the method for the movement of payment instructions | | | | | | | |
|  | | | | ACH |  | Automated Clearing House (ACH) | | | | |
|  | | | | | | Two acceptable payment methods:  CCD+: Payment and Remittance originate separately. CR is required to provide an Addenda record with trace or reference number that travels with payment to the bank. Trace number from Remittance must match trace number provided on the payment.  CTX: Payment and Remittance travel together via the bank. Data required for CTX include CR Duns Number, Trace Number, ESI-ID for each invoice and total amount of payment paid | | | |
|  | | | | FEW |  | Federal Reserve Funds/Wire Transfer - Repetitive | | | | |
|  | | | | | | Originator to Beneficiary Information (OBI) field accomplishes same objective as Addenda record referenced for CCD+. CR is required to provide a trace or reference number in the OBI field that travels with the payment to the bank. | | | |
|  | | | | FWT |  | Federal Reserve Funds/Wire Transfer - Nonrepetitive | | | | |
|  | | | | | | Originator to Beneficiary Information (OBI) field accomplishes same objective as Addenda record referenced for CCD+. CR is required to provide a trace or reference number in the OBI field that travels with the payment to the bank. | | | |
| **Must Use** | **BPR16** | **373** | **Date** | | | | **O** |  | **DT 8/8** | | |
|  | | | Date expressed as CCYYMMDD | | | | | | | |
|  | | | The date the originating company intends for the transaction to be settled (i.e., Payment Effective Date). | | | | | | | |

**Segment: TRN Trace**

**Position:** 035

**Loop:**

**Level:** Heading

**Usage:** Optional

**Max Use:** 1

**Purpose:** To uniquely identify a transaction to an application

**Syntax Notes:**

**Semantic Notes:** **1** TRN02 provides unique identification for the transaction.

**2** TRN03 identifies an organization.

**3** TRN04 identifies a further subdivision within the organization.

**Comments:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Required |
|  |  | TRN~3~UCP103941 |

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **TRN01** | **481** | **Trace Type Code** | | | | **M** |  | **ID 1/2** | |
|  | | | Code identifying which transaction is being referenced | | | | | | |
|  | | | | 3 |  | Financial Reassociation Trace Number | | | |
| **Must Use** | **TRN02** | **127** | **Reference Identification** | | | | **M** |  | **AN 1/30** | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | |
|  | | | Unique Number identifying this remittance advice, used to associate the remittance advice to the payment. Every trace number sent to the TDSP must match a trace/reference number sent via the bank. It is not acceptable for several payments sent via the bank to reference one remittance advice or several remittance advices to reference one payment. The TDSP cannot match a remittance advice trace/reference number to a payment when a payment is not made through the bank with the same trace/reference number.  Positions 16-45 of the Addenda Record or OBI field of the payment to the bank must match the TRN02 values of the 820\_02 remittance advice exactly. It is not required to pad the fields of the Addenda Record or OBI field with zeroes. This is the number generated from the CRs system, not the trace number received from the CRs financial institution. This information must be left justified in the Addenda Record or OBI field of the payment to the bank.  Transaction Reference numbers will only contain uppercase letters (A to Z) and digits (0 to 9). Note that punctuation (spaces, dashes, etc.) must be excluded | | | | | | |

**Segment: N1 Name (Payee)**

**Position:** 070

**Loop:** N1 Optional

**Level:** Heading

**Usage:** Optional

**Max Use:** 1

**Purpose:** To identify a party by type of organization, name, and code

**Syntax Notes:** **1** At least one of N102 or N103 is required.

**2** If either N103 or N104 is present, then the other is required.

**Semantic Notes:**

**Comments:** **1** This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

**2** N105 and N106 further define the type of entity in N101.

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Required |
|  |  | N1~PE~PAYEE COMPANY~1~007191969 |

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **N101** | **98** | **Entity Identifier Code** | | | | **M** |  | **ID 2/3** | | |
|  | | | Code identifying an organizational entity, a physical location, property or an individual | | | | | | | |
|  | | | | PE |  | Payee | | | | |
|  | | | | | | Receiver of the payment/remittance advice | | | |
| **Must Use** | **N102** | **93** | **Name** | | | | **X** |  | **AN 1/60** | | |
|  | | | Free-form name | | | | | | | |
|  | | | Payee Name | | | | | | | |
| **Must Use** | **N103** | **66** | **Identification Code Qualifier** | | | | **X** |  | **ID 1/2** | | |
|  | | | Code designating the system/method of code structure used for Identification Code (67) | | | | | | | |
|  | | | | 1 |  | D-U-N-S Number, Dun & Bradstreet | | | | |
|  | | | | 9 |  | D-U-N-S+4, D-U-N-S Number with Four Character Suffix | | | | |
| **Must Use** | **N104** | **67** | **Identification Code** | | | | **X** |  | **AN 2/80** | | |
|  | | | Code identifying a party or other code | | | | | | | |
|  | | | Payee D-U-N-S Number or D-U-N-S + 4 Number | | | | | | | |

