ARTS POSLog V6.0

Volume 7: Delivery/Return for Pickup Line Items Technical

Specification

February 10, 2014 – Last Call Working Draft

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- **ARTS XML Best Practices V2.2 2010/11/11**

- **ARTS Best Practice for Process Modeling V1.0.0 2011/01/04**

- **A RTS SOA Best Practices Technical Report V1.2**

- **ARTS XML Interface Conformance Tool Manual V1.0 2005/08/11**

These documents are available for download from http://nrf.com

3. ARTS Common Header
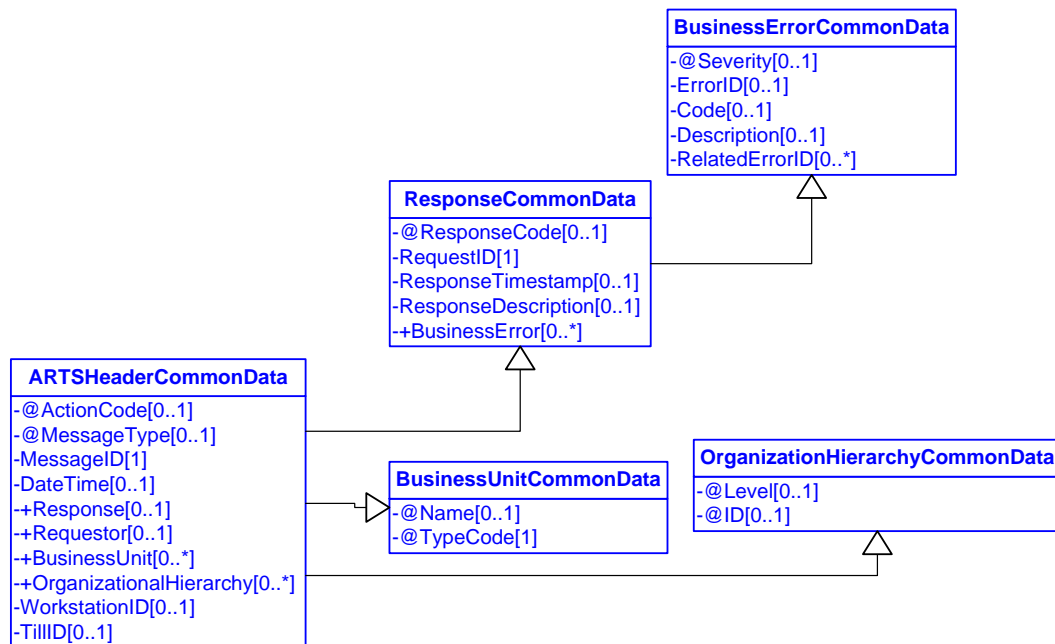
Figure 1: ARTS Common Header Domain View

The ARTS common header is used in all service name schemas. It provides the ability to set session level information and return business error information in one standard format to all SOA implementations.

Figure 2: ARTS Common Header Representation

Since this structure is common to all service name schemas, it will not be replicated below. In place of the details, the attached box will be used to represent this complex type structure.

4. USE CASE: Ship to Different Destination (V2.2)

4.1 Scenario: Ship to Different Destination (V2.2)

Brief Description

Suzy buys a shirt to be shipped to her father, and a flower arraignment to be shipped to her home.

Data

- Items purchased
- Address to where they will be shipped

4.1 Conformance XML Instance Document - Ship to Different Destination

```xml
<?xml version="1.0" encoding="UTF-8"?>
<POSLog xmlns="http://www.nrf-arts.org/IXRetail/namespace/"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.nrf-arts.org/IXRetail/namespace/
../POSLogV6.0.0.xsd"
  MajorVersion="6" MinorVersion="0" FixVersion="0">
  <Transaction>
    <BusinessUnit>
      <UnitID>High Street</UnitID>
    </BusinessUnit>
    <WorkstationID>Register 2</WorkstationID>
    <SequenceNumber>4294967295</SequenceNumber>
    <POSLogDateTime>2001-08-13T08:05:00</POSLogDateTime>
    <OperatorID>John</OperatorID>
    <RetailTransaction>
      <LineItem>
        <SaleForDelivery ItemType="Stock">
          <POSIdentity>
            <POSItemID>1234</POSItemID>
          </POSIdentity>
          <ExtendedAmount>50.00</ExtendedAmount>
          <Delivery>
            <Name><Name>Jones</Name></Name>
            <Address>
              <AddressLine>325 7th St. NW.</AddressLine>
              <AddressLine>Suite 1100</AddressLine>
              <City>Washington</City>
              <Territory>D.C.</Territory>
            </Address>
            <TelephoneNumber>
              <AreaCode>610</AreaCode>
              <LocalNumber>555-4793</LocalNumber>
            </TelephoneNumber>
          </Delivery>
        </SaleForDelivery>
        <SequenceNumber>1</SequenceNumber>
      </LineItem>
```

```xml
        <LineItem>
          <SaleForDelivery ItemType="Stock">
            <POSIdentity>
              <POSItemID>01234567890123</POSItemID>
            </POSIdentity>
            <ExtendedAmount>489.00</ExtendedAmount>
            <Quantity>3</Quantity>
            <Delivery>
              <Name><Name>Smith</Name></Name>
              <Address>
                <AddressLine>325 7th St. NW.</AddressLine>
                <AddressLine>Suite 1</AddressLine>
                <City>Washington</City>
                <Territory>D.C.</Territory>
              </Address>
            </Delivery>
          </SaleForDelivery>
          <SequenceNumber>1</SequenceNumber>
        </LineItem>
      </RetailTransaction>
    </Transaction>
</POSLog>
```

5. Use Case: C. O. D. (Cash on Delivery)

Cash on Delivery (COD) is a form of transaction in which the final payment of an item is handled at the time of delivery, a transaction in which a shipping company and/or carrier collects payment on behalf of the sender. It basically consists of the item amount, tax, shipping and handling fees which appear on a detailed statement and/or receipt. There are some cases where the customer must make a deposit of a certain amount on the occurrence of a COD and there is a choice to either pay the deposit in cash or by credit card. Payment method on delivery can also be chosen, to either be paid in cash or by credit card. However, POS transactions can be left out of consideration since the denomination of payment is managed by the shipping company/carrier who collects the payment.

Although the processes of a COD are based on the store's occurrence of a COD -> COD sale amount -> COD payment, there is a need to take cases like order cancellations mid-delivery process, or returns after COD transactions have been completed, into consideration. The POS will transmit the transaction status regarding these 5 states (Occurred, Sales, Payment, Cancel, Returned) into the host system. Aside from managing the logistical status, the host system can also manage the item's logistic routes such as the delivery store branch or to which store branch to relay to.

5.1 Scenario: Occurrence of a C.O.D. (V2.2)

Brief Description
The operator does the usual item registration, then registers the deposit, and prints out the COD voucher. The COD voucher is made up of 4 vouchers for each and every division. One is a customer's copy, one is a store copy, one is a delivery/distribution center copy and one is a delivery voucher. The POS will store the COD voucher number, deposit, balance, and transaction type in the POSLog.

