



# **ARTS POSLog V6.0.0**

## **Volume 1: Customer Order Transaction Technical Specification**

February 10, 2014 – Last Call Working Draft

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## 1. Abstract

---

### 1.1 Overview

This volume discusses the Customer Order Transaction. Customer Order Transactions are the individual “steps” used in the creation of a Retail Transaction. Once tendered and delivered a Customer Order Transaction becomes a Retail Transaction, containing all the information that would be on a receipt.

The primary use cases originated in the foodservice industry as this is the industry which traditionally used this as a normal part of their business. However, with the advent of mobile technology and the internet, this architecture has become typical in other areas of retail as well, particularly in the in-store pickup or click and collect model.

## 2. Referenced Documents

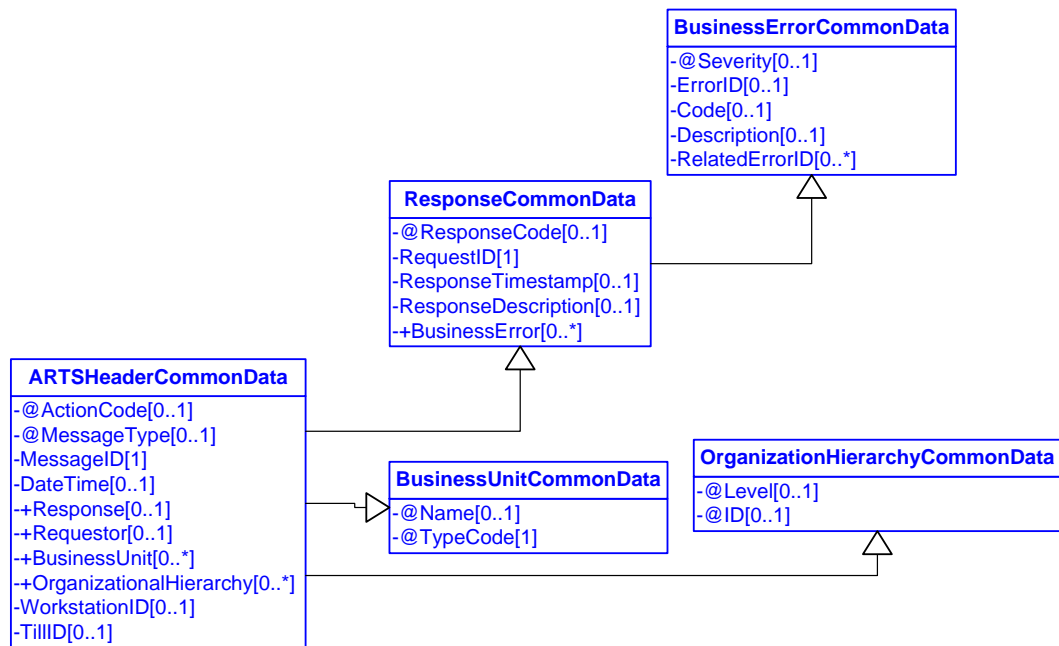
---

- **ARTS Technical Committees Development Process V6.0.4 2009/11/30**
- **ARTS XML Best Practices V2.2 2010/11/11**
- **ARTS Best Practice for Process Modeling V1.0.0 2011/01/04**
- **ARTS 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: Suspending a transaction

---

#### 4.1 Scenario: Suspending a transaction (V2.2)

##### Brief Description

Clerk rings up several items for Customer. Customer then decides to continue shopping in a different area of store. A different clerk at a different register completes the transaction.

Alternate: Create an order in the morning, recall the transaction in the afternoon, delete an item, add an item, and now the customer is qualified for a discount. Now resave

**Pre-Conditions****Post-Conditions****Data****4.1 Conformance XML Instance Document –Suspending a Transaction**

```
<?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>HighStreet</UnitID>
    </BusinessUnit>
    <WorkstationID>POS5</WorkstationID>
    <SequenceNumber>4294967295</SequenceNumber>
    <POSLogDateTime TypeCode="Transaction">2001-08-
13T09:01:00</POSLogDateTime>
    <OperatorID>John</OperatorID>
    <CustomerOrderTransaction TransactionStatus="Suspended">
      <LineItem>
        <Sale>
          <POSIdentity POSIDType="SKU">
            <POSItemID>123</POSItemID>
          </POSIdentity>
          <ExtendedAmount>5.00</ExtendedAmount>
        </Sale>
        <SequenceNumber>1</SequenceNumber>
      </LineItem>
    </CustomerOrderTransaction>
  </Transaction>
</POSLog>
```

**4.2 Scenario: Delete Suspend Transaction (V2.2)****Brief Description**

Customer purchases an item, and then realizes they left their wallet in the car. While they run out to the car to get their wallet, the clerk takes care of the next customer. The customer never returns

**Pre-Conditions****Post-Conditions****Data**

## 4.2 Conformance XML Instance Document – Delete Suspended Transaction

```
<?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"
  MinorVersion="0" MajorVersion="6" FixVersion="0">
  <Transaction>
    <BusinessUnit>
      <UnitID>HighStreet</UnitID>
    </BusinessUnit>
    <WorkstationID>POS5</WorkstationID>
    <SequenceNumber>4294967295</SequenceNumber>
    <POSLogDateTime TypeCode="Transaction">2001-08-
13T09:01:00</POSLogDateTime>
    <OperatorID>John</OperatorID>
    <CustomerOrderTransaction TransactionStatus="SuspendedDeleted">
      <LineItem>
        <Sale>
          <POSIdentity POSIDType="SKU">
            <POSItemID>123</POSItemID>
          </POSIdentity>
          <ExtendedAmount>5.00</ExtendedAmount>
        </Sale>
        <SequenceNumber>1</SequenceNumber>
      </LineItem>
    </CustomerOrderTransaction>
  </Transaction>
</POSLog>
```

## 5. Use Case: Foodservice Customer Order Transactions

---

Customer Orders split a transaction into intermediate steps prior to “finalization” (that is, delivery and tender). For example, when one dines at a restaurant, the drinks are taken first and entered into the POS. The order is stored and the drinks are delivered. The customers then order their main courses, at which time these are entered into the POS and sent to the kitchen. Finally, after the customer finishes the meal, they pay and the transaction is finalized.

In a drive-thru environment, the customer orders at the first window, pays at the second and picks up the food at the third. Each of these steps is an intermediate step in the Customer Order.

In a pizza environment, the customer calls in their order and has it delivered to their home. This is functionally equivalent in the nonfood world to a customer ordering a piano to be delivered from the factory.



## 5.1 Scenario: One Behind, Normal Drive-Up Customer Order (V2.2)

with Taxes Not Available Until Subtotal, Store, or Total Note this order is not tendered.

