LOWE'S EDI

856 Advance Ship Notice

Version: 004010

Author:	**Lowe's Companies, Inc.**
Modified:	**9/21/2015**
Notes:	**This 856 Implementation Guide includes the ASN EDI data requirements for all types of shipments to Lowe's facilities. Also use the ASN EDI Business Examples and the ASN EDI Best Practices documents on LowesLink to ensure your ASN data is accurate and timely. For FDC vendors, also reference the FDC EDI ASN Specifications Supplement on LowesLink.**

Table of Contents

856 | Ship Notice/Manifest

Functional Group=SH

Purpose: This document includes the 856 Advance Ship Notice (ASN) data requirements for reporting all shipments to Lowe's stores, regional distribution centers (RDCs), and flatbed distribution centers (FDCs) for all purchase orders, including direct-to-Store, direct-to-DC, vendor prepared cross-dock purchase orders for RDCs, and FDC consignment purchase orders.   For FDC vendors, also reference specific FDC EDI ASN requirements outlined in the FDC EDI ASN Specifications Supplement on www.loweslink.com, under the EDI tab.

ORDER TYPES
An ASN should be sent to Lowe's for these types of purchase orders:
  • stock orders,
  • consignment orders,
  • vendor prepared cross-dock orders (excluding EDI 856 ASN for FDC cross-dock shipments)
     Please reference Lowe's Partnership Manual for instructions on sending the manual ASN spreadsheet for both RDC and FDC
vendor prepared cross-dock orders.   This is required in addition to the EDI 856 ASN for RDC Vendor Prepared Cross-Dock Shipments.
  • free goods,
  • promotional orders,
  • display orders, and
  • shipments that are prepaid and collect.

ASNs should be sent to Lowe's only for shipments to a Lowe's facility.   ASNs should not be sent to Lowe's for product a trading partner sends to a consolidator to ship to Lowe's.

If a trading partner is outsourcing their shipments to Lowe's, either the trading partner or third party must provide the ASN shipment data to Lowe's.   Ultimately, the trading partner is responsible for making certain that Lowe's receives ASN shipment data for all shipments they are responsible for shipping.

Lowe's does not currently require the ASN to be submitted for these types of orders.
• Ocean Import - ASNs for ocean import orders should be exchanged with GXS.   You will not be required to also submit an ASN directly to Lowe's.

• SOS - Lowe's does not currently require an ASN for special orders (SOS orders) shipped to a Lowe's location or shipped directly to a Lowe's customer.   If your system will not allow you to eliminate the ASN for SOS shipments, we will process and validate the data.

• Live Plants - If you are currently shipping live plants to Lowe's, those shipments do not currently require an ASN to be submitted.

• Reverse Purchase Order - If you are sending Lowe's a reverse purchase order, those shipments do not require an ASN; however, any orders you receive from Lowe's will require an ASN such as new store purchase orders.

• Repair product purchase orders - An ASN is not required for repair product purchase orders.

• Sample product purchase orders - An ASN is not required for Sample product purchase orders.   It is optional to send the ASN and apply the GS1-128 label.   If your system will not allow you to eliminate the ASN for Sample purchase order shipments, we will process and validate the data.

TYPES OF ASNs
The ASN is a key EDI document that allows Lowe's to plan for the receipt of shipments from your company.   Lowe's receives ASNs in two primary formats.   Please review the following information along with the section on EDI 856 ASN Business Rules to determine the type of ASN required from your company.

• The first format is a "Detail ASN with GS1-128 bar code labels".   The Detail ASN enables the use of GS1-128 bar code labels to uniquely identify which items are shipped on a pallet.   All pallets require the GS1-128 bar code label to be applied to each palletized ship unit and that information to be communicated in the Detail ASN.   For information on Lowe's GS1-128 Serial Shipping Container Code labeling requirements, view Lowe's Bar Code Guidelines located on www.loweslink.com under the Partner Information tab.

• The second format is called a "Summary ASN" where the supplier provides the shipment information and the total quantity shipped for each line item.   The GS1-128 bar code label is not required for this format.

• For FDC shipments, also reference the FDC EDI ASN Specifications Supplement on www.loweslink.com, under the EDI tab, for information on the ASN requirements for FDC truck consignment shipments.

EDI 856 ASN BUSINESS RULES
• Shipping on Pallets – Each pallet requires a unique GS1-128 label; the master cartons or individual items on the pallets do not require a GS1-128 label.   ** This rule applies to pallets with single SKU (same item/model number on pallet) and mixed SKU (different item/model numbers on pallet). **

• Shipping in Cartons Only – A Summary ASN is required (no GS1-128 labels).

• Shipping one PO with Both Pallets & Cartons that are Non-Palletized (floor-loaded cartons) – A Summary ASN is required (no GS1-128 labels).

• Shipping Multiple Purchase Orders on one Pallet – Each individual sub-pallet (quarter pallet) that represents a different PO, should have its own unique GS1-128 bar code label and individual EDI 856 ASN sent to Lowe's; one EDI ASN for each PO.

• Slip Sheet Units – Each ship unit separated by a slip sheet requires its own GS1-128 label affixed to the outside of the shrink wrap.   For example, for a ship unit with three slip sheets, there will be a unique GS1-128 label applied to each layer.   A total of three unique GS1-128 labels would be applied and communicated in the same EDI ASN for one PO.   If different Purchase Orders are represented per slip sheet, send one ASN for each slip sheet per PO with its unique GS1-128 label.

ONE PO PER ASN
Each ASN can contain only one purchase order, even when multiple orders are being delivered to one location.   Multiple ASNs can be transmitted within one interchange, but only one ASN for one order can be included within an ST Transaction Loop.

TIMING
The ASN should be sent to Lowe's as soon as the truck is sealed or before the shipment leaves the vendor's facility.   It is preferred the ASN arrive at least one day prior to delivery in most cases.   For FDC vendors, also reference the FDC EDI ASN Specifications Supplement on www.loweslink.com, under the EDI tab, for information on the timeliness of the ASN for FDC shipments.

ORIGINAL & REPLACEMENT ASNs
Lowe's prefers to receive one Original ASN for a purchase order that is accurate and timely.   If a change needs to be made to the Original ASN that was transmitted to Lowe's or the Original ASN was in error, Replacement ASNs are accepted as long as they are identified as a Replacement (BSN01=05), include the same Shipment ID as the Original ASN (BSN02), and are received prior to the arrival of the shipment.   Replacement ASNs should include the information for the complete order.   After the Original ASN is transmitted, all subsequent ASNs for an order should be sent as a Replacement ASN regardless of whether the Original ASN rejected.   The same trading partner's EDI ID is required on Original and Replacement ASNs.

856 ASN DATA ERRORS
With the exception of ASNs sent for Lowe's Mexico, the 824 Application Advice EDI document in version 004060 will be used to transmit 856 ASN EDI/application data errors to Lowe's trading partners.

• If you receive an 824, be sure to acknowledge the transaction with an EDI 997 document within 72 hours from receiving the 824.

• If an ASN is rejected (OTI01=TR), a Replacement ASN is required within 24 hours of the rejected status being communicated to your company via the EDI 824 document.

BUSINESS EXAMPLES & BEST PRACTICES
• Business Examples -   Various examples of 856 data are available for your review on www.loweslink.com under the EDI tab.

• Best Practices - Please review the Best Practices and Common Errors listed in the 856 section and 824 section on www.loweslink.com, under the EDI tab.

