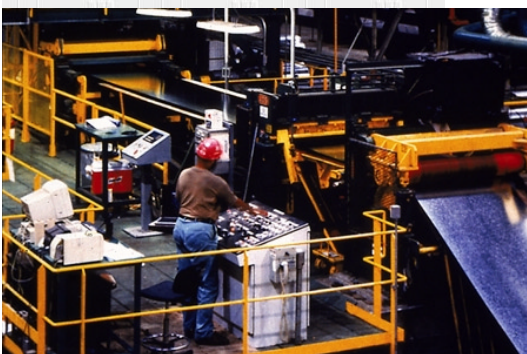
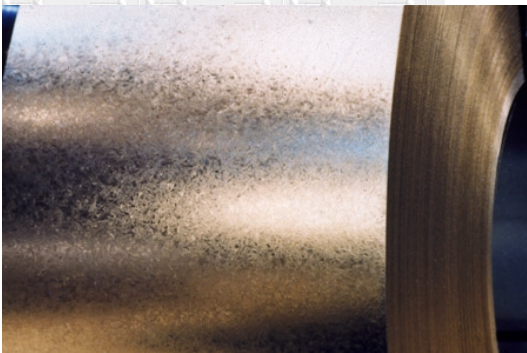
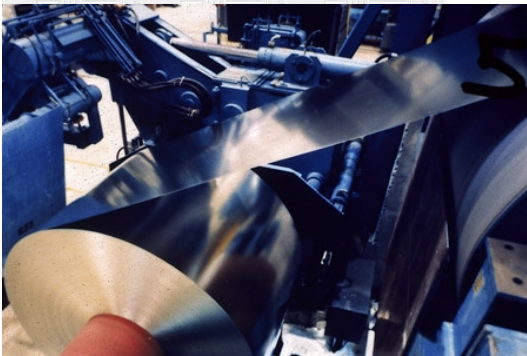


isXML: Ship Notice

An Industry Document Guideline for Metal Transactions

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Background

This document is intended to describe the ‘payload’ section of an XML-formatted ‘Ship Notice’ message. Message routing structures are not currently a part of these guidelines.

The **structure** of the AISI XML message is as follows:

isXML DTD

1. Interchange level (described in ‘Draft V0001 – Control.doc)
2. Transaction level
 - 2.1. Control (described in ‘Draft V0001 – Control.doc)
 - 2.2. Data Area
 - 2.2.1. Header
 - 2.2.2. Detail

As part of the methodology used to develop these guidelines, the work group mapped transaction data requirements, grouped like elements together as ‘classes’ or common components, and structured the document.

The section labeled ‘**Class Relationships**’ diagrams the document structure in terms of the identified classes or components. The section labeled ‘**Document Structure**’ further outlines the hierarchical structure of the message.

The ‘**isXML DTD**’ portion of the guideline contains the message DTD. The common class definitions have been ‘included’ in the DTD and are described in ‘Draft V0001 – Overview.doc’.

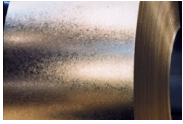
A number of sections in the guideline have been reserved for ‘examples’. The ‘source document’ is a representation of a paper document used to derive the example. The ‘machine version’ example is a fully extended version of the XML that would be used where sophisticated systems are communicating and have access to industry and society codes and table structures. Finally, the ‘text version’ example is used for a lower-tech implementation where codes and tables need not be referenced.

A tag dictionary is included in ‘Draft V0001 – Overview.doc’.



Transaction Description and Usage

This draft guideline contains the format and establishes the data contents of the shipping notice. The transaction set can be used to list the contents of a shipment of goods as well as additional information related to the shipment.



Class Relationships

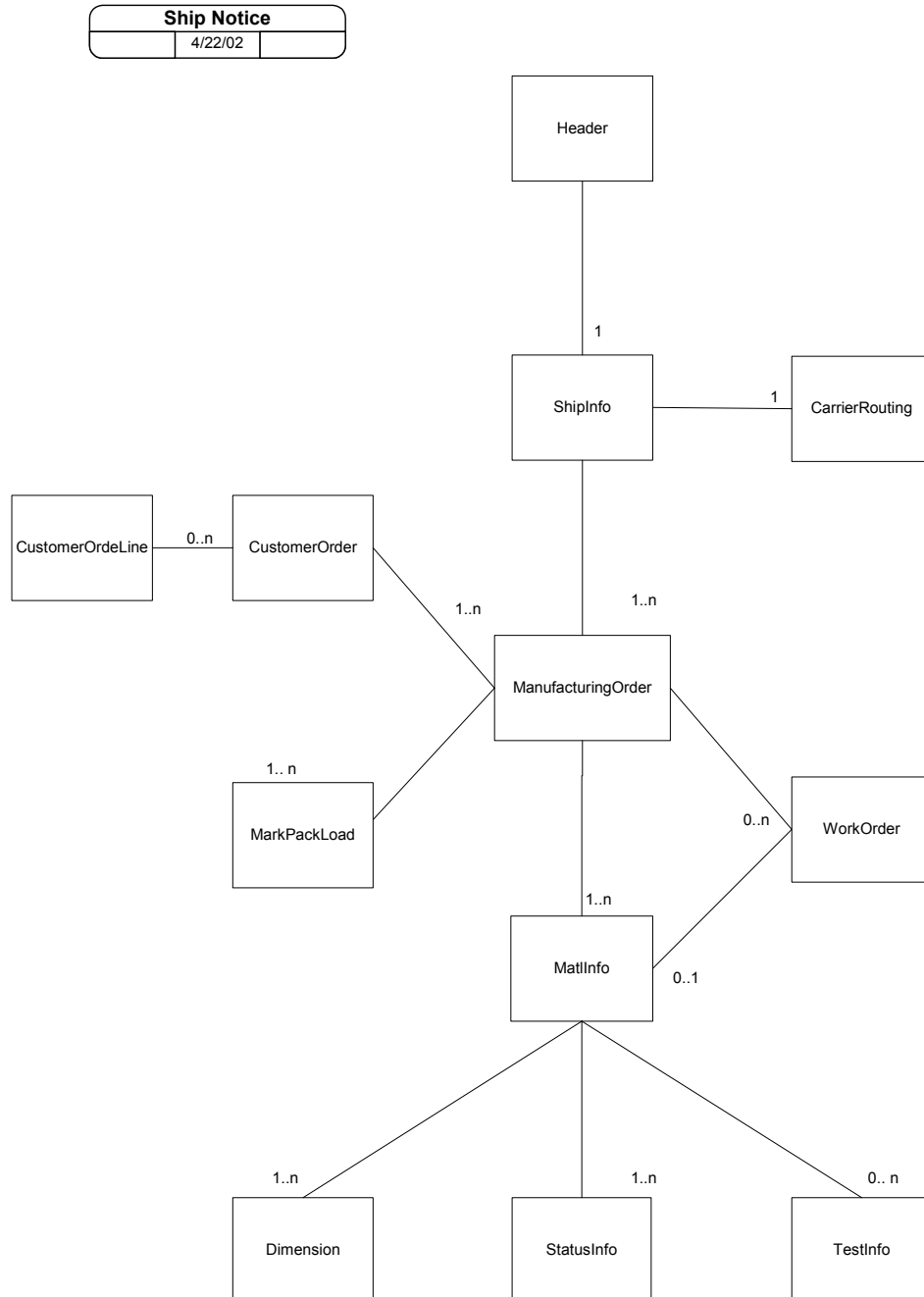
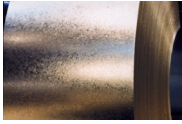


