



ARTS POSLog V6.0

Volume 12: Promotions/Discounts/Rebates Technical Specification
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1. Abstract

1.1 Overview

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**
- **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

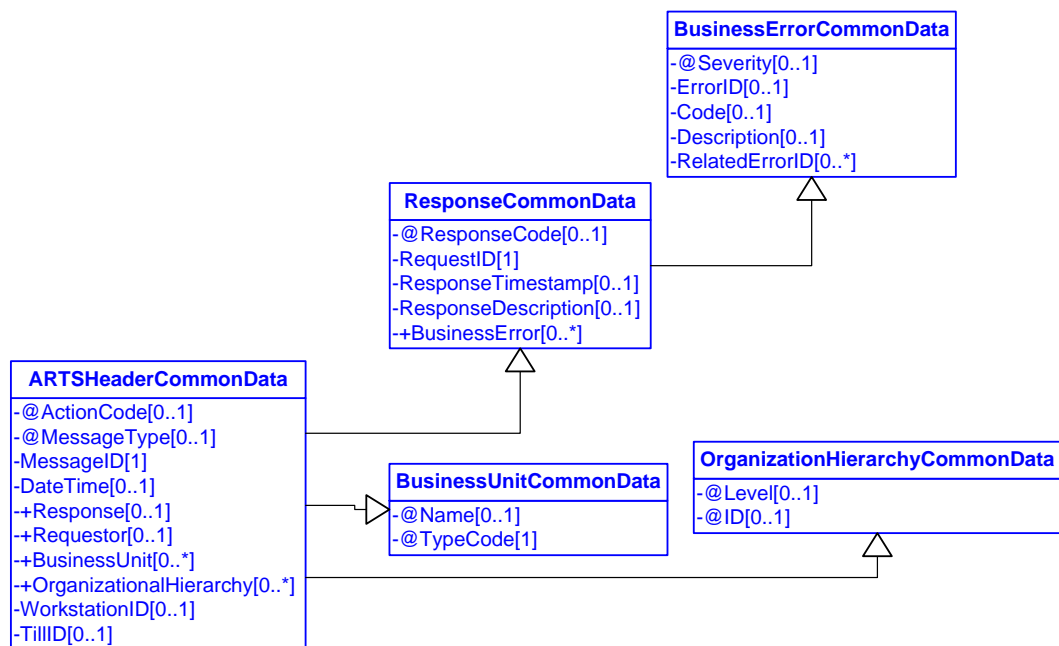


Figure 1: ARTS Common Header Domain View

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 : Item discount

4.1 Scenario: Package discount on weighted item (V6.0)

Brief Description

Customer purchases a weighted item and has a coupon for a \$1.00 off of one weighted package. The resulting discount amount will reflect that the \$1.00 off is per package and not per pound.

Scenario Description

Customer purchases a package of chicken at 1.04 pounds which is priced at 3.99 a pound. The store is offering a discount of \$1.00 per package of chicken. Customer pays \$4.15 for the package of chicken and also receives a \$1.00 discount reducing his amount due to \$3.15.

Data

Transaction header data, including:

- Identifiers for Store, Workstation, & Operator performing the transaction.
- The date & time the transaction was performed
- A workstation assigned sequence number identifying the transaction

- Item sale data, including:
 - An identifier for the item being sold.
 - The unit of measure (weight) of the item being sold.
 - Unit price per pound for the item being sold.
 - The extended amount (i.e. Unit price * the weight)

Discount data including the discount amount for the package with a description indicating the discount is per package, not pound