### Brief Description

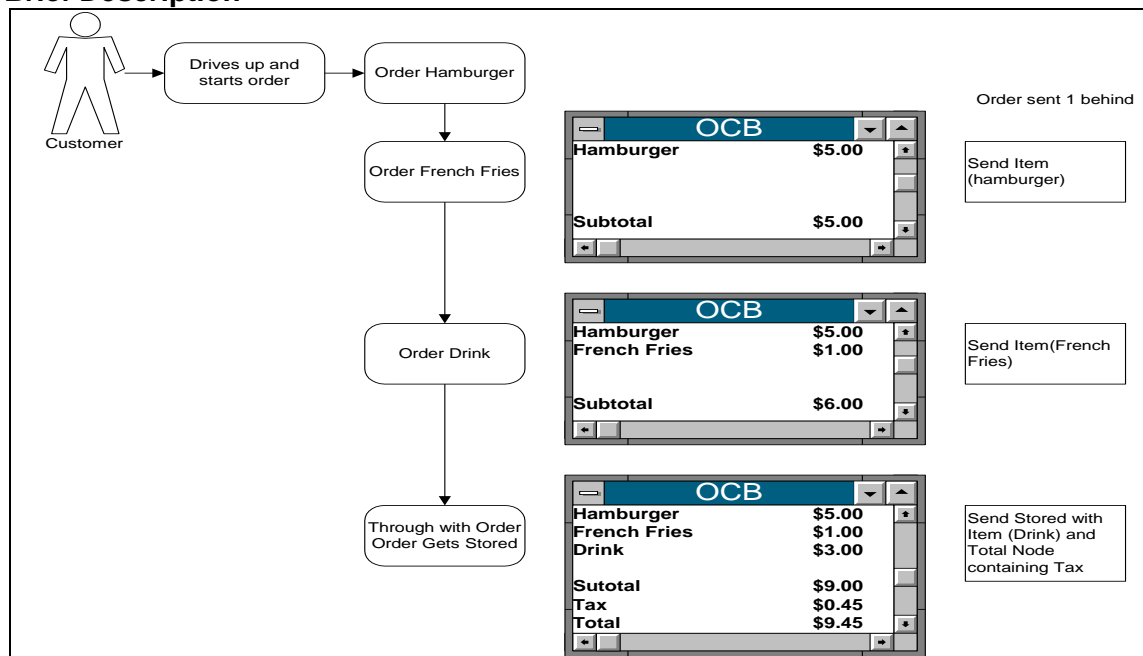


Figure 3: One Behind, Normal Drive-Up Customer Order Sample Flow Diagram

### Pre-Conditions

### Post-Conditions

Customer pays when they pick up their order. At that point the retail transaction is created showing the entire transaction.

### Data

3 order transactions are created, one for each item when it is ordered.

### 5.1a Conformance XML Instance Document – Normal Drive-Up - Send Item – Hamburger

```

<?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>HighStreet</UnitID>
    </BusinessUnit>
  
```

```
<WorkstationID>POS5</WorkstationID>
<SequenceNumber>4294967295</SequenceNumber>
<POSLogDateTime TypeCode="Transaction">2001-08-
13T09:01:00</POSLogDateTime>
<OperatorID>John</OperatorID>
<CustomerOrderTransaction TransactionStatus="InProgress">
  <LineItem>
    <!-- Hamburger -->
    <Sale>
      <POSIdentity POSIDType="SKU">
        <POSItemID>123</POSItemID>
      </POSIdentity>
      <ExtendedAmount>5.00</ExtendedAmount>
    </Sale>
    <SequenceNumber>1</SequenceNumber>
  </LineItem>
</CustomerOrderTransaction>
</Transaction>
</POSLog>
```

#### 5.1b Conformance XML Instance Document - Normal Drive-Up - Send Item – Add French Fries

```
<?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>HighStreet</UnitID>
    </BusinessUnit>
    <WorkstationID>POS5</WorkstationID>
    <SequenceNumber>4294967295</SequenceNumber>
    <POSLogDateTime TypeCode="Transaction">2001-08-
13T09:01:00</POSLogDateTime>
    <OperatorID>John</OperatorID>
    <CustomerOrderTransaction TransactionStatus="InProgress">
      <LineItem>
        <!-- French Fries -->
        <Sale>
          <POSIdentity POSIDType="SKU">
            <POSItemID>2345</POSItemID>
          </POSIdentity>
          <ExtendedAmount>1.00</ExtendedAmount>
        </Sale>
        <SequenceNumber>2</SequenceNumber>
      </LineItem>
    </CustomerOrderTransaction>
```

```
</Transaction>
</POSLog>
```

### 5.1c Conformance XML Instance Document - Normal Drive-Up - Send Item – Add Drink with total and tax

```
<?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>HighStreet</UnitID>
    </BusinessUnit>
    <WorkstationID>POS5</WorkstationID>
    <SequenceNumber>4294967295</SequenceNumber>
    <POSLogDateTime TypeCode="Transaction">2001-08-
13T09:01:00</POSLogDateTime>
    <OperatorID>John</OperatorID>
    <CustomerOrderTransaction TransactionStatus="Suspended">
      <LineItem>
        <!-- Drink -->
        <Sale>
          <POSIdentity POSIDType="SKU">
            <POSItemID>2345</POSItemID>
          </POSIdentity>
          <ExtendedAmount>3.00</ExtendedAmount>
        </Sale>
        <SequenceNumber>3</SequenceNumber>
      </LineItem>
      <LineItem>
        <Tax>
          <Amount>.45</Amount>
          <Percent>7</Percent>
        </Tax>
        <SequenceNumber>4</SequenceNumber>
      </LineItem>
      <Total>9.45</Total>
    </CustomerOrderTransaction>
  </Transaction>
</POSLog>
```

**5.1d Conformance XML Instance Document - Normal Drive-Up - Customer picks up the food and a POSLog Retail Transaction is created.**

```
<?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>HighStreet</UnitID>
    </BusinessUnit>
    <WorkstationID>POS5</WorkstationID>
    <SequenceNumber>4294967295</SequenceNumber>
    <POSLogDateTime TypeCode="Transaction">2001-08-
13T09:01:00</POSLogDateTime>
    <OperatorID>John</OperatorID>
    <RetailTransaction TransactionStatus="Finished">
      <LineItem>
        <!-- Hamburger -->
        <Sale>
          <POSIdentity POSIDType="SKU">
            <POSItemID>123</POSItemID>
          </POSIdentity>
          <ExtendedAmount>5.00</ExtendedAmount>
        </Sale>
        <SequenceNumber>1</SequenceNumber>
      </LineItem>
      <LineItem>
        <!-- French Fries -->
        <Sale>
          <POSIdentity POSIDType="SKU">
            <POSItemID>2345</POSItemID>
          </POSIdentity>
          <ExtendedAmount>1.00</ExtendedAmount>
        </Sale>
        <SequenceNumber>2</SequenceNumber>
      </LineItem>
      <LineItem>
        <!-- Drink -->
        <Sale>
          <POSIdentity POSIDType="SKU">
            <POSItemID>2345</POSItemID>
          </POSIdentity>
          <ExtendedAmount>3.00</ExtendedAmount>
        </Sale>
        <SequenceNumber>3</SequenceNumber>
      </LineItem>
      <LineItem>
        <Tax>
```

```

    <Amount>.45</Amount>
    <Percent>7</Percent>
  </Tax>
  <SequenceNumber>4</SequenceNumber>
</LineItem>
<Total>9.45</Total>
</RetailTransaction>
</Transaction>
</POSLog>