997 FUNCTIONAL ACKNOWLEDGMENT
• Received from Vendors - Lowe's requires a 997 Functional Acknowledgment (either summary or detail level) for the 824 to be returned within 72 hours of transmission of the 824 document.   The 997 should be sent in version 004010 or 004060.

• Sent to Vendors - Lowe's will return a 997 Functional Acknowledgment for the 856 ASN within 30 minutes of receiving the EDI document. If you do not receive a 997, this means Lowe's did not receive the 856.   The 997 will be sent at summary level (including AK1 and AK5) in version 004010 when the 856 is acceptable.   If there are data discrepancies with the 856 data, the 997 may indicate the 856 was Accepted

but the 824 will include the data discrepancies.   The 997 will be sent at detail level in version 004010 when the 856 data has Errors or is Rejected.   Both the 997 and 824 documents should be used to address any data discrepancies with the 856.

EDI SCHEDULE

Lowe's will retrieve the 856 EDI documents with our inbound run times, and the 824 EDI documents will be transmitted with our outbound run times.   The inbound/outbound transmission times are listed on Lowe's Quick Reference sheet which can be viewed on www.loweslink.com, click EDI, select EDI Specifications and Business Examples, and select EDI Quick Reference.

DATA STRUCTURE FOR ASNs

There are two possible data structures for the ASNs that can be sent to Lowe's.   They include:

1) For pallets - Detail ASN with GS1-128 labeling at the Pallet level, including Shipment/Order/Tare/Item ASN hierarchical levels.

2) Summary ASN, without GS1-128 labeling, including Shipment/Order/Item ASN hierarchical levels.

The following provides an explanation on each of the hierarchical levels.   See the specific information within this document for the properties for each data field.

• Shipment Level   -   These are the fields that provide information for the entire shipment: Shipment identification number, number of pallets contained on the order, carrier identification, mode of transportation, type of trailer, trailer number for rail shipments only, master bill of lading number (if applicable), date shipped, freight method of payment, and the ship from address.

• Order Level   -   These are the fields that provide information on the purchase order: Lowe's purchase order number, bill of lading number, carrier's RPO number, the estimated arrival date for the order, the ship to location, and Lowe's vendor number.   For Vendor-Prepared Cross-dock Orders, the distribution center location would be included at the order level as well as the final destination store location.   (See definition of cross-dock orders below.)

• Tare (Pallet) Level in Detail ASN Only   -   The GS1-128 Serial Shipping Container Code should be applied to all pallets and communicated in the ASN.

• Item Level   -   Wherever possible, send the Lowe's item number for the product shipped.   If the Lowe's item number is unavailable, send the UPC bar code.   Also included at the item level are the quantity shipped and the unit of measure.   It is important the unit of measure in the ASN reflects the same unit of measure as included in the purchase order you receive from Lowe's for Lowe's owned product.   The item quantity should reflect the value sent as the unit of measure.   The item unit of measure and quantity values should reflect how Lowe's sells the goods to the consumer; it should not represent how we purchase it from your company.   For FDC vendors, also reference the FDC EDI ASN Specifications Supplement on www.loweslink.com, under the EDI tab, for information on the ASN unit of measure/quantity for consignment orders.

ADDITIONAL NOTES

All usages under the label "Req" denote X12 usages.   All usages under the label "Usage" denote Lowe's usages.

Definition of Types of Shipments:

• Vendor Prepared Cross-Dock - This is a shipping process where product is processed through a Lowe's Distribution Center and immediately placed on another truck for shipping to a Store where it is received by the Store.   For this type of transaction, the EDI document should include one ship to destination which is a Lowe's Distribution Center location, and a final destination which is a Lowe's Store location.

• Direct-to-Store - Vendor ships product directly to a Lowe's Store.   For this scenario, only one ship to destination should be included in the EDI document.

• Direct-to-DC - Vendor ships product directly to a Lowe's Distribution Center.   Only one ship to destination should be included in the EDI document.

• Consignment - Lowe's merchandising team will notify our trading partners when they are participating in our Flatbed Distribution Center Consignment Purchase Order Program.

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
001	ISA	Interchange Control Header	M	1			Mandatory
002	GS	Functional Group Header	M	1			Mandatory

| 010 | ST | Transaction Set Header | M | 1 | | | Mandatory |
| 020 | BSN | Beginning Segment for Ship Notice - at Header Level | M | 1 | | | Mandatory |

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - HL					**1**		
010	HL	Hierarchical Level - SHIPMENT DETAIL	M	1			Mandatory
110	TD1	Carrier Details (Quantity and Weight) - at Shipment Level	O	5			Optional
120	TD5	Carrier Details (Routing Sequence/Transit Time) - at Shipment Level	O	1			Mandatory
130	TD3	Carrier Details (Equipment) - at Shipment Level	O	1			Optional
150	REF	Reference Identification - at Shipment Level	O	1			Optional
200	DTM	Date/Time Reference - at Shipment Level	O	1			Mandatory
210	FOB	F.O.B. Related Instructions - at Shipment Level	O	1			Mandatory
LOOP ID - N1					**1**		
220	N1	Name - Ship From - at Shipment Level	O	1			Mandatory
240	N3	Address Information - at Shipment Level	O	1			Optional
250	N4	Geographic Location - at Shipment Level	O	1			Optional
LOOP ID - HL					**1**		
010	HL	Hierarchical Level - ORDER DETAIL	M	1			Mandatory
050	PRF	Purchase Order Reference - at Order Level	O	1			Mandatory
150	REF	Reference Identification - at Order Level	M	3			Mandatory
200	DTM	Date/Time Reference - at Order Level	O	1			Mandatory
LOOP ID - N1					**1**		
220	N1	Name - Ship To - at Order Level	O	2			Mandatory
LOOP ID - HL					**200000**		
010	HL	Hierarchical Level - TARE (PALLET) DETAIL	M	1			Conditional
190	MAN	Marks and Numbers for Tare (Pallet) Level	O	1			Conditional
LOOP ID - HL					**200000**		
010	HL	Hierarchical Level - ITEM DETAIL	M	1			Mandatory
020	LIN	Item Identification - at Item Level	O	1			Mandatory
030	SN1	Item Detail (Shipment) - at Item Level	O	1			Mandatory

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	CTT	Transaction Totals	O	1			Mandatory
020	SE	Transaction Set Trailer	M	1			Mandatory

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage

| 021 | GE | Functional Group Trailer | M | 1 | Mandatory |
| 022 | IEA | Interchange Control Trailer | M | 1 | Mandatory |

ISA   Interchange Control Header

Pos: 001	**Max: 1**
Heading - Mandatory	
Loop: N/A	**Elements: 16**

User Option (Usage): Mandatory
Purpose: To start and identify an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
ISA01	I01	**Authorization Information Qualifier**	M	ID	2/2	Mandatory	1

CodeList Summary (Total Codes: 7, Included: 1)

Code	Name
00	No Authorization Information Present (No Meaningful Information in I02)

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
ISA02	I02	**Authorization Information**	M	AN	10/10	Mandatory	1

Please Note: This element should be filled with spaces.

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
ISA03	I03	**Security Information Qualifier**	M	ID	2/2	Mandatory	1

CodeList Summary (Total Codes: 2, Included: 1)

Code	Name
00	No Security Information Present (No Meaningful Information in I04)

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
ISA04	I04	**Security Information**	M	AN	10/10	Mandatory	1

Please Note: This element should be filled with spaces.

