**856 Advanced Ship Notice**

### X12/V4010/856: 856 Advanced Ship Notice

**Company: ODL**

**Modified: 5/24/2023**

**Notes: Initial version**

# 856 - Ship Notice/Manifest v004010

## The Transaction Set Table

| **Area** | **Sequence** | **Segment ID** | **Segment Name** | **Requirement** | **Maximum Use** |
| --- | --- | --- | --- | --- | --- |
|  |  | **ISA** | ISA \_ Interchange Control Header | M | 1 |
| | Loop Name : FunctionalGroup , Requirement : M | | | | | | | --- | --- | --- | --- | --- | --- | |  |  | **GS** | GS \_ Functional Group Header | M | 1 | | | Loop Name : TS\_856 , Requirement : M | | | | | | | --- | --- | --- | --- | --- | --- | | H | 010 | **ST** | Transaction Set Header | M | 1 | | H | 020 | **BSN** | Beginning Segment for Ship Notice | M | 1 | | | Loop Name : Loop\_HL\_44563 , Requirement : M, Loop Level : 1, Loop Repeat : 200000, Loop Identifier : HL | | | | | | | --- | --- | --- | --- | --- | --- | | B | 010 | **HL** | Hierarchical Level | M | 1 | | B | 020 | **LIN** | Item Identification | O | 1 | | B | 030 | **SN1** | Item Detail (Shipment) | O | 1 | | B | 050 | **PRF** | Purchase Order Reference | O | 1 | | B | 110 | **TD1** | Carrier Details (Quantity and Weight) | O | 20 | | B | 120 | **TD5** | Carrier Details (Routing Sequence/Transit Time) | O | 12 | | B | 150 | **REF** | Reference Identification | O | -1 | | B | 190 | **MAN** | Marks and Numbers | O | -1 | | B | 200 | **DTM** | Date/Time Reference | O | 10 | | | Loop Name : Loop\_N1\_44566 , Requirement : O, Loop Level : 2, Loop Repeat : 200, Loop Identifier : N1 | | | | | | | --- | --- | --- | --- | --- | --- | | B | 220 | **N1** | Name | O | 1 | | B | 240 | **N3** | Address Information | O | 2 | | B | 250 | **N4** | Geographic Location | O | 1 | | | | | | | | | | | | | | F | 010 | **CTT** | Transaction Totals | O | 1 | | F | 020 | **SE** | Transaction Set Trailer | M | 1 | | | | | | | |  |  | **GE** | GE \_ Functional Group Trailer | M | 1 | | | | | | |
|  |  | **IEA** | IEA \_ Interchange Control Trailer | O | 1 |

### **ISA - ISA \_ Interchange Control Header**

| **Sequence** | **Data Element Number** | **Data Element Name** | **Data Element Type** | **Requirement** | **Minimum Length** | **Maximum Length** |
| --- | --- | --- | --- | --- | --- | --- |
| **01** | I01 | Authorization Information Qualifier | ID | M | 2 | 2 |
| | **Code** | **Code Description** | | --- | --- | | 00 | No Authorization Information Present (No Meaningful Information in I02) | | |  |  |  |  |  |
| **02** | I02 | Authorization Information | AN | M | 10 | 10 |
| **03** | I03 | Security Information Qualifier | ID | M | 2 | 2 |
| Code: Any Value | |  |  |  |  |  |
| **04** | I04 | Security Information | AN | M | 10 | 10 |
| **05** | I05 | Interchange ID Qualifier | ID | M | 2 | 2 |
| | **Code** | **Code Description** | | --- | --- | | 01 | Duns (Dun & Bradstreet) | | |  |  |  |  |  |
| **06** | I06 | Interchange Sender ID | AN | M | 15 | 15 |
| Comment: | **Trading Partner Sender ID** | | | | | | |
| **07** | I05 | Interchange ID Qualifier | ID | M | 2 | 2 |  |
| | **Code** | **Code Description** | | --- | --- | | 01 | Duns (Dun & Bradstreet) | | |  |  |  |  |  |  |
| **08** | I07 | Interchange Receiver ID | AN | M | 15 | 15 |  |
| Comment: | **067888030** | | | | | | |
| **09** | I08 | Interchange Date | DT | M | 6 | 6 |  |
| Comment: | **YYMMDD** | | | | | | |
| **10** | I09 | Interchange Time | TM | M | 4 | 4 |  |
| Comment: | **HHMM** | | | | | | |
| **11** | I10 | Interchange Control Standards Identifier | ID | M | 1 | 1 |  |
| | **Code** | **Code Description** | | --- | --- | | U | U.S. EDI Community of ASC X12, TDCC, and UCS | | |  |  |  |  |  |  |
| **12** | I11 | Interchange Control Version Number | ID | M | 5 | 5 |  |
| | **Code** | **Code Description** | | --- | --- | | 00401 | Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997 | | |  |  |  |  |  |  |
| **13** | I12 | Interchange Control Number | N0 | M | 9 | 9 |  |
| Comment: | **ISA Control Number** | | | | | | |
| **14** | I13 | Acknowledgment Requested | ID | M | 1 | 1 |  |
| | **Code** | **Code Description** | | --- | --- | | 0 | No Acknowledgment Requested | | |  |  |  |  |  |  |
| **15** | I14 | Usage Indicator | ID | M | 1 | 1 |  |
| | **Code** | **Code Description** | | --- | --- | | P | Production Data | | |  |  |  |  |  |  |
| **16** | I15 | Component Element Separator | string | M | 1 | 1 |  |
| Comment: | **^** | | | | | | |