Pre-Conditions
Post-Conditions
Data

- The following entities are additions to the aforementioned unsettled transaction.
  - Document Number
    Stores the COD voucher number.
  - Deposit
    Stores the deposit.
  - Balance
    Stores the balance (trade debtor).
  - Classification
    Stores the transaction type.
  - Due Date
    Stores the final payment's due date

5.1 Conformance XML Instance Document – Occurrence of a COD

```xml
<?xml version="1.0" encoding="UTF-8"?>
<POSLog xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
   xsi:schemaLocation="http://www.nrf-arts.org/IXRetail/namespace/
../POSLogV6.0.0.xsd"
   xmlns="http://www.nrf-arts.org/IXRetail/namespace/" MajorVersion="6"
MinorVersion="0"
   FixVersion="0">
   <Transaction CODFlag="true">
     <BusinessUnit>
       <UnitID>HighStreet</UnitID>
     </BusinessUnit>
     <WorkstationID>POS5</WorkstationID>
     <SequenceNumber>4294967295</SequenceNumber>
     <POSLogDateTime TypeCode="Transaction">2001-08-
13T09:01:00</POSLogDateTime>
     <OperatorID>John</OperatorID>
     <CODVoucherNumber>12341234</CODVoucherNumber>
     <CustomerOrderTransaction TransactionStatus="Suspended">
       <LineItem>
         <SaleForDelivery>
           <POSIdentity POSIDType="SKU">
             <POSItemID>123</POSItemID>
           </POSIdentity>
           <ExtendedAmount>50.00</ExtendedAmount>
           <OrderItemStatus>Dispatch</OrderItemStatus>
         </SaleForDelivery>
         <SequenceNumber>1</SequenceNumber>
       </LineItem>
       <LineItem>
         <Deposit>
           <AccountNumber>12341234</AccountNumber>
           <Amount>5.00</Amount>
           <BalanceDue>45.00</BalanceDue>
         </Deposit>
```

```xml
            <SequenceNumber>2</SequenceNumber>
          </LineItem>
          <Delivery>
            <Address>
               <AddressLine>123 Main Street</AddressLine>
               <City>Mustang</City>
            </Address>
            <DueDate>2005-08-22</DueDate>
            <TrackingNumber>asdf238940</TrackingNumber>
            <Courier TypeCode="Ground">My Local Truck Company</Courier>
          </Delivery>
      </CustomerOrderTransaction>
    </Transaction>
</POSLog>
```

5.2 Scenario: C.O.D. Shipment (V2.2)

Brief Description
The COD shipment process is carried out at the point were the item is shipped from the delivery/distribution division and their operator retrieves the COD voucher information and inputs the shipping company/carrier name. The POS updates the status and stores it in the POSLog.

Pre-Conditions
Post-Conditions
Data
- The following entities are additions to the aforementioned unsettled transaction.
  - Document Number
    Stores the COD voucher number.
  - Classification
    Stores the transaction type.
  - Company ID
    Stores the shipping company/carrier code.

5.3 Conformance XML Instance Document – COD Shipment

```xml
<?xml version="1.0" encoding="UTF-8"?>
<POSLog xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
   xsi:schemaLocation="http://www.nrf-arts.org/IXRetail/namespace/
../POSLogV6.0.0.xsd"
   xmlns="http://www.nrf-arts.org/IXRetail/namespace/" MajorVersion="6"
MinorVersion="0"
   FixVersion="0">
   <Transaction CODFlag="true">
     <BusinessUnit>
        <UnitID>HighStreet</UnitID>
     </BusinessUnit>
     <WorkstationID>POS5</WorkstationID>
     <SequenceNumber>4294967295</SequenceNumber>
```

```xml
    <POSLogDateTime TypeCode="Transaction">2001-08-
13T09:01:00</POSLogDateTime>
    <OperatorID>John</OperatorID>
    <CODVoucherNumber>12341234</CODVoucherNumber>
    <CustomerOrderTransaction TransactionStatus="Delivered">
      <Delivery>
        <Address>
            <AddressLine>123 Main Street</AddressLine>
            <City>Mustang</City>
        </Address>
        <DueDate>2005-08-22</DueDate>
        <TrackingNumber>asdf238940</TrackingNumber>
        <Courier TypeCode="Ground">My Local Truck Company</Courier>
        <ReceivingBusinessUnit
TypeCode="RetailStore">100</ReceivingBusinessUnit>
      </Delivery>
    </CustomerOrderTransaction>
  </Transaction>
</POSLog>
```

5.3 Scenario: C. O. D. Completion (V2.2)

Brief Description

The Shipping Company/Carrier delivers the item to the shipping address, and the order is received in exchange for the balance due. Then, the amount is deposited by the shipping company/carrier to the store (sender). After the store has confirmed the deposit, the COD Voucher is retrieved from the POS and the deposit amount is stored in the POSLog. At this point, the regular transaction is completed.

Pre-Conditions
Post-Conditions
Data
 - The following entities are additions to the aforementioned unsettled transaction.
   - Document number
     Stores the COD voucher number.
   - Classification
     Stores the transaction type. .
   - Receipt branch ID
     Stores the balance receiving branch code

5.3 Conformance XML Instance Document –COD Completion

```xml
<?xml version="1.0" encoding="UTF-8"?>
<POSLog xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
   xsi:schemaLocation="http://www.nrf-arts.org/IXRetail/namespace/
../POSLogV6.0.0.xsd"
   xmlns="http://www.nrf-arts.org/IXRetail/namespace/" MajorVersion="6"
MinorVersion="0"
   FixVersion="0">
```

```xml
<Transaction CODFlag="true">
  <BusinessUnit>
    <UnitID>HighStreet</UnitID>
  </BusinessUnit>
  <WorkstationID>POS5</WorkstationID>
  <SequenceNumber>4294967295</SequenceNumber>
  <POSLogDateTime TypeCode="Transaction">2001-08-
13T09:01:00</POSLogDateTime>
  <OperatorID>John</OperatorID>
  <CODVoucherNumber>12341234</CODVoucherNumber>
  <RetailTransaction>
    <LineItem>
      <SaleForDelivery>
        <POSIdentity POSIDType="SKU">
          <POSItemID>123</POSItemID>
        </POSIdentity>
        <ExtendedAmount>50.00</ExtendedAmount>
      </SaleForDelivery>
      <SequenceNumber>1</SequenceNumber>
    </LineItem>
    <LineItem>
      <Tender>
        <Amount>50.00</Amount>
      </Tender>
      <SequenceNumber>2</SequenceNumber>
    </LineItem>
    <Delivery>
      <Address>
        <AddressLine>123 Main Street</AddressLine>
        <City>Mustang</City>
      </Address>
      <DueDate>2005-08-22</DueDate>
      <TrackingNumber>asdf238940</TrackingNumber>
      <Courier TypeCode="Ground">My Local Truck Company</Courier>
    </Delivery>
  </RetailTransaction>
</Transaction>
</POSLog>
```

5.4 Scenario: C. O. D. Cancellation (V2.2)

Brief Description

In the case of a customer indicating their intention of canceling their shipping order before an item is shipped by the shipping company/carrier, the delivery process of the item will be cancelled, and the voucher number closed. Cancellation of the trade debtor must also be carried out. In the case of any deposits having been made, they would need to be refunded.

Pre-Conditions
Post-Conditions

Data

- The following entities are additions to the aforementioned unsettled transaction.
  - ➤ Document number
    Stores the COD voucher number.
  - ➤ Classification
    Stores the transaction type.
  - ➤ Deposit
    Deposited amount is stored.

