ASN PDF Requirements

|  |  |
| --- | --- |
| Epic | Outbound (Customer) ASN |
| Jira Task | <https://jira.bcldb.com/browse/CAN-2010> 🡪Requirements for PDF format of outbound ASN |

# Document Control

|  |  |  |  |
| --- | --- | --- | --- |
| Version | Date | Name | Note |
| 1 | 20190819 | Christian Primbs, BSA | First release. Layout approval pending form Legal |
| 1.1 | 20190826 | Christian Primbs, BSA | Added Tracking Number to Container List section |
| 1.2 | 20190910 | Christian Primbs, BSA | Removed ambiguous page break requirement on container.  Removed item sort by order requirement as order not part of item list. |

# Stakeholders

|  |  |  |
| --- | --- | --- |
| Name | Title | Role in this Context |
| Jessica Ogryzlo | Acting Sr Mgr Supply Chain & Planning, Cannabis Operations | Content Consultant |
| Desiree Tan | Acting Manager Customer Experience, Cannabis Operations | Content Consultant |
| Bhuvana Jeyar | Senior Developer, Information Technology - Enterprise Solutions | Content Consultant |
| Kate Bilney | Senior Communications Officer, Corporate Communications | Content Consultant |
| Christian Primbs | Senior Business Systems Analyst | Requirements Gathering |
| Kai Wong | SA | Capabilities Consultant |
| Aaron Williamson | Manager, Warehouse Operations | Final Approval  Approved via eMail 20190816 |
|  | Corporate Communications | Approved via Aaron 20190816 |
|  | Legal | Pending |

# Related Documents

|  |  |
| --- | --- |
| Description | Link |
| Sample Packing List – Liquor | [Sample Shipping Documents - Liquor](http://pmo.bcldb.com/corporate/project/Cannabis%20Program/Cannabis%2020/_Analysis%20Documents/CAN-1198%20ASN%20for%20B2B%20Outbound%20Orders%20(Epic)/Sample%20Shipping%20Documents%20-%20Liquor.pdf) |
| Sample Packing List – Cannabis (Purolator) | [Sample Packing List Purolator](http://pmo.bcldb.com/corporate/project/Cannabis%20Program/Cannabis%2020/_Analysis%20Documents/CAN-1198%20ASN%20for%20B2B%20Outbound%20Orders%20(Epic)/Sample%20Packing%20List%20Purolator.pdf) |
| Logo | See Specifications section below. |
| Document Standards | N/A |

# Notation

<> Anything encapsulated in < > represents a data field. In the report the complete string including the < > should be replaced with the value of the field.

… at the end of a report section indicates the report line may repeat.

# Requirement Statement

Create a human readable Advance Ship Notice (ASN) from the same ASN data sources used to create the XML ASN, when customer is set to receive a PDF ASN.

# Assumptions

The human readable version of the ASN is intended to replace the paper packing slip for customers how prefer to use this over an integrated data solution. As such, the PDF version of the ASN must include all relevant information found on the packing slip plus any additional useful information available from the ASN data.

# Specifications

|  |  |  |
| --- | --- | --- |
| # | Name | Description |
| 1 | Layout | The layout of the PDF will be as per the [Layout](#_Layout) section below. |
| 2 | Body Font | Helvetica 10 pt |
| 3 | Sub-Heading Font | Helvetica 12 pt Bold |
| 4 | Orientation | Portrait (if data fits), otherwise Landscape |
| 5 | Quantities | All quantity fields are right-justified. |
| 6 | Qty UOM | Quantities are separated from UOM by a single space |
| 7 | Item List Sort | Item list must be sorted in ascending order by:  <PackageID>, <Item Number or GTIN, UPC>, <LotNumber> |

# Excluded Fields

This section lists any fields currently on the Packing Slip that are not being moved to the PDF ASN.