**Segment: N1 Name (Payer)**

**Position:** 070

**Loop:** N1 Optional

**Level:** Heading

**Usage:** Optional

**Max Use:** 1

**Purpose:** To identify a party by type of organization, name, and code

**Syntax Notes:** **1** At least one of N102 or N103 is required.

**2** If either N103 or N104 is present, then the other is required.

**Semantic Notes:**

**Comments:** **1** This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

**2** N105 and N106 further define the type of entity in N101.

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Required |
|  |  | N1~PR~PAYER CO~9~0079111957CRN1 |

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **N101** | **98** | **Entity Identifier Code** | | | | **M** |  | **ID 2/3** | | |
|  | | | Code identifying an organizational entity, a physical location, property or an individual | | | | | | | |
|  | | | | PR |  | Payer | | | | |
|  | | | | | | Initiator of the payment/remittance advice | | | |
| **Must Use** | **N102** | **93** | **Name** | | | | **X** |  | **AN 1/60** | | |
|  | | | Free-form name | | | | | | | |
|  | | | Payer Name | | | | | | | |
| **Must Use** | **N103** | **66** | **Identification Code Qualifier** | | | | **X** |  | **ID 1/2** | | |
|  | | | Code designating the system/method of code structure used for Identification Code (67) | | | | | | | |
|  | | | | 1 |  | D-U-N-S Number, Dun & Bradstreet | | | | |
|  | | | | 9 |  | D-U-N-S+4, D-U-N-S Number with Four Character Suffix | | | | |
| **Must Use** | **N104** | **67** | **Identification Code** | | | | **X** |  | **AN 2/80** | | |
|  | | | Code identifying a party or other code | | | | | | | |
|  | | | Payer D-U-N-S Number or D-U-N-S + 4 Number  When sending payments to the bank, positions 1-15 of the Addenda Record and OBI field are reserved for the N104. If sending 9 digit DUNS number in the Addenda Record or OBI field, zeroes must be used to pad the field positions 10-15 of the payment sent to the bank. If sending a 13 digit DUNS Number (DUNS+4) in the Addenda Record or OBI field, zeroes must be used to pad the field positions 14-15. This information must be left justified in the Addenda Record or OBI field, and cannot contain punctuation. | | | | | | | |

**Segment: ENT Entity**

**Position:** 010

**Loop:** ENT Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

**Purpose:** To designate the entities which are parties to a transaction and specify a reference meaningful to those entities

**Syntax Notes:** **1** If any of ENT02 ENT03 or ENT04 is present, then all are required.

**2** If any of ENT05 ENT06 or ENT07 is present, then all are required.

**3** If either ENT08 or ENT09 is present, then the other is required.

**Semantic Notes:**

**Comments:** **1** This segment allows for the grouping of data by entity/entities at or within a master/masters. A master (e.g., an organization) can be comprised of numerous subgroups (e.g., entities). This master may send grouped data to another master (e.g., an organization) which is comprised of one or more entities. Groupings are as follows:

(1) Single/Single: Only ENT01 is necessary, because there is a single entity (the sending master) communicating with a single entity (the receiving master).

(2) Single/Multiple: ENT05, ENT06, and ENT07 would be used to identify the entities within the receiving master. The sending master is a single entity, so no other data elements need be used.

(3) Multiple/Single: ENT02, ENT03, and ENT04 would be used to identify the entities within the sending master. The receiving master is a single entity, so no other data elements need be used.

(4) Multiple/Multiple: ENT02, ENT03, and ENT04 would be used to identify the entities within the sending master. ENT05, ENT06, and ENT07 would be used to identify the entities within the receiving master.

This segment also allows for the transmission of a unique reference number that is meaningful between the entities.

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Required - There will only be one ENT Loop per 820. |
|  |  | ENT~1 |

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **ENT01** | **554** | **Assigned Number** | **O** |  | **N0 1/6** | |
|  | | | Number assigned for differentiation within a transaction set | | | |

**Segment: RMR Remittance Advice Accounts Receivable Open Item Reference**

**Position:** 150

**Loop:** RMR Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

**Purpose:** To specify the accounts receivable open item(s) to be included in the cash application and to convey the appropriate detail

**Syntax Notes:** **1** If either RMR01 or RMR02 is present, then the other is required.

**2** If either RMR07 or RMR08 is present, then the other is required.

**Semantic Notes:** **1** If RMR03 is present, it specifies how the cash is to be applied.

**2** RMR04 is the amount paid.

**3** RMR05 is the amount of invoice (including charges, less allowance) before terms discount (if discount is applicable) or debit amount or credit amount of referenced items.