Figure 1



Document Structure

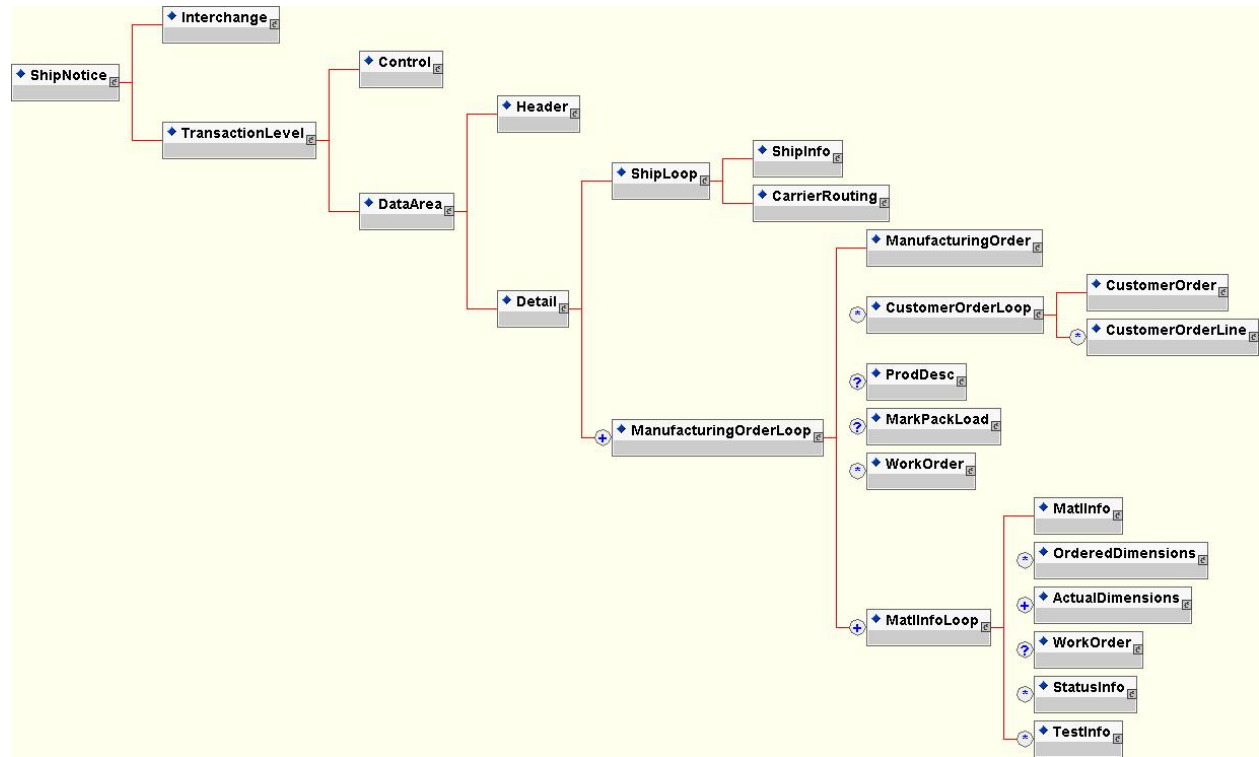
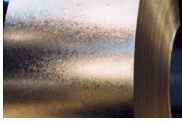


Figure 2



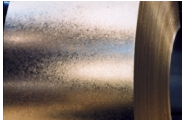
isXML DTD

```
<?xml version="1.0" encoding="UTF-8"?>
<!ENTITY % classcommon.dtd SYSTEM "classcommon.dtd">
%classcommon.dtd;
<!ELEMENT ShipNotice (Interchange, TransactionLevel)>
<!-- Document Definition has envelope information and transaction information -->
<!ELEMENT TransactionLevel (Control, DataArea)>
<!ELEMENT DataArea (Header, Detail)>
<!ELEMENT Detail (ShipLoop, ManufacturingOrderLoop+)>
<!ELEMENT ShipLoop (ShipInfo, CarrierRouting)>
<!ELEMENT ManufacturingOrderLoop (ManufacturingOrder, CustomerOrderLoop*, ProdDesc?,
MarkPackLoad?, WorkOrder*, MatlInfoLoop+)>
<!ELEMENT CustomerOrderLoop (CustomerOrder, CustomerOrderLine*)>
<!ELEMENT MatlInfoLoop (MatlInfo, OrderedDimensions*, ActualDimensions+, WorkOrder?, StatusInfo*,
TestInfo*)>
<!ELEMENT OrderedDimensions (%Dimension;)>
<!ELEMENT ActualDimensions (%Dimension;)>
```



Examples

The following are examples of the actual ship notice transaction in use. You will see a sample Ship Notice source document followed by both a machine-based and a text-based isXML example that match the source document