```

## 5.2 Scenario: One Behind, Normal Drive-Up Customer Order with Taxes (V2.2)

### Brief Description

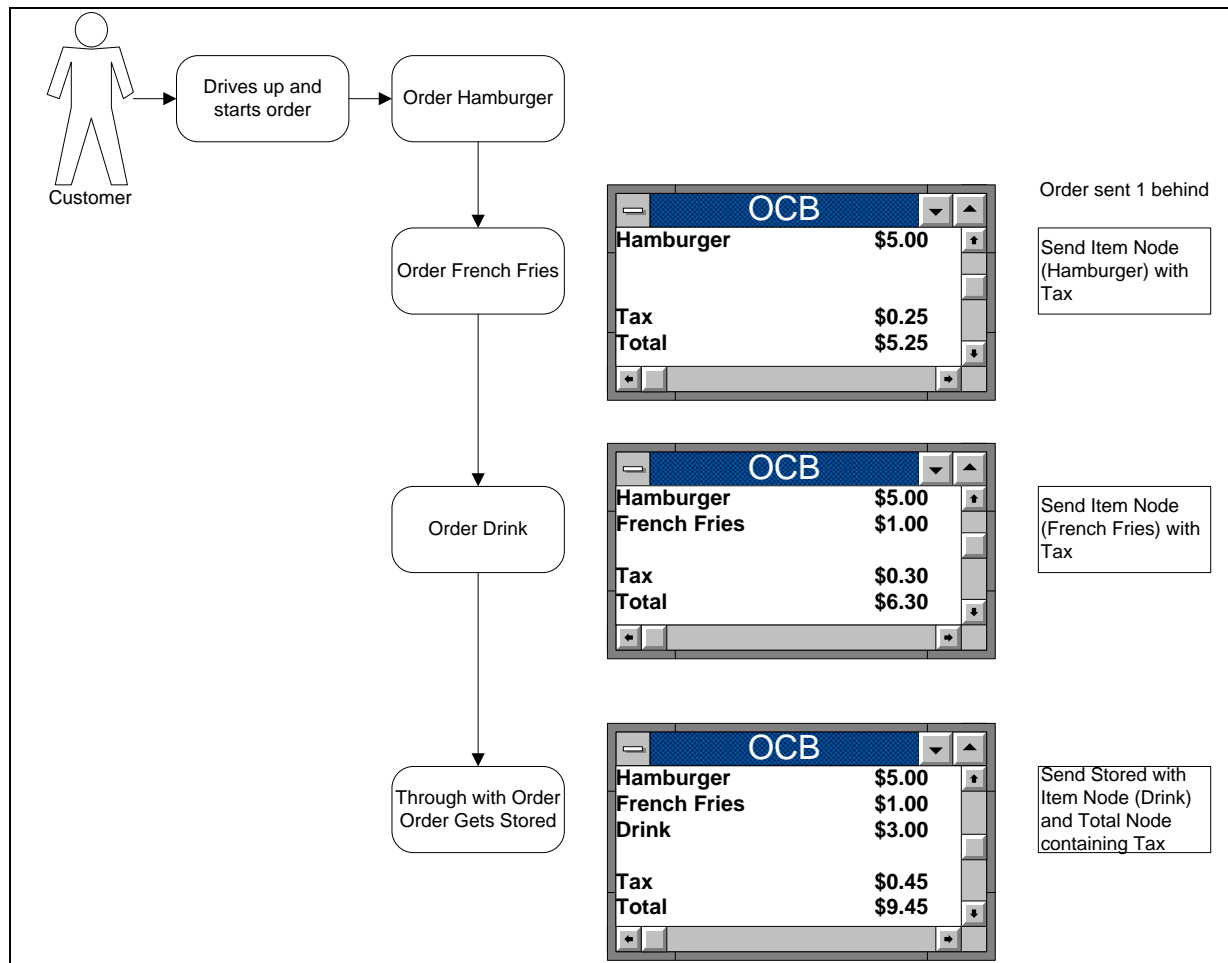


Figure 4: One Behind, Normal Drive-Up Customer Order with Taxes Sample Flow Diagram

Pre-Conditions  
Post-Conditions  
Data

**5.2a Conformance XML Instance Document - Customer Order with Taxes - Send Item – Hamburger with Tax**

```
<?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>HighStreet</UnitID>
    </BusinessUnit>
    <WorkstationID>POS5</WorkstationID>
    <SequenceNumber>4294967295</SequenceNumber>
    <POSLogDateTime TypeCode="Transaction">2001-08-
13T09:01:00</POSLogDateTime>
    <OperatorID>John</OperatorID>
    <CustomerOrderTransaction TransactionStatus="InProgress">
      <LineItem>
        <!-- Hamburger -->
        <Sale>
          <POSIdentity POSIDType="SKU">
            <POSItemID>123</POSItemID>
          </POSIdentity>
          <ExtendedAmount>5.00</ExtendedAmount>
        </Sale>
        <SequenceNumber>1</SequenceNumber>
      </LineItem>
      <LineItem>
        <Tax>
          <Amount>.25</Amount>
          <Percent>5</Percent>
        </Tax>
        <SequenceNumber>2</SequenceNumber>
      </LineItem>
    </CustomerOrderTransaction>
  </Transaction>
</POSLog>
```

**5.2b Conformance XML Instance Document - Customer Order with Taxes - Send Item – Add French Fries with Tax**

```
<?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>HighStreet</UnitID>
</BusinessUnit>
<WorkstationID>POS5</WorkstationID>
<SequenceNumber>4294967295</SequenceNumber>
<POSLogDateTime TypeCode="Transaction">2001-08-
13T09:01:00</POSLogDateTime>
<OperatorID>John</OperatorID>
<CustomerOrderTransaction TransactionStatus="InProgress">
  <LineItem>
    <!-- French Fries -->
    <Sale>
      <POSIdentity POSIDType="SKU">
        <POSItemID>2345</POSItemID>
      </POSIdentity>
      <ExtendedAmount>1.00</ExtendedAmount>
    </Sale>
    <SequenceNumber>3</SequenceNumber>
  </LineItem>
  <LineItem>
    <Tax>
      <Amount>.30</Amount>
      <Percent>5</Percent>
    </Tax>
    <SequenceNumber>4</SequenceNumber>
  </LineItem>
</CustomerOrderTransaction>
</Transaction>
</POSLog>
```

### 5.2c Conformance XML Instance Document - Customer Order with Taxes - Send Item – Add Drink with total and tax

```
<?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>HighStreet</UnitID>
    </BusinessUnit>
    <WorkstationID>POS5</WorkstationID>
    <SequenceNumber>4294967295</SequenceNumber>
    <POSLogDateTime TypeCode="Transaction">2001-08-
13T09:01:00</POSLogDateTime>
    <OperatorID>John</OperatorID>
```

```
<CustomerOrderTransaction TransactionStatus="Suspended">
  <LineItem>
    <!-- Drink -->
    <Sale>
      <POSIdentity POSIDType="SKU">
        <POSItemID>2345</POSItemID>
      </POSIdentity>
      <ExtendedAmount>3.00</ExtendedAmount>
    </Sale>
    <SequenceNumber>5</SequenceNumber>
  </LineItem>
  <LineItem>
    <Tax>
      <Amount>.45</Amount>
      <Percent>7</Percent>
    </Tax>
    <SequenceNumber>6</SequenceNumber>
  </LineItem>
  <Total>9.45</Total>
</CustomerOrderTransaction>
</Transaction>
</POSLog>
```

#### 5.2d Conformance XML Instance Document - Customer Order with Taxes - Customer picks up the food and a POSLog Retail Transaction is created.