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
ISA05	I05	**Interchange ID Qualifier for Sender**	M	ID	2/2	Mandatory	1

All valid X12 codes are used. (Total Codes: 38)

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
ISA06	I06	**Interchange ID for Sender**	M	AN	15/15	Mandatory	1
ISA07	I05	**Interchange ID Qualifier for Lowe's**	M	ID	2/2	Mandatory	1
ISA08	I07	**Interchange Receiver ID for Lowe's**	M	AN	15/15	Mandatory	1
ISA09	I08	**Interchange Date**	M	DT	6/6	Mandatory	1
ISA10	I09	**Interchange Time**	M	TM	4/4	Mandatory	1
ISA11	I10	**Interchange Control Standards Identifier**	M	ID	1/1	Mandatory	1

All valid X12 codes are used. (Total Codes: 1)

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
ISA12	I11	**Interchange Control Version Number**	M	ID	5/5	Mandatory	1

CodeList Summary (Total Codes: 14, Included: 1)

Code	Name
00400	Standard Issued as ANSI X12.5-1997

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
ISA13	I12	**Interchange Control Number**	M	N0	9/9	Mandatory	1

Please Note: Send unique control numbers at the ISA level.   Trading partner should not repeat the ISA control numbers for any document.   This number should increment by one for each 856.

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
ISA14	I13	**Acknowledgment Requested**	M	ID	1/1	Mandatory	1

CodeList Summary (Total Codes: 2, Included: 1)

Code	Name
0	No Acknowledgment Requested

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
ISA15	I14	**Usage Indicator**	M	ID	1/1	Mandatory	1

CodeList Summary (Total Codes: 3, Included: 2)

Code	Name
P	Production Data
T	Test Data

ISA16	I15	**Component Element Separator**	M	1/1	Mandatory	1

Please Note:

One document type should be sent per interchange.   If more than one document type is included within an interchange, such as, invoices and advance ship notices within one interchange, Lowe's will process the data twice.   It is important for the trading partner to send only one document type per interchange, such as, sending only advance ship notices within an interchange.

The same trading partner's EDI ID is required on Original and Replacement ASNs.

Example:

USA/CANADA:
ISA*00*   *00*   *01*sender's id*01*006097142*981001*1700*U*00400*000000001*0*T*>

MEXICO:
ISA*00*   *00*   *01*sender's id*08*6135830008*981001*1700*U*00400*000000001*0*T*>

GS   **Functional Group Header**

Pos: 002	**Max: 1**
Heading - Mandatory	
Loop: N/A	**Elements: 8**

User Option (Usage): Mandatory
Purpose: To indicate the beginning of a functional group and to provide control information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
GS01	479	**Functional Identifier Code**	M	ID	2/2	Mandatory	1

    CodeList Summary (Total Codes: 234, Included: 1)

Code	Name
SH	Ship Notice/Manifest (856)

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
GS02	142	**Application Sender's Code**	M	AN	2/15	Mandatory	1
GS03	124	**Application Receiver's Code**	M	AN	2/15	Mandatory	1
GS04	373	**Date**	M	DT	8/8	Mandatory	1
GS05	337	**Time**	M	TM	4/8	Mandatory	1
GS06	28	**Group Control Number**	M	N0	1/9	Mandatory	1

    Please Note: Send unique control numbers at the GS level. Trading partner should not repeat the GS control numbers for any document. This number should increment by one for each 856.

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
GS07	455	**Responsible Agency Code**	M	ID	1/2	Mandatory	1

    CodeList Summary (Total Codes: 2, Included: 1)

Code	Name
X	Accredited Standards Committee X12

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
GS08	480	**Version / Release / Industry Identifier Code**	M	AN	1/12	Mandatory	1

    CodeList Summary (Total Codes: 36, Included: 1)

Code	Name
004010	Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997

Please Note:

Multiple 856's can be sent within a Group as long as they are sent within their own ST loop. If the trading partner is required to send multiple groups of 856 data within an interchange, Lowe's will process it.

The same trading partner's EDI ID is required on Original and Replacement ASNs.

Example:

USA/CANADA:
GS*SH*sender's id*006097142*20001001*1700*1*X*004010

MEXICO:
GS*SH*sender's id*6135830008*20001001*1700*1*X*004010

ST   Transaction Set Header

Pos: 010	**Max: 1**
Heading - Mandatory	
Loop: N/A	**Elements: 2**

User Option (Usage): Mandatory
Purpose: To indicate the start of a transaction set and to assign a control number

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
ST01	143	**Transaction Set Identifier Code**	M	ID	3/3	Mandatory	1

CodeList Summary (Total Codes: 298, Included: 1)

Code	Name
856	Ship Notice/Manifest

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
ST02	329	**Transaction Set Control Number**	M	AN	4/9	Mandatory	1

Please Note: Send unique control numbers at the ST level.   Trading partner should not repeat the ST control numbers for any document.   This number should increment by one for each 856.

Please Note:

Only one 856 can be sent per ST loop.   Only one Purchase Order can be included in an ASN per ST loop.

Example:

ST*856*0001

BSN

Beginning Segment for Ship Notice - at Header Level

Pos: 020   **Max: 1**
Heading - Mandatory
Loop: N/A   **Elements: 5**

User Option (Usage): Mandatory
Purpose: This segment is Mandatory for Both Detail ASNs and Summary ASNs.   It is used to transmit identifying numbers, dates, and other basic data relating to the transaction set.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
BSN01	353	**Transaction Set Purpose Code**	M	ID	2/2	Mandatory	1

CodeList Summary (Total Codes: 65, Included: 2)

Code	Name
00	Original
05	Replace

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
BSN02	396	**Shipment Identification**	M	AN	2/30	Mandatory	1

Please Note: Lowe's Owned Shipments (Lowe's issues PO) - The shipper's unique control number should be sent here, NOT the bill of lading number.   This field value can include a maximum of 30 alpha-numeric positions.   Do not zero fill.

Consignment Shipments (Vendor issues PO #) - The BSN02 should include the purchase order number assigned by the vendor that is placed on the paper shipping manifest (packing list and BOL) as the Customer PO #.   This will allow our FDCs to match the ASN to the actual shipment. This field can include a maximum of ONLY 20 alpha-numeric positions for the Consignment PO #.   Do not zero-fill.

IMPORTANT - For both Lowe's Owned and Consignment shipments, when sending Replacement ASNs (BSN01=05), the BSN02 value in the Replacement ASN must be the same as sent in the BSN02 in the Original ASN (BSN01=00).

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
BSN03	373	**Date**	M	DT	8/8	Mandatory	1

Please Note: This is the date the ASN was created.

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
BSN04	337	**Time**	M	TM	4/8	Mandatory	1

Please Note: The time the ASN was created, expressed in four digits as HHMM.

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
BSN05	1005	**Hierarchical Structure Code**	O	ID	4/4	Mandatory	1

Please Note: BSN05=0001 when   sending a Detail ASN with GS1-128 bar code labeling and including Shipment, Order, Tare, and Item ASN hierarchical levels. (Pack (master carton) level detail is not required in the EDI 856 ASN.)

BSN05=0004 when sending a Summary ASN without GS1-128 bar code labeling and including only Shipment, Order, and

Item ASN hierarchical levels.

CodeList Summary (Total Codes: 61, Included: 2)

Code	**Name**
0001	Shipment, Order, Tare, Pack, Item
0004	Shipment, Order, Item

Please Note:

The Shipment ID in the BSN02 must be unique for 2 years.