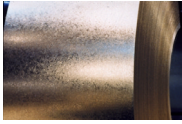


Example: Machine-Based Version

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE ShipNotice SYSTEM "ShipNotice.dtd">
<ShipNotice>
  <Interchange/>
  <TransactionLevel>
    <Control/>
    <DataArea>
      <Header>
        <ActionCode>
          <AgencyQualCode>AX</AgencyQualCode>
          <TableNum>306</TableNum>
          <CodeValue>5</CodeValue>
          <Desc>Send</Desc>
        </ActionCode>
        <ReportTransmissionCode>
          <AgencyQualCode>AX</AgencyQualCode>
          <TableNum>756</TableNum>
          <CodeValue>9</CodeValue>
          <Desc>Electronic Mail</Desc>
        </ReportTransmissionCode>
        <Partner PartnerType="SoldTo">
          <EntityIdCode/>
          <Name>NEW STEEL CORPORATION</Name>
          <Addr1>123 EAST MAIN STREET</Addr1>
          <CityName>ANYTOWN</CityName>
          <PostalCode>12345</PostalCode>
          <CountryCode>
            <Desc>USA</Desc>
          </CountryCode>
        </Partner>
        <Partner PartnerType="ShipTo">
          <EntityIdCode/>
          <Name>NEW STEEL PROCESSOR</Name>
          <Addr1>C/O NEW STEEL CORP</Addr1>
          <Addr2>987 WEST MAIN STREET</Addr2>
          <CityName>ANYTOWN</CityName>
          <PostalCode>12346</PostalCode>
          <CountryCode>
            <Desc>USA</Desc>
          </CountryCode>
        </Partner>
        <Partner PartnerType="Other">
          <EntityIdCode>
            <AgencyQualCode>AX</AgencyQualCode>
            <TableNum>98</TableNum>
            <CodeValue>RI</CodeValue>
            <Desc>REMIT TO</Desc>
          </EntityIdCode>
        </Partner>
      </Header>
    </DataArea>
  </TransactionLevel>
</Interchange>
</ShipNotice>
```

Partner Sold To

Partner Ship To

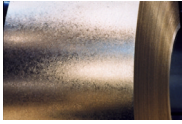


Ship Notice

Example: Machine-Based Version (con't)

```
</EntityIdCode>
<Name>123456789</Name>
<Addr1>PO BOX 123456</Addr1>
<CityName>NEW YORK</CityName>
<StateOrProvinceCode>
  <AgencyQualCode/>
  <TableNum/>
  <CodeValue>NY</CodeValue>
  <Desc>NEW YORK</Desc>
</StateOrProvinceCode>
<PostalCode>10001-001</PostalCode>
<CountryCode>
  <Desc>USA</Desc>
</CountryCode>
</Partner>
</Header>
<Detail>
  <ShipLoop>
    <ShipInfo>
      <ShipId>123-234567</ShipId>
      <TimeStamp TimeStampType="Shipment">
        <Date>2001.01.01</Date>
      </TimeStamp>
      <ShipMode>
        <CodeValue>ML</CodeValue>
      </ShipMode>
      <ShipMethodOfPayment>
        <AgencyQualCode>ST</AgencyQualCode>
        <TableNum>59</TableNum>
        <CodeValue>5</CodeValue>
        <Desc>PREPAID PRODUCER (MILL)</Desc>
      </ShipMethodOfPayment>
    </ShipInfo>
    <CarrierRouting>
      <VehicleIdNum>000000</VehicleIdNum>
    </CarrierRouting>
  </ShipLoop>
  <ManufacturingOrderLoop>
    <ManufacturingOrder>
      <MillOrderNum>12345678</MillOrderNum>
    </ManufacturingOrder>
  </CustomerOrderLoop>
    <CustomerOrder>
      <PurchaseOrderNum
PurchaseOrderNumType="CustomerOrderNum">TSG6548/5108479</PurchaseOrderNum>
      </CustomerOrder>
    </CustomerOrderLoop>
```



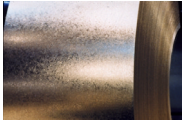


Example: Machine-Based Version (con't)

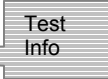
```
<ProdDesc>
  <Spec>GALVANIZE CARBON DDS AS COATED C .08 MAX MN .50 MAX P .02
  MAX S .03 MAX CU .20 MAX NI .20 MAX CR .15 MAX MO .06 MAX AL .01 MIN V .008 MAX
  UNEXPOSED PRIME SIDE OUT G60/60 MIN SPANGLE NO CHEM TREAT OIL LIGHT PICKLE WELDS
  OK YS 21.8 KSI/34.8 KSI YS 150 MPA/240 MPS TS MIN 39.2 KSI TS MIN 270 MPA EL MIN 36 5 EL
  DIST 2 INCHES CUSTOMER INFO ONLY TEST SEE INSP CAPTION PT#57891</Spec>
</ProdDesc>
<MatlInfoLoop>
  <MatlInfo>
    <MatlId MatlIdType="Producer">X1234567890</MatlId>
    <MatlId MatlIdType="Producer">X1234567890</MatlId>
    <HeatNum>F20453</HeatNum>
  </MatlInfo>
  <ActualDimensions>
    <Thk>
      <MeasValue>.0473</MeasValue>
    </Thk>
    <Width>
      <MeasValue>40.270</MeasValue>
      <UnitOrBasisForMeasCode>
        <AgencyQualCode>AX</AgencyQualCode>
        <TableNum>355</TableNum>
        <CodeValue>IN</CodeValue>
        <Desc>INCH</Desc>
      </UnitOrBasisForMeasCode>
    </Width>
    <Weight>
      <MeasValue>37680</MeasValue>
      <UnitOrBasisForMeasCode>
        <AgencyQualCode>ST</AgencyQualCode>
        <TableNum>24</TableNum>
        <CodeValue>01</CodeValue>
        <Desc>ACTUAL POUNDS</Desc>
      </UnitOrBasisForMeasCode>
    </Weight>
    <Weight>
      <MeasValue>36373</MeasValue>
      <UnitOrBasisForMeasCode>
        <AgencyQualCode>ST</AgencyQualCode>
        <TableNum>24</TableNum>
        <CodeValue>24</CodeValue>
        <Desc>THEORETICAL POUNDS</Desc>
      </UnitOrBasisForMeasCode>
    </Weight>
    <InsideDiam>
      <MeasValue>24</MeasValue>
      <UnitOrBasisForMeasCode>
```

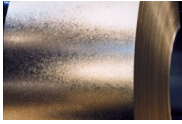
SPEC

Dimensions



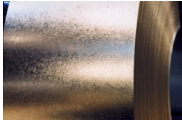
Example: Machine-Based Version (con't)