|  |  |  |
| --- | --- | --- |
| Name | Example | Reason |
| Probill |  | Not available in ASN data |
| Shipment (Number) | S114140 | Internal TECSYS Reference |
| Master Packing List (name) | “PACK1075” | Internal TECSYS Reference |
| Bill To |  | Not populated |
| Buyer |  | Not populated |
| Container | C1011606 | Internal TECSYS Reference; Package identified by tracking number / SSCC-18 |
| Packed by / Date / Page Form |  | This information will not be available in the data and there will be no place for the packer to complete this information. |
| Carrier ID | PRCCA | The carrier name, which is included, is more useful to the customer than this BCLDB internal ID. |
| Expiry Date |  | Not generally included in ASN or packing slip. |

# Layout

## Options

|  |  |  |  |
| --- | --- | --- | --- |
| Option | Name | Selected by | Conditions |
| **1** | **Separate Container and Item Lists** | **RDC: Varun, Cayla** | **Item list must be sorted by container first.** |
| ~~2~~ | ~~Hierarchical~~ |  | ~~Not selected~~  See Appendix A for format |

## Fields

### Header

|  |  |
| --- | --- |
| **Report Target Field** | **Source Field** |
| <Logo> |  |
| <Title> | “Advance Ship Notice” -- **Font**: Helvetica 16 Bold |
| **Ship To** |  |
| <CustomerID> | ASNHeader\ASNParty\BuyerParty\PartyID\Ident |
| <CustomerName> | ASNHeader\ASNParty\BuyerParty\NameAddress\Name1 |
| <Address> | ASNHeader\ASNParty\BuyerParty\NameAddress\Street |
| <City> | ASNHeader\ASNParty\BuyerParty\NameAddress\City |
| <Prov> | ASNHeader\ASNParty\BuyerParty\NameAddress\Region\RegionCoded |
| <PostalCode> | ASNHeader\ASNParty\BuyerParty\NameAddress\PostalCode |
| **Ship From** |  |
| <DCID> | ASNHeader\ASNParty\SellerParty\PartyID\Ident |
| <DCName> | ASNHeader\ASNParty\SellerParty\NameAddress\Name1 |
| <Address> | ASNHeader\ASNParty\SellerParty\NameAddress\Street |
| <City> | ASNHeader\ASNParty\SellerParty\NameAddress\City |
| <Prov> | ASNHeader\ASNParty\SellerParty\NameAddress\Region\RegionCoded |
| <PostalCode> | ASNHeader\ASNParty\SellerParty\NameAddress\PostalCode |
| **Shipper Name** |  |
| <ContactName> | ASNHeader\ASNParty\SellerParty\PrimaryContact\ContactName |
| <ContactPhone> (To the right of Shipper Name) | ASNHeader\ASNParty\SellerParty\PrimaryContact\ListOfContactNumber  \ContactNumber\ContactNumberValue |
| **Other header fields** |  |
| <ShipDate> | ASNHeader\ASNDates\ShipDate (Format: mm/dd/yyyy) |
| <DeliveryDate> | ASNHeader\ASNDates\DeliveryDate (Format: mm/dd/yyyy) |
| <ASNnumber> | ASNHeader\ASNNumber |
| <PieceCount> | ASNSummary\TranportPackagingTotals\TotalPackages |
| <Weight> <uom> | ASNSummary\TranportPackagingTotals\TotalGrossWeight\MeasurementValue  ASNSummary\TranportPackagingTotals\TotalGrossWeight\UnitOfMeasure |
| <OrderNumberList> | ASNHeader\ASNOrderNumber\BuyerOrderNumber   * This is a repeating field. Values should be comma separated, listing all instances. |
| <BOL> | ASNHeader\ShippingReferences\BillOfLadingNumber\RefNum |
| <CarrierName> | ASNHeader\ASNParty\CarrierParty\NameAddress\Name1 |