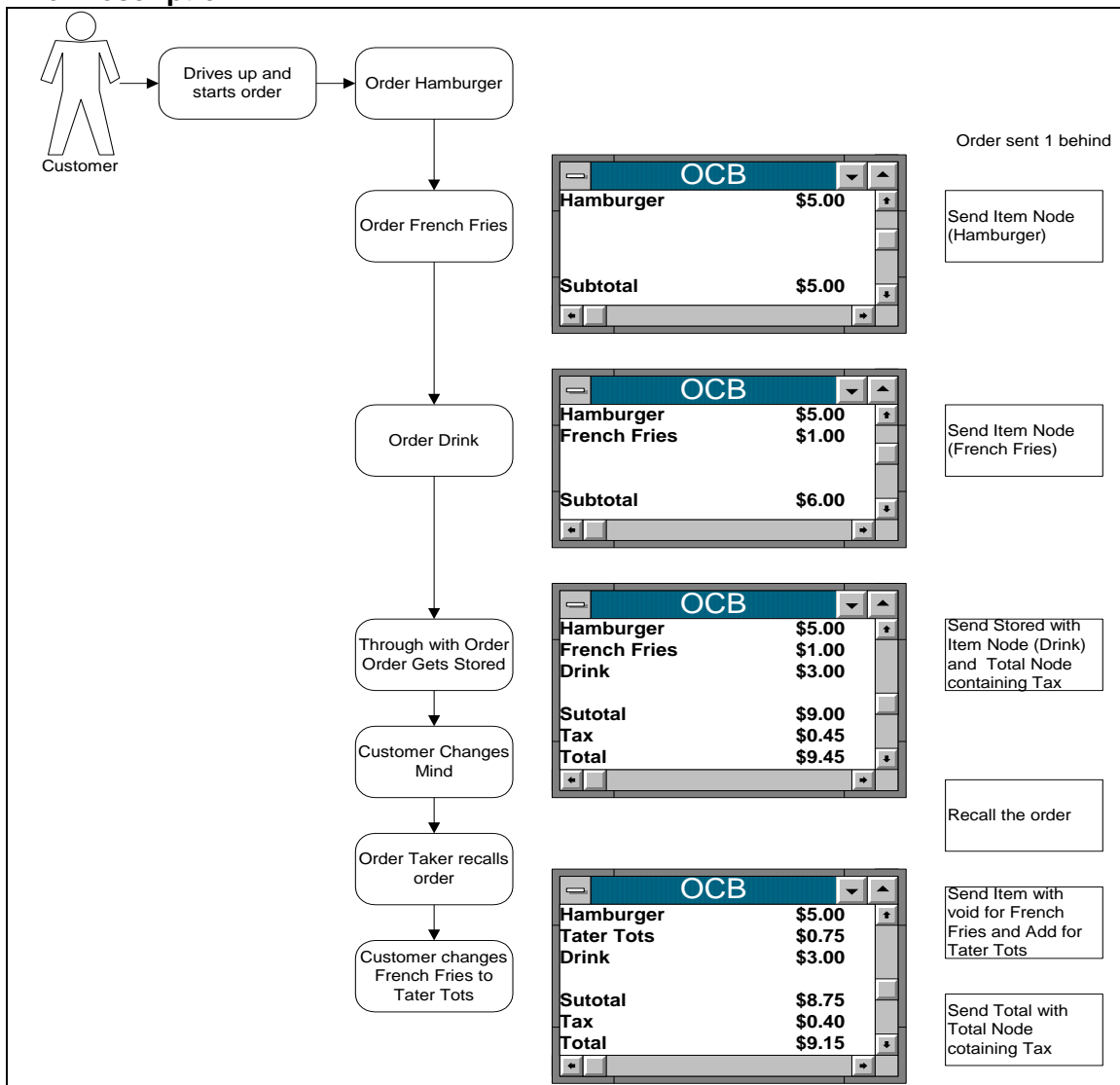
```
<?xml version="1.0" encoding="UTF-8"?>
<POSLog xmlns="http://www.nrf-arts.org/IXRetail/namespace/"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.nrf-arts.org/IXRetail/namespace/
  ../POSLogV6.0.0.xsd" MajorVersion="6" MinorVersion="0" FixVersion="0">
  <Transaction>
    <BusinessUnit>
      <UnitID>HighStreet</UnitID>
    </BusinessUnit>
    <WorkstationID>POS5</WorkstationID>
    <SequenceNumber>4294967295</SequenceNumber>
    <POSLogDateTime TypeCode="Transaction">2001-08-
13T09:01:00</POSLogDateTime>
    <OperatorID>John</OperatorID>
    <RetailTransaction TransactionStatus="Finished">
      <LineItem>
        <!-- Hamburger -->
        <Sale>
          <POSIdentity POSIDType="SKU">
            <POSItemID>123</POSItemID>
          </POSIdentity>
          <ExtendedAmount>5.00</ExtendedAmount>
        </Sale>
```



```
<SequenceNumber>1</SequenceNumber>
</LineItem>
<LineItem>
  <!-- French Fries -->
  <Sale>
    <POSIdentity POSIDType="SKU">
      <POSItemID>2345</POSItemID>
    </POSIdentity>
    <ExtendedAmount>1.00</ExtendedAmount>
  </Sale>
  <SequenceNumber>2</SequenceNumber>
</LineItem>
<LineItem>
  <!-- Drink -->
  <Sale>
    <POSIdentity POSIDType="SKU">
      <POSItemID>2345</POSItemID>
    </POSIdentity>
    <ExtendedAmount>3.00</ExtendedAmount>
  </Sale>
  <SequenceNumber>3</SequenceNumber>
</LineItem>
<LineItem>
  <Tax>
    <Amount>.45</Amount>
    <Percent>7</Percent>
  </Tax>
  <SequenceNumber>4</SequenceNumber>
</LineItem>
<Total>9.45</Total>
</RetailTransaction>
</Transaction>
</POSLog>
```

### 5.3 Scenario: One Behind, Normal Drive Up Customer Order with Customer Changing the Order (V2.2)

#### Brief Description



**Figure 5: One Behind, Normal Drive Up Order with Customer Changing the Order Sample Flow Diagram**

#### Brief Description

#### Pre-Conditions

#### Post-Conditions

#### Data

**5.3a Conformance XML Instance Document - Customer Changing the Order - Send Item – Hamburger**

```
<?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>HighStreet</UnitID>
    </BusinessUnit>
    <WorkstationID>POS5</WorkstationID>
    <SequenceNumber>4294967295</SequenceNumber>
    <POSLogDateTime TypeCode="Transaction">2001-08-
13T09:01:00</POSLogDateTime>
    <OperatorID>John</OperatorID>
    <CustomerOrderTransaction TransactionStatus="InProgress">
      <LineItem>
        <!-- Hamburger -->
        <Sale>
          <POSIdentity POSIDType="SKU">
            <POSItemID>123</POSItemID>
          </POSIdentity>
          <ExtendedAmount>5.00</ExtendedAmount>
        </Sale>
        <SequenceNumber>1</SequenceNumber>
      </LineItem>
    </CustomerOrderTransaction>
  </Transaction>
</POSLog>
```

**5.3b Conformance XML Instance Document - Customer Changing the Order - Send Item – French Fries**

```
<?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>HighStreet</UnitID>
    </BusinessUnit>
    <WorkstationID>POS5</WorkstationID>
    <SequenceNumber>4294967295</SequenceNumber>
    <POSLogDateTime TypeCode="Transaction">2001-08-
13T09:01:00</POSLogDateTime>
```

```
<OperatorID>John</OperatorID>
<CustomerOrderTransaction TransactionStatus="InProgress">
  <LineItem>
    <!-- French Fries -->
    <Sale>
      <POSIdentity POSIDType="SKU">
        <POSItemID>2345</POSItemID>
      </POSIdentity>
      <ExtendedAmount>1.00</ExtendedAmount>
    </Sale>
    <SequenceNumber>2</SequenceNumber>
  </LineItem>
</CustomerOrderTransaction>
</Transaction>
</POSLog>
```

### 5.3c Conformance XML Instance Document - Customer Changing the Order - Store Order - Send Item – Drink with total and tax

```
<?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>HighStreet</UnitID>
    </BusinessUnit>
    <WorkstationID>POS5</WorkstationID>
    <SequenceNumber>4294967295</SequenceNumber>
    <POSLogDateTime TypeCode="Transaction">2001-08-
13T09:01:00</POSLogDateTime>
    <OperatorID>John</OperatorID>
    <!-- Store the order -->
    <CustomerOrderTransaction TransactionStatus="Suspended">
      <LineItem>
        <!-- Drink -->
        <Sale>
          <POSIdentity POSIDType="SKU">
            <POSItemID>2345</POSItemID>
          </POSIdentity>
          <ExtendedAmount>3.00</ExtendedAmount>
        </Sale>
        <SequenceNumber>3</SequenceNumber>
      </LineItem>
      <!-- Tax -->
      <LineItem>
```

```
<Tax>
  <Amount>.45</Amount>
  <Percent>7</Percent>
</Tax>
<SequenceNumber>4</SequenceNumber>
</LineItem>
<!-- Total -->
<Total>9.45</Total>
</CustomerOrderTransaction>
</Transaction>
</POSLog>
```