```
<AgencyQualCode>AX</AgencyQualCode>
<TableNum>355</TableNum>
<CodeValue>IN</CodeValue>
<Desc>INCH</Desc>
</UnitOrBasisForMeasCode>
</InsideDiam>
<OutsideDiam>
  <MeasValue>71.01</MeasValue>
  <UnitOrBasisForMeasCode>
    <AgencyQualCode>AX</AgencyQualCode>
    <TableNum>355</TableNum>
    <CodeValue>IN</CodeValue>
    <Desc>INCH</Desc>
  </UnitOrBasisForMeasCode>
  <RangeMax>71.01</RangeMax>
</OutsideDiam>
</ActualDimensions>
<TestInfo> 
  <ActualTestResults>
    <MeasRefIdCode>
      <AgencyQualCode>AX</AgencyQualCode>
      <TableNum>737</TableNum>
      <CodeValue>CH</CodeValue>
      <Desc>CHEMISTRY</Desc>
    </MeasRefIdCode>
    <MeasQual>
      <AgencyQualCode>AX</AgencyQualCode>
      <TableNum>738</TableNum>
      <CodeValue>ZC</CodeValue>
      <Desc>CARBON</Desc>
    </MeasQual>
    <MeasValue>0.0020</MeasValue>
    <UnitOrBasisForMeasCode>
      <AgencyQualCode>AX</AgencyQualCode>
      <TableNum>355</TableNum>
      <CodeValue>P1</CodeValue>
      <Desc>PERCENT</Desc>
    </UnitOrBasisForMeasCode>
  </ActualTestResults>
  <ActualTestResults>
    <MeasRefIdCode>
      <AgencyQualCode>AX</AgencyQualCode>
      <TableNum>737</TableNum>
      <CodeValue>CH</CodeValue>
      <Desc>CHEMISTRY</Desc>
    </MeasRefIdCode>
    <MeasQual>
      <AgencyQualCode>AX</AgencyQualCode>
      <TableNum>738</TableNum>
    </MeasQual>
  </ActualTestResults>
</TestInfo>
```



Example: Machine-Based Version (con't)

```
<CodeValue>ZMN</CodeValue>
  <Desc>MANGANESE</Desc>
</MeasQual>
<MeasValue>0.1470</MeasValue>
<UnitOrBasisForMeasCode>
  <AgencyQualCode>AX</AgencyQualCode>
  <TableNum>355</TableNum>
  <CodeValue>P1</CodeValue>
  <Desc>PERCENT</Desc>
</UnitOrBasisForMeasCode>
</ActualTestResults>
<ActualTestResults>
  <MeasRefIdCode>
    <AgencyQualCode>AX</AgencyQualCode>
    <TableNum>737</TableNum>
    <CodeValue>CH</CodeValue>
    <Desc>CHEMISTRY</Desc>
  </MeasRefIdCode>
  <MeasQual>
    <AgencyQualCode>AX</AgencyQualCode>
    <TableNum>738</TableNum>
    <CodeValue>ZP</CodeValue>
    <Desc>PHOSPOROUS</Desc>
  </MeasQual>
  <MeasValue>0.0050</MeasValue>
  <UnitOrBasisForMeasCode>
    <AgencyQualCode>AX</AgencyQualCode>
    <TableNum>355</TableNum>
    <CodeValue>P1</CodeValue>
    <Desc>PERCENT</Desc>
  </UnitOrBasisForMeasCode>
</ActualTestResults>
<ActualTestResults>
  <MeasRefIdCode>
    <AgencyQualCode>AX</AgencyQualCode>
    <TableNum>737</TableNum>
    <CodeValue>CH</CodeValue>
    <Desc>CHEMISTRY</Desc>
  </MeasRefIdCode>
  <MeasQual>
    <AgencyQualCode>AX</AgencyQualCode>
    <TableNum>738</TableNum>
    <CodeValue>ZS</CodeValue>
    <Desc>SULFUR</Desc>
  </MeasQual>
  <MeasValue>0.0080</MeasValue>
  <UnitOrBasisForMeasCode>
    <AgencyQualCode>AX</AgencyQualCode>
    <TableNum>355</TableNum>
```



Example: Machine-Based Version (con't)

```
        <CodeValue>P1</CodeValue>
        <Desc>PERCENT</Desc>
    </UnitOrBasisForMeasCode>
</ActualTestResults>
<ActualTestResults>
    <MeasRefIdCode>
        <AgencyQualCode>AX</AgencyQualCode>
        <TableNum>737</TableNum>
        <CodeValue>CH</CodeValue>
        <Desc>CHEMISTRY</Desc>
    </MeasRefIdCode>
    <MeasQual>
        <AgencyQualCode>AX</AgencyQualCode>
        <TableNum>738</TableNum>
        <CodeValue>ZSI</CodeValue>
        <Desc>SILICON</Desc>
    </MeasQual>
    <MeasValue>0.100</MeasValue>
    <UnitOrBasisForMeasCode>
        <AgencyQualCode>AX</AgencyQualCode>
        <TableNum>355</TableNum>
        <CodeValue>P1</CodeValue>
        <Desc>PERCENT</Desc>
    </UnitOrBasisForMeasCode>
</ActualTestResults>
<ActualTestResults>
    <MeasRefIdCode>
        <AgencyQualCode>AX</AgencyQualCode>
        <TableNum>737</TableNum>
        <CodeValue>CH</CodeValue>
        <Desc>CHEMISTRY</Desc>
    </MeasRefIdCode>
    <MeasQual>
        <AgencyQualCode>AX</AgencyQualCode>
        <TableNum>738</TableNum>
        <CodeValue>ZCU</CodeValue>
        <Desc>COPPER</Desc>
    </MeasQual>
    <MeasValue>0.0100</MeasValue>
    <UnitOrBasisForMeasCode>
        <AgencyQualCode>AX</AgencyQualCode>
        <TableNum>355</TableNum>
        <CodeValue>P1</CodeValue>
        <Desc>PERCENT</Desc>
    </UnitOrBasisForMeasCode>
</ActualTestResults>
<ActualTestResults>
    <MeasRefIdCode>
        <AgencyQualCode>AX</AgencyQualCode>
```



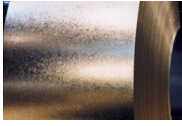
Example: Machine-Based Version (con't)