**4** RMR06 is the amount of discount taken.

**5** RMR08, if present, represents an interest penalty payment, amount late interest paid, or amount anticipation.

**Comments:** **1** Parties using this segment should agree on the content of RMR01 and RMR02 prior to initiating communication.

**2** If RMR03 is not present, this is a payment for an open item. If paying an open item, RMR02 must be present. If not paying a specific open item, RMR04 must be present.

**3** RMR05 may be needed by some payees to distinguish between duplicate reference numbers.

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Required |
|  |  | RMR~IK~123455~~1000  RMR~IK~123455~~-1000.12 |

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **RMR01** | **128** | **Reference Identification Qualifier** | | | | **X** |  | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | | |
|  | | | | IK |  | Invoice Number | | | | |
|  | | | | | | Invoice number from the BIG02 of the 810 Invoice | | | |
| **Must Use** | **RMR02** | **127** | **Reference Identification** | | | | **X** |  | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | | |
|  | | | Invoice Number | | | | | | | |
| **Must Use** | **RMR04** | **782** | **Monetary Amount** | | | | **O** |  | **R 1/18** | | |
|  | | | Monetary amount | | | | | | | |
|  | | | Payment or adjustment amount - the sum of all Detail Position 150 RMR04 elements must equal the amount in Header Position 020 BPR02.  This field is a Real Number and as such the decimal point is not implied. The decimal point always appears in the character stream if the decimal point is at any place other than the right end. If the decimal point is at the right end the decimal point should be omitted.  Minus sign is included if it is negative. Do not include commas or plus signs. Leading zeroes should be suppressed unless needed to satisfy the minimum length. Trailing zeroes at the end should be omitted if the value includes a decimal point. Signs and decimal points do not count as length. Monetary amount is sent with a maximum of two digits to the right of the decimal point.  Please see the Notes section in the BPR Segment for instructions on how to handle a negative remittance. | | | | | | | |

**Segment: REF Reference Identification (Cross Reference Number)**

**Position:** 170

**Loop:** RMR Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To specify identifying information

**Syntax Notes:** **1** At least one of REF02 or REF03 is required.

**2** If either C04003 or C04004 is present, then the other is required.

**3** If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** **1** REF04 contains data relating to the value cited in REF02.

**Comments:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Cross-Reference numbers will only contain uppercase letters (A to Z) and digits (0 to 9). Note that punctuation (spaces, dashes, etc.) must be excluded. |
|  |  | The cross-reference number originally transmitted in the 867 in the BPT02 must be sent in the BIG05 of the 810 and in the RMR loop REF~6O of the 820.  Late Payment Charge Invoice: Not Used  Outstanding discretionary charge after final bill: Not Used |
|  |  | REF~6O~2348400586 |

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | | | | **M** |  | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | | |
|  | | | | 6O |  | Cross Reference Number | | | | |
|  | | | | | | Unique cross-reference number to link 867, 810, and 820. The cross-reference number originally transmitted in the 867 - BPT02, and the 810 - BIG05. | | | |
| **Must Use** | **REF02** | **127** | **Reference Identification** | | | | **X** |  | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | | |
|  | | | Cross Reference Number | | | | | | | |

**Segment: REF Reference Identification (ESI ID)**

**Position:** 170

**Loop:** RMR Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To specify identifying information

**Syntax Notes:** **1** At least one of REF02 or REF03 is required.

**2** If either C04003 or C04004 is present, then the other is required.

**3** If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** **1** REF04 contains data relating to the value cited in REF02.

**Comments:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Required |
|  |  | REF~Q5~~10111111234567890ABCDEFGHIJKLMNOPQRS |

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | | | | **M** |  | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | | |
|  | | | | Q5 |  | Property Control Number | | | | |
|  | | | | | | Electric Service Identifier (ESI ID) | | | |
| **Must Use** | **REF03** | **352** | **Description** | | | | **X** |  | **AN 1/80** | | |
|  | | | A free-form description to clarify the related data elements and their content | | | | | | | |
|  | | | ESI ID | | | | | | | |

**Segment: SE Transaction Set Trailer**

**Position:** 010

**Loop:**

**Level:** Summary

**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.

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Required |
|  |  | SE~28~000000001 |

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **SE01** | **96** | **Number of Included Segments** | **M** |  | **N0 1/10** | |
|  | | | Total number of segments included in a transaction set including ST and SE segments | | | |
| **Must Use** | **SE02** | **329** | **Transaction Set Control Number** | **M** |  | **AN 4/9** | |
|  | | | Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set | | | |