4.1 Conformance XML Instance Document – Package discount on weighted item

```
<?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>
    <OperatorID>John</OperatorID>
    <RetailTransaction>
      <LineItem>
        <Sale ItemType="Stock">
          <!-- Chicken -->
```

```
<ItemID>2354</ItemID>
<!-- per pound price -->
<RegularSalesUnitPrice>3.99</RegularSalesUnitPrice>
<!-- total including weight and after discount -->
<ExtendedAmount>3.15</ExtendedAmount>
<!-- 1.04 pounds of chickent -->
<Quantity UnitOfMeasureCode="LBR">1.04</Quantity>
<RetailPriceModifier MethodCode="Coupon">
  <SequenceNumber>1</SequenceNumber>
  <Amount Action="Subtract">1.00</Amount>
  <NewPrice>3.15</NewPrice>
  <PromotionID TypeCode="UPC">123123</PromotionID>
  <Description>the discount is per package</Description>
</RetailPriceModifier>
</Sale>
<SequenceNumber>1</SequenceNumber>
</LineItem>
</RetailTransaction>
</Transaction>
</POSLog>
```

4.2 Scenario: Weight discount on weighted item (V6.0)

Brief Description

Customer purchases a weighted item and has a coupon for a \$0.10 off per pound. The resulting discount amount will reflect that the \$0.10 off is per pound and not per package.

Scenario Description

Customer purchases a package of chicken at 1.04 pounds which is priced at 3.99 a pound. The store is offering a discount of \$0.10 per pound of chicken. Customer buys 3 lbs of chicken and also receives a \$.30 discount reducing his amount due to \$3.15.

Data

Transaction header data, including:

- Identifiers for Store, Workstation, & Operator performing the transaction.
- The date & time the transaction was performed
- A workstation assigned sequence number identifying the transaction

- Item sale data, including:

- An identifier for the item being sold.
- The unit of measure (weight) of the item being sold.
- Unit price per pound for the item being sold.
- The extended amount (i.e. Unit price * the weight)
- Discount data including the discount amount for the package with a description indicating the discount is per package, not pound

4.2 Conformance XML Instance Document – Weight discount on weighted item

```
<?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>
  <OperatorID>John</OperatorID>
  <RetailTransaction>
    <LineItem>
      <Sale ItemType="Stock">
        <!-- Chicken -->
        <ItemID>2354</ItemID>
        <!-- per pound price -->
        <RegularSalesUnitPrice>3.99</RegularSalesUnitPrice>
        <!-- total including weight and after discount -->
        <ExtendedAmount>3.69</ExtendedAmount>
        <!-- 3 pounds of chickent -->
        <Quantity UnitOfMeasureCode="LBR">3</Quantity>
        <RetailPriceModifier MethodCode="Coupon">
          <SequenceNumber>1</SequenceNumber>
          <Amount Action="Subtract">.30</Amount>
          <NewPrice>3.69</NewPrice>
          <PromotionID TypeCode="UPC">123123</PromotionID>
          <Description>the discount is per pound</Description>
        </RetailPriceModifier>
      </Sale>
      <SequenceNumber>1</SequenceNumber>
    </LineItem>
  </RetailTransaction>
</Transaction>
</POSLog>
```

4.3 Scenario: Customer scanned coupons (V6.0)

Brief Description

Customer scans one or more items at a self checkout station and then scans coupons. The coupons will be displayed on the user interface with a description indicating they were scanned coupons so the customer can see which coupons they scanned in as opposed to any other electronic discounts they may have received.

Scenario Description

Customer scans items at a self checkout station including a gallon of milk and a loaf of bread. When she is done scanning the items she then scans the paper coupons that she has, one for .50 off the gallon of milk and one for .30 off of the bread. The coupons appear on the display and the receipt with a description of "Scanned Coupon".

Data

Transaction header data, including:

Identifiers for Store and Workstation

The date & time 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)

Discount including the discount amount and a description field.