Lowe's prefers to receive one Original ASN that is accurate and timely.   When sending an Original ASN (BSN01=00), the shipment ID number in the BSN02 must be unique and repeated in each subsequent Replacement ASN (BSN01=05).   After the Original ASN is transmitted, all subsequent ASNs for an order should be sent as a Replacement ASN regardless of whether the Original ASN rejected. Replacement ASNs are accepted as long as they are identified as a replacement and are received prior to the arrival of the shipment. Replacement ASNs should be sent in its entirety to include the information for the complete order.   For Replacement ASNs, the BSN01=05 and BSN02=same value as sent in the Original ASN.   The same trading partner's EDI ID is required on Original and Replacement ASNs.

Please reference Lowe's Partnership Manual for instructions on sending the Manual ASN Spreadsheet for both RDC and FDC vendor prepared cross-dock orders.   This is required in addition to the EDI 856 ASN for RDC Vendor Prepared Cross-Dock Shipments.

FDC Shipments
An EDI 856 ASN is optional for Vendor Prepared Cross-Dock shipments.   If an ASN is transmitted to Lowe's for Cross-Dock shipments, the ASN will be validated but will not be used by Lowe's FDC facilities.   A Manual ASN Spreadsheet via email is required for all Vendor Prepared Cross-Dock shipments.

See the information given in the PRF segment for more information on the Consignment PO # for Consignment FDC shipments.

More Information on FDC ASNs
For FDC vendors, also reference specific FDC EDI ASN requirements outlined in the FDC EDI ASN Specifications Supplement on www.loweslink.com, under the EDI tab.

Example:

Detail ASNs with GS1-128 bar code labeling:
BSN*00*999999999*20001001*1700*0001 (original)
BSN*05*999999999*20001001*1700*0001   (replacement)

Summary ASNs without GS1-128 bar code labeling:
BSN*00*8888888888*20001001*1700*0004   (original)
BSN*05*8888888888*20001001*1700*0004   (replacement)

HL

Hierarchical Level - SHIPMENT DETAIL

Pos: 010   **Max: 1**
Detail - Mandatory
Loop: HL   **Elements: 3**

User Option (Usage): Mandatory
Purpose: This segment is Mandatory for Both Detail ASNs and Summary ASNs.   It is used to identify dependencies among and the content of hierarchically related groups of data segments

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
HL01	628	**Hierarchical ID Number**	M	AN	1/12	Mandatory	1
		Please Note: Lowe's allows only numeric data values in the HL01.					
HL02	734	**Hierarchical Parent ID Number**	O	AN	1/12	Conditional	1
		Please Note: When reporting shipment level information (HL03 = S), this element should be left blank.					
HL03	735	**Hierarchical Level Code**	M	ID	1/2	Mandatory	1

CodeList Summary (Total Codes: 170, Included: 1)

Code	Name
S	Shipment

Please Note:

The Shipment hierarchical loop is required on each ASN.   The examples below demonstrate how the various hierarchical levels are linked.   For explanations of the HL segments, see the front of this document and the 856 ASN Business Examples document on www.loweslink.com under the EDI tab.

Example:

Detail ASN With GS1-128 Labeling at Pallet Level:
HL*1**S   (shipment)
HL*2*1*O   (order)
HL*3*2*T   (first pallet linked to order level)
HL*4*3*I   (item linked to first pallet)
HL*5*2*T   (second pallet linked to order level)
HL*6*5*I   (item linked to second pallet)
HL*7*5*I   (item linked to second pallet)

Summary ASN Without GS1-128 Labeling:
HL*1**S   (shipment)
HL*2*1*O   (order)
HL*3*2*I   (item linked to order level)

TD1   Carrier Details (Quantity and Weight) - at Shipment Level

Pos: 110	**Max: 5**
Detail - Optional	
Loop: HL	**Elements: 2**

User Option (Usage): Optional
Purpose: This segment is Optional for Both Detail ASNs and Summary ASNs.   It is used to specify the transportation details relative to commodity, weight, and quantity

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
TD101	103	**Packaging Code**	O	AN	3/5	Mandatory	1

CodeList Summary (Total Codes: 203, Included: 2)

Code	Name
PLT	Pallet
SLP	Slip Sheet

    Description: Shipping containers utilizing slip sheets, which are cardboard platforms used to hold product for storage or transportation

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
TD102	80	**Lading Quantity**	C	N0	1/7	Mandatory	1

Please Note: Number of containers, as expressed in TD101.

Please Note:

This segment should only be sent in the HL loop reporting shipment level information where HL03=S.   It is optional for Detail ASNs as well as for Summary ASNs.   If TD1 is sent, it represents one specific purchase order.

Use SLP only when the entire order is shipped with slip sheets.

When the TD101 includes PLT or SLP, the same number of Tare Level HL loops should be included in the Detailed ASN.   For the Summary ASN, the Tare Level HL loops are not included.

If TD101 is present, then TD102 is required.

Example:

TD1*PLT*24 (which means 24 Tare HL loops should be sent in the ASN)

TD5 — Carrier Details (Routing Sequence/Transit Time) - at Shipment Level

Pos: 120   **Max: 1**
Detail - Optional
Loop: HL   **Elements: 3**

User Option (Usage): Mandatory
Purpose: This segment is Mandatory for Both Detail ASNs and Summary ASNs.   It is used to specify the carrier and sequence of routing and provide transit time information.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
TD502	66	**Identification Code Qualifier**	C	ID	1/2	Mandatory	1

Please Note: Only send a 91 qualifier in the TD502 if a SCAC code is unavailable.

CodeList Summary (Total Codes: 215, Included: 2)

Code	Name
2	Standard Carrier Alpha Code (SCAC)
91	Assigned by Seller or Seller's Agent

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
TD503	67	**Identification Code**	C	AN	2/80	Mandatory	1

Please Note: A list of SCAC codes for Lowe's carriers can be found on www.loweslink.com by logging in with your digital certificate and selecting Transportation Information from your LowesLink menu, and then clicking Lowe's RDC Truckload Carrier Reference Guide. If a SCAC code is unavailable for a carrier, send a 91 qualifier in TD502 and the carrier's free-form name here in TD503.

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
TD504	91	**Transportation Method/Type Code**	C	ID	1/2	Mandatory	1

CodeList Summary (Total Codes: 71, Included: 3)

Code	Name
M	Motor (Common Carrier)
R	Rail
U	Private Parcel Service

Please Note:

This segment should only be sent in the HL loop reporting shipment level information where HL03=S.

At least one of TD502 or TD504 is required.   If TD502 is present, then TD503 is required.

When TD504=R, the rail car equipment # must be included in the TD303, and the equipment description code in the TD301 must reflect the type of rail car.

TD501 is not used by Lowe's.

FDC Shipments
For FDC truck consignment shipments, also reference the FDC EDI ASN Specifications Supplement on www.loweslink.com, under the EDI tab.   This supplement includes information on the carrier details to include in the TD5 segment for Early and Final EDI ASNs.

Example:

TD5**2*SCAC*M

TD3 — Carrier Details (Equipment) - at Shipment Level

Pos: 130	**Max:** 1
Detail - Optional	
Loop: HL	**Elements:** 2

User Option (Usage): Optional
Purpose: This segment is Optional for Both Detail ASNs and Summary ASNs.   It is used to specify transportation details relating to the equipment used by the carrier.   If you are sending the ASN for a consignment purchase order, this segment is required.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
TD301	40	**Equipment Description Code**	C	ID	2/2	Mandatory	1

CodeList Summary (Total Codes: 134, Included: 7)

Code	Name
2B	20 ft. IL Container (Closed Top)
4B	40 ft. IL Container (Closed Top)
BX	Boxcar
CV	Closed Van
FT	Flat Bed Trailer
RF	Flat Car
RT	Controlled Temperature Trailer (Reefer)

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
TD303	207	**Equipment Number**	C	AN	1/10	Mandatory	1

Please Note: For rail shipments, an alpha-numeric (10-chars in length) equipment number is required in the TD3-03.   The first four positions of the field should include the alpha prefix, with the remaining six-positions including the rail car number.   If the rail car number is less than 6-digits, it should be zero-filled.   The equipment number should match the plate that is on the side of the railcar.   See examples below.