5.4 Conformance XML Instance Document – COD Cancellation

```xml
<?xml version="1.0" encoding="UTF-8"?>
<POSLog xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.nrf-arts.org/IXRetail/namespace/
../POSLogV6.0.0.xsd"
  xmlns="http://www.nrf-arts.org/IXRetail/namespace/" MajorVersion="6"
MinorVersion="0"
  FixVersion="0">
  <Transaction CODFlag="true">
    <BusinessUnit>
      <UnitID>HighStreet</UnitID>
    </BusinessUnit>
    <WorkstationID>POS5</WorkstationID>
    <SequenceNumber>4294967295</SequenceNumber>
    <POSLogDateTime TypeCode="Transaction">2001-08-
13T09:01:00</POSLogDateTime>
    <OperatorID>John</OperatorID>
    <CODVoucherNumber>12341234</CODVoucherNumber>
    <CustomerOrderTransaction TransactionStatus="Canceled">
      <LineItem CancelFlag="true">
        <SaleForDelivery>
          <POSIdentity POSIDType="SKU">
            <POSItemID>123</POSItemID>
          </POSIdentity>
          <ExtendedAmount>500.00</ExtendedAmount>
          <OrderItemStatus>Hold</OrderItemStatus>
        </SaleForDelivery>
        <SequenceNumber>1</SequenceNumber>
      </LineItem>
      <LineItem CancelFlag="true">
        <Deposit>
          <AccountNumber>12341234</AccountNumber>
          <Amount>50.00</Amount>
          <BalanceDue>450.00</BalanceDue>
        </Deposit>
        <SequenceNumber>2</SequenceNumber>
      </LineItem>
      <LineItem>
        <Tender TypeCode="Refund">
          <Amount>50.00</Amount>
        </Tender>
```

```
            <SequenceNumber>2</SequenceNumber>
          </LineItem>
        </CustomerOrderTransaction>
      </Transaction>
</POSLog>
```

5.5 Scenario: C. O. D. for Returned Goods (V2.2)

Brief Description
In the case of a customer indicating their intention of returning an item they have received, returned goods will be accepted, and their money will be fully refunded.

Pre-Conditions
Post-Conditions
Data
- ● The following entities are additions to the aforementioned unsettled transaction.
  - ➢ Document number
    Stores the COD voucher number.
  - ➢ Classification
    Stores the transaction type. .
  - ➢ Deposit
    Stores the refund amount.

5.5 Conformance XML Instance Document – COD for Returned Goods

```xml
<?xml version="1.0" encoding="UTF-8"?>
<POSLog xmlns="http://www.nrf-arts.org/IXRetail/namespace/"
   xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
   xsi:schemaLocation="http://www.nrf-arts.org/IXRetail/namespace/
../POSLogV6.0.0.xsd"
   MajorVersion="6" FixVersion="0" MinorVersion="0">
   <Transaction CODFlag="true">
     <BusinessUnit>
        <UnitID>HighStreet</UnitID>
     </BusinessUnit>
     <WorkstationID>POS5</WorkstationID>
     <SequenceNumber>4294967295</SequenceNumber>
     <POSLogDateTime TypeCode="Transaction">2001-08-
13T09:01:00</POSLogDateTime>
     <OperatorID>John</OperatorID>
     <CODVoucherNumber>12341234</CODVoucherNumber>
     <RetailTransaction>
       <LineItem>
         <Return>
           <POSIdentity POSIDType="SKU">
             <POSItemID>123</POSItemID>
           </POSIdentity>
           <ExtendedAmount>500.00</ExtendedAmount>
         </Return>
         <SequenceNumber>1</SequenceNumber>
       </LineItem>
       <LineItem>
```

```
                <Tender TypeCode="Refund">
                    <Amount>500.00</Amount>
                </Tender>
                <SequenceNumber>2</SequenceNumber>
            </LineItem>
        </RetailTransaction>
    </Transaction>
</POSLog>
```

6. USE CASE: Miscellaneous Delivery Operations

6.1 Scenario: Item Not normally stocked (V6.0)

Brief Description
Normal value indicates that this is a normal item sale for this store, but some sales and returns can be for items that are not normally stocked and this has implications for downstream stock systems and analysis – e.g. do not replenish as item is not supposed to be here, or this item has been returned expect it back at warehouse.

Scenario Description
Piano was purchased at the Julia's Piano Boutique but was delivered from the warehouse directly to Werner's house.

Data
- Identifiers for Store, Workstation, & Operator capturing the transaction.
- The date the transaction was performed
- A workstation assigned sequence number identifying the transaction
- Item sale data, including:
  - An identifier for the item being sold.
  - The number of multiples of the item being sold.
  - Unit price for the item being sold.
  - The extended amount (i.e. Unit price * the number of items being sold)
  - ItemType "DirectToConsumer"
  - NotNormallyStockedFlag Attribute
- Delivery information for the transaction, or for each individual item purchased, including:
  - Name & Address for delivery
  - Preferred delivery method
  - Preferred delivery date & time

6.1 ARTS XML Conformance XML Instance Document – Item Not normally stocked:

```xml
<?xml version="1.0" encoding="UTF-8"?>
<POSLog xmlns="http://www.nrf-arts.org/IXRetail/namespace/"
   xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
   xsi:schemaLocation="http://www.nrf-arts.org/IXRetail/namespace/
../POSLogV6.0.0.xsd"
   MajorVersion="6" MinorVersion="0" FixVersion="0">
  <Transaction>
    <BusinessUnit>
      <UnitID>High Street</UnitID>
    </BusinessUnit>
    <WorkstationID>Register 2</WorkstationID>
    <SequenceNumber>4294967295</SequenceNumber>
    <POSLogDateTime>2001-08-13T08:05:00</POSLogDateTime>
    <OperatorID>John</OperatorID>
    <CustomerOrderTransaction>
```

```xml
<!-- Piano -->
<LineItem>
  <SaleForDelivery ItemType="Stock" ItemSubType="DirectToConsumer"
    NotNormallyStockedFlag="true">
    <ItemID>1234</ItemID>
    <ExtendedAmount>500.00</ExtendedAmount>
  </SaleForDelivery>
  <SequenceNumber>1</SequenceNumber>
</LineItem>
<!-- Deliver here from warehouse -->
<Delivery>
  <Name><Name>Smith</Name></Name>
  <Address>
    <AddressLine>325 7th St. NW.</AddressLine>
    <AddressLine>Suite 1</AddressLine>
    <City>Washington</City>
    <Territory>D.C.</Territory>
  </Address>
  <PreferredLocation DeliverySequenceOrder="First">
    <PreferredDateTime>2001-08-13T08:05:00</PreferredDateTime>
  </PreferredLocation>
</Delivery>
</CustomerOrderTransaction>
</Transaction>
</POSLog>
```

7. Use Case: Item purchase for delivery from store (V2.1)

Brief Description

Customer purchases an item of furniture that's made from re-cycled timber. They want
the exact chosen item, because they like the patina of age on that item. They specifically
do not want 'one just like it' from the warehouse.

Data

- Transaction header data, including:
    - Identifiers for Store, Workstation, & Operator capturing the transaction.
    - The date the transaction was performed
    - A workstation assigned sequence number identifying the transaction
- Item sale data, including:
    - An identifier for the item being sold.
    - The number of multiples of the item being sold.
    - Unit price for the item being sold.
    - The extended amount (i.e. Unit price * the number of items being sold)
- Delivery information for the transaction, or for each individual item purchased,
  including:
    - Name & Address for delivery
    - Preferred delivery method
    - Preferred delivery date & time