### **Example:**

### ISA\*00\* \*00\* \* ZZ\*TPISAID \*01\*067888030 \*230525\*1604\*U\*00401\*315435349\*0\*P\*^~

### **GS - GS \_ Functional Group Header**

| **Sequence** | **Data Element Number** | **Data Element Name** | **Data Element Type** | **Requirement** | **Minimum Length** | **Maximum Length** |
| --- | --- | --- | --- | --- | --- | --- |
| **01** | 479 | Functional Identifier Code | ID | M | 2 | 2 |
| | **Code** | **Code Description** | | --- | --- | | SH | Ship Notice/Manifest (856) | | |  |  |  |  |  |
| **02** | 142 | Application Sender's Code | AN | M | 2 | 15 |
| Comment: | **TPFunctionalID Sender ID** | | | | | | |
| **03** | 124 | Application Receiver's Code | AN | M | 2 | 15 |  |
| Comment: | **057499049** | | | | | | |
| **04** | 373 | Date | DT | M | 8 | 8 |  |
| Comment: | **YYYYMMDD** | | | | | | |
| **05** | 337 | Time | TM | M | 4 | 8 |  |
| **06** | 28 | Group Control Number | N0 | M | 1 | 9 |  |
| Comment: | **GS Control Number** | | | | | | |
| **07** | 455 | Responsible Agency Code | ID | M | 1 | 2 |  |
| | **Code** | **Code Description** | | --- | --- | | X | Accredited Standards Committee X12 | | |  |  |  |  |  |  |
| **08** | 480 | Version / Release / Industry Identifier Code | AN | M | 1 | 12 |  |
| Comment: | **004010** | | | | | | |

### **Example:**

### GS\*IN\* TPFunctionalID\*006410781\*20230525\*160455\*620202948\*X\*004010~

### **ST - Transaction Set Header**

| **Sequence** | **Data Element Number** | **Data Element Name** | **Data Element Type** | **Requirement** | **Minimum Length** | **Maximum Length** |
| --- | --- | --- | --- | --- | --- | --- |
| **01** | 143 | Transaction Set Identifier Code | ID | M | 3 | 3 |
| | **Code** | **Code Description** | | --- | --- | | 856 | Ship Notice/Manifest | | |  |  |  |  |  |
| **02** | 329 | Transaction Set Control Number | AN | M | 4 | 9 |
| Comment: | ST Control Number | | | | | |