For FDC truck shipments, exclude the TD3 segment.

For all other truck shipments (non-FDC truck shipments), the TD3 segment is optional.

Please Note:

If the equipment number is known, this segment should only be sent in the HL loop reporting shipment level information where HL03=S. See note on FDC shipments.

When TD504=R, the rail car equipment # must be included in the TD303, and the equipment description code in the TD301 must reflect the type of rail car.

Note, TD302 is not used by Lowe's.

FDC Shipments
For FDC rail shipments, this segment is required in the EDI ASN.

For FDC truck shipments, this segment should be excluded from the EDI ASN.   Note, for all other truck shipments (non-FDC truck shipments), the TD3 segment is optional.

For information on the carrier equipment details to include in the TD5 segment for FDC Early and Final EDI ASNs, also reference the FDC EDI ASN Specifications Supplement on www.loweslink.com, under the EDI tab.

Example:

Truck Shipment
TD3*CV**9999

Rail Shipments
Here are some examples of data for the rail equipment number in TD3-03.

1) A four-character alpha prefix of ABCD with a six-digit rail car number: TD3*RF**ABCD123456.

2) A two-character alpha prefix of AB with a six-digit rail car number: TD3*BX**AB   123456 (two-spaces following the two-character alpha prefix).

3) A four-character alpha prefix ABCD with a 3-digit rail car number of 123:   TD3*RF**ABCD000123.

REF

Reference Identification - at Shipment Level

User Option (Usage): Optional
Purpose: This segment is Optional for Both Detail ASNs and Summary ASNs.   It is used to specify identifying information.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Mandatory	1

CodeList Summary (Total Codes: 1503, Included: 1)

Code	Name
MB	Master Bill of Lading

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
REF02	127	**Reference Identification**	C	AN	1/30	Mandatory	1

Please Note:

Master bills of lading (REF01 = MB) should be reported in the HL loop for shipment level information (HL03 = S).   Sub-bills would then be reported in the HL loop for order level information (HL03 = O).   If master bill information is not applicable, then report bill of lading information only in the order level HL loop.   The bill of lading number is optional in all ASNs.

At the Shipment Level, if the shipment is a truckload shipment with multiple stop-offs, the REF segment should contain the master bill of lading number if it is available. The bill of lading number should be expressed at the Order level if available, and the PRO number should be provided if it is available.

When the REF segment is included in the ASN, both the REF01 and REF02 are required.

See the REF segment at the Order Level for information on the Bill of Lading Number, Carrier's Reference Number (PRO/Invoice), and Internal Vendor Number.

Example:

REF*MB*999

DTM   Date/Time Reference - at Shipment Level

Pos: 200   **Max: 1**
Detail - Optional
Loop: HL   **Elements: 4**

User Option (Usage): Mandatory
Purpose: This segment is Mandatory for Both Detail ASNs and Summary ASNs.   It is used to specify pertinent ship dates and times.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
DTM01	374	**Date/Time Qualifier**	M	ID	3/3	Mandatory	1

CodeList Summary (Total Codes: 1112, Included: 1)

Code	Name
011	Shipped

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
DTM02	373	**Date**	C	DT	8/8	Mandatory	1

Please Note: This should always be an eight-digit date (CCYYMMDD).

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
DTM03	337	**Time**	C	TM	4/8	Optional	1

Please Note: Time should be expressed in a four-digit format, as HHMM, using a 24 hour clock (23:59 is 11:59 PM) (00:00 is Midnight).

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
DTM04	623	**Time Code**	O	ID	2/2	Conditional	1

CodeList Summary (Total Codes: 51, Included: 5)

Code	Name
CT	Central Time
ET	Eastern Time
LT	Local Time
MT	Mountain Time
PT	Pacific Time

Please Note:

Send a DTM segment for "Shipped Date/Time" in the shipment level HL loop where HL03=S.   At this level, the DTM segment with the ship date is mandatory; time and time zone are optional.

DTM01 and DTM02 are required.   If DTM04 is present, then DTM03 is required. If DTM03 is sent, then DTM04 is required.

Also note, the Estimated Date of Arrival is also mandatory at the order hierarchical level where HL03=O.
See the DTM segment at the order level for information on sending the Estimated Date of Arrival.

Example:

Ship Date with Time and Time Zone
DTM*011*20001001*1600*ET

Ship Date without Time and Time Zone
DTM*011*20001001

FOB	**F.O.B. Related Instructions - at Shipment Level**	**Pos: 210** **Max: 1** **Detail - Optional** **Loop: HL** **Elements: 1**

User Option (Usage): Mandatory
Purpose: This segment is Mandatory for Both Detail ASNs and Summary ASNs.   It is used to specify transportation instructions relating to shipment.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
FOB01	146	**Shipment Method of Payment**	M	ID	2/2	Mandatory	1

CodeList Summary (Total Codes: 28, Included: 4)

Code	Name
CC	Collect
CF	Collect,Freight Credited Back to Customer
PC	Prepaid but Charged to Customer
PP	Prepaid (by Seller)

Please Note:

The FOB segment should be transmitted in the shipment level HL loop where HL03=S.

Example:

FOB*PP

N1   Name - Ship From - at Shipment Level

Pos: 220   **Max: 1**
Detail - Optional
Loop: N1   **Elements: 2**

User Option (Usage): Mandatory
Purpose: This segment is Mandatory for Both Detail ASNs and Summary ASNs.   It is used to identify a party by type of organization, name, and code.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
N101	98	**Entity Identifier Code**	M	ID	2/3	Mandatory	1

Please Note: SF = Shipper Information.

CodeList Summary (Total Codes: 1312, Included: 1)

Code	Name
SF	Ship From

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
N102	93	**Name**	C	AN	1/60	Mandatory	1

Please Note: Report name of company shipping the product here.

Please Note:

Two N1 segments are required for Lowe's ASNs.   The N1 segment at the Shipment Level (HL03=S) should include the name of the shipper.   See the N1 segment at the Order Level for information to be included for the ship to location.

Both the N101 and N102 are required when reporting the Ship From information at the Shipment level where HL03=S.

Example:

N1*SF*ABC Widgets

N3   Address Information - at Shipment Level

Pos: 240	**Max: 1**
Detail - Optional	
Loop: N1	**Elements: 2**

User Option (Usage): Optional
Purpose: This segment is Optional for Both Detail ASNs and Summary ASNs.   It is used to specify the location of the named party.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
N301	166	**Address Information**	M	AN	1/55	Mandatory	1
N302	166	**Address Information**	O	AN	1/55	Conditional	1

Please Note: Send information in the N302 element only if the street address is longer than 55 characters and will not fit in N301.

Please Note:

The N3 segment is optional.   If it is included in the ASN, it should contain the address information of the shipper and be sent in the shipment level where HL03=S.

