

ECRS 856 Shipment Notice Specification • Version 2.0

Overview:

This document defines the structure and usage of the 856 Ship Notice 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*123456789 *ZZ*ECRSSIS  
*250908*1855*U*00401*000010836*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*SH*123456789*ECRSSIS*20250908*1855*10836*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 (856)

-**ST02:** Transaction Set Control Number

Example:

ST*856*108360001~

BSN – Beginning Segment for Ship Notice

Usage: Mandatory

Purpose: Transmits identifying numbers, dates, and other basic data relating to the transaction set.

Fields:

-**BSN01:** Transaction Set Purpose Code (e.g., 00)

-**BSN02:** Shipment Identification

-**BSN03:** Date (CCYYMMDD)

-**BSN04:** Time (HHMM)

Example:

BSN*00*04130520100331131*20250908*1855~

DTM – Date/Time Reference

Usage: Optional

Purpose: Specifies pertinent dates and times related to the shipment or transaction.

Fields:

- **-DTM01:** Date/Time Qualifier (e.g., '009' for Shipment Date)
- **-DTM02:** Date (CCYYMMDD, e.g., 20250908 for September 8, 2025)
- **-DTM03:** Time (optional, HHMM format if present)

Example:

DTM*009*20250908~

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

Example:

N1*ST*ECRS*91*9876543210~

N3 – Address Information

Usage: Optional

Purpose: Provides address information.

Fields:

- - **N301**: Address Information

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~

HL – Hierarchical Level

Usage: Mandatory

Purpose: Identifies dependencies among and the content of hierarchically related groups of data segments.

Fields:

- **-HL01:** Hierarchical ID Number (unique number for each HL segment, e.g., 4)
- **-HL02:** Hierarchical Parent ID Number (ID of the parent HL segment, e.g., 3)
- **-HL03:** Hierarchical Level Code (e.g., 'I' for Item, 'S' for Shipment, 'O' for Order, 'P' for Package)

Example:

HL*4*3*I~

PRF – Purchase Order Reference

Usage: Mandatory

Purpose: Provides reference to a specific purchase order.

Fields:

- **-PRF01:** Purchase Order Number (e.g., 1000648)

- **-PRF04:** Date (CCYYMMDD, e.g., 20250908)

Example:

PRF*1000648**20250908~

MAN – Marks and Numbers

Usage: Optional

Purpose: Indicates identifying marks and numbers for shipping containers.

Fields:

- **-MAN01:** Marks and Numbers Qualifier (e.g., 'GM' for GM label)
- **-MAN02:** Marks and Numbers (e.g., the actual container or package number)

Example:

MAN*GM*00300962952469520044~

LIN – Item Identification

Usage: Mandatory

Purpose: Specifies basic item identification data.

Fields:

- LIN01:** Assigned Identification (Line Item Number)
- LIN02:** Product/Service ID Qualifier (e.g., VC for Vendor Code)



-**LIN03**: Product/Service ID (Vendor Code)

-**LIN04**: Product/Service ID Qualifier (e.g., UP for UPC)

-**LIN05**: Product/Service ID (UPC)

Example:

LIN*1*VC*2851699*UP*037000458685~

SN1 – Item Detail (Shipment)

Usage: Mandatory

Purpose: Specifies line-item detail relative to shipment.

Fields:

-**SN101**: Assigned Identification

-**SN102**: Number of Units Shipped

-**SN103**: Unit or Basis for Measurement Code (e.g., EA for Each, CS for Case)

-**SN105**: Quantity Ordered

-**SN106**: Unit or Basis for Measurement Code

Example:

SN1**1*EA**1*EA~



PID – Product/Item Description

Usage: Optional

Purpose: Describes the item in free-form format.

Fields:

-**PID01:** Item Description Type (e.g., F for Free-form)

-**PID05:** Description

Example:

PID*F***Charmin Ultra Soft Bath Tissue~

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~