

ECRS 810 Invoice Specification • Version 2.0

Overview

This document defines the structure and usage of the 810 Invoice X12 transaction set for ECRS.

ISA – Interchange Control Header

Usage: Mandatory

Purpose: Identifies the start of an interchange and provides sender/receiver IDs, date/time, control numbers, and version info.

Example:

```
ISA*00* *00* *ZZ*ECRSSIS *ZZ*9876543210  
*250910*1154*U*00401*000024107*0*P*>~
```

GS – Functional Group Header

Usage: Mandatory

Purpose: Groups related transaction sets and provides application sender/receiver codes, date/time, group control number, and version.



Example:

GS*IN*ECRSSIS*9876543210*20250910*1154*24107*X*004010~

ST – Transaction Set Header

Usage: Mandatory

Purpose: Indicates the start of a transaction set and assigns a control number.

Fields:

□ - ST01: Transaction Set Identifier Code (810)

□ - ST02: Transaction Set Control Number

Example:

ST*810*241070001~

BIG – Beginning Segment for Invoice

Usage: Mandatory

Purpose: Indicates the beginning of the invoice and transmits identifying numbers and dates.

Fields:

□ - BIG01: Invoice Date (YYYYMMDD)

□ - BIG02: Invoice Number

□ - BIG04: Purchase Order Number



Example:

BIG*20250910*8447900**100012345***CR~

N1 – Name

Usage: Mandatory

Purpose: Identifies a party by type of organization, name, and code.

Fields:

- - N101: Entity Identifier Code (e.g., ST)
- - N102: Name (e.g., ECRS)
- - N103: Identification Code Qualifier (e.g., 91)
- - N104: Identification Code (Account Number, Ship-To Number)

Example:

N1*ST*ECRS*91*9876543210~

N3 – Address Information

Usage: Optional

Purpose: Provides address information.

Fields:

- - N301: Street Address

Example:

N3*123 Main Street~

N4 – Geographic Location

Usage: Optional

Purpose: Provides geographic location information.

Fields:

- - N401: City Name
- - N402: State or Province Code
- - N403: Postal Code

Example:

N4*Boone*NC*28607~

IT1 – Baseline Item Data (Invoice)

Usage: Mandatory

Purpose: Specifies basic line-item data.

Fields:

- - IT102: Quantity Invoiced
- - IT103: Unit of Measurement Code (EA, CS)
- - IT104: Unit Cost
- - IT106: Product ID Qualifier, UPC (UP)
- - IT107: Product ID, UPC
- - IT108: Product ID Qualifier, Vendor Code (VC)
- - IT109: Product ID, Vendor Code



Example:

ITI**1*EA*3.04**UP*037000458685*VC*3548047~

PID – Product/Item Description

Usage: Optional

Purpose: Describes the product.

Fields:

□ - PID01: F (free-form text indicator)

□ - PID05: Product Description

Example:

PID*F***CREST VIVID WHT 4.1OZ RFRS MNT~

PO4 – Item Physical Details

Usage: Optional

Purpose: Specifies item pack size.

Fields:

□ - PO402: Item Pack Size

Example:

PO4**4~



SAC – Service, Promotion, Allowance, or Charge Information

Usage: Optional

Purpose: Specifies charges or allowances.

□ - After PO4 for item-level allowances or charges.

□ - After TDS for summary-level allowances or charges.

Fields:

□ - SAC01: Value type (e.g., A for Allowance, C for Charge)

□ - SAC02: Service, Promotion, Allowance, or Charge Code (e.g., D240 = Freight Charge)

□ - SAC05: Monetary Value Amount

Example:

SAC*C*D240***500~

SAC*C*A260***100~

TDS – Total Monetary Value Summary

Usage: Mandatory

Purpose: Specifies total invoice amount.

Fields:

□ - TDS01: Total invoice amount (e.g., 1580 = \$15.80)

Example:

TDS*1580~



CTT – Transaction Totals

Usage: Mandatory

Purpose: Provides the count of line items in the transaction set.

Fields:

□ - CTT01: Number of Line Items

Example:

CTT*4~

SE – Transaction Set Trailer

Usage: Mandatory

Purpose: Indicates the end of the transaction set and provides the count of transmitted segments.

Fields:

□ - SE01: Number of Included Segments

□ - SE02: Transaction Set Control Number

Example:

SE*29*241070001~

GE/IEA – Group/Interchange Trailers

Usage: Mandatory

Purpose: Marks the end of the functional group/interchange.



Example:

GE*1*24107~

IEA*1*000024107~