### **Example:**

### ST\*856\*0001~

### **BSN - Beginning Segment for Ship Notice**

| **Sequence** | **Data Element Number** | **Data Element Name** | **Data Element Type** | **Requirement** | **Minimum Length** | **Maximum Length** |
| --- | --- | --- | --- | --- | --- | --- |
| **01** | 353 | Transaction Set Purpose Code | ID | M | 2 | 2 |
| | **Code** | **Code Description** | | --- | --- | | 00 | Original | | |  |  |  |  |  |
| **02** | 396 | Shipment Identification | AN | M | 2 | 30 |
| Comment: | **Supplier Shipment ID** | | | | | | |
| **03** | 373 | Date | DT | M | 8 | 8 |  |
| Comment: | **Shipment Date (YYYYMMDD)** | | | | | | |
| **04** | 337 | Time | TM | M | 4 | 8 |  |
| Comment: | **Shipment Date (HHMM)** | | | | | | |
| **05** | 1005 | Hierarchical Structure Code | ID | O | 4 | 4 |  |
| | **Code** | **Code Description** | | --- | --- | | 0001 | Shipment,  Order,  Packaging,  Item | | |  |  |  |  |  |  |

###### Syntax Notes:

* C0706 - Conditional Condition. If BSN\_07 is present, then all of { BSN\_06 } is required

### **Example:**

### BSN\*00\*564912340\*20230525\*121838123\*0001~

### **HL - Hierarchical Level**

| **Sequence** | **Data Element Number** | **Data Element Name** | **Data Element Type** | **Requirement** | **Minimum Length** | **Maximum Length** |
| --- | --- | --- | --- | --- | --- | --- |
| **01** | 628 | Hierarchical ID Number | AN | M | 1 | 12 |
| Comment: | **Sequential Number of HL** | | | | | | |
| **02** | 734 | Hierarchical Parent ID Number | AN | O | 1 | 12 |  |
| Comment: | **HL Parent ID Number** | | | | | | |
| **03** | 735 | Hierarchical Level Code | ID | M | 1 | 2 |  |
| | **Code** | **Code Description** | | --- | --- | | S | Shipment | | O | Order | | P | Pack | | I | Item | | |  |  |  |  |  |  |
| **04** | 736 | Hierarchical Child Code | ID | O | 1 | 1 |  |
| | **Code** | **Code Description** | | --- | --- | | 0 | No Subordinate HL Segment in This Hierarchical Structure. | | 1 | Additional Subordinate HL Data Segment in This Hierarchical Structure. | | |  |  |  |  |  |  |

### **Example:**

### HL\*1\*\*S~

### HL\*2\*1\*O~

### HL\*3\*2\*P~

### HL\*4\*3\*I~

### **LIN - Item Identification**

| **Sequence** | **Data Element Number** | **Data Element Name** | **Data Element Type** | **Requirement** | **Minimum Length** | **Maximum Length** |
| --- | --- | --- | --- | --- | --- | --- |
| **01** | 350 | Assigned Identification | AN | O | 1 | 20 |
| Comment: | **Shipment Line Number (Matches Line Number from PO)** | | | | | | |
| **02** | 235 | Product/Service ID Qualifier | ID | M | 2 | 2 |  |
| | **Code** | **Code Description** | | --- | --- | | BP | ODL's (Buyer's) Item Number | | |  |  |  |  |  |  |
| **03** | 234 | Product/Service ID | AN | M | 1 | 48 |  |
| Comment: | **ODL Buyer Item (Part) Number** | | | | | | |

###### Syntax Notes:

* P0405 - Paired Condition. If one is present, then all of { LIN\_04, LIN\_05 } is required
* P0607 - Paired Condition. If one is present, then all of { LIN\_06, LIN\_07 } is required
* P0809 - Paired Condition. If one is present, then all of { LIN\_08, LIN\_09 } is required
* P1011 - Paired Condition. If one is present, then all of { LIN\_10, LIN\_11 } is required
* P1213 - Paired Condition. If one is present, then all of { LIN\_12, LIN\_13 } is required
* P1415 - Paired Condition. If one is present, then all of { LIN\_14, LIN\_15 } is required
* P1617 - Paired Condition. If one is present, then all of { LIN\_16, LIN\_17 } is required
* P1819 - Paired Condition. If one is present, then all of { LIN\_18, LIN\_19 } is required
* P2021 - Paired Condition. If one is present, then all of { LIN\_20, LIN\_21 } is required
* P2223 - Paired Condition. If one is present, then all of { LIN\_22, LIN\_23 } is required
* P2425 - Paired Condition. If one is present, then all of { LIN\_24, LIN\_25 } is required
* P2627 - Paired Condition. If one is present, then all of { LIN\_26, LIN\_27 } is required
* P2829 - Paired Condition. If one is present, then all of { LIN\_28, LIN\_29 } is required
* P3031 - Paired Condition. If one is present, then all of { LIN\_30, LIN\_31 } is required