Example:

N3*1532 North Main Street

N4   Geographic Location - at Shipment Level

Pos: 250   **Max: 1**
Detail - Optional
Loop: N1   **Elements: 4**

User Option (Usage): Optional
Purpose: This segment is Optional for Both Detail ASNs and Summary ASNs.   It is used to specify the geographic place of the named party.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
N401	19	**City Name**	O	AN	2/30	Mandatory	1
N402	156	**State or Province Code**	O	ID	2/2	Mandatory	1
N403	116	**Postal Code**	O	ID	3/15	Mandatory	1
N404	26	**Country Code**	O	ID	2/3	Conditional	1
		Please Note: Send the N404 element only for import shipments.					

Please Note:

The N4 segment is optional.   If it is included in the ASN, it should contain the address information of the shipper and be sent in the shipment level where HL03=S.

Example:

N4*Smithville*NC*12345

HL   Hierarchical Level - ORDER DETAIL

Pos: 010   Max: 1
Detail - Mandatory
Loop: HL   Elements: 3

User Option (Usage): Mandatory
Purpose: This segment is Mandatory for Both Detail ASNs and Summary ASNs.   It is used to identify dependencies among and the content of hierarchically related groups of data segments.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
HL01	628	**Hierarchical ID Number**	M	AN	1/12	Mandatory	1
		Please Note: Lowe's allows only numeric data values in the HL01.					
HL02	734	**Hierarchical Parent ID Number**	O	AN	1/12	Mandatory	1
		Please Note: When HL03=O, the HL02=1 to link the order level to the shipment level. Note, only one purchase order can be sent per ST Transaction Set.					
HL03	735	**Hierarchical Level Code**	M	ID	1/2	Mandatory	1

CodeList Summary (Total Codes: 170, Included: 1)

Code	Name
O	Order

Please Note:

The Order hierarchical loop is required on each ASN.   The examples below demonstrate how the various hierarchical levels are linked. For explanations of the HL segments, see the front of this document and the 856 ASN Business Examples document.

Example:

Detail ASN With GS1-128 Labeling at Pallet Level:
HL*1**S   (shipment)
HL*2*1*O   (order)
HL*3*2*T   (first pallet linked to order level)
HL*4*3*I   (item linked to first pallet)
HL*5*2*T   (second pallet linked to order level)
HL*6*5*I   (item linked to second pallet)
HL*7*5*I   (item linked to second pallet)

Summary ASN Without GS1-128 Labeling:
HL*1**S   (shipment)
HL*2*1*O   (order)
HL*3*2*I   (item linked to order level)

PRF

Purchase Order Reference - at Order Level

Pos: 050	**Max: 1**
Detail - Optional	
Loop: HL	**Elements: 2**

User Option (Usage): Mandatory
Purpose: This segment is Mandatory for Both Detail ASNs and Summary ASNs.   It is used to provide reference to a specific purchase order.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
PRF01	324	**Purchase Order Number**	M	AN	1/22	Mandatory	1
		Please Note: When the ASN represents a Consignment Purchase Order, the PRF-01 should include a value of 0 (zero).					
PRF07	92	**Purchase Order Type Code**	O	ID	2/2	Conditional	1

CodeList Summary (Total Codes: 69, Included: 1)

Code	Name
CN	Consigned Order

Please Note:

The PRF segment is required at the Order level where HL03=O.

For Lowe's Owned ASNs (excludes Consignment ASNs)
• Lowe's purchase order number can be up to nine-digits in length.
• Use the PO Number issued by Lowe's as the PO Number in the ASN PRF segment.
• Display the value in PRF01 as the Customer PO # on packing lists and bill of lading documents.
• Do not include a value in the PRF07 field; only the PRF-01 should be populated for Lowe's Owned ASNs.

For FDC Consignment ASNs
• The vendor assigns the Consignment PO Number.
• Populate the BSN02 with the PO Number, 20 alpha-numeric positions are allowed for the Consignment PO Number.
• The PRF01 should include a value of 0 for consignment ASNs.
• The PRF07 should include a value of CN to indicate the ASN is for consignment.
• The same value sent in the BSN02 should be used in Original and Replacement ASNs for a shipment.
• For packing lists and bill of ladings, the PO # in the BSN02 should match the value displayed on the shipment's packing list as the Customer PO #.   Lowe's facilities will use the Customer PO # field on the packing list to link it to the ASN Shipment ID.   It is vital to the success of your shipments that these fields match.
• When calling FDCs for truck consignment appointments, please reference the PO # sent in the BSN02.
• See the BSN segment (BSN02) for information on sending the consignment PO number in the ASN.

More Information on FDC ASNs
For FDC vendors, also reference specific FDC EDI ASN requirements outlined in the FDC EDI ASN Specifications Supplement on www.loweslink.com, under the EDI tab.

Example:

PRF*999999999   (for ASNs for all purchase orders except consignment purchase orders)

PRF*0******CN   (for ASNs for only consignment purchase orders)

REF

Reference Identification - at Order Level

Pos: 150	**Max: 3**
Detail - Mandatory	
Loop: HL	**Elements: 2**

User Option (Usage): Mandatory
Purpose: The REF*IA segment is Mandatory for Both Detail ASNs and Summary ASNs.   See the Please Note section for other data requirements for this segment.   It is used to specify identifying information.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Mandatory	1

CodeList Summary (Total Codes: 1503, Included: 3)

Code	Name
BM	Bill of Lading Number
CN	Carrier's Reference Number (PRO/Invoice)
IA	Internal Vendor Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
REF02	127	**Reference Identification**	C	AN	1/30	Mandatory	1

Please Note: The REF*IA segment is Mandatory for Both Detail ASNs and Summary ASNs.   See notes below.

Please Note:

When the REF segment is included in the ASN, both the REF01 and REF02 are required.

VENDOR NUMBER (required)
The REF*IA segment is Mandatory for Both Detail ASNs and Summary ASNs.   Lowe's vendor number must be included in this segment. The vendor number can be a maximum of 9-digits in length.

For Lowe's Owned ASNs, REF02=vendor # from EDI 850 Vendor #
The Lowe's vendor number supplied in the 850 EDI PO must be echoed back in the 856.   If the ASN is sent by a third party, they should obtain approval from the trading partner that received the 850 to return the vendor number from the 850 back in the 856.

For FDC Consignment ASNs, REF02=vendor # assigned to FDC (use LowesLink to identify appropriate vendor # or contact Lowe's Inventory Planner for assistance).   If a load includes product for different Lowe's assigned vendor numbers, an ASN is required for each vendor number.   For example, the load includes two different vendor numbers so two consignment ASNs should be issued.

BILL OF LADING & PRO # (optional)
If an order is moved by a third party carrier (with the exception of small package carriers), the REF BM segment is preferred.   The Carrier's Reference Number (PRO#) is optional.

If a vendor moves the product on their own trucks, the REF BM segment is optional.   We will use the information provided in the BSN02 in the absence of a REF BM segment.

See the REF segment at the Shipment Level for information on the Master Bill of Lading.

Example:

REF*BM*999A
REF*CN*00000000
REF*IA*999999999

DTM

Date/Time Reference - at Order Level

Pos: 200   **Max: 1**
Detail - Optional
Loop: HL   **Elements: 4**

User Option (Usage): Mandatory
Purpose: This segment is Mandatory for Both Detail ASNs and Summary ASNs.   It is used to specify pertinent delivery dates and times.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
DTM01	374	**Date/Time Qualifier**	M	ID	3/3	Mandatory	1

CodeList Summary (Total Codes: 1112, Included: 1)

Code	Name
067	Current Schedule Delivery

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
DTM02	373	**Date**	C	DT	8/8	Mandatory	1

Please Note: This should always be an eight-digit date (CCYYMMDD).