```
<TableNum>737</TableNum>
<CodeValue>CH</CodeValue>
<Desc>CHEMISTRY</Desc>
</MeasRefIdCode>
<MeasQual>
  <AgencyQualCode>AX</AgencyQualCode>
  <TableNum>738</TableNum>
  <CodeValue>ZNI</CodeValue>
  <Desc>NICKEL</Desc>
</MeasQual>
<MeasValue>0.0100</MeasValue>
<UnitOrBasisForMeasCode>
  <AgencyQualCode>AX</AgencyQualCode>
  <TableNum>355</TableNum>
  <CodeValue>P1</CodeValue>
  <Desc>PERCENT</Desc>
</UnitOrBasisForMeasCode>
</ActualTestResults>
<ActualTestResults>
  <MeasRefIdCode>
    <AgencyQualCode>AX</AgencyQualCode>
    <TableNum>737</TableNum>
    <CodeValue>CH</CodeValue>
    <Desc>CHEMISTRY</Desc>
  </MeasRefIdCode>
  <MeasQual>
    <AgencyQualCode>AX</AgencyQualCode>
    <TableNum>738</TableNum>
    <CodeValue>ZCR</CodeValue>
    <Desc>CHROMIUM</Desc>
  </MeasQual>
  <MeasValue>0.0300</MeasValue>
  <UnitOrBasisForMeasCode>
    <AgencyQualCode>AX</AgencyQualCode>
    <TableNum>355</TableNum>
    <CodeValue>P1</CodeValue>
    <Desc>PERCENT</Desc>
  </UnitOrBasisForMeasCode>
</ActualTestResults>
<ActualTestResults>
  <MeasRefIdCode>
    <AgencyQualCode>AX</AgencyQualCode>
    <TableNum>737</TableNum>
    <CodeValue>CH</CodeValue>
    <Desc>CHEMISTRY</Desc>
  </MeasRefIdCode>
  <MeasQual>
    <AgencyQualCode>AX</AgencyQualCode>
    <TableNum>738</TableNum>
```



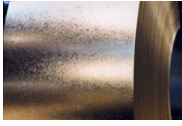
Example: Machine-Based Version (con't)

```
<CodeValue>ZMO</CodeValue>
  <Desc>MOLYBDENUM</Desc>
</MeasQual>
<MeasValue>0.0040</MeasValue>
<UnitOrBasisForMeasCode>
  <AgencyQualCode>AX</AgencyQualCode>
  <TableNum>355</TableNum>
  <CodeValue>P1</CodeValue>
  <Desc>PERCENT</Desc>
</UnitOrBasisForMeasCode>
</ActualTestResults>
<ActualTestResults>
  <MeasRefIdCode>
    <AgencyQualCode>AX</AgencyQualCode>
    <TableNum>737</TableNum>
    <CodeValue>CH</CodeValue>
    <Desc>CHEMISTRY</Desc>
  </MeasRefIdCode>
  <MeasQual>
    <AgencyQualCode>AX</AgencyQualCode>
    <TableNum>738</TableNum>
    <CodeValue>ZSN</CodeValue>
    <Desc>TIN</Desc>
  </MeasQual>
  <MeasValue>0.0070</MeasValue>
  <UnitOrBasisForMeasCode>
    <AgencyQualCode>AX</AgencyQualCode>
    <TableNum>355</TableNum>
    <CodeValue>P1</CodeValue>
    <Desc>PERCENT</Desc>
  </UnitOrBasisForMeasCode>
</ActualTestResults>
<ActualTestResults>
  <MeasRefIdCode>
    <AgencyQualCode>AX</AgencyQualCode>
    <TableNum>737</TableNum>
    <CodeValue>CH</CodeValue>
    <Desc>CHEMISTRY</Desc>
  </MeasRefIdCode>
  <MeasQual>
    <AgencyQualCode>AX</AgencyQualCode>
    <TableNum>738</TableNum>
    <CodeValue>ZAL</CodeValue>
    <Desc>ALUMINUM</Desc>
  </MeasQual>
  <MeasValue>0.0310</MeasValue>
  <UnitOrBasisForMeasCode>
    <AgencyQualCode>AX</AgencyQualCode>
    <TableNum>355</TableNum>
```



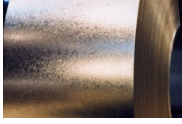
Example: Machine-Based Version (con't)

```
        <CodeValue>P1</CodeValue>
        <Desc>PERCENT</Desc>
    </UnitOrBasisForMeasCode>
</ActualTestResults>
<ActualTestResults>
    <MeasRefIdCode>
        <AgencyQualCode>AX</AgencyQualCode>
        <TableNum>737</TableNum>
        <CodeValue>CH</CodeValue>
        <Desc>CHEMISTRY</Desc>
    </MeasRefIdCode>
    <MeasQual>
        <AgencyQualCode>AX</AgencyQualCode>
        <TableNum>738</TableNum>
        <CodeValue>ZN</CodeValue>
        <Desc>NITROGEN</Desc>
    </MeasQual>
    <MeasValue>0.0050</MeasValue>
    <UnitOrBasisForMeasCode>
        <AgencyQualCode>AX</AgencyQualCode>
        <TableNum>355</TableNum>
        <CodeValue>P1</CodeValue>
        <Desc>PERCENT</Desc>
    </UnitOrBasisForMeasCode>
</ActualTestResults>
<ActualTestResults>
    <MeasRefIdCode>
        <AgencyQualCode>AX</AgencyQualCode>
        <TableNum>737</TableNum>
        <CodeValue>CH</CodeValue>
        <Desc>CHEMISTRY</Desc>
    </MeasRefIdCode>
    <MeasQual>
        <AgencyQualCode>AX</AgencyQualCode>
        <TableNum>738</TableNum>
        <CodeValue>ZV</CodeValue>
        <Desc>VANADIUM</Desc>
    </MeasQual>
    <MeasValue>0.1470</MeasValue>
    <UnitOrBasisForMeasCode>
        <AgencyQualCode>AX</AgencyQualCode>
        <TableNum>355</TableNum>
        <CodeValue>P1</CodeValue>
        <Desc>PERCENT</Desc>
    </UnitOrBasisForMeasCode>
</ActualTestResults>
<ActualTestResults>
    <MeasRefIdCode>
        <AgencyQualCode>AX</AgencyQualCode>
```



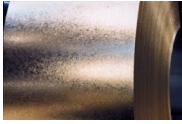
Example: Machine-Based Version (con't)