### **Example:**

### LIN\*1\*BP\*10038020~

### **SN1 - Item Detail (Shipment)**

| **Sequence** | **Data Element Number** | **Data Element Name** | **Data Element Type** | **Requirement** | **Minimum Length** | **Maximum Length** |
| --- | --- | --- | --- | --- | --- | --- |
| **02** | 382 | Number of Units Shipped | R | M | 1 | 10 |
| Comment: | **Number of Units Shipped** | | | | | | |
| **03** | 355 | Unit or Basis for Measurement Code | ID | M | 2 | 2 |  |
| Comment: | **UOM for Units Shipped. EA or as in 850 PO** | | | | | | |
| Code: Any Value | |  |  |  |  |  |  |

###### Syntax Notes:

* P0506 - Paired Condition. If one is present, then all of { SN1\_05, SN1\_06 } is required

### **Example:**

### SN1\*\*5\*EA~

### **PRF - Purchase Order Reference**

| **Sequence** | **Data Element Number** | **Data Element Name** | **Data Element Type** | **Requirement** | **Minimum Length** | **Maximum Length** |
| --- | --- | --- | --- | --- | --- | --- |
| **01** | 324 | Purchase Order Number | AN | M | 1 | 22 |
| Comment: | **PO Number** | | | | | | |
| **04** | 373 | Date | DT | O | 8 | 8 |  |
| Comment: | **PO Date** | | | | | | |

### **Example:**

### PRF\* ODL OrderNumber \*\*\*20200226~

### **TD1 - Carrier Details (Quantity and Weight)**

| **Sequence** | **Data Element Number** | **Data Element Name** | **Data Element Type** | **Requirement** | **Minimum Length** | **Maximum Length** |
| --- | --- | --- | --- | --- | --- | --- |
| **01** | 103 | Packaging Code | AN | O | 3 | 5 |
| Comment: | **CTN or other packing code** | | | | | | |
| **02** | 80 | Lading Quantity | N0 | C | 1 | 7 |  |
| Comment: | **Total Number of Units on Shipment** | | | | | | |
| **06** | 187 | Weight Qualifier | ID | O | 1 | 2 |  |
| | **Code** | **Code Description** | | --- | --- | | G | Gross Weight | | |  |  |  |  |  |  |
| **07** | 81 | Weight | R | C | 1 | 10 |  |
| Comment: | **Weight** | | | | | | |
| **08** | 355 | Unit or Basis for Measurement Code | ID | C | 2 | 2 |  |
| | **Code** | **Code Description** | | --- | --- | | LB | Pound | | |  |  |  |  |  |  |

###### Syntax Notes:

* C0102 - Conditional Condition. If TD1\_01 is present, then all of { TD1\_02 } is required
* C0304 - Conditional Condition. If TD1\_03 is present, then all of { TD1\_04 } is required
* C0607 - Conditional Condition. If TD1\_06 is present, then all of { TD1\_07 } is required
* P0708 - Paired Condition. If one is present, then all of { TD1\_07, TD1\_08 } is required
* P0910 - Paired Condition. If one is present, then all of { TD1\_09, TD1\_10 } is required

### **Example:**

### TD1\*CTN25\*1\*\*\*\*G\*0\*LB~

### **TD5 - Carrier Details (Routing Sequence/Transit Time)**

| **Sequence** | **Data Element Number** | **Data Element Name** | **Data Element Type** | **Requirement** | **Minimum Length** | **Maximum Length** |
| --- | --- | --- | --- | --- | --- | --- |
| **02** | 66 | Identification Code Qualifier | ID | C | 1 | 2 |
| | **Code** | **Code Description** | | --- | --- | | 2 | Standard Carrier Alpha Code (SCAC) | | |  |  |  |  |  |
| **03** | 67 | Identification Code | AN | C | 2 | 80 |
| Comment: | **Carrier SCAC** | | | | | |