7a Conformance XML Instance Document – Item Purchase for Delivery from Store

```xml
<?xml version="1.0" encoding="UTF-8"?>
<!-- UseCase: Item Purchase for Delivery from Store        -->
<!-- Note: Addition of Delivery inside each line item being sold -->
<!-- Absence of InventoryReservation                       -->
<POSLog xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
 xsi:schemaLocation="http://www.nrf-arts.org/IXRetail/namespace/
../POSLogV6.0.0.xsd"
 xmlns="http://www.nrf-arts.org/IXRetail/namespace/" MajorVersion="6"
MinorVersion="0" FixVersion="0">
  <Transaction>
    <BusinessUnit><UnitID Name="High Street">345</UnitID></BusinessUnit>
    <WorkstationID>Register 2</WorkstationID>
    <SequenceNumber>4294967295</SequenceNumber>
    <OperatorID>John</OperatorID>
    <RetailTransaction>
      <LineItem>
        <SaleForDelivery ItemType="Stock">
          <POSIdentity>
            <POSItemID>01234567890123</POSItemID>
          </POSIdentity>
          <ActualSalesUnitPrice>163.00</ActualSalesUnitPrice>
          <ExtendedAmount>489.00</ExtendedAmount>
          <Quantity>3</Quantity>
          <Delivery>
```

```xml
         <Name>
            <Name>Jones</Name></Name>
         <Address>
            <AddressLine>325 7th St. NW.</AddressLine>
            <AddressLine>Suite 1100</AddressLine>
            <City>Washington</City>
            <Territory>D.C.</Territory>
         </Address>
         <TelephoneNumber><AreaCode>610</AreaCode><LocalNumber>555-
4793</LocalNumber></TelephoneNumber>
            </Delivery>
         </SaleForDelivery>
         <SequenceNumber>1</SequenceNumber>
      </LineItem>
   </RetailTransaction>
  </Transaction>
</POSLog>
```

7b Alternative Conformance XML Instance Document – Item Purchase for Delivery from Store

NOTE: Delivery is at the transaction level – saying all the items on this transaction go to this destination

```xml
<?xml version="1.0" encoding="UTF-8"?>
<!-- UseCase: Item Purchase for Delivery from Store        -->
<!-- Note: Addition of ItemDelivery as part of transaction header -->
<!-- Absence of InventoryReservation                       -->
<POSLog xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
 xsi:schemaLocation="http://www.nrf-arts.org/IXRetail/namespace/
../POSLogV6.0.0.xsd"
 xmlns="http://www.nrf-arts.org/IXRetail/namespace/" MajorVersion="6"
MinorVersion="0" FixVersion="0">
  <Transaction>
    <BusinessUnit><UnitID Name="High Street"></UnitID></BusinessUnit>
    <WorkstationID>Register 2</WorkstationID>
    <SequenceNumber>4294967295</SequenceNumber>
    <OperatorID>John</OperatorID>
    <RetailTransaction>
      <LineItem>
        <SaleForDelivery ItemType="Stock">
          <POSIdentity>
            <POSItemID>01234567890123</POSItemID>
          </POSIdentity>
          <ExtendedAmount>489.00</ExtendedAmount>
          <Quantity>3</Quantity>
        </SaleForDelivery>
        <SequenceNumber>1</SequenceNumber>
      </LineItem>
      <Total TotalType="TransactionGrossAmount">489.00</Total>
      <Delivery>
```

```
<Name><Name>Jones</Name></Name>
<Address>
    <AddressLine>325 7th St. NW.</AddressLine>
    <AddressLine>Suite 1100</AddressLine>
    <City>Washington</City>
    <Territory>D.C.</Territory>
</Address>
<TelephoneNumber><AreaCode>610</AreaCode><LocalNumber>555-
4793</LocalNumber></TelephoneNumber>
    </Delivery>
  </RetailTransaction>
</Transaction>
</POSLog>
```

8. Use Case: Item purchase for delivery from warehouse (V2.1)

Brief Description

Customer purchases an item of furniture for delivery. The Cashier arranges delivery of 'one just like it' from the warehouse.

Data

- Transaction header data, including:
  - o Identifiers for Store, Workstation, & Operator performing the transaction.
  - o The date the transaction was performed
  - o A workstation assigned sequence number identifying the transaction
- Item sale data, including:
  - o An identifier for the item being sold.
  - o The number of multiples of the item being sold.
  - o Unit price for the item being sold.
  - o The extended amount (i.e. Unit price * the number of items being sold)
  - o Inventory reservation tracking number
- Delivery information for the transaction, or for each individual item purchased, including:
  - o Name & Address for delivery
  - o Preferred delivery method
  - o Preferred delivery date & time

8a Conformance XML Instance Document – Item Purchase for Delivery from Warehouse

NOTE: Delivery is from the warehouse to the destination at the item level

```xml
<?xml version="1.0" encoding="UTF-8"?>
<!-- UseCase: Item Purchase for Delivery from Warehouse        -->
<!-- Note: Addition of Delivery inside each line item being sold -->
<!--       Addition of InventoryReservation and From (warehouse) -->
<POSLog xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
 xsi:schemaLocation="http://www.nrf-arts.org/IXRetail/namespace/
../POSLogV6.0.0.xsd"
 xmlns="http://www.nrf-arts.org/IXRetail/namespace/" MajorVersion="6"
MinorVersion="0" FixVersion="0">
  <Transaction>
    <BusinessUnit><UnitID Name="High Street">123123</UnitID></BusinessUnit>
    <WorkstationID>Register 2</WorkstationID>
    <SequenceNumber>4294967295</SequenceNumber>
    <OperatorID>John</OperatorID>
    <RetailTransaction>
      <LineItem>
        <SaleForDelivery ItemType="Stock">
          <POSIdentity>
            <POSItemID>01234567890123</POSItemID>
          </POSIdentity>
          <ExtendedAmount>489.00</ExtendedAmount>
          <Quantity>3</Quantity>
```

```xml
          <Delivery>
            <Name><Name>Jones</Name></Name>
            <Address>
                <AddressLine>325 7th St. NW.</AddressLine>
                <AddressLine>Suite 1100</AddressLine>
                <City>Washington</City>
                <Territory>D.C.</Territory>
            </Address>
            <TelephoneNumber><AreaCode>610</AreaCode><LocalNumber>555-
4793</LocalNumber></TelephoneNumber>
          </Delivery>
          <From>Main Warehouse</From>
        </SaleForDelivery>
        <SequenceNumber>1</SequenceNumber>
      </LineItem>
    </RetailTransaction>
  </Transaction>
</POSLog>
```

8b Alternative Conformance XML Instance Document – Item Purchase for Delivery from Warehouse

NOTE: Delivery of this transaction is to the destination and the item comes from the warehouse

```xml
<?xml version="1.0" encoding="UTF-8"?>
<!-- UseCase: Item Purchase for Delivery from Warehouse        -->
<!-- Note: Addition of ItemDelivery as part of transaction header  -->
<!--       Addition of InventoryReservation and From (warehouse)   -->
<POSLog xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
 xsi:schemaLocation="http://www.nrf-arts.org/IXRetail/namespace/
../POSLogV6.0.0.xsd"
 xmlns="http://www.nrf-arts.org/IXRetail/namespace/" MajorVersion="6"
MinorVersion="0" FixVersion="0">
  <Transaction>
    <BusinessUnit><UnitID Name="High Street">52345</UnitID></BusinessUnit>
    <WorkstationID>Register 2</WorkstationID>
    <SequenceNumber>4294967295</SequenceNumber>
    <OperatorID>John</OperatorID>
    <RetailTransaction>
      <LineItem>
        <SaleForDelivery ItemType="Stock">
          <POSIdentity>
            <POSItemID>01234567890123</POSItemID>
          </POSIdentity>
          <ExtendedAmount>489.00</ExtendedAmount>
          <Quantity>3</Quantity>
          <From>Main Warehouse</From>
        </SaleForDelivery>
        <SequenceNumber>1</SequenceNumber>
      </LineItem>
```

```xml
            <Total TotalType="TransactionGrossAmount">489.00</Total>
            <Delivery>
              <Name>
                 <Name>Jones</Name>
              </Name>
              <Address>
                 <AddressLine>325 7th St. NW.</AddressLine>
                 <AddressLine>Suite 1100</AddressLine>
                 <City>Washington</City>
                 <Territory>D.C.</Territory>
              </Address>
              <TelephoneNumber>
                 <AreaCode>610</AreaCode>
                 <LocalNumber>555-4793</LocalNumber>
              </TelephoneNumber>
            </Delivery>
        </RetailTransaction>
      </Transaction>
</POSLog>
```

9. USE CASE: Item purchase for delivery directly from manufacturer or supplier (V6.0)

Brief Description
A Customer Order has been placed for an item which is not actually stocked by the store in question but comes instead directly to the customer from either manufacturer or supplier. A "DirectToConsumer" item subtype attribute is used to identify this situation in that it deals with any item which bypasses the store and goes directly to the consumer.