### 5.3d Conformance XML Instance Document - Customer Changing the Order - Recall Order – remove FF add tater tots

```
<?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>HighStreet</UnitID>
    </BusinessUnit>
    <WorkstationID>POS5</WorkstationID>
    <SequenceNumber>4294967295</SequenceNumber>
    <POSLogDateTime TypeCode="Transaction">2001-08-
13T09:01:00</POSLogDateTime>
    <OperatorID>John</OperatorID>
    <CustomerOrderTransaction TransactionStatus="Suspended">
      <LineItem VoidFlag="true">
        <!-- French Fries -->
        <Sale>
          <POSIdentity POSIDType="SKU">
            <POSItemID>2345</POSItemID>
          </POSIdentity>
          <ExtendedAmount>1.00</ExtendedAmount>
          <ItemLink>2</ItemLink>
        </Sale>
        <SequenceNumber>5</SequenceNumber>
      </LineItem>
      <LineItem>
        <!-- Tater Tots -->
        <Sale>
          <POSIdentity POSIDType="SKU">
            <POSItemID>Yummy</POSItemID>
          </POSIdentity>
```

```
        <ExtendedAmount>.75</ExtendedAmount>
    </Sale>
    <SequenceNumber>6</SequenceNumber>
</LineItem>
<!-- Remove Tax -->
<LineItem VoidFlag="true">
    <Tax>
        <Amount>.45</Amount>
        <Percent>7</Percent>
    </Tax>
    <SequenceNumber>7</SequenceNumber>
</LineItem>
<!-- New Tax -->
<LineItem>
    <Tax>
        <Amount>.40</Amount>
        <Percent>7</Percent>
    </Tax>
    <SequenceNumber>8</SequenceNumber>
</LineItem>
<!-- Total -->
<Total>9.15</Total>
</CustomerOrderTransaction>
</Transaction>
</POSLog>
```

### 5.3e Conformance XML Instance Document - Customer Changing the Order - Customer picks up the food and a POSLog Retail Transaction is created.

#### Assuming one wants to track every change

```
<?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>HighStreet</UnitID>
    </BusinessUnit>
    <WorkstationID>POS5</WorkstationID>
    <SequenceNumber>4294967295</SequenceNumber>
    <POSLogDateTime TypeCode="Transaction">2001-08-
13T09:01:00</POSLogDateTime>
    <OperatorID>John</OperatorID>
    <RetailTransaction TransactionStatus="Finished">
      <LineItem>
        <!-- Hamburger -->
```

```
<Sale>
  <POSIdentity POSIDType="SKU">
    <POSItemID>123</POSItemID>
  </POSIdentity>
  <ExtendedAmount>5.00</ExtendedAmount>
</Sale>
<SequenceNumber>1</SequenceNumber>
</LineItem>
<LineItem>
  <!-- French Fries -->
  <Sale>
    <POSIdentity POSIDType="SKU">
      <POSItemID>2345</POSItemID>
    </POSIdentity>
    <ExtendedAmount>1.00</ExtendedAmount>
  </Sale>
  <SequenceNumber>2</SequenceNumber>
</LineItem>
<LineItem>
  <!-- Drink -->
  <Sale>
    <POSIdentity POSIDType="SKU">
      <POSItemID>2345</POSItemID>
    </POSIdentity>
    <ExtendedAmount>3.00</ExtendedAmount>
  </Sale>
  <SequenceNumber>3</SequenceNumber>
</LineItem>
<!-- Tax -->
<LineItem>
  <Tax>
    <Amount>.45</Amount>
    <Percent>7</Percent>
  </Tax>
  <SequenceNumber>4</SequenceNumber>
</LineItem>
<LineItem VoidFlag="true">
  <!-- Remove French Fries -->
  <Sale>
    <POSIdentity POSIDType="SKU">
      <POSItemID>2345</POSItemID>
    </POSIdentity>
    <ExtendedAmount>1.00</ExtendedAmount>
    <ItemLink>2</ItemLink>
  </Sale>
  <SequenceNumber>5</SequenceNumber>
</LineItem>
<LineItem>
  <!-- Tater Tots -->
  <Sale>
```

```
        <POSIdentity POSIDType="SKU">
          <POSItemID>Yummy</POSItemID>
        </POSIdentity>
        <ExtendedAmount>.75</ExtendedAmount>
      </Sale>
      <SequenceNumber>6</SequenceNumber>
    </LineItem>
    <!-- Remove Tax -->
    <LineItem VoidFlag="true">
      <Tax>
        <Amount>.45</Amount>
        <Percent>7</Percent>
      </Tax>
      <SequenceNumber>7</SequenceNumber>
    </LineItem>
    <!-- New Tax -->
    <LineItem>
      <Tax>
        <Amount>.40</Amount>
        <Percent>7</Percent>
      </Tax>
      <SequenceNumber>8</SequenceNumber>
    </LineItem>
    <!-- Total -->
    <Total>9.15</Total>
  </RetailTransaction>
</Transaction>
</POSLog>
```