4.3 Conformance XML Instance Document – Customer scanned coupons

```
<?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>
    <OperatorID>John</OperatorID>
    <RetailTransaction>
      <LineItem>
        <!-- gallon of milk -->
        <Sale ItemType="Stock">
          <ItemID>01234567890123 </ItemID>
          <RegularSalesUnitPrice>5.50</RegularSalesUnitPrice>
          <ExtendedAmount>5.00</ExtendedAmount>
          <!-- Scanned Coupon -->
          <RetailPriceModifier>
            <SequenceNumber>1</SequenceNumber>
            <Amount Action="Subtract">.50</Amount>
            <PromotionID TypeCode="UPC">432234</PromotionID>
            <Description>scanned coupon</Description>
          </RetailPriceModifier>
        </Sale>
        <SequenceNumber>1</SequenceNumber>
      </LineItem>
      <LineItem>
        <!-- Loaf of Bread -->
        <Sale ItemType="Stock">
          <ItemID>97789 </ItemID>
```

```
<RegularSalesUnitPrice>3.00</RegularSalesUnitPrice>
<ExtendedAmount>2.70</ExtendedAmount>
<!-- Scanned Coupon -->
<RetailPriceModifier>
  <SequenceNumber>1</SequenceNumber>
  <Amount Action="Subtract">.30</Amount>
  <PromotionID TypeCode="UPC">432234</PromotionID>
  <Description>scanned coupon</Description>
</RetailPriceModifier>
</Sale>
<SequenceNumber>2</SequenceNumber>
</LineItem>
<LineItem>
  <Tax>
    <Amount>.77</Amount>
  </Tax>
</LineItem>
<!-- total Grand = 5 +2.70 + .77 -->
<Total TotalType="TransactionGrandAmount">8.47</Total>
</RetailTransaction>
</Transaction>
</POSLog>
```

5. USE CASE: Transaction Discounts

5.1 Scenario: 10% Off The Transaction (V6.0)

Brief Description

The store is running a 10% off the entire transaction Grandpa day. This applies to the entire of the transaction.

Scenario Description

Customer goes into retail store on Grandpa days to get the 10% off promotion.

Data

- Transaction discount

5.1 Conformance XML Instance Document – 10% Off The 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>
    <OperatorID>John</OperatorID>
    <RetailTransaction>
      <LineItem>
        <!-- Pair of Socks -->
        <Sale ItemType="Stock">
          <ItemID>01234567890123 </ItemID>
          <ExtendedAmount>10.00</ExtendedAmount>
        </Sale>
        <SequenceNumber>1</SequenceNumber>
      </LineItem>
      <LineItem>
        <!-- Get 10% off the transaction -->
        <Discount>
          <SequenceNumber>1</SequenceNumber>
          <Amount Action="Subtract">1.00</Amount>
          <DiscountID>234</DiscountID>
        </Discount>
      </LineItem>
      <LineItem>
        <Tax>
          <Amount>.45</Amount>
        </Tax>
      </LineItem>
    </RetailTransaction>
  </Transaction>
</POSLog>
```

```
</LineItem>
<!-- total Grand = 10 - 1 +.45 -->
<Total TotalType="TransactionGrandAmount">9.45</Total>
</RetailTransaction>
</Transaction>
</POSLog>
```

5.2 Scenario: Prorate 10% Off The Transaction (V6.0)

Brief Description

The store is running a 10% off the entire transaction Grandpa day. This applies to the entire of the transaction and is prorated across all the items in the shopping basket.

Scenario Description

Customer goes into retail store on Grandpa days to get the 10% off promotion.

Data

- Transaction discount
 - ProrateFlag = true

5.1 Conformance XML Instance Document – Prorate 10% Off The 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>
    <OperatorID>John</OperatorID>
    <RetailTransaction>
      <LineItem>
        <Sale ItemType="Stock">
          <ItemID>01234567890123</ItemID>
          <ExtendedAmount>4.00</ExtendedAmount>
        </Sale>
        <SequenceNumber>1</SequenceNumber>
      </LineItem>
      <LineItem>
        <Sale>
          <ItemID>345</ItemID>
          <ExtendedAmount>3.00</ExtendedAmount>
        </Sale>
        <SequenceNumber>2</SequenceNumber>
      </LineItem>
      <LineItem>
        <Discount ProratedFlag="true">
```

```
        <SequenceNumber>1</SequenceNumber>
        <Percent Action="Subtract">10</Percent>
        <ItemLink>1</ItemLink>
        <ItemLink>2</ItemLink>
    </Discount>
    <SequenceNumber>3</SequenceNumber>
</LineItem>
<LineItem>
    <Tax>
        <TaxableAmount>6.30</TaxableAmount>
        <Amount>.63</Amount>
    </Tax>
</LineItem>
<Total TotalType="TransactionGrandAmount">6.93</Total>
<Total TotalType="TransactionNetAmount">6.30</Total>
<Total TotalType="TransactionGrossAmount">7.00</Total>
<Total TotalType="TransactionTaxAmount">.63</Total>
</RetailTransaction>
</Transaction>
</POSLog>
```