###### Syntax Notes:

* R0204050612 - Required Condition. At least one of { TD5\_02, TD5\_04, TD5\_05, TD5\_06, TD5\_12 } is required
* C0203 - Conditional Condition. If TD5\_02 is present, then all of { TD5\_03 } is required
* C0708 - Conditional Condition. If TD5\_07 is present, then all of { TD5\_08 } is required
* C1011 - Conditional Condition. If TD5\_10 is present, then all of { TD5\_11 } is required
* C1312 - Conditional Condition. If TD5\_13 is present, then all of { TD5\_12 } is required
* C1413 - Conditional Condition. If TD5\_14 is present, then all of { TD5\_13 } is required
* C1512 - Conditional Condition. If TD5\_15 is present, then all of { TD5\_12 } is required

### **Example:**

### TD5\*\*2\*FEDX~

### **REF - Reference Identification**

| **Sequence** | **Data Element Number** | **Data Element Name** | **Data Element Type** | **Requirement** | **Minimum Length** | **Maximum Length** |
| --- | --- | --- | --- | --- | --- | --- |
| **01** | 128 | Reference Identification Qualifier | ID | M | 2 | 3 |
| | **Code** | **Code Description** | | --- | --- | | BM | Bill of Lading Number | | |  |  |  |  |  |
| **02** | 127 | Reference Identification | AN | C | 1 | 30 |
| Comment: | **Bill of Lading Number** | | | | | |

###### Syntax Notes:

* R0203 - Required Condition. At least one of { REF\_02, REF\_03 } is required

### **Example:**

### REF\*BM\*5649512341~

### **MAN - Marks and Numbers**

| **Sequence** | **Data Element Number** | **Data Element Name** | **Data Element Type** | **Requirement** | **Minimum Length** | **Maximum Length** |
| --- | --- | --- | --- | --- | --- | --- |
| **01** | 88 | Marks and Numbers Qualifier | ID | M | 1 | 2 |
| | **Code** | **Code Description** | | --- | --- | | GM | SSCC-18 and Application Identifier | | |  |  |  |  |  |
| **02** | 87 | Marks and Numbers | AN | M | 1 | 48 |

###### Syntax Notes:

* P0405 - Paired Condition. If one is present, then all of { MAN\_04, MAN\_05 } is required
* C0605 - Conditional Condition. If MAN\_06 is present, then all of { MAN\_05 } is required

### **Example:**

### MAN\*GM\*6278105801~

### **DTM - Date/Time Reference**

| **Sequence** | **Data Element Number** | **Data Element Name** | **Data Element Type** | **Requirement** | **Minimum Length** | **Maximum Length** |
| --- | --- | --- | --- | --- | --- | --- |
| **01** | 374 | Date/Time Qualifier | ID | M | 3 | 3 |
| | **Code** | **Code Description** | | --- | --- | | 011 | Shipped Date | | 002 | Delivery Date | | |  |  |  |  |  |
| **02** | 373 | Date | DT | C | 8 | 8 |
| Comment: | **Shipped Date**  **Delivery Date** | | | | | |

###### Syntax Notes:

* R020305 - Required Condition. At least one of { DTM\_02, DTM\_03, DTM\_05 } is required
* C0403 - Conditional Condition. If DTM\_04 is present, then all of { DTM\_03 } is required
* P0506 - Paired Condition. If one is present, then all of { DTM\_05, DTM\_06 } is required

### **Example:**

### DTM\*011\*20230525~

### **N1 - Name**

| **Sequence** | **Data Element Number** | **Data Element Name** | **Data Element Type** | **Requirement** | **Minimum Length** | **Maximum Length** |
| --- | --- | --- | --- | --- | --- | --- |
| **01** | 98 | Entity Identifier Code | ID | M | 2 | 3 |
| | **Code** | **Code Description** | | --- | --- | | SF | Ship From | | ST | Ship To | | |  |  |  |  |  |
| **02** | 93 | Name | AN | C | 1 | 60 |
| Comment : | **Ship To Name**  **Ship From Name** | | | | | | |
| **03** | 66 | Identification Code Qualifier | ID | C | 1 | 2 |  |
| | **Code** | **Code Description** | | --- | --- | | 91 | Assigned by Seller or Seller's Agent | | 92 | Assigned by Buyer or Buyer's Agent | | |  |  |  |  |  |  |
| **04** | 67 | Identification Code | AN | C | 2 | 80 |  |
| Comment: | **Ship To ID (ODL location number)**  **Ship From ID** | | | | | | |