## 5.4 Scenario: One Behind, Normal Drive Up Customer Order with Subtotal (V2.2)

### Brief Description

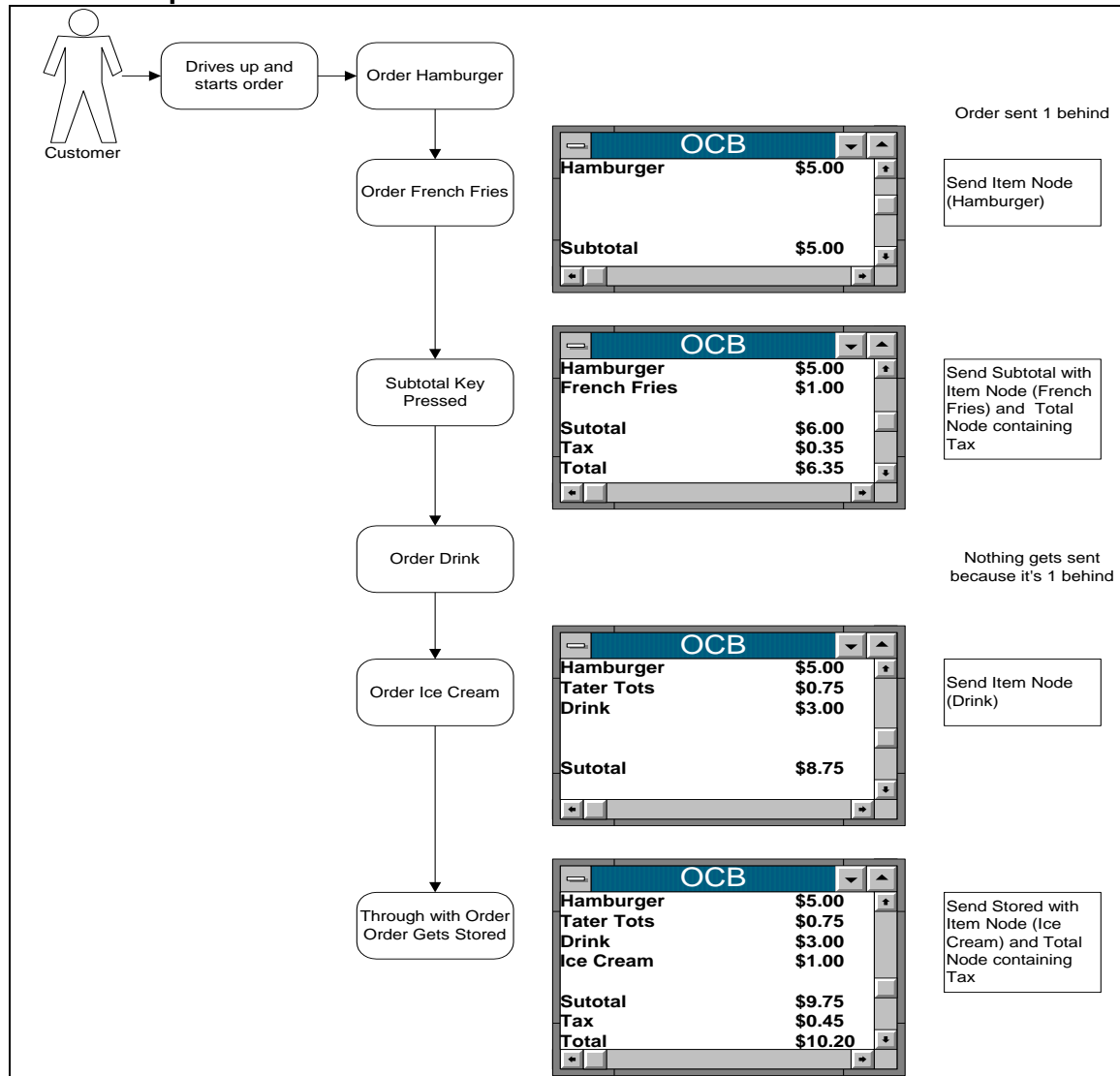


Figure 6: One Behind, Normal Drive Up Customer Order with Subtotal Sample Flow Diagram

Pre-Conditions

Post-Conditions

Data

### 5.4a Conformance XML Instance Document - Customer Order with Subtotal - Send Item – Hamburger

```
<?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>HighStreet</UnitID>
  </BusinessUnit>
  <WorkstationID>POS5</WorkstationID>
  <SequenceNumber>4294967295</SequenceNumber>
  <POSLogDateTime TypeCode="Transaction">2001-08-
13T09:01:00</POSLogDateTime>
  <OperatorID>John</OperatorID>
  <CustomerOrderTransaction TransactionStatus="InProgress">
    <LineItem>
      <!-- Hamburger -->
      <Sale>
        <POSIdentity POSIDType="SKU">
          <POSItemID>123</POSItemID>
        </POSIdentity>
        <ExtendedAmount>5.00</ExtendedAmount>
      </Sale>
      <SequenceNumber>1</SequenceNumber>
    </LineItem>
  </CustomerOrderTransaction>
</Transaction>
</POSLog>
```

#### 5.4b Conformance XML Instance Document - Customer Order with Subtotal - Send Subtotal with tax

```
<?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>HighStreet</UnitID>
    </BusinessUnit>
    <WorkstationID>POS5</WorkstationID>
    <SequenceNumber>4294967295</SequenceNumber>
    <POSLogDateTime TypeCode="Transaction">2001-08-
13T09:01:00</POSLogDateTime>
    <OperatorID>John</OperatorID>
    <CustomerOrderTransaction TransactionStatus="Subtotal">
      <LineItem>
        <!-- French Fries -->
        <Sale>
```

```
        <POSIdentity POSIDType="SKU">
          <POSItemID>2345</POSItemID>
        </POSIdentity>
        <ExtendedAmount>1.00</ExtendedAmount>
      </Sale>
      <SequenceNumber>2</SequenceNumber>
    </LineItem>
    <LineItem>
      <Tax>
        <Amount>.35</Amount>
        <Percent>7</Percent>
      </Tax>
      <SequenceNumber>3</SequenceNumber>
    </LineItem>
    <Total>6.35</Total>
  </CustomerOrderTransaction>
</Transaction>
</POSLog>
```

#### 5.4c Conformance XML Instance Document - Customer Order with Subtotal - Send Item – Drink

```
<?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>HighStreet</UnitID>
    </BusinessUnit>
    <WorkstationID>POS5</WorkstationID>
    <SequenceNumber>4294967295</SequenceNumber>
    <POSLogDateTime TypeCode="Transaction">2001-08-
13T09:01:00</POSLogDateTime>
    <OperatorID>John</OperatorID>
    <CustomerOrderTransaction TransactionStatus="InProgress">
      <LineItem>
        <!-- Drink -->
        <Sale>
          <POSIdentity POSIDType="SKU">
            <POSItemID>2345</POSItemID>
          </POSIdentity>
          <ExtendedAmount>3.00</ExtendedAmount>
        </Sale>
        <SequenceNumber>4</SequenceNumber>
      </LineItem>
    </CustomerOrderTransaction>
```

```
</Transaction>
</POSLog>
```

#### 5.4d Conformance XML Instance Document - Customer Order with Subtotal - Send Item on Store – Ice Cream

```
<?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>HighStreet</UnitID>
    </BusinessUnit>
    <WorkstationID>POS5</WorkstationID>
    <SequenceNumber>4294967295</SequenceNumber>
    <POSLogDateTime TypeCode="Transaction">2001-08-
13T09:01:00</POSLogDateTime>
    <OperatorID>John</OperatorID>
    <CustomerOrderTransaction TransactionStatus="Suspended">
      <LineItem>
        <!-- Ice Cream -->
        <Sale>
          <POSIdentity POSIDType="SKU">
            <POSItemID>9876</POSItemID>
          </POSIdentity>
          <ExtendedAmount>1.00</ExtendedAmount>
        </Sale>
        <SequenceNumber>5</SequenceNumber>
      </LineItem>
      <LineItem>
        <Tax>
          <Amount>.45</Amount>
          <Percent>7</Percent>
        </Tax>
        <SequenceNumber>6</SequenceNumber>
      </LineItem>
      <Total TotalType="TransactionSubtotal">9.75</Total>
      <Total>10.20</Total>
    </CustomerOrderTransaction>
  </Transaction>
</POSLog>
```

**5.4e Conformance XML Instance Document - Customer Order with Subtotal - Customer picks up the food and a POSLog Retail Transaction is created.**

```
<?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>HighStreet</UnitID>
    </BusinessUnit>
    <WorkstationID>POS5</WorkstationID>
    <SequenceNumber>4294967295</SequenceNumber>
    <POSLogDateTime TypeCode="Transaction">2001-08-
13T09:01:00</POSLogDateTime>
    <OperatorID>John</OperatorID>
    <RetailTransaction>
      <LineItem>
        <!-- Hamburger -->
        <Sale>
          <POSIdentity POSIDType="SKU">
            <POSItemID>123</POSItemID>
          </POSIdentity>
          <ExtendedAmount>5.00</ExtendedAmount>
        </Sale>
        <SequenceNumber>1</SequenceNumber>
      </LineItem>
      <LineItem>
        <!-- French Fries -->
        <Sale>
          <POSIdentity POSIDType="SKU">
            <POSItemID>2345</POSItemID>
          </POSIdentity>
          <ExtendedAmount>1.00</ExtendedAmount>
        </Sale>
        <SequenceNumber>2</SequenceNumber>
      </LineItem>
      <LineItem>
        <!-- Drink -->
        <Sale>
          <POSIdentity POSIDType="SKU">
            <POSItemID>2345</POSItemID>
          </POSIdentity>
          <ExtendedAmount>3.00</ExtendedAmount>
        </Sale>
        <SequenceNumber>3</SequenceNumber>
      </LineItem>
    </RetailTransaction>
  </Transaction>
</POSLog>
```

```
<!-- Ice Cream -->
<Sale>
  <POSIdentity POSIDType="SKU">
    <POSItemID>9876</POSItemID>
  </POSIdentity>
  <ExtendedAmount>1.00</ExtendedAmount>
</Sale>
<SequenceNumber>4</SequenceNumber>
</LineItem>
<LineItem>
  <Tax>
    <Amount>.45</Amount>
    <Percent>7</Percent>
  </Tax>
  <SequenceNumber>5</SequenceNumber>
</LineItem>
<Total>10.20</Total>
</RetailTransaction>
</Transaction>
</POSLog>
```

## 6. Use Case: Multiple Revenue Centers Customer Order Transactions

---

### 6.1 Scenario: Multiple Revenue Centers - Purchase at the Bar and Pay at the Table (V2.2)

**Ties to Vol 6 – Transaction Link Scenario 4.2 Multiple Counters.**

#### Brief Description

Richard's Deli Oklahoma City, Ok		Richard's Deli Oklahoma City, Ok	
Order #10006	10/25/2000	Order #100	10/25/2000
Bar Tab	11:55AM		11:55AM
Brennivin (2 @ 3.50)	7.00	Brennivin (Bar Tab)	7.00
		Alligator Sandwich	3.50
Sub Total	7.00	Kangaroo	6.00
Tax	.50	Sub Total	16.50
Total	7.50	Tax	1.00
		Total	17.50
Balance Due	7.50		
		Tendered	17.50

**Figure 7: Purchase at the Bar and Pay at the Table Receipts**

#### Pre-Conditions

#### Post-Conditions

**Data**

Transaction Link between the purchase at the bar located on the purchase at the table.