5.3 Scenario: All store brand products are 10% off (V6.0)

Brief Description

A customer is uses a coupon to give them 10% off all store brand products and buys a mix of products some that apply to the coupon and some that do not. This applies to a subset of the transaction as opposed to applying to an individual item or the entire transaction. This applies to any collection of related items such as items from a particular department.

Scenario Description

Customer buys several store brand products plus several products from other brands. She presents a coupon to get 10% off of the store brand items.

Data

- Transaction discount
 - contains links to the store brand products

5.1 Conformance XML Instance Document – Customer scanned coupons

```
<?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>
```

```
<OperatorID>John</OperatorID>
<RetailTransaction>
  <LineItem>
    <Sale>
      <!-- My Store Soap -->
      <ItemID>01234567890123</ItemID>
      <ExtendedAmount>3.95</ExtendedAmount>
    </Sale>
    <SequenceNumber>1</SequenceNumber>
  </LineItem>
  <LineItem>
    <Sale>
      <!-- My Store Bread -->
      <ItemID>034534</ItemID>
      <ExtendedAmount>4.55</ExtendedAmount>
    </Sale>
    <SequenceNumber>2</SequenceNumber>
  </LineItem>
  <LineItem>
    <Sale>
      <!-- Name Brand Shirt -->
      <ItemID>54345</ItemID>
      <ExtendedAmount>13.95</ExtendedAmount>
    </Sale>
    <SequenceNumber>3</SequenceNumber>
  </LineItem>
  <LineItem>
    <Discount>
      <SequenceNumber>1</SequenceNumber>
      <Percent Action="Subtract">10</Percent>
      <ItemLink>1</ItemLink>
      <ItemLink>2</ItemLink>
      <DiscountID>ABC_Coupon</DiscountID>
    </Discount>
    <SequenceNumber>4</SequenceNumber>
  </LineItem>
  <LineItem>
    <!-- 10% tax -->
    <Tax>
      <Amount>2.16</Amount>
    </Tax>
  </LineItem>
  <Total TotalType="TransactionNetAmount">21.60</Total>
  <Total TotalType="TransactionGrossAmount">22.45</Total>
  <Total TotalType="TransactionGrandAmount">21.76</Total>
  <Total TotalType="DiscountAmount">.85</Total>
</RetailTransaction>
</Transaction>
</POSLog>
```

6. USE CASE: Free-item coupons (V6.0)

6.1 Scenario: A customer brings in a free item coupon and value of the coupon is the price of the item (V6.0)

Brief Description

An offer is created that if a customer buys ketchup then the hot dogs are free (up to 2.50 per package), when the coupon is entered the price of the hot dogs is needed.

Scenario Description

Customer buys ketchup and hot dogs and presents a coupon for free hot dogs. The hot dogs are 2.39. When the coupon is entered the cashier is prompted to enter the price of the hot dogs, in this case the coupon price is the hot dog price.

Data

- Store coupon data, including:
Amount of the Retail Transaction Line Item

6.1 ARTS XML Conformance XML Instance Document – A customer brings in a free item coupon and value of the coupon is the price of the item Request:

```
<?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>
    <OperatorID>John</OperatorID>
    <RetailTransaction>
      <LineItem>
        <Sale>
          <!-- Ketchup -->
          <ItemID>01234567890123</ItemID>
          <ExtendedAmount>3.95</ExtendedAmount>
        </Sale>
        <SequenceNumber>1</SequenceNumber>
      </LineItem>
      <!-- Hot Dogs -->
      <LineItem>
        <Sale>
          <ItemID>2345543</ItemID>
          <ExtendedAmount>9.95</ExtendedAmount>
        </Sale>
      </LineItem>
    </RetailTransaction>
  </Transaction>
</POSLog>
```



```
<SequenceNumber>2</SequenceNumber>
</LineItem>
<!-- Free Hot Dog Coupon -->
<LineItem>
  <Discount>
    <SequenceNumber>1</SequenceNumber>
    <Amount Action="Subtract">9.95</Amount>
    <PromotionID TypeCode="CouponID">2342342</PromotionID>
    <ItemLink>2</ItemLink>
  </Discount>
  <SequenceNumber>3</SequenceNumber>
</LineItem>
</RetailTransaction>
</Transaction>
</POSLog>
```