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
DTM03	337	**Time**	C	TM	4/8	Optional	1

Please Note: Time should be expressed in a four-digit format, as HHMM, using a 24 hour clock (23:59 is 11:59 PM) (00:00 is Midnight).

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
DTM04	623	**Time Code**	O	ID	2/2	Conditional	1

CodeList Summary (Total Codes: 51, Included: 5)

Code	Name
CT	Central Time
ET	Eastern Time
LT	Local Time
MT	Mountain Time
PT	Pacific Time

Please Note:

Send a DTM segment for "Estimated Arrival Date/Time" in the order level HL loop where HL03=O.   The estimated date of arrival is required; time and time zone are optional.

DTM01 and DTM02 are required if the DTM segment for the arrival date is sent in the 856.   If DTM04 is present, then DTM03 is required. If DTM03 is sent, then DTM04 is required.

Also note, the Ship Date is also mandatory at the shipment hierarchical level where HL03=S.
See the DTM segment at the shipment level for information on sending the Ship Date.

Example:

Estimated Date of Arrival with Time and Time Zone
DTM*067*20001003*1259*ET

Estimated Date of Arrival without Time and Time Zone
DTM*067*20001003

N1

Name - Ship To - at Order Level

Pos: 220	Max: 2
Detail - Optional	
Loop: N1	**Elements: 3**

User Option (Usage): Mandatory
Purpose: This segment is Mandatory for Both Detail ASNs and Summary ASNs.   It is used to identify a party by type of organization, name, and code.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
N101	98	**Entity Identifier Code**	M	ID	2/3	Mandatory	1

Please Note: ST = Lowe's Ship To
Location Number.
MA = Final destination store number (party
for whom shipment is ultimately intended)
included at the order level (only use the MA
qualifier when reporting Vendor Prepared
Cross-Dock shipments).

CodeList Summary (Total Codes: 1312, Included: 2)

Code	Name
MA	Party for whom Item is Ultimately Intended
ST	Ship To

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
N103	66	**Identification Code Qualifier**	C	ID	1/2	Mandatory	1

CodeList Summary (Total Codes: 215, Included: 1)

Code	Name
94	Code assigned by the organization that is the ultimate destination of the transaction set

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
N104	67	**Identification Code**	C	AN	2/80	Mandatory	1

Please Note: Lowe's location numbers
should be reported here and may be up to
5-digits in length.   For single-digit location
numbers, precede the number with at least
one zero.   The location number must
match the ship-to value in the 850.

Please Note:

Two N1 segments are required for Lowe's ASNs; three are needed for Cross-Dock shipments.

Ship From N1 segment
The one referencing the shipper (N101=SF) is included at the shipment level where HL03=S.   See the N1 segment at the Shipment level for information to be included for the ship from location.

Ship To N1 segment
The one referencing the ship to location (N101=ST) is included at the order level where HL03=O.   The N101, N103, and N104 are required when reporting the Ship To information at the Order level where HL03=O.

RDC Cross-Dock Shipments (Vendor Prepared Cross-Dock and SOS Cross-Dock)
If shipping a Cross-dock Order, a third N1 segment is required at the order level for the final destination store location.   For a definition on cross-dock orders, see the front of this document.

FDC Cross-Dock Shipments (Vendor Prepared Cross-Dock and SOS Cross-Dock)
An EDI ASN is optional for FDC Cross-Dock shipments.   If an ASN is transmitted to Lowe's for FDC Cross-Dock shipments, the ASN will be validated but will not be used by Lowe's FDC facilities.   Manual ASNs via email are required for all FDC Cross-Dock shipments.   See Lowe's Partnership Manual on the requirements for the Manual Paper ASN for FDC Cross-Dock shipments.

More Information on FDC ASNs
For FDC vendors, also reference specific FDC EDI ASN requirements outlined in the FDC EDI ASN Specifications Supplement on www.loweslink.com, under the EDI tab.

Example:

Example for Direct to Store Shipment:
N1*SF*ABC Widgets\   (Ship From included at shipment level)
N1*ST**94*701 (Ship To Store Location at order level)

Example for Vendor Prepared Cross-dock Shipment:
N1*SF*ABC Widgets\   (Ship From included at shipment level)
N1*ST**94*960\   (Ship To DC Location included at order level)
N1*MA**94*701\   (Final Destination Store Location included at order level)

HL   Hierarchical Level - TARE (PALLET) DETAIL

Pos: 010   Max: 1
Detail - Mandatory
Loop: HL   Elements: 3

User Option (Usage): Conditional
Purpose: This segment is Required for Detail ASNs for each pallet with GS1-128 labeling.   It should not be included in Summary ASNs.   It is used to identify dependencies among and the content of hierarchically related groups of data segments.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
HL01	628	**Hierarchical ID Number**	M	AN	1/12	Mandatory	1
		Please Note: Lowe's allows only numeric data values in the HL01.					
HL02	734	**Hierarchical Parent ID Number**	O	AN	1/12	Mandatory	1
		Please Note: When HL03=T, the HL02=2 to link the pallet level to the order level. Note, only one purchase order can be sent per ST Transaction Set.					
HL03	735	**Hierarchical Level Code**	M	ID	1/2	Mandatory	1

CodeList Summary (Total Codes: 170, Included: 1)

Code	Name
T	Shipping Tare

Please Note:

The Tare (Pallet) hierarchical loop is required on the ASN when submitting a Detail ASN (BSN05=0001) with GS1-128 bar code labeling on each pallet.   The examples below demonstrate how the various hierarchical levels are linked.   For explanations of the HL segments, see the front of this document and the 856 ASN Business Examples document.

Example:

Detail ASN With GS1-128 Labeling at Pallet Level:
HL*1**S   (shipment)
HL*2*1*O   (order)
HL*3*2*T   (first pallet linked to order level)
HL*4*3*I   (item linked to first pallet)
HL*5*2*T   (second pallet linked to order level)
HL*6*5*I   (item linked to second pallet)
HL*7*5*I   (item linked to second pallet)

Summary ASN Without GS1-128 Labeling:
HL*1**S   (shipment)
HL*2*1*O   (order)
HL*3*2*I   (item linked to order level)

MAN | Marks and Numbers for Tare (Pallet) Level

Pos: 190   **Max:** 1
Detail - Optional
Loop: HL   **Elements:** 2

User Option (Usage): Conditional
Purpose: This segment is Required for Detail ASNs for each pallet with GS1-128 bar code labeling.   It should not be included in Summary ASNs.   It is used to indicate identifying marks and numbers for shipping containers.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
MAN01	88	**Marks and Numbers Qualifier**	M	ID	1/2	Mandatory	1

CodeList Summary (Total Codes: 20, Included: 1)

Code	Name
GM	SSCC-18 and Application Identifier

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
MAN02	87	**Marks and Numbers**	M	AN	1/48	Mandatory	1

Please Note:

The MAN segment is required for the Tare (Pallet) hierarchical loop where HL03=T.

For information on Lowe's GS1-128 Serial Shipping Container Code labeling requirements, view Lowe's Bar Code Guidelines located on www.loweslink.com under the Partner Information tab.