**6.1a Conformance XML Instance Document – Purchase at the Bar**

```
<?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>HighStreet</UnitID>
    </BusinessUnit>
    <WorkstationID>POS1</WorkstationID>
    <SequenceNumber>10006</SequenceNumber>
    <POSLogDateTime TypeCode="Transaction">2001-08-
13T09:01:00</POSLogDateTime>
    <OperatorID>John</OperatorID>
    <CustomerOrderTransaction TransactionStatus="Suspended">
      <LineItem>
        <!-- Brennivin -->
        <Sale>
          <POSIdentity POSIDType="SKU">
            <POSItemID>9876</POSItemID>
          </POSIdentity>
          <ExtendedAmount>7.00</ExtendedAmount>
          <Quantity>2</Quantity>
          <OrderItemStatus>Sent</OrderItemStatus>
        </Sale>
        <SequenceNumber>1</SequenceNumber>
      </LineItem>
    </CustomerOrderTransaction>
    <RevenueCenterID>Bar Tab</RevenueCenterID>
  </Transaction>
</POSLog>
```

**6.1b Conformance XML Instance Document –Pay at the Table**

```
<?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>HighStreet</UnitID>
  </BusinessUnit>
  <WorkstationID>POS5</WorkstationID>
  <SequenceNumber>100</SequenceNumber>
  <POSLogDateTime TypeCode="Transaction">2001-08-
13T09:01:00</POSLogDateTime>
  <OperatorID>John</OperatorID>
  <RetailTransaction>
    <LineItem>
      <!-- Bar Tab -->
      <Sale>
        <POSIdentity POSIDType="SKU">
          <POSItemID>123</POSItemID>
        </POSIdentity>
        <ExtendedAmount>7.00</ExtendedAmount>
        <Quantity>2</Quantity>
        <TransactionLink>
          <TransactionID>10006</TransactionID>
        </TransactionLink>
      </Sale>
      <SequenceNumber>1</SequenceNumber>
    </LineItem>
    <LineItem>
      <!-- Alligator Sandwich -->
      <Sale>
        <POSIdentity POSIDType="SKU">
          <POSItemID>234</POSItemID>
        </POSIdentity>
        <ExtendedAmount>3.50</ExtendedAmount>
      </Sale>
      <SequenceNumber>2</SequenceNumber>
    </LineItem>
    <LineItem>
      <!-- Kangaroo -->
      <Sale>
        <POSIdentity POSIDType="SKU">
          <POSItemID>678</POSItemID>
        </POSIdentity>
        <ExtendedAmount>6.00</ExtendedAmount>
      </Sale>
      <SequenceNumber>3</SequenceNumber>
    </LineItem>
    <LineItem>
      <Tax>
        <Amount>1.00</Amount>
        <Percent>7</Percent>
      </Tax>
      <SequenceNumber>4</SequenceNumber>
```



```
</LineItem>
<LineItem>
  <Tender>
    <Amount>17.50</Amount>
  </Tender>
  <SequenceNumber>5</SequenceNumber>
</LineItem>
</RetailTransaction>
<RevenueCenterID>Dinning Room</RevenueCenterID>
</Transaction>
</POSLog>
```

## 7. Use Case: **Item Purchase on Backorder**

---

When a Customer wishes to purchase an item that is temporarily out of stock a Back-Order is entered at the POS, and the customer may pay some of or the entire purchase price of the item as a deposit. When the item is back in stock the arrangements will be made for the customer to complete the purchase. All scenarios in this use-case use the same set of actors.

### 7.1 Scenario: **Back-Order for Pickup (V2.1)**

#### **Brief Description**

Customer wishes to purchase an item that is temporarily out of stock. A Back-Order is entered in at the POS, the customer may pay some or all of the purchase price of the item as a deposit. When the item is back in stock the customer will pickup the item from the original store.

#### **Data**

- Transaction header data, including:
  - Identifiers for Store, Workstation, & Operator performing the transaction.
  - The date the transaction was performed
  - A workstation assigned sequence number identifying the transaction
- Item data, including:
  - An identifier for the item being placed on back order.
  - The number of multiples of the item being placed on back order.
  - The current unit-price of the item, and the extended amount for the sale.
- Inventory Reservation number.
- Customer Contact data, including, Customer Name, Address & Telephone Number.
- Approval information identifying the manager who approved the back-order.

**7.1a Conformance XML Instance Document - Back-Order for Pickup**

```
<?xml version="1.0" encoding="UTF-8"?>
<!-- UseCase: Item unavailable, so BackOrder created -->
<!-- Note: Addition of AccountNumber and Deposit elements to record deposit paid -->
<!-- Inclusion of Pickup information to identify who will complete purchase when it arrives -->
<!-- InventoryReservationID records an inventory reservation for item. -
->
<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>HighStreet</UnitID>
    </BusinessUnit>
    <WorkstationID>POS5</WorkstationID>
    <SequenceNumber>4294967295</SequenceNumber>
    <OperatorID>John</OperatorID>
    <RetailTransaction>
      <LineItem>
        <CustomerOrderForPickup ItemType="Stock">
          <POSIdentity>
            <POSItemID>01234567890123</POSItemID>
          </POSIdentity>
          <MerchandiseHierarchy Level="Department">Home
            Entertainment</MerchandiseHierarchy>
          <Description>Large TV</Description>
          <ActualSalesUnitPrice>495.00</ActualSalesUnitPrice>
          <ExtendedAmount>495.00</ExtendedAmount>
          <Quantity>1</Quantity>
          <Pickup>
            <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>202</AreaCode>
              <LocalNumber>5555957</LocalNumber>
              <ITUCountryCode>1</ITUCountryCode>
            </TelephoneNumber>
          </Pickup>
        </CustomerOrderForPickup>
      </LineItem>
    </RetailTransaction>
  </Transaction>
</POSLog>
```

```
        <From>Warehouse</From>
    </CustomerOrderForPickup>
    <SequenceNumber>1</SequenceNumber>
</LineItem>
<LineItem>
    <PaymentOnAccount>
        <AccountNumber>782323-132</AccountNumber>
        <Amount>100.00</Amount>
    </PaymentOnAccount>
    <SequenceNumber>2</SequenceNumber>
</LineItem>
</RetailTransaction>
<TillID>22</TillID>
<BusinessDayDate>2001-08-13</BusinessDayDate>
</Transaction>
</POSLog>
```