7. USE CASE: Customer uses more than one store coupon entered with a keyed quantity (V6.0)

Brief Description

7.1 Scenario: A customer brings in more than one of the same paper coupon to use in a transaction (V6.0)

Brief Description

A customer brings in more than one of the same store coupon to apply to a transaction. The cashier uses a quantity key to enter the coupons.

Scenario Description

Customer brings three coupons for \$0.50 off of a store brand item to use in her transaction. The cashier enters the coupons by entering a quantity of three and scanning one of the coupons.

Data

- Store coupon data, including:
 - An identifier for the RetailPriceModifier
 - Amount of the RetailPriceModifier
 - Quantity of the RetailPriceModifier

7.1 ARTS XML Conformance XML Instance Document – A customer brings in more than one of the same paper coupon to use in a transaction Request:

```
<?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>
    <OperatorID>John</OperatorID>
    <RetailTransaction>
      <LineItem>
        <Sale>
          <ItemID>01234567890123</ItemID>
          <RegularSalesUnitPrice>5.00</RegularSalesUnitPrice>
          <ExtendedAmount>18.50</ExtendedAmount>
          <ExtendedDiscountAmount>1.50</ExtendedDiscountAmount>
          <Quantity>4</Quantity>
          <!-- 3 coupons -->
          <RetailPriceModifier>
            <SequenceNumber>1</SequenceNumber>
            <Amount Action="Subtract">.50</Amount>
          </RetailPriceModifier>
        </Sale>
      </LineItem>
    </RetailTransaction>
  </Transaction>
</POSLog>
```

```
        <PromotionID TypeCode="CouponID">234234</PromotionID>
        <Quantity>3</Quantity>
    </RetailPriceModifier>
</Sale>
    <SequenceNumber>1</SequenceNumber>
</LineItem>
</RetailTransaction>
</Transaction>
</POSLog>
```

8. USE CASE: A customer receives a better promotion when another item is purchased, so a previous promotion is removed so that the better promotion can be applied. (V6.0)

8.1 Scenario: A customer has received \$5.00 off of their highest priced item for purchasing \$40.00 but then purchases \$10.00 more and is now eligible for \$7.00 off of their highest priced item.

Brief Description

A customer receives a promotion and then adds to their order and qualifies for a better promotion. So, the first promotion is removed and replaced by the second promotion.

Scenario Description

Customer buys \$40.00 worth of items and is eligible for \$5.00 off of a turkey. She receives the promotion and then purchases some more items and with \$50.00 is now eligible for \$7.00 off of the turkey instead of \$5.00.

Data

- Store coupon data, including:
 - An identifier for the RetailPriceModifier
 - Amount of the RetailPriceModifier
 - A RetailPriceModifierLink with an "Action" to indicate "Remove", "Add" or "Replace". The link needs to be able to tie multiple items to a promotion.