### Container List

|  |  |
| --- | --- |
| **Report Target Field** | **Source Field** |
| <PackageID> | ASNDetail\ListOfASNPackageDetail\ListOfPackage\Package\PackageID |
| <PackageType> | ASNDetail\ListOfASNPackageDetail\PackageType\PackageTypeCoded |
| <PackageSSCC> | ASNDetail\ListOfASNPackageDetail\ListOfPackage\Package\ListOfPackageDescription  \PackageDescription\ListOfPackageIdentifier\PackageIdentifier\  \PackageIdentifier\PackageIdentifierValue   * If “**UCCOrEAN128Barcoded**” = ASNDetail\ListOfASNPackageDetail\ListOfPackage\Package   \ListOfPackageDescription\PackageDescription\ListOfPackageIdentifier  \PackageIdentifier\PackageIdentifier\PackageIdentifierCoded |
| <TrackingNumber> | ASNDetail\ListOfASNPackageDetail\ListOfPackage\Package\ListOfPackageDescription  \PackageDescription\ListOfPackageIdentifier\PackageIdentifier\  \PackageIdentifier\PackageIdentifierValue   * If “**Other**” = ASNDetail\ListOfASNPackageDetail\ListOfPackage\Package   \ListOfPackageDescription\PackageDescription\ListOfPackageIdentifier  \PackageIdentifier\PackageIdentifier\PackageIdentifierCoded |
| <PackageCount> | ASNDetail\ListOfASNPackageDetail\NumberOfPackages |

**Version 1.1 Note**: Added “<Tracking Number>” in Container List above.

### Item List

|  |  |
| --- | --- |
| **Report Target Field** | **Source Field** |
| <Item Number | ASNDetail\ListOfASNItemDetail\ASNItemDetail\ASNBaseItemDetail\ItemIdentifiers  \PartNumbers\SellerPartNumber\PartID |
| <Item Description and Size> | ASNDetail\ListOfASNItemDetail\ASNItemDetail\ASNBaseItemDetail\ItemIdentifiers  \ItemDescription |
| <LotNumber> | ASNDetail\ListOfASNItemDetail\ASNItemDetail\ASNBaseItemDetail\ItemIdentifiers  \PartNumbers\OtherIdentifiers\OtherIdentifiersCoded\ProductIdentifier   * If “**LotNumber**” = ASNDetail\ListOfASNItemDetail\ASNItemDetail\ASNBaseItemDetail   \ItemIdentifiers\PartNumbers\OtherIdentifiers\OtherIdentifiersCoded  \ProductIdentifierQualifierCoded |
| <PackageID> | ASNDetail\ListOfASNItemDetail\ASNItemDetail\ASNBaseItemDetail  \ItemPackagingReference\PackageReference\PackageIDReference |
| <GTIN / UPC> | ASNDetail\ListOfASNItemDetail\ASNItemDetail\ASNBaseItemDetail\ItemIdentifiers  \PartNumbers\OtherIdentifiers\OtherIdentifiersCoded\ProductIdentifier   * If “**GTIN**” = ASNDetail\ListOfASNItemDetail\ASNItemDetail\ASNBaseItemDetail   \ItemIdentifiers\PartNumbers\OtherIdentifiers\OtherIdentifiersCoded  \ProductIdentifierQualifierCoded   * Check of “**GTIN**” first. If not available, use “**UPC**” |
| <QtyOrd> <UOM> | ASNDetail\ListOfASNItemDetail\ASNItemDetail\ASNBaseItemDetail\ASNQuantities  \OrderedQuantity\QuantityValue  ASNDetail\ListOfASNItemDetail\ASNItemDetail\ASNBaseItemDetail\ASNQuantities  \OrderedQuantity\UnitOfMeasure |
| <QtyShip> <UOM> | ASNDetail\ListOfASNItemDetail\ASNItemDetail\ASNBaseItemDetail\ASNQuantities  \ShippedQuanity\QuantityValue  ASNDetail\ListOfASNItemDetail\ASNItemDetail\ASNBaseItemDetail\ASNQuantities  \OrderedQuantity\UnitOfMeasure |

### Page Footer

|  |  |
| --- | --- |
| **Report Target Field** | **Source Field** |
| <FileName> | The name of the file created (Optional) |
| <ASNDate> | ASNHeader\ASNIssueDate |
| <x> | Current Page |
| <y> | Page Count |