```
<TableNum>737</TableNum>
<CodeValue>CH</CodeValue>
<Desc>CHEMISTRY</Desc>
</MeasRefIdCode>
<MeasQual>
  <AgencyQualCode>AX</AgencyQualCode>
  <TableNum>738</TableNum>
  <CodeValue>ZB</CodeValue>
  <Desc>BORON</Desc>
</MeasQual>
<MeasValue>0.0010</MeasValue>
<UnitOrBasisForMeasCode>
  <AgencyQualCode>AX</AgencyQualCode>
  <TableNum>355</TableNum>
  <CodeValue>P1</CodeValue>
  <Desc>PERCENT</Desc>
</UnitOrBasisForMeasCode>
</ActualTestResults>
<ActualTestResults>
  <MeasRefIdCode>
    <AgencyQualCode>AX</AgencyQualCode>
    <TableNum>737</TableNum>
    <CodeValue>CH</CodeValue>
    <Desc>CHEMISTRY</Desc>
  </MeasRefIdCode>
  <MeasQual>
    <AgencyQualCode>AX</AgencyQualCode>
    <TableNum>738</TableNum>
    <CodeValue>ZTI</CodeValue>
    <Desc>TITANIUM</Desc>
  </MeasQual>
  <MeasValue>0.0640</MeasValue>
  <UnitOrBasisForMeasCode>
    <AgencyQualCode>AX</AgencyQualCode>
    <TableNum>355</TableNum>
    <CodeValue>P1</CodeValue>
    <Desc>PERCENT</Desc>
  </UnitOrBasisForMeasCode>
</ActualTestResults>
<ActualTestResults>
  <MeasRefIdCode>
    <AgencyQualCode>AX</AgencyQualCode>
    <TableNum>737</TableNum>
    <CodeValue>CH</CodeValue>
    <Desc>CHEMISTRY</Desc>
  </MeasRefIdCode>
  <MeasQual>
    <AgencyQualCode>AX</AgencyQualCode>
    <TableNum>738</TableNum>
```



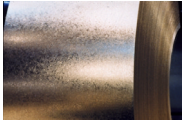
Example: Machine-Based Version (con't)

```
<CodeValue>ZCB</CodeValue>
  <Desc>COLUMBIUM</Desc>
</MeasQual>
<MeasValue>0.0010</MeasValue>
<UnitOrBasisForMeasCode>
  <AgencyQualCode>AX</AgencyQualCode>
  <TableNum>355</TableNum>
  <CodeValue>P1</CodeValue>
  <Desc>PERCENT</Desc>
</UnitOrBasisForMeasCode>
</ActualTestResults>
<ActualTestResults>
  <MeasRefIdCode>
    <AgencyQualCode>AX</AgencyQualCode>
    <TableNum>737</TableNum>
    <CodeValue>CH</CodeValue>
    <Desc>CHEMISTRY</Desc>
  </MeasRefIdCode>
  <MeasQual>
    <AgencyQualCode>AX</AgencyQualCode>
    <TableNum>738</TableNum>
    <CodeValue>ZZR</CodeValue>
    <Desc>ZIRCONIUM</Desc>
  </MeasQual>
  <MeasValue>0.0020</MeasValue>
  <UnitOrBasisForMeasCode>
    <AgencyQualCode>AX</AgencyQualCode>
    <TableNum>355</TableNum>
    <CodeValue>P1</CodeValue>
    <Desc>PERCENT</Desc>
  </UnitOrBasisForMeasCode>
</ActualTestResults>
<ActualTestResults>
  <MeasRefIdCode>
    <AgencyQualCode>AX</AgencyQualCode>
    <TableNum>737</TableNum>
    <CodeValue>CH</CodeValue>
    <Desc>CHEMISTRY</Desc>
  </MeasRefIdCode>
  <MeasQual>
    <AgencyQualCode>AX</AgencyQualCode>
    <TableNum>738</TableNum>
    <CodeValue>ZCA</CodeValue>
    <Desc>CALCIUM</Desc>
  </MeasQual>
  <MeasValue>0.0010</MeasValue>
  <UnitOrBasisForMeasCode>
    <AgencyQualCode>AX</AgencyQualCode>
    <TableNum>355</TableNum>
```



Example: Machine-Based Version (con't)

```
        <CodeValue>P1</CodeValue>
        <Desc>PERCENT</Desc>
    </UnitOrBasisForMeasCode>
</ActualTestResults>
</TestInfo>
</MatlInfoLoop>
</ManufacturingOrderLoop>
</Detail>
</DataArea>
</TransactionLevel>
</ShipNotice>
```

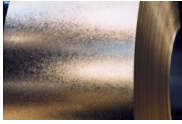


Example: Text-Based Version

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE ShipNotice SYSTEM "ShipNotice.dtd">
<ShipNotice>
  <Interchange/>
  <TransactionLevel>
    <Control/>
    <DataArea>
      <Header>
        <ActionCode>
          <Desc>Send</Desc>
        </ActionCode>
        <ReportTransmissionCode>
          <Desc>Electronic Mail</Desc>
        </ReportTransmissionCode>
        <Partner PartnerType="SoldTo">
          <EntityIdCode/>
          <Name>NEW STEEL CORPORATION</Name>
          <Addr1>123 EAST MAIN STREET</Addr1>
          <CityName>ANYTOWN</CityName>
          <PostalCode>12345</PostalCode>
          <CountryCode>
            <Desc>USA</Desc>
          </CountryCode>
        </Partner>
        <Partner PartnerType="ShipTo">
          <EntityIdCode/>
          <Name>NEW STEEL PROCESSOR</Name>
          <Addr1>C/O NEW STEEL CORP</Addr1>
          <Addr2>987 WEST MAIN STREET</Addr2>
          <CityName>ANYTOWN</CityName>
          <PostalCode>12346</PostalCode>
          <CountryCode>
            <Desc>USA</Desc>
          </CountryCode>
        </Partner>
        <Partner PartnerType="Other">
          <EntityIdCode>
            <Desc>REMIT TO</Desc>
          </EntityIdCode>
          <Name>123456789</Name>
          <Addr1>PO BOX 123456</Addr1>
          <CityName>NEW YORK</CityName>
          <StateOrProvinceCode>
            <Desc>NEW YORK</Desc>
          </StateOrProvinceCode>
          <PostalCode>10001-001</PostalCode>
          <CountryCode>
            <Desc>USA</Desc>
          </CountryCode>
        </Partner>
      </Header>
    </DataArea>
  </TransactionLevel>
</Interchange>
</ShipNotice>
```