8.1 ARTS XML Conformance XML Instance Document – Multi-Level Coupon:

```
<?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>
    <OperatorID>John</OperatorID>
    <RetailTransaction>
      <LineItem>
        <!-- Turkey -->
        <Sale>
          <ItemID>01234567890123</ItemID>
          <ExtendedAmount>35.95</ExtendedAmount>
          <Quantity>1</Quantity>
        </Sale>
        <SequenceNumber>1</SequenceNumber>
      </LineItem>
```

```
<LinItem>
  <!-- Turkey Stuffing -->
  <Sale>
    <ItemID>234234</ItemID>
    <ExtendedAmount>5.00</ExtendedAmount>
  </Sale>
  <SequenceNumber>2</SequenceNumber>
</LinItem>
<LinItem>
  <!-- For over 40.00 get 5.00 off -->
  <Discount>
    <SequenceNumber>1</SequenceNumber>
    <Amount Action="Subtract">5.00</Amount>
    <ItemLink>1</ItemLink>
    <ItemLink>2</ItemLink>
  </Discount>
  <SequenceNumber>3</SequenceNumber>
</LinItem>
<LinItem>
  <!-- Bottle of Wine -->
  <Sale>
    <ItemID>s432sd</ItemID>
    <ExtendedAmount>15.00</ExtendedAmount>
  </Sale>
  <SequenceNumber>4</SequenceNumber>
</LinItem>
<LinItem>
  <!-- For over 50.00 get 7.00 off -->
  <Discount>
    <SequenceNumber>1</SequenceNumber>
    <Amount Action="Subtract">7.00</Amount>
    <PromotionID TypeCode="CouponID">234342</PromotionID>
    <!-- Remove previous coupon -->
    <RetailPriceModifierLink TypeCode="Remove">3</RetailPriceModifierLink>
  </Discount>
</LinItem>
<LinItem>
  <Tax>
    <Amount>4.89</Amount>
  </Tax>
</LinItem>
<Total TotalType="DiscountAmount">7.00</Total>
<Total TotalType="TransactionGrossAmount">55.94</Total>
<Total TotalType="TransactionGrandAmount">54.84</Total>
<Total TotalType="TransactionNetAmount">57.84</Total>
</RetailTransaction>
</Transaction>
</POSLog>
```

9. Use Case: Rebate

9.1 Scenario: Customer submits for rebate on vendor's website (V6.0)

Brief Description

A rebate is submitted by a customer at a vendor's website. The vendor validates the information provided by the customer with the transaction information provided by the retailer.

This is to capture the appropriate information to later support the vendor's rebate system.

Scenario Description

Customer buys a fan at a home goods store and later goes to the fan manufacturer's website to submit for a rebate offer on the fan.

Data

- Rebate Information
 - Rebate ID
 - Duplicate Rebate ID (for an exchange two rebates maybe have been submitted)
 - This information is used to communicate between the BOH and the vendor's rebate system to help manage the rebate process
 - Submission Date (transaction date)
 - Submission Method
 - Website/vendor if there are multiple websites to use to submit
 - Rebate Status
- Product(s) Information
 - UPC
 - SKU
 - Sale Price
 - Unit Price
 - Quantity
 - Extended Price
- Details of transaction corresponding to the product(s) in the claim
 - Transaction date/time
 - Retail Store ID
- Customer information

9.1 ARTS XML Conformance XML Instance Document – Customer submits for rebate on vendor's website Request:

```
<?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>
    <OperatorID>John</OperatorID>
    <RetailTransaction>
      <LineItem>
        <Sale>
          <ItemID>01234567890123</ItemID>
          <ExtendedAmount>23.95</ExtendedAmount>
          <RetailPriceModifier CardAction="Issue" MethodCode="Rebate">
            <SequenceNumber>1</SequenceNumber>
            <Percent Action="For">10</Percent>
            <PromotionID>234432234</PromotionID>
          </RetailPriceModifier>
        </Sale>
        <SequenceNumber>1</SequenceNumber>
      </LineItem>
    </RetailTransaction>
  </Transaction>
</POSLog>
```

10. USE CASE: Rain Checks

10.1 Scenario: Attempted Item purchase with rain check (V2.1)

Brief Description

Customer wants to purchase an item that is temporarily out-of-stock. Customer gives contact details & receives a “rain-check” receipt guaranteeing the price of the item when it is next available.