### Structure

Report Header

└── Container

* + Must be sorted by <PackageID>

└── Items (1..N per **ASN**)

* Item List must be sorted by: <PackageID>, <Item Number or GTIN, UPC>, <Lot>

*Layout on next page*

### Layout Template

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | <Logo> | <Title> |  |  |  | | --- | --- | | **Ship To** | **Ship From** | | <CustomerID> | <DCID> | | <CustomerName> | <DCName> | | <Address> | <Address> | | <City>, <Prov> <PostalCode> | <City>, <Prov> <PostalCode> |  |  |  |  |  | | --- | --- | --- | --- | | **Shipper Name** | <ContactName> | **Total Pieces** | <PieceCount> | | **Shipper Phone** | <ContactPhone> | **Total Weight** | <Weight> <uom> | | **Ship Date** | <ShipDate> | **BOL** | <BOL> | | **Estimated Delivery Date** | <DeliveryDate> | **ASN** | <ASNnumber> | | **Carrier** | <CarrierName> |  |  |  |  |  | | --- | --- | | **Order Numbers** | <OrderNumberList> |   **Container List**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Container ID | SSCC | Tracking Number | Container Type | Container Count | | <PackageID> | <PackageSSCC> | <TrackingNumber> | <PackageType> | <PackageCount> | | <PackageID> | <PackageSSCC> | <TrackingNumber> | <PackageType> | <PackageCount> | | … |  |  |  |  |   **Item List**   |  |  |  |  | | --- | --- | --- | --- | | Item  GTIN / UPC  Description | Package ID  Lot | Qty Ordered | Qty Shipped | | <Item Number>  <GTIN / UPC>  <Item Description and Size> | <PackageID>  <LotNumber> | <QtyOrd> <UOM> | <QtyShip> <UOM> | | <Item Number>  <GTIN / UPC>  <Item Description and Size> | <PackageID>  <LotNumber> | <QtyOrd> <UOM> | <QtyShip> <UOM> | | … |  |  |  |  |  |  |  | | --- | --- | --- | | <FileName> | Page <x> of <y> | <ASNDate> | |

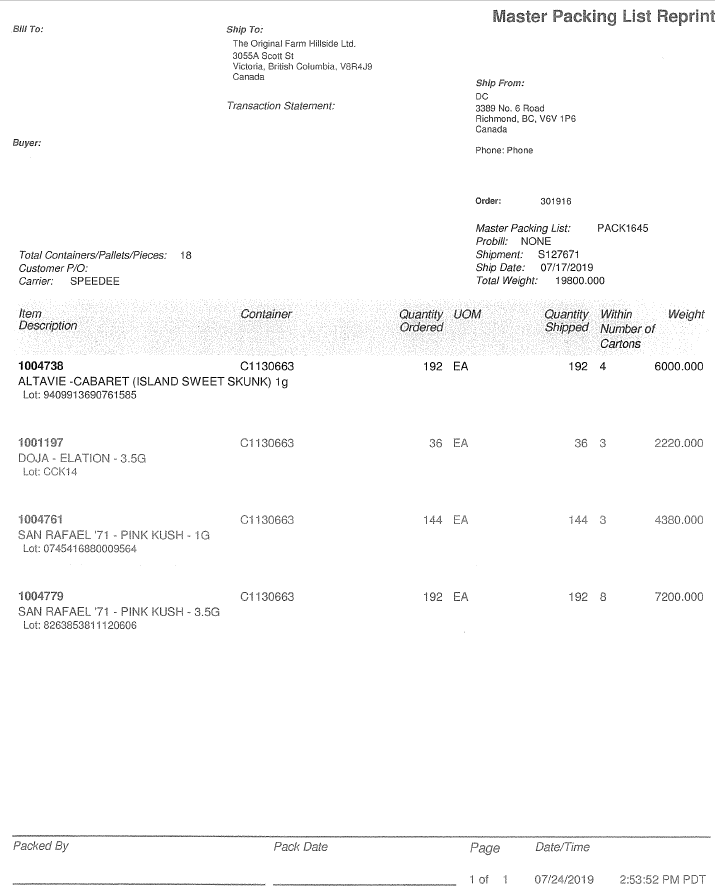
**Version 1.1 Note**: Added “Tracking Number” in Container List above.