### 7.1b Alternative Conformance XML Instance Document - Back-Order for Pickup

```
<?xml version="1.0" encoding="UTF-8"?>
<!-- UseCase: Item unavailable, so BackOrder created -->
<!-- Note: AccountNumber and Deposit elements in separate PaymentOnAccount line
item -->
<!-- Inclusion of Pickup information at Transaction header level rather than line item
-->
<!-- InventoryReservationID records inventory reservation made for item on behalf of
customer -->
<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>HighStreet</UnitID>
    </BusinessUnit>
    <WorkstationID>POS5</WorkstationID>
    <SequenceNumber>4294967295</SequenceNumber>
    <OperatorID>John</OperatorID>
    <RetailTransaction>
      <LineItem>
        <CustomerOrderForPickup ItemType="Stock">
          <POSIdentity>
            <POSItemID>01234567890123</POSItemID>
          </POSIdentity>
          <ExtendedAmount>495.00</ExtendedAmount>
          <Quantity>1</Quantity>
          <From>Warehouse</From>
```

```
</CustomerOrderForPickup>
<SequenceNumber>1</SequenceNumber>
</LineItem>
<LineItem>
  <PaymentOnAccount>
    <AccountNumber>782323-132</AccountNumber>
    <Amount>100.00</Amount>
  </PaymentOnAccount>
  <SequenceNumber>2</SequenceNumber>
</LineItem>
<Pickup>
  <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>202</AreaCode>
    <LocalNumber>5555957</LocalNumber>
    <ITUCountryCode>1</ITUCountryCode>
  </TelephoneNumber>
</Pickup>
</RetailTransaction>
</Transaction>
</POSLog>
```

## 7.2 Scenario: **Back-Order For Delivery (V2.1)**

### Brief Description

Customer wishes to purchase an item that is temporarily out of stock. A Back-Order is entered in at the POS; the customer may pay some or the entire purchase price of the item as a deposit. When the item is back in stock, fulfillment will arrange for the item to be delivered to the customer.

### Data

- Transaction header data, including:
  - Identifiers for Store, Workstation, & Operator performing the transaction.
  - The date the transaction was performed
  - A workstation assigned sequence number identifying the transaction
- Item data, including:
  - An identifier for the item being placed on back order.
  - The number of multiples of the item being placed on back order.
  - The current unit-price of the item, and the extended amount for the sale.
- Inventory Reservation number.
- Delivery data, including:

- Customer Name, Address & Telephone Number.
- Preferred delivery date & time.
- Approval information identifying the manager who approved the back-order.

### 7.2a Conformance XML Instance Document - Back-Order For Delivery

```
<?xml version="1.0" encoding="UTF-8"?>
<!-- UseCase: Item unavailable, so BackOrder created -->
<!-- Note: AccountNumber and Deposit elements in separate PaymentOnAccount line
item -->
<!-- Inclusion of Delivery information at Transaction header level rather than line
item -->
<!-- InventoryReservationID records inventory reservation made for item on behalf of
customer -->
<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>HighStreet</UnitID>
    </BusinessUnit>
    <WorkstationID>POS5</WorkstationID>
    <SequenceNumber>4294967295</SequenceNumber>
    <OperatorID>John</OperatorID>
    <RetailTransaction>
      <LineItem>
        <CustomerOrderForDelivery ItemType="Stock">
          <POSIdentity>
            <POSItemID>01234567890123</POSItemID>
          </POSIdentity>
          <ExtendedAmount>495.00</ExtendedAmount>
          <Quantity>1</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>202</AreaCode>
              <LocalNumber>555 5957</LocalNumber>
              <ITUCountryCode>1</ITUCountryCode>
            </TelephoneNumber>
          </Delivery>
        </CustomerOrderForDelivery>
      </LineItem>
    </RetailTransaction>
  </Transaction>
</POSLog>
```

```
        <From>Warehouse</From>
      </CustomerOrderForDelivery>
      <SequenceNumber>1</SequenceNumber>
    </LineItem>
    <LineItem>
      <PaymentOnAccount>
        <AccountNumber>782323-132</AccountNumber>
        <Amount>100.00</Amount>
      </PaymentOnAccount>
      <SequenceNumber>2</SequenceNumber>
    </LineItem>
  </RetailTransaction>
</Transaction>
</POSLog>
```

## 7.2b Alternative Conformance XML Instance Document - Back-Order For Delivery

```
<?xml version="1.0" encoding="UTF-8"?>
<!-- UseCase: Item unavailable, so BackOrder created -->
<!-- Note: AccountNumber and Deposit elements in separate PaymentOnAccount line
item -->
<!-- Inclusion of Delivery information at Transaction header level rather than line
item -->
<!-- InventoryReservationID records inventory reservation made for item on behalf of
customer -->
<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>HighStreet</UnitID>
    </BusinessUnit>
    <WorkstationID>POS5</WorkstationID>
    <SequenceNumber>4294967295</SequenceNumber>
    <OperatorID>John</OperatorID>
    <RetailTransaction>
      <LineItem>
        <CustomerOrderForDelivery ItemType="Stock">
          <POSIdentity>
            <POSItemID>01234567890123</POSItemID>
          </POSIdentity>
          <ExtendedAmount>495.00</ExtendedAmount>
          <Quantity>1</Quantity>
          <From>Warehouse</From>
        </CustomerOrderForDelivery>
        <SequenceNumber>1</SequenceNumber>
      </LineItem>
```

```
<LinItem>
  <PaymentOnAccount>
    <AccountNumber>782323-132</AccountNumber>
    <Amount>100.00</Amount>
  </PaymentOnAccount>
  <SequenceNumber>2</SequenceNumber>
</LinItem>
<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>(202)</AreaCode>
    <LocalNumber>555 5957</LocalNumber>
  </TelephoneNumber>
  <Method>Courier</Method>
</Delivery>
</RetailTransaction>
</Transaction>
</POSLog>
```

### 7.3 Scenario: **Previous Back-Order Cancellation (V2.1)**

#### **Brief Description**

When the store is unable to source an item on Back-Order, the Back-Order must be cancelled, and the customer receives their deposit back.

#### **Data**

- Transaction header data, including:
  - Identifiers for Store, Workstation, & Operator performing the transaction.
  - The date the transaction was performed
  - A workstation assigned sequence number identifying the transaction
- Item data, including:
  - An identifier for the item being placed on back order.
  - The number of multiples of the item being placed on back order.
  - The current unit-price of the item, and the extended amount for the sale.
- Inventory Reservation number.
- Refund data:
  - Account number
  - Amount
- Approval information identifying the manager who approved the cancellation of the back-order.



### 7.3 Conformance XML Instance Document - Previous Back-Order Cancellation

```
<?xml version="1.0" encoding="UTF-8"?>
<!-- UseCase: Previously created BackOrder is cancelled -->
<!-- Note: Addition of PaymentOnAccount line item to record deposit refund -->
<!-- InventoryReservationID links back to original BackOrder -->
<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>HighStreet</UnitID>
    </BusinessUnit>
    <WorkstationID>POS5</WorkstationID>
    <SequenceNumber>4294967295</SequenceNumber>
    <OperatorID>John</OperatorID>
    <RetailTransaction>
      <LineItem>
        <PreviousCustomerOrder ItemType="Stock" Action="Cancelled">
          <POSIdentity>
            <POSItemID>01234567890123</POSItemID>
          </POSIdentity>
          <ExtendedAmount>495.00</ExtendedAmount>
          <Quantity>1</Quantity>
        </PreviousCustomerOrder>
        <SequenceNumber>1</SequenceNumber>
      </LineItem>
      <LineItem>
        <PaymentOnAccount Refund="true">
          <AccountNumber>34905832-45</AccountNumber>
          <Amount>100.00</Amount>
        </PaymentOnAccount>
        <SequenceNumber>2</SequenceNumber>
      </LineItem>
    </RetailTransaction>
  </Transaction>
</POSLog>
```

## 8. Document History

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## 9. Version History

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### Version 1.0

#### Overview

#### New Features

Sections	Description of Change
	-

#### Minor fixes

#### Deprecation

Sections	Description of Change
	-

#### Compatibility/Dependencies Issues

#### Previous Document

## 10. GLOSSARY

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Term	Definition