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
- Out-of-Stock Item data, including:
 - An identifier for the item.
 - The number of items requested.
 - Unit price for the item.
- Customer data, including:
 - Name
 - Address
 - Telephone Numbers

10.1a. Conformance XML Instance Document - Attempted Item Purchase With Rain Check Customer on Line Item

```
<?xml version="1.0" encoding="UTF-8"?>
<!-- UseCase: Attempted Item Purchase with rain-check -->
<!-- Note: RainCheck item type. -->
<!-- Addition of Customer in RainCheck 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>
        <RainCheck ItemType="Stock">
          <POSIdentity>
            <POSItemID>01234567890123</POSItemID>
          </POSIdentity>
          <ExtendedAmount>23.95</ExtendedAmount>
        </RainCheck>
      </LineItem>
    </RetailTransaction>
  </Transaction>
</POSLog>
```



```
<Quantity>1</Quantity>
<Customer>
  <Name>
    <Name Location="First">Stuart</Name>
    <Name Location="Last">McGrigor</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>
</Customer>
</RainCheck>
<SequenceNumber>1</SequenceNumber>
</LineItem>
</RetailTransaction>
</Transaction>
</POSLog>
```

10.1b. Alternative Conformance XML Instance Document - Attempted Item Purchase With Rain Check Customer on Transaction

```
<?xml version="1.0" encoding="UTF-8"?>
<!-- UseCase: Attempted Item Purchase with rain-check -->
<!-- Note: RainCheck item type. -->
<!-- Addition of Customer in transaction header -->
<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>HighStret</UnitID>
    </BusinessUnit>
    <WorkstationID>POS5</WorkstationID>
    <SequenceNumber>4294967295</SequenceNumber>
    <OperatorID>John</OperatorID>
    <RetailTransaction>
      <LineItem>
        <RainCheck ItemType="Stock">
          <POSIdentity>
            <POSItemID>01234567890123</POSItemID>
          </POSIdentity>
          <ExtendedAmount>23.95</ExtendedAmount>
          <Quantity>1</Quantity>
```

```
</RainCheck>
<SequenceNumber>1</SequenceNumber>
</LineItem>
<Total TotalType="TransactionGrossAmount">0.00</Total>
<Customer>
  <Name>
    <Name Location="First">Stuart</Name>
    <Name Location="Last">McGrigor</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>
</Customer>
</RetailTransaction>
</Transaction>
</POSLog>
```

10.2 Scenario: Rain Check (V2.1)

Scenario Description

Customer purchases an item, and has a rain-check receipt, guaranteeing the item at a lower price than the POS looks up.

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 sold.
 - The number of multiples of the item being sold.
 - The unit-price of the item
 - The extended amount for the items
- Price modification data, including:
 - The actual price charged for the items.
 - A reason code denoting that the price change is due to a rain-check.
 - Approval information identifying the manager who overrode the price.

10.2 Conformance XML Instance Document - Rain Check

```
<?xml version="1.0" encoding="UTF-8"?>
<!-- UseCase: Item Purchase with Manual Price Override Flow: Honoring previous
RainCheck -->
<!-- Note: RetailPriceModifier with RainCheck reason code. -->
```

```
<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>
        <Sale ItemType="Stock">
          <POSIdentity>
            <POSItemID>01234567890123</POSItemID>
          </POSIdentity>
          <ExtendedAmount>445.00</ExtendedAmount>
          <Quantity>1</Quantity>
          <RetailPriceModifier MethodCode="PriceOverride">
            <SequenceNumber>1</SequenceNumber>
            <Amount Action="Replace">445.00</Amount>
            <PreviousPrice>495.00</PreviousPrice>
            <ReasonCode>RainCheck</ReasonCode>
            <OperatorBypassApproval>
              <SequenceNumber>1</SequenceNumber>
              <ApproverID>45763</ApproverID>
              <LineApprovalCode>AA</LineApprovalCode>
            </OperatorBypassApproval>
          </RetailPriceModifier>
        </Sale>
        <SequenceNumber>1</SequenceNumber>
      </LineItem>
    </RetailTransaction>
  </Transaction>
</POSLog>
```

11. Document History

12. Version History

Version 1.0

Overview

New Features

Sections	Description of Change
	-

Minor fixes

Deprecation

Sections	Description of Change
	-

Compatibility/Dependencies Issues

Previous Document

13. GLOSSARY

Term	Definition