Partner Sold To

Partner Ship To



Ship Notice

Example: Text-Based Version (con't)

```
    </CountryCode>
  </Partner>
</Header>
<Detail>
  <ShipLoop>
    <ShipInfo>
      <ShipId>123-234567</ShipId>
      <TimeStamp TimeStampType="Shipment">
        <Date>2001.01.01</Date>
      </TimeStamp>
      <ShipMode>
        <CodeValue>ML</CodeValue>
      </ShipMode>
      <ShipMethodOfPayment>
        <Desc>PREPAID PRODUCER (MILL)</Desc>
      </ShipMethodOfPayment>
    </ShipInfo>
    <CarrierRouting>
      <VehicleIdNum>000000</VehicleIdNum>
    </CarrierRouting>
  </ShipLoop>
  <ManufacturingOrderLoop>
    <ManufacturingOrder>
      <MillOrderNum>12345678</MillOrderNum>
    </ManufacturingOrder>
    <CustomerOrderLoop>
      <CustomerOrder>
        <PurchaseOrderNum
PurchaseOrderNumType="CustomerOrderNum">TSG6548/5108479</PurchaseOrderNum>
        </CustomerOrder>
      </CustomerOrderLoop>
      <ProdDesc>
        <Spec>GALVANIZE CARBON DDS AS COATED C .08 MAX MN .50 MAX P .02
MAX S .03 MAX CU .20 MAX NI .20 MAX CR .15 MAX MO .06 MAX AL .01 MIN V .008 MAX
UNEXPOSED PRIME SIDE OUT G60/60 MIN SPANGLE NO CHEM TREAT OIL LIGHT PICKLE WELDS
OK YS 21.8 KSI/34.8 KSI YS 150 MPA/240 MPS TS MIN 39.2 KSI TS MIN 270 MPA EL MIN 36 5 EL
DIST 2 INCHES CUSTOMER INFO ONLY TEST SEE INSP CAPTION PT#57891</Spec>
      </ProdDesc>
    </CustomerOrderLoop>
    <MatlInfoLoop>
      <MatlInfo>
        <MatlId MatlIdType="Producer">X1234567890</MatlId>
        <MatlId MatlIdType="Producer">X1234567890</MatlId>
        <HeatNum>F20453</HeatNum>
      </MatlInfo>
      <ActualDimensions>
        <Thk>
          <MeasValue>.0473</MeasValue>
        </Thk>
        <Width>
```

The diagram consists of three callout boxes with arrows pointing to specific parts of the XML code. The first callout box, labeled 'Ship Info', points to the <ShipInfo> element. The second callout box, labeled 'SPEC', points to the <Spec> element within the <ProdDesc> element. The third callout box, labeled 'Dimensions', points to the <Thk> element within the <ActualDimensions> element.



<MeasValue>40.270</MeasValue>

Example: Text-Based Version (con't)

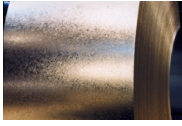
```
<UnitOrBasisForMeasCode>
  <Desc>INCH</Desc>
</UnitOrBasisForMeasCode>
</Width>
<Weight>
  <MeasValue>37680</MeasValue>
  <UnitOrBasisForMeasCode>
    <Desc>ACTUAL POUNDS</Desc>
  </UnitOrBasisForMeasCode>
</Weight>
<Weight>
  <MeasValue>36373</MeasValue>
  <UnitOrBasisForMeasCode>
    <Desc>THEORETICAL POUNDS</Desc>
  </UnitOrBasisForMeasCode>
</Weight>
<InsideDiam>
  <MeasValue>24</MeasValue>
  <UnitOrBasisForMeasCode>
    <Desc>INCH</Desc>
  </UnitOrBasisForMeasCode>
</InsideDiam>
<OutsideDiam>
  <MeasValue>71.01</MeasValue>
  <UnitOrBasisForMeasCode>
    <Desc>INCH</Desc>
  </UnitOrBasisForMeasCode>
  <RangeMax>71.01</RangeMax>
</OutsideDiam>
</ActualDimensions>
<TestInfo>
  <ActualTestResults>
    <MeasRefIdCode>
      <Desc>CHEMISTRY</Desc>
    </MeasRefIdCode>
    <MeasQual>
      <Desc>CARBON</Desc>
    </MeasQual>
    <MeasValue>0.0020</MeasValue>
    <UnitOrBasisForMeasCode>
      <Desc>PERCENT</Desc>
    </UnitOrBasisForMeasCode>
  </ActualTestResults>
  <ActualTestResults>
    <MeasRefIdCode>
      <Desc>CHEMISTRY</Desc>
```