The item type is "Stock" to indicate this is an item in the retailer's stock. The further refinement of "DirectToConsumer" says it is not stocked in the store and in fact may not be physically in the vendor's inventory but come from the manufacturer, supplier, etc.

The store stock system would not need to do anything with stock levels for the item (even if there actually existed a stock record for it for examp a display item; stock=1 but you would never sell that particular one).

BPMN Diagram

Pre-Conditions
Item is not in stock at store
Post-Conditions

9.1 Scenario: Order Action (V6.0)

Brief Description
Scenario Description
Joe orders furniture from a store to be delivered to his office. The item is not on stock and will be delivered directly from the manufacturer or supplier.

Data
- Transaction header data, including:
    - Identifiers for Store, Workstation, & Operator capturing the transaction.
    - The date the transaction was performed
    - A workstation assigned sequence number identifying the transaction
- Item sale data, including:
    - An identifier for the item being sold.
    - The number of multiples of the item being sold.
    - Unit price for the item being sold.
    - The extended amount (i.e. Unit price * the number of items being sold)
    - ItemSubType "DirectToConsumer"
- Delivery information for the transaction, or for each individual item purchased, including:
    - Name & Address for delivery
    - Preferred delivery method
    - Preferred delivery date & time

9.1 ARTS XML Conformance XML Instance Document – Order Action Request:

```
<?xml version="1.0" encoding="UTF-8"?>
<POSLog xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
```

```xml
    xsi:schemaLocation="http://www.nrf-arts.org/IXRetail/namespace/
../POSLogV6.0.0.xsd"
    xmlns="http://www.nrf-arts.org/IXRetail/namespace/" MajorVersion="6"
MinorVersion="0"
    FixVersion="0">
    <Transaction>
      <BusinessUnit>
        <UnitID>LocalStore</UnitID>
      </BusinessUnit>
      <WorkstationID>Register 2</WorkstationID>
      <SequenceNumber>4294967295</SequenceNumber>
      <OperatorID>John</OperatorID>
      <CustomerOrderTransaction>
        <LineItem>
          <SaleForDelivery ItemSubType="DirectToConsumer">
            <POSIdentity>
              <POSItemID>01234567890123</POSItemID>
            </POSIdentity>
            <ExtendedAmount>25.00</ExtendedAmount>
            <Quantity>3</Quantity>
          </SaleForDelivery>
          <SequenceNumber>1</SequenceNumber>
        </LineItem>
        <Delivery>
          <Name>
            <Name>Jones</Name>
          </Name>
          <Address>
            <AddressLine>325 7th St. NW.</AddressLine>
            <City>Washington</City>
            <Territory>D.C.</Territory>
          </Address>
          <TelephoneNumber>
            <AreaCode>610</AreaCode>
            <LocalNumber>555-4793</LocalNumber>
          </TelephoneNumber>
        </Delivery>
      </CustomerOrderTransaction>
    </Transaction>
</POSLog>
```

9.1 ARTS XML Conformance XML Instance Document – Order Action Response:

NOTE: Delivery is at the item level – saying this item is going to this destination
Shows how to provide alternate destinations for individual line items.

```xml
<?xml version="1.0" encoding="UTF-8"?>
<POSLog xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:schemaLocation="http://www.nrf-arts.org/IXRetail/namespace/
../POSLogV6.0.0.xsd"
    xmlns="http://www.nrf-arts.org/IXRetail/namespace/" MajorVersion="6"
```

```
MinorVersion="0"
  FixVersion="0">
  <Transaction>
    <BusinessUnit>
      <UnitID>Local Pizzeria</UnitID>
    </BusinessUnit>
    <WorkstationID>Register 2</WorkstationID>
    <SequenceNumber>4294967295</SequenceNumber>
    <OperatorID>John</OperatorID>
    <CustomerOrderTransaction>
      <LineItem>
        <SaleForDelivery ItemSubType="DirectToConsumer">
          <ItemID>01234567890123</ItemID>
          <ActualSalesUnitPrice>163.00</ActualSalesUnitPrice>
          <ExtendedAmount>25.00</ExtendedAmount>
          <Quantity>3</Quantity>
          <Delivery>
            <Name>
              <Name>Jones</Name>
            </Name>
            <Address>
              <AddressLine>325 7th St. NW.</AddressLine>
              <AddressLine>Suite 1100</AddressLine>
              <City>Washington</City>
              <Territory>D.C.</Territory>
            </Address>
            <TelephoneNumber>
              <AreaCode>610</AreaCode>
              <LocalNumber>555-4793</LocalNumber>
            </TelephoneNumber>
          </Delivery>
        </SaleForDelivery>
        <SequenceNumber>1</SequenceNumber>
      </LineItem>
    </CustomerOrderTransaction>
  </Transaction>
</POSLog>
```

9.2 Scenario: Multiple Delivery Addresses (V6.0)

Brief Description

The customer buys some items which he does not want to take with him immediately, but to have shipped to him. For this purpose he declares multiple delivery addresses and the order in which they should be applied.

Scenario Description

The customer comes to the store because he wants to purchase a medicine he urgently needs. As it is not available in the moment the cashier tells him that they expect the

medicine later in the afternoon and that they will deliver it to him as soon as it will be available. The customer is not sure where he will be at that time. So he gives two delivery addresses to the cashier and prioritizes them according the probability.

Assumption
Pre-Conditions
Post-Conditions
Data

- Preferred Location – to handle Multiple delivery information - for the transaction, or for the item purchased (it could be done both ways as in this scenario, the customer buys only one single item) - each including:

  - Address for delivery
  - Delivery Sequence Order - Its sequence within the complete list of delivery addresses - This deals with trying to deliver a package to a home address or maybe the neighbors address in the event the customer won't be home.

9.2 ARTS XML Conformance XML Instance Document – Multiple Delivery Addresses:

```xml
<?xml version="1.0" encoding="UTF-8"?>
<POSLog xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.nrf-arts.org/IXRetail/namespace/
../POSLogV6.0.0.xsd"
  xmlns="http://www.nrf-arts.org/IXRetail/namespace/" MajorVersion="6"
MinorVersion="0"
  FixVersion="0">
  <Transaction>
    <BusinessUnit>
      <UnitID>Local Pizzeria</UnitID>
    </BusinessUnit>
    <WorkstationID>Register 2</WorkstationID>
    <SequenceNumber>4294967295</SequenceNumber>
    <OperatorID>John</OperatorID>
    <CustomerOrderTransaction>
      <LineItem>
        <SaleForDelivery ItemSubType="DirectToConsumer">
          <ItemID>01234567890123</ItemID>
          <ActualSalesUnitPrice>163.00</ActualSalesUnitPrice>
          <ExtendedAmount>25.00</ExtendedAmount>
          <Quantity>3</Quantity>
          <Delivery>
            <Name>
              <Name>Jones</Name>
            </Name>
            <TelephoneNumber>
              <AreaCode>610</AreaCode>
              <LocalNumber>555-4793</LocalNumber>
            </TelephoneNumber>
            <!-- Home Address -->
            <PreferredLocation DeliverySequenceOrder="First">
              <PreferredAddress>
```

```xml
            <AddressLine>325 7th St. NW.</AddressLine>
            <City>Washington</City>
            <Territory>D.C.</Territory>
          </PreferredAddress>
        </PreferredLocation>
        <!-- Next Door -->
        <PreferredLocation DeliverySequenceOrder="Second">
          <PreferredAddress>
            <AddressLine>327 7th St. NW.</AddressLine>
            <City>Washington</City>
            <Territory>D.C.</Territory>
          </PreferredAddress>
        </PreferredLocation>
      </Delivery>
    </SaleForDelivery>
    <SequenceNumber>1</SequenceNumber>
  </LineItem>
</CustomerOrderTransaction>
</Transaction>
</POSLog>
```