## Layout Example

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | |  | **Advance Ship Notice** |  |  |  | | --- | --- | | **Ship To** | **Ship From** | | 450000 | RDC | | The Original Farm Hillside Ltd. | BC Cannabis RDC | | 3055A Scott St | 3389 No. 6 Road | | Victoria, BC V8R 4J9 | Richmond, BC V5X 3V8 |  |  |  |  |  | | --- | --- | --- | --- | | **Shipper Name** | Logistics Department | **Total Pieces** | 18 | | **Shipper Phone** | 604-420-8665 | **Total Weight** | 19800.000 GR | | **Ship Date** | 07/17/2019 | **BOL** | BOL129289 | | **Estimated Delivery Date** |  | **ASN** | ASN123456 | | **Carrier** | SPEEDEE |  |  |  |  |  | | --- | --- | | **Order Numbers** | 301916 |   **Container List**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Container ID | SSCC | Tracking Number | Container Type | Container Count | | C1130663 |  | KPB0000000059 | Pieces | 1 | |  |  |  |  |  |   **Item List**   |  |  |  |  | | --- | --- | --- | --- | | Item  GTIN / UPC  Description | Package ID  Lot | Qty Ordered | Qty Shipped | | 1004738 | C1130663 | 192 EA | 192 EA | | 10628582000293 | 9409913690761585 |  |  | | ALTAVIE – CABARET (ISLAND SWEET SKUNK) 1g | | | | | 1001197 | C1130663 | 36 EA | 36 EA | | 20886708879254 | CCK14 |  |  | | DOJA – ELATION – 3.5G | | | | | 1004761 | C1130663 | 144 EA | 144 EA | | 10628582000347 | 07454168800009564 |  |  | | SAN RAFAEL ’71 – PINK KUSH -1G | | | | | 1004779 | C1130663 | 192 EA | 192 EA | | 10628582000354 | 8263853811120606 |  |  | | SAN RAFAEL ’71 – PINK KUSH – 3.5 G | | | |  |  |  |  | | --- | --- | --- | | ASN123456\_20190717123000.PDF | Page 1 of 1 | 2019-07-17 | |

**Version 1.1 Note**: Added “Tracking Number” in Container List above.

## Packing Slip Example



## Example Notes

Regarding the above examples:

* The information is from a real, production order. Privacy rules apply.
* The Advance Ship Notice Example is a mock-up. The final version may vary in some formatting or details.
* Date format is mm/dd/yyyy , the same as on the current packing slip and BOL
* Some information from the packing slip is not available in the ASN data and thus does not show on the Advance Ship Notice
  + Master Packing List (number)
  + Shipment (number)
  + Probill
  + Item Weight
  + “Within number of cartons”
* Some information in the ASN data is not included in today’s packing slip but is displayed on the Advance Ship Notice
  + ASN (number)
  + GTIN / UPC
  + Customer License Number
  + Contact Name / Phone
* The Package ID may display the package tracking number instead of the container number shown on the Packing Slip Example.
* The page footer allowing for a signature and date is not used and does not apply to electronic Advance Ship Notices and is thus not included in the Advance Ship Notice.
* Estimated Delivery Date is not always available and may be blank.
* SSCC is not always available and may be blank.
* Container Type is currently set to “Pieces”. If in the future TECSYS provides different container type, this may change to “Pallet” or “Case”.