###### Syntax Notes:

* R0203 - Required Condition. At least one of { N1\_02, N1\_03 } is required
* P0304 - Paired Condition. If one is present, then all of { N1\_03, N1\_04 } is required

### **Example:**

### N1\*ST\*ODL Zeeland\*92\*0013~

### N1\*SF\*SUPPLIER SHIP FROM\*91\*IL~

### **N3 - Address Information**

| **Sequence** | **Data Element Number** | **Data Element Name** | **Data Element Type** | **Requirement** | **Minimum Length** | **Maximum Length** |
| --- | --- | --- | --- | --- | --- | --- |
| **01** | 166 | Address Information | AN | M | 1 | 55 |
| Comment: | **Ship From Address** | | | | | |

### **Example:**

### N3\*115 WHICH WAY RD\*Suite B~

### **N4 - Geographic Location**

| **Sequence** | **Data Element Number** | **Data Element Name** | **Data Element Type** | **Requirement** | **Minimum Length** | **Maximum Length** |
| --- | --- | --- | --- | --- | --- | --- |
| **01** | 19 | City Name | AN | O | 2 | 30 |
| Comment: | **Ship From City** | | | | | | |
| **02** | 156 | State or Province Code | ID | O | 2 | 2 |  |
| Comment: | **Ship From State** | | | | | | |
| **03** | 116 | Postal Code | ID | O | 3 | 15 |  |
| Comment: | **Ship From Postal Code** | | | | | | |
| **04** | 26 | Country Code | ID | O | 2 | 3 |  |
| Comment: | **Ship From Country** | | | | | | |

###### Syntax Notes:

* C0605 - Conditional Condition. If N4\_06 is present, then all of { N4\_05 } is required

### **Example:**

### N4\*Boling\*IL\*60333\*US

### **CTT - Transaction Totals**

| **Sequence** | **Data Element Number** | **Data Element Name** | **Data Element Type** | **Requirement** | **Minimum Length** | **Maximum Length** |
| --- | --- | --- | --- | --- | --- | --- |
| **01** | 354 | Number of Line Items | N0 | M | 1 | 6 |

###### Syntax Notes:

* P0304 - Paired Condition. If one is present, then all of {CTT\_03, CTT\_04} is required
* P0506 - Paired Condition. If one is present, then all of {CTT\_05, CTT\_06} is required

### **Example:**

### CTT\*4~

### **SE - Transaction Set Trailer**

| **Sequence** | **Data Element Number** | **Data Element Name** | **Data Element Type** | **Requirement** | **Minimum Length** | **Maximum Length** |
| --- | --- | --- | --- | --- | --- | --- |
| **01** | 96 | Number of Included Segments | N0 | M | 1 | 10 |
| Comment: | **Number of Line Items - HL** | | | | | | |
| **02** | 329 | Transaction Set Control Number | AN | M | 4 | 9 |  |
| Comment: | **ST Control Number - Matches ST Control Number** | | | | | | |

### **Example:**

### SE\*20\*0001~

### **GE - GE \_ Functional Group Trailer**

| **Sequence** | **Data Element Number** | **Data Element Name** | **Data Element Type** | **Requirement** | **Minimum Length** | **Maximum Length** |
| --- | --- | --- | --- | --- | --- | --- |
| **01** | 97 | Number of Transaction Sets Included | N0 | M | 1 | 6 |
| Comment: | **Number of Transaction Sets (ST/SE pairs)** | | | | | | |
| **02** | 28 | Group Control Number | N0 | M | 1 | 9 |  |
| Comment: | **Group Control Number - Matches GS Control Number** | | | | | | |

### **Example:**

### GE\*1\*13555780~

### **IEA - IEA \_ Interchange Control Trailer**

| **Sequence** | **Data Element Number** | **Data Element Name** | **Data Element Type** | **Requirement** | **Minimum Length** | **Maximum Length** |
| --- | --- | --- | --- | --- | --- | --- |
| **01** | I16 | Number of Included Functional Groups | N0 | M | 1 | 5 |
| Comment: | **Number of Functional Groups - GS/GE Pair** | | | | | | |
| **02** | I12 | Interchange Control Number | N0 | M | 9 | 9 |  |
| Comment: | **Matches ISA Control Number** | | | | | | |

### **Example:**

IEA\*1\*013555779~