9.3 Scenario: Special Delivery Instructions (V6.0)

Brief Description

The customer buys items which he does not want to take with him immediately, but to have shipped to him. For this purpose he declares a delivery address and additional information which is important for successful delivery.

Scenario Description

In the store the customer purchases items of furniture for delivery. He tells the cashier that all items should be delivered to the same place and that the delivery person should ring at the neighbor's house and ask the neighbor for the key as he won't be able to be at home at the time when the furniture will be delivered. The cashier takes care that this specific information reaches the delivery person.

Assumption
Pre-Conditions
Post-Conditions
Data

*   Delivery information - for the transaction, including:
    *   Address for delivery
    *   Special instruction for delivery – Logical Data Model 2340 (RetailTransactionDeliveryPreference/SpecialInstructions) – "put under the bench on the front porch"

9.3 ARTS XML Conformance XML Instance Document – Special Delivery Instructions

```xml
<?xml version="1.0" encoding="UTF-8"?>
<POSLog xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
```

```
   xsi:schemaLocation="http://www.nrf-arts.org/IXRetail/namespace/
../POSLogV6.0.0.xsd"
   xmlns="http://www.nrf-arts.org/IXRetail/namespace/" MajorVersion="6"
MinorVersion="0"
   FixVersion="0">
   <Transaction>
     <BusinessUnit>
       <UnitID>Local Pizzeria</UnitID>
     </BusinessUnit>
     <WorkstationID>Register 2</WorkstationID>
     <SequenceNumber>4294967295</SequenceNumber>
     <OperatorID>John</OperatorID>
     <CustomerOrderTransaction>
       <LineItem>
         <SaleForDelivery ItemSubType="DirectToConsumer">
           <ItemID>01234567890123</ItemID>
           <ActualSalesUnitPrice>163.00</ActualSalesUnitPrice>
           <ExtendedAmount>25.00</ExtendedAmount>
           <Quantity>3</Quantity>
         </SaleForDelivery>
         <SequenceNumber>1</SequenceNumber>
       </LineItem>
       <Delivery>
         <Name>
           <Name>Jones</Name>
         </Name>
         <Address>
           <AddressLine>325 7th St. NW.</AddressLine>
           <City>Washington</City>
           <Territory>D.C.</Territory>
         </Address>
         <TelephoneNumber>
           <AreaCode>610</AreaCode>
           <LocalNumber>555-4793</LocalNumber>
         </TelephoneNumber>
         <PreferredLocation>
           <SpecialInstructions>Ask the neighbor for the key</SpecialInstructions>
         </PreferredLocation>
       </Delivery>
     </CustomerOrderTransaction>
   </Transaction>
</POSLog>
```

9.4 Scenario: ActualShipDateTime (V6.0)

Brief Description

– Relates to Preferred Location Use Case

This is to record when the item was actually delivered to the customer. So the item was shipped on one date/time and delivered on another. This is to help track deliveries.

Scenario Description
Fred ordered a box of lemons. They were shipped from the farm on 02/02/2012 and delivered on 04/02/2012 (rotten lemons).

Assumption
Pre-Conditions
Post-Conditions

Data
* Delivery information - for the transaction, including:
  * Address for delivery
  * Special instruction for delivery

9.4 ARTS XML Conformance XML Instance Document – ActualShipDateTime:

```xml
<?xml version="1.0" encoding="UTF-8"?>
<POSLog xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
   xsi:schemaLocation="http://www.nrf-arts.org/IXRetail/namespace/
../POSLogV6.0.0.xsd"
   xmlns="http://www.nrf-arts.org/IXRetail/namespace/" MajorVersion="6"
MinorVersion="0"
   FixVersion="0">
  <Transaction>
    <BusinessUnit>
      <UnitID>Local Pizzeria</UnitID>
    </BusinessUnit>
    <WorkstationID>Register 2</WorkstationID>
    <SequenceNumber>4294967295</SequenceNumber>
    <OperatorID>John</OperatorID>
    <!-- NOTE: Retail Transaction because items are tendered and delivered -->
    <RetailTransaction TransactionStatus="Delivered">
      <LineItem>
        <SaleForDelivery ItemSubType="DirectToConsumer">
          <ItemID>01234567890123</ItemID>
          <ActualSalesUnitPrice>163.00</ActualSalesUnitPrice>
          <ExtendedAmount>25.00</ExtendedAmount>
          <Quantity>3</Quantity>
        </SaleForDelivery>
        <SequenceNumber>1</SequenceNumber>
      </LineItem>
      <Delivery>
        <Name>
          <Name>Jones</Name>
        </Name>
        <Address>
          <AddressLine>325 7th St. NW.</AddressLine>
          <City>Washington</City>
          <Territory>D.C.</Territory>
        </Address>
```

```xml
            <TelephoneNumber>
               <AreaCode>610</AreaCode>
               <LocalNumber>555-4793</LocalNumber>
            </TelephoneNumber>
            <ActualShipDateTime>2012-02-02T08:05:00</ActualShipDateTime>
            <ActualDeliveryDateTime>2012-02-04T08:05:00</ActualDeliveryDateTime>
            <PreferredLocation>
               <SpecialInstructions>Ask the neighbor for the key</SpecialInstructions>
            </PreferredLocation>
         </Delivery>
      </RetailTransaction>
   </Transaction>
</POSLog>
```

10. Use Case: Shipment Request to 3PL

Digital System will send Sales Order Information to 3PL partner to fulfill the order.

10.1 Scenario: Value Added Services information

Brief Description
Scheduled Delivery Date, COD

Scenario Description
Fred ordered a new stove and wanted it delivered on Sat April 1, 2013. He will pay $450 when it arrives at his house.

Data
- Due Date
- Amount Due
- COD Order
- COD Voucher

10.1 Conformance XML Instance Document – Value Added Services information

```xml
<?xml version="1.0" encoding="UTF-8"?>
<POSLog xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
   xsi:schemaLocation="http://www.nrf-arts.org/IXRetail/namespace/
../POSLogV6.0.0.xsd"
   xmlns="http://www.nrf-arts.org/IXRetail/namespace/" MajorVersion="6"
MinorVersion="0"
   FixVersion="0">
  <Transaction>
    <BusinessUnit>
      <UnitID>Kitchen Store</UnitID>
    </BusinessUnit>
    <WorkstationID>Register 2</WorkstationID>
    <SequenceNumber>4294967295</SequenceNumber>
    <OperatorID>John</OperatorID>
    <!-- This is not a finished retail transaction until tendered and delivered -->
    <CustomerOrderTransaction>
      <!-- This is a COD Order -->
      <LineItem CODFlag="true">
        <SaleForDelivery ItemSubType="DirectToConsumer">
          <ItemID>01234567890123</ItemID>
          <ExtendedAmount>460.00</ExtendedAmount>
          <Delivery>
            <Name>
              <Name>Jones</Name>
            </Name>
            <Address>
              <AddressLine>325 7th St. NW.</AddressLine>
              <City>Washington</City>
              <Territory>D.C.</Territory>
            </Address>
```

```xml
            <!-- This is when it is to be delivered -->
            <DueDate>2013-04-01</DueDate>
          </Delivery>
        </SaleForDelivery>
        <SequenceNumber>1</SequenceNumber>
        <!-- Associated Voucher Number -->
        <CODVoucherNumber>asdf2345</CODVoucherNumber>
      </LineItem>
    </CustomerOrderTransaction>
  </Transaction>
</POSLog>
```

10.2 Scenario: Special charges and discounts

Brief Description

Scenario Description
Fred ordered a new stove and wanted it delivered on Sat April 1, 2013. He will pay $450 when it arrives at his house. There is a $20 fee for the COD purchase.