Example:

MAN*GM*00100715140000096749

HL   Hierarchical Level - ITEM DETAIL

Pos: 010	Max: 1
Detail - Mandatory	
Loop: HL	**Elements: 3**

User Option (Usage): Mandatory
Purpose: This segment is Mandatory for Both Detail ASNs and Summary ASNs.   It is used to identify dependencies among and the content of hierarchically related groups of data segments.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
HL01	628	**Hierarchical ID Number**	M	AN	1/12	Mandatory	1
		Please Note: Lowe's allows only numeric data values in the HL01.					
HL02	734	**Hierarchical Parent ID Number**	O	AN	1/12	Mandatory	1
HL03	735	**Hierarchical Level Code**	M	ID	1/2	Mandatory	1

CodeList Summary (Total Codes: 170, Included: 1)

Code	Name
I	Item

Please Note:

The Item hierarchical loop is required on each ASN.   The examples below demonstrate how the various hierarchical levels are linked. For explanations of the HL segments, see the front of this document and the 856 ASN Business Examples document.

More Information on FDC ASNs
For FDC vendors, also reference specific FDC EDI ASN requirements outlined in the FDC EDI ASN Specifications Supplement on www.loweslink.com, under the EDI tab.

Example:

Detail ASN With GS1-128 Labeling at Pallet Level:
HL*1**S   (shipment)
HL*2*1*O   (order)
HL*3*2*T   (first pallet linked to order level)
HL*4*3*I   (item linked to first pallet)
HL*5*2*T   (second pallet linked to order level)
HL*6*5*I   (item linked to second pallet)
HL*7*5*I   (item linked to second pallet)

Summary ASN Without GS1-128 Labeling:
HL*1**S   (shipment)
HL*2*1*O   (order)
HL*3*2*I   (item linked to order level)

LIN

Item Identification - at Item Level

Pos: 020	**Max: 1**
Detail - Optional	
Loop: HL	**Elements: 2**

User Option (Usage): Mandatory
Purpose: This segment is Mandatory for Both Detail ASNs and Summary ASNs.   It is used to specify basic item identification data.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
LIN02	235	**Product/Service ID Qualifier**	M	ID	2/2	Mandatory	1

Please Note: Only send a bar code if Lowe's item number is not available.

CodeList Summary (Total Codes: 477, Included: 4)

Code	Name
CB	Buyer's Catalog Number
EN	European Article Number (EAN) (2-5-5-1, 13-digit bar code)
UK	U.P.C./EAN Shipping Container Code (1-2-5-5-1, 14-digit bar code)
UP	U.P.C. Consumer Package Code (1-5-5-1, 12-digit bar code)

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
LIN03	234	**Product/Service ID**	M	AN	1/48	Mandatory	1

Please Note: If LIN02=CB, then LIN03=Lowe's item number.   The item number may be up to 9-digits in length.   It should echo the Lowe's item number sent in the 850.   If LIN02=UP, then LIN03=12-digit UPC bar code.   If LIN02=EN, then LIN03=13-digit EAN bar code.   If LIN02=UK, then LIN03=14-digit UPC/EAN bar code.   Do not use an I2of5 (ITF) or GS1-128 for the bar code in the LIN03.

Please Note:

An LIN segment is required for the Item hierarchical level where HL03=I.   Wherever possible, send Lowe's item number for the product shipped.   If the Lowe's item number is unavailable, send the bar code.   Do not use an I 2 of 5 or GS1-128 for the bar code in the LIN03.

Depending on the country you are shipping the product to, remember any one item number could have multiple model/UPC numbers. Please remember to fill the order using your model number and invoice Lowe's using Lowe's item number.

If an item included in the 850 is not shipped, do not include an LIN or SN1 segment for the item.

For ASNs with pallet level detail, the same Lowe's item number/bar code combination should not be included more than once within a pallet loop.   For Summary ASNs, the Lowe's item number/bar code combination must also be unique.   If there are multiple bar codes that are assigned to one Lowe's item number, sum the total quantity shipped and include only Lowe's item number in the LIN segment within an HL loop.

Note, LIN01 is not used by Lowe's.

Example:

LIN**CB*123456 (Lowe's item number, preferred)

LIN**UP*999999999999 (UPC 12-digit bar code)

SN1   Item Detail (Shipment) - at Item Level

Pos: 030	**Max: 1**
Detail - Optional	
Loop: HL	**Elements: 2**

User Option (Usage): Mandatory
Purpose: This segment is Mandatory for Both Detail ASNs and Summary ASNs.   It is used to specify line-item detail relative to shipment.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
SN102	382	**Number of Units Shipped**	M	R	1/10	Mandatory	1
SN103	355	**Unit or Basis for Measurement Code**	M	ID	2/2	Mandatory	1

Please Note: The data value in this field should match the unit of measurement code sent in the 850 Purchase Order EDI document.   The SN103 should always reflect how Lowe's sells it to the consumer. If there are questions on what to return in this data field, contact Lowe's Inventory Planner.
All valid X12 codes are used. (Total Codes: 794)

Please Note:

SN101 is not used by Lowe's.

An SN1 segment is required for the Item hierarchical level where HL03=I.   See the LIN segment for more information on the item and quantity data fields to be included in the 856.

For ALL Lowe's Owned ASNs, the Unit of Measure should include the same value as sent in the EDI 850 PO; Quantity should match accordingly.

For FDC Consignment ASNs, the Unit of Measure should include the lowest ship unit measurement as defined by Lowe's Merchandising; Quantity should match accordingly.   For questions on Unit of Measure or Quantity, contact Lowe's Inventory Planner.   (Note, this value should not include how you manufacture the goods but how the product is setup by Lowe's as a selling unit to our consumer.)

More Information on FDC ASNs
For FDC vendors, also reference specific FDC EDI ASN requirements outlined in the FDC EDI ASN Specifications Supplement on www.loweslink.com, under the EDI tab.

Example:

SN1**48*EA

CTT   **Transaction Totals**

Pos: 010	**Max: 1**
Summary - Optional	
Loop: N/A	**Elements: 1**

User Option (Usage): Mandatory
Purpose: This segment is Mandatory for Both Detail ASNs and Summary ASNs.   It is used to transmit a hash total for a specific element in the transaction set.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
CTT01	354	**Number of Line Items**	M	N0	1/6	Mandatory	1

Please Note: The number of HL segments present in the transaction set

Example:

CTT*1

SE   **Transaction Set Trailer**

Pos: 020	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Mandatory
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)

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
SE01	96	**Number of Included Segments**	M	N0	1/10	Mandatory	1
SE02	329	**Transaction Set Control Number**	M	AN	4/9	Mandatory	1

Please Note: This control number must match the control number in ST02 element

Please Note:

SE01 should include the number of segments between the ST and SE, including the ST and SE.

Example:

SE*31*0001

GE | Functional Group Trailer

Pos: 021	**Max: 1**
Heading - Mandatory	
Loop: N/A	**Elements: 2**

User Option (Usage): Mandatory
Purpose: To indicate the end of a functional group and to provide control information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
GE01	97	**Number of Transaction Sets Included**	M	N0	1/6	Mandatory	1
GE02	28	**Group Control Number**	M	N0	1/9	Mandatory	1

Please Note: This control number must match the control number in the GS08 element

Example:

GE*1*1

IEA

Interchange Control Trailer

Pos: 022	**Max: 1**
Heading - Mandatory	
Loop: N/A	**Elements: 2**

User Option (Usage): Mandatory
Purpose: To define the end of an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
IEA01	I16	**Number of Included Functional Groups**	M	N0	1/5	Mandatory	1
IEA02	I12	**Interchange Control Number**	M	N0	9/9	Mandatory	1

Please Note: This control number must match the control number in the ISA13

Example:

IEA*1*000000001