# Appendix A – Layout Option 2 – Hierarchical

This option was not selected . – Do not develop this option

~~Report Header~~

~~└── Container (Page break on each occurrence after first)~~

~~└── Sub-Container (Optional, Applicable only in SOTPI model)~~

~~└── Items (1..N per Sub-Container or Container)~~

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | ~~<Logo>~~ | ~~<Title>~~ |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **~~Ship To~~** | **~~Ship From~~** | **~~Shipper Name~~** | ~~<ContactName>~~ | **~~Phone~~** | ~~<ContactPhone>~~ | | ~~<CustomerName>~~ | ~~<DCName>~~ | **~~Ship Date~~** | ~~<ShipDate>~~ | **~~Total Pieces~~** | ~~<PieceCount>~~ | | ~~<Address>~~ | ~~<Address>~~ | **~~Delivery Date~~** | ~~<DeliveryDate>~~ | **~~Total Weight~~** | ~~<Weight> <uom>~~ | | ~~<City>, <Prov> <PostalCode>~~ | ~~<City>, <Prov> <PostalCode>~~ | **~~Carrier~~** | ~~<CarrierName>~~ |  |  |  |  |  | | --- | --- | | **~~Customer PO#s~~** | ~~<OrderNumberList>~~ |  |  |  | | --- | --- | | ~~Container ID~~ | ~~Container Type~~ | | ~~<PackageID>~~ | ~~<PackageType>~~ |  |  |  | | --- | --- | | ~~Sub-Container ID~~ | ~~Container Type~~ | | ~~<PackageID>~~ | ~~<PackageType>~~ |  |  |  |  |  |  | | --- | --- | --- | --- | --- | | ~~Item~~  ~~Description~~  ~~Lot~~ | ~~Package ID~~  ~~SSCC-18~~ | ~~Qty Ordered~~ | ~~Qty Shipped~~ | ~~Weight~~ | | ~~<Item Number or GTIN, UPC>~~  ~~<Item Description and Size>~~  ~~<LotNumber>~~ | ~~<PackageID>~~  ~~<SSCC-18> <Order>~~ | ~~<QtyOrd> <UOM>~~ | ~~<QtyShip> <UOM>~~ | ~~<Weight> <UOM>~~ | | ~~…~~ |  |  |  |  |  |  |  | | --- | --- | | ~~Sub-Container ID~~ | ~~Container Type~~ | | ~~<PackageID>~~ | ~~<PackageType>~~ |  |  |  |  |  |  | | --- | --- | --- | --- | --- | | ~~Item~~  ~~Description~~  ~~Lot~~ | ~~Package ID~~  ~~SSCC-18~~ | ~~Qty Ordered~~ | ~~Qty Shipped~~ | ~~Weight~~ | | ~~<Item Number or GTIN, UPC>~~  ~~<Item Description and Size>~~  ~~<LotNumber>~~ | ~~<PackageID>~~  ~~<SSCC-18> <Order>~~ | ~~<QtyOrd> <UOM>~~ | ~~<QtyShip> <UOM>~~ | ~~<Weight> <UOM>~~ | | ~~…~~ |  |  |  |  |  |  |  | | --- | --- | |  | ~~Page x of y <ASNDate>~~ |   ~~<PageBreak by Container Type>~~   |  |  | | --- | --- | | ~~Container ID~~ | ~~Container Type~~ | | ~~<PackageID>~~ | ~~<PackageType>~~ |  |  |  |  |  |  | | --- | --- | --- | --- | --- | | ~~Item~~  ~~Description~~  ~~Lot~~ | ~~Package ID~~  ~~SSCC-18~~ | ~~Qty Ordered~~ | ~~Qty Shipped~~ | ~~Weight~~ | | ~~<Item Number or GTIN, UPC>~~  ~~<Item Description and Size>~~  ~~<LotNumber>~~ | ~~<PackageID>~~  ~~<SSCC-18> <Order>~~ | ~~<QtyOrd> <UOM>~~ | ~~<QtyShip> <UOM>~~ | ~~<Weight> <UOM>~~ | | ~~…~~ |  |  |  |  |  |  |  | | --- | --- | |  | ~~Page x of y <ASNDate>~~ | |