Data
- COD fee

10.2 Conformance XML Instance Document – Special charges and discounts

```xml
<?xml version="1.0" encoding="UTF-8"?>
<POSLog xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.nrf-arts.org/IXRetail/namespace/
../POSLogV6.0.0.xsd"
  xmlns="http://www.nrf-arts.org/IXRetail/namespace/" MajorVersion="6"
MinorVersion="0"
  FixVersion="0">
  <Transaction>
    <BusinessUnit>
      <UnitID>Kitchen Store</UnitID>
    </BusinessUnit>
    <WorkstationID>Register 2</WorkstationID>
    <SequenceNumber>4294967295</SequenceNumber>
    <OperatorID>John</OperatorID>
    <!-- This is not a finished retail transaction until tendered and delivered -->
    <CustomerOrderTransaction>
      <!-- This is a COD Order -->
      <LineItem CODFlag="true">
        <SaleForDelivery ItemSubType="DirectToConsumer">
          <ItemID>01234567890123</ItemID>
          <ExtendedAmount>460.00</ExtendedAmount>
          <Delivery>
            <Name>
              <Name>Jones</Name>
            </Name>
            <Address>
```

```xml
                    <AddressLine>325 7th St. NW.</AddressLine>
                    <City>Washington</City>
                    <Territory>D.C.</Territory>
                 </Address>
                 <!-- This is when it is to be delivered -->
                 <DueDate>2013-04-01</DueDate>
              </Delivery>
           </SaleForDelivery>
           <SequenceNumber>1</SequenceNumber>
           <!-- Associated Voucher Number -->
           <CODVoucherNumber>asdf2345</CODVoucherNumber>
        </LineItem>
        <!-- This is the COD Fee -->
        <LineItem CODFlag="true">
           <SaleForDelivery ItemType="Fee">
              <ItemID>1123321123</ItemID>
              <ExtendedAmount>20.00</ExtendedAmount>
              <ItemLink>1</ItemLink>
           </SaleForDelivery>
           <SequenceNumber>2</SequenceNumber>
        </LineItem>
     </CustomerOrderTransaction>
   </Transaction>
</POSLog>
```

10.3 Scenario: Special Shipping and Handling Requirements.

Brief Description
Gift Message to be added to the package

Scenario Description

Data
- Message on the individual line item

10.3 Conformance XML Instance Document – Special Shipping and Handling Requirements

```xml
<?xml version="1.0" encoding="UTF-8"?>
<POSLog xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
   xsi:schemaLocation="http://www.nrf-arts.org/IXRetail/namespace/
../POSLogV6.0.0.xsd"
   xmlns="http://www.nrf-arts.org/IXRetail/namespace/" MajorVersion="6"
MinorVersion="0"
   FixVersion="0">
   <Transaction>
     <BusinessUnit>
        <UnitID>Kitchen Store</UnitID>
     </BusinessUnit>
     <WorkstationID>Register 2</WorkstationID>
     <SequenceNumber>4294967295</SequenceNumber>
     <OperatorID>John</OperatorID>
```

```xml
<!-- This is not a finished retail transaction until tendered and delivered -->
<CustomerOrderTransaction>
    <!-- This is a COD Order -->
    <LineItem CODFlag="true">
        <SaleForDelivery ItemSubType="DirectToConsumer">
            <ItemID>01234567890123</ItemID>
            <ExtendedAmount>460.00</ExtendedAmount>
            <!-- Message to be added to this line item -->
            <ReceiptLine>Happy Birthday</ReceiptLine>
            <Delivery>
                <Name>
                    <Name>Jones</Name>
                </Name>
                <Address>
                    <AddressLine>325 7th St. NW.</AddressLine>
                    <City>Washington</City>
                    <Territory>D.C.</Territory>
                </Address>
                <!-- This is when it is to be delivered -->
                <DueDate>2013-04-01</DueDate>
            </Delivery>

        </SaleForDelivery>
        <SequenceNumber>1</SequenceNumber>
        <!-- Associated Voucher Number -->
        <CODVoucherNumber>asdf2345</CODVoucherNumber>
    </LineItem>
</CustomerOrderTransaction>
</Transaction>
</POSLog>
```

11. Use Case: Status Update

Digital needs updates from 3PL to inform about state changes as the order gets picked, packed, shipped etc

11.1 Scenario: Cancel the order fulfillment due to inventory shortages

Brief Description

Scenario Description
Fred Jones bought a new piano but due to an inventory shortage, he decides to cancel his order.

Data
- Cancel the transaction
- Reason for the cancellation

11.1 Conformance XML Instance Document – Cancel the Order Fulfillment due to Inventory Shortage

```xml
<?xml version="1.0" encoding="UTF-8"?>
<POSLog xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.nrf-arts.org/IXRetail/namespace/
../POSLogV6.0.0.xsd"
  xmlns="http://www.nrf-arts.org/IXRetail/namespace/" MajorVersion="6"
MinorVersion="0"
  FixVersion="0">
  <Transaction>
    <BusinessUnit>
      <UnitID>Kitchen Store</UnitID>
    </BusinessUnit>
    <WorkstationID>Register 2</WorkstationID>
    <SequenceNumber>4294967295</SequenceNumber>
    <OperatorID>John</OperatorID>
    <!-- This is not a finished retail transaction until tendered and delivered -->
    <CustomerOrderTransaction TransactionStatus="Canceled">
      <!-- This is a COD Order -->
      <LineItem CODFlag="true">
        <SaleForDelivery ItemSubType="DirectToConsumer">
          <ItemID>01234567890123</ItemID>
          <ExtendedAmount>460.00</ExtendedAmount>
          <!-- Message to be added to this line item -->
          <ReceiptLine>Happy Birthday</ReceiptLine>
          <Delivery>
            <Name>
              <Name>Jones</Name>
            </Name>
            <Address>
              <AddressLine>325 7th St. NW.</AddressLine>
              <City>Washington</City>
```

```xml
                    <Territory>D.C.</Territory>
                </Address>
                <!-- This is when it is to be delivered -->
                <DueDate>2013-04-01</DueDate>
            </Delivery>
        </SaleForDelivery>
        <SequenceNumber>1</SequenceNumber>
        <!-- Associated Voucher Number -->
        <CODVoucherNumber>asdf2345</CODVoucherNumber>
    </LineItem>
    <Reason>Inventory shortage</Reason>
  </CustomerOrderTransaction>
 </Transaction>
</POSLog>
```

11.2 Scenario: Split one order into two shipments due to some other reasons

Brief Description

Scenario Description
Order was split to send part to one address and another to a different address

Data

11.2 Conformance XML Instance Document – Split one order into two shipments due to some other reasons – Original Transaction

```xml
<?xml version="1.0" encoding="UTF-8"?>
<POSLog xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.nrf-arts.org/IXRetail/namespace/
../POSLogV6.0.0.xsd"
  xmlns="http://www.nrf-arts.org/IXRetail/namespace/" MajorVersion="6"
MinorVersion="0"
  FixVersion="0">
  <Transaction>
    <BusinessUnit>
      <UnitID>Home Repair</UnitID>
    </BusinessUnit>
    <WorkstationID>Register 2</WorkstationID>
    <SequenceNumber>4294967295</SequenceNumber>
    <OperatorID>John</OperatorID>
    <CustomerOrderTransaction>
      <LineItem>
        <SaleForDelivery ItemSubType="DirectToConsumer">
          <ItemID>01234567890123</ItemID>
          <ActualSalesUnitPrice>163.00</ActualSalesUnitPrice>
          <ExtendedAmount>25.00</ExtendedAmount>
          <Quantity>3</Quantity>
          <Delivery>
            <Name>
```

```xml
                  <Name>Jones</Name>
               </Name>
               <Address>
                  <AddressLine>325 7th St. NW.</AddressLine>
                  <City>Washington</City>
                  <Territory>D.C.</Territory>
               </Address>
            </Delivery>
         </SaleForDelivery>
         <SequenceNumber>1</SequenceNumber>
      </LineItem>
      <LineItem>
         <SaleForDelivery ItemSubType="DirectToConsumer">
            <ItemID>asdfasd</ItemID>
            <ActualSalesUnitPrice>163.00</ActualSalesUnitPrice>
            <ExtendedAmount>25.00</ExtendedAmount>
            <Quantity>3</Quantity>
            <Delivery>
               <Name>
                  <Name>Fred</Name>
               </Name>
               <Address>
                  <AddressLine>123 Main</AddressLine>
                  <City>Washington</City>
                  <Territory>D.C.</Territory>
               </Address>
            </Delivery>
         </SaleForDelivery>
         <SequenceNumber>1</SequenceNumber>
      </LineItem>
    </CustomerOrderTransaction>
  </Transaction>
</POSLog>
```

11.2a Conformance XML Instance Document – Split one order into two shipments due to some other reasons – Delivery Address 1

```xml
<?xml version="1.0" encoding="UTF-8"?>
<POSLog xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
   xsi:schemaLocation="http://www.nrf-arts.org/IXRetail/namespace/
../POSLogV6.0.0.xsd"
   xmlns="http://www.nrf-arts.org/IXRetail/namespace/" MajorVersion="6"
MinorVersion="0"
   FixVersion="0">
   <Transaction>
      <BusinessUnit>
         <UnitID>Home Repair</UnitID>
      </BusinessUnit>
      <WorkstationID>Register 2</WorkstationID>
      <SequenceNumber>4294967295</SequenceNumber>
      <OperatorID>John</OperatorID>
```

```xml
<CustomerOrderTransaction>
  <LineItem>
    <SaleForDelivery ItemSubType="DirectToConsumer">
      <ItemID>01234567890123</ItemID>
      <ActualSalesUnitPrice>163.00</ActualSalesUnitPrice>
      <ExtendedAmount>25.00</ExtendedAmount>
      <Quantity>3</Quantity>
      <!-- the original transaction and line item -->
      <TransactionLink>
        <TransactionID>4294967295</TransactionID>
        <LineItemSequenceNumber>1</LineItemSequenceNumber>
      </TransactionLink>
      <Delivery>
        <Name>
          <Name>Jones</Name>
        </Name>
        <Address>
          <AddressLine>325 7th St. NW.</AddressLine>
          <City>Washington</City>
          <Territory>D.C.</Territory>
        </Address>
      </Delivery>
    </SaleForDelivery>
    <SequenceNumber>1</SequenceNumber>
  </LineItem>
</CustomerOrderTransaction>
</Transaction>
</POSLog>
```

11.2b Conformance XML Instance Document – Split one order into two shipments due to some other reasons – Delivery Address 2

```xml
<?xml version="1.0" encoding="UTF-8"?>
<POSLog xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.nrf-arts.org/IXRetail/namespace/
../POSLogV6.0.0.xsd"
  xmlns="http://www.nrf-arts.org/IXRetail/namespace/" MajorVersion="6"
MinorVersion="0"
  FixVersion="0">
  <Transaction>
    <BusinessUnit>
      <UnitID>Home Repair</UnitID>
    </BusinessUnit>
    <WorkstationID>Register 2</WorkstationID>
    <SequenceNumber>9876</SequenceNumber>
    <OperatorID>John</OperatorID>
    <CustomerOrderTransaction>
      <LineItem>
        <SaleForDelivery ItemSubType="DirectToConsumer">
          <ItemID>asdfasd</ItemID>
```

```xml
            <ActualSalesUnitPrice>163.00</ActualSalesUnitPrice>
            <ExtendedAmount>25.00</ExtendedAmount>
            <Quantity>3</Quantity>
            <TransactionLink>
               <TransactionID>4294967295</TransactionID>
               <LineItemSequenceNumber>2</LineItemSequenceNumber>
            </TransactionLink>
            <Delivery>
               <Name>
                  <Name>Fred</Name>
               </Name>
               <Address>
                  <AddressLine>123 Main</AddressLine>
                  <City>Washington</City>
                  <Territory>D.C.</Territory>
               </Address>
            </Delivery>
         </SaleForDelivery>
         <SequenceNumber>1</SequenceNumber>
      </LineItem>
   </CustomerOrderTransaction>
</Transaction>
</POSLog>
```

11.3 Scenario: Short Ship the order

Brief Description
Only part of the order is in inventory and that part is shipped.

Scenario Description

Data

11.3 Conformance XML Instance Document – Short Ship the order

```xml
<?xml version="1.0" encoding="UTF-8"?>
<POSLog xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
   xsi:schemaLocation="http://www.nrf-arts.org/IXRetail/namespace/
../POSLogV6.0.0.xsd"
   xmlns="http://www.nrf-arts.org/IXRetail/namespace/" MajorVersion="6"
MinorVersion="0"
   FixVersion="0">
   <Transaction>
      <BusinessUnit>
         <UnitID>Local Pizzeria</UnitID>
      </BusinessUnit>
      <WorkstationID>Register 2</WorkstationID>
      <SequenceNumber>1234</SequenceNumber>
      <OperatorID>John</OperatorID>
```

```xml
<RetailTransaction TransactionStatus="PartialDelivery">
  <LineItem>
    <SaleForDelivery ItemSubType="DirectToConsumer">
      <ItemID>01234567890123</ItemID>
      <ActualSalesUnitPrice>163.00</ActualSalesUnitPrice>
      <ExtendedAmount>25.00</ExtendedAmount>
      <Quantity>3</Quantity>
    </SaleForDelivery>
    <SequenceNumber>1</SequenceNumber>
  </LineItem>
  <Delivery>
    <Name>
      <Name>Jones</Name>
    </Name>
    <Address>
      <AddressLine>325 7th St. NW.</AddressLine>
      <City>Washington</City>
      <Territory>D.C.</Territory>
    </Address>
  </Delivery>
  <TransactionLink>
    <TransactionID>4294967295</TransactionID>
  </TransactionLink>
</RetailTransaction>
</Transaction>
</POSLog>
```

12. Document History

13. Version History

Version 1.0

       Overview

       New Features

Sections	Description of Change
	-

       Minor fixes

       Deprecation

Sections	Description of Change
	-

       Compatibility/Dependencies Issues

       Previous Document

14. GLOSSARY

Term	Definition