Test
Info



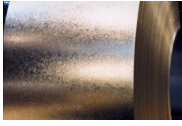
Example: Text-Based Version (con't)

```
</MeasRefIdCode>
  <MeasQual>
    <Desc>MANGANESE</Desc>
  </MeasQual>
  <MeasValue>0.1470</MeasValue>
  <UnitOrBasisForMeasCode>
    <Desc>PERCENT</Desc>
  </UnitOrBasisForMeasCode>
</ActualTestResults>
<ActualTestResults>
  <MeasRefIdCode>
    <Desc>CHEMISTRY</Desc>
  </MeasRefIdCode>
  <MeasQual>
    <Desc>PHOSPOROUS</Desc>
  </MeasQual>
  <MeasValue>0.0050</MeasValue>
  <UnitOrBasisForMeasCode>
    <Desc>PERCENT</Desc>
  </UnitOrBasisForMeasCode>
</ActualTestResults>
<ActualTestResults>
  <MeasRefIdCode>
    <Desc>CHEMISTRY</Desc>
  </MeasRefIdCode>
  <MeasQual>
    <Desc>SULFUR</Desc>
  </MeasQual>
  <MeasValue>0.0080</MeasValue>
  <UnitOrBasisForMeasCode>
    <Desc>PERCENT</Desc>
  </UnitOrBasisForMeasCode>
</ActualTestResults>
<ActualTestResults>
  <MeasRefIdCode>
    <Desc>CHEMISTRY</Desc>
  </MeasRefIdCode>
  <MeasQual>
    <Desc>SILICON</Desc>
  </MeasQual>
  <MeasValue>0.100</MeasValue>
  <UnitOrBasisForMeasCode>
    <Desc>PERCENT</Desc>
  </UnitOrBasisForMeasCode>
</ActualTestResults>
<ActualTestResults>
  <MeasRefIdCode>
    <Desc>CHEMISTRY</Desc>
  </MeasRefIdCode>
```



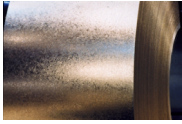
Example: Text-Based Version (con't)

```
<MeasQual>
  <Desc>COPPER</Desc>
</MeasQual>
<MeasValue>0.0100</MeasValue>
<UnitOrBasisForMeasCode>
  <Desc>PERCENT</Desc>
</UnitOrBasisForMeasCode>
</ActualTestResults>
<ActualTestResults>
  <MeasRefIdCode>
    <Desc>CHEMISTRY</Desc>
  </MeasRefIdCode>
  <MeasQual>
    <Desc>NICKEL</Desc>
  </MeasQual>
  <MeasValue>0.0100</MeasValue>
  <UnitOrBasisForMeasCode>
    <Desc>PERCENT</Desc>
  </UnitOrBasisForMeasCode>
</ActualTestResults>
<ActualTestResults>
  <MeasRefIdCode>
    <Desc>CHEMISTRY</Desc>
  </MeasRefIdCode>
  <MeasQual>
    <Desc>CHROMIUM</Desc>
  </MeasQual>
  <MeasValue>0.0300</MeasValue>
  <UnitOrBasisForMeasCode>
    <Desc>PERCENT</Desc>
  </UnitOrBasisForMeasCode>
</ActualTestResults>
<ActualTestResults>
  <MeasRefIdCode>
    <Desc>CHEMISTRY</Desc>
  </MeasRefIdCode>
  <MeasQual>
    <Desc>MOLYBDENUM</Desc>
  </MeasQual>
  <MeasValue>0.0040</MeasValue>
  <UnitOrBasisForMeasCode>
    <Desc>PERCENT</Desc>
  </UnitOrBasisForMeasCode>
</ActualTestResults>
<ActualTestResults>
  <MeasRefIdCode>
    <Desc>CHEMISTRY</Desc>
  </MeasRefIdCode>
  <MeasQual>
```



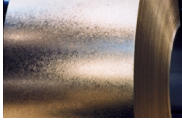
Example: Text-Based Version (con't)

```
        <Desc>TIN</Desc>
      </MeasQual>
    <MeasValue>0.0070</MeasValue>
    <UnitOrBasisForMeasCode>
      <Desc>PERCENT</Desc>
    </UnitOrBasisForMeasCode>
  </ActualTestResults>
  <ActualTestResults>
    <MeasRefIdCode>
      <Desc>CHEMISTRY</Desc>
    </MeasRefIdCode>
    <MeasQual>
      <Desc>ALUMINUM</Desc>
    </MeasQual>
    <MeasValue>0.0310</MeasValue>
    <UnitOrBasisForMeasCode>
      <Desc>PERCENT</Desc>
    </UnitOrBasisForMeasCode>
  </ActualTestResults>
  <ActualTestResults>
    <MeasRefIdCode>
      <Desc>CHEMISTRY</Desc>
    </MeasRefIdCode>
    <MeasQual>
      <Desc>NITROGEN</Desc>
    </MeasQual>
    <MeasValue>0.0050</MeasValue>
    <UnitOrBasisForMeasCode>
      <Desc>PERCENT</Desc>
    </UnitOrBasisForMeasCode>
  </ActualTestResults>
  <ActualTestResults>
    <MeasRefIdCode>
      <Desc>CHEMISTRY</Desc>
    </MeasRefIdCode>
    <MeasQual>
      <Desc>VANADIUM</Desc>
    </MeasQual>
    <MeasValue>0.1470</MeasValue>
    <UnitOrBasisForMeasCode>
      <Desc>PERCENT</Desc>
    </UnitOrBasisForMeasCode>
  </ActualTestResults>
  <ActualTestResults>
    <MeasRefIdCode>
      <Desc>CHEMISTRY</Desc>
    </MeasRefIdCode>
    <MeasQual>
      <Desc>BORON</Desc>
```



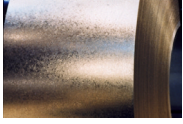
Example: Text-Based Version (con't)

```
</MeasQual>
<MeasValue>0.0010</MeasValue>
<UnitOrBasisForMeasCode>
<Desc>PERCENT</Desc>
</UnitOrBasisForMeasCode>
</ActualTestResults>
<ActualTestResults>
<MeasRefIdCode>
<Desc>CHEMISTRY</Desc>
</MeasRefIdCode>
<MeasQual>
<Desc>TITANIUM</Desc>
</MeasQual>
<MeasValue>0.0640</MeasValue>
<UnitOrBasisForMeasCode>
<Desc>PERCENT</Desc>
</UnitOrBasisForMeasCode>
</ActualTestResults>
<ActualTestResults>
<MeasRefIdCode>
<Desc>CHEMISTRY</Desc>
</MeasRefIdCode>
<MeasQual>
<Desc>COLUMBIUM</Desc>
</MeasQual>
<MeasValue>0.0010</MeasValue>
<UnitOrBasisForMeasCode>
<Desc>PERCENT</Desc>
</UnitOrBasisForMeasCode>
</ActualTestResults>
<ActualTestResults>
<MeasRefIdCode>
<Desc>CHEMISTRY</Desc>
</MeasRefIdCode>
<MeasQual>
<Desc>ZIRCONIUM</Desc>
</MeasQual>
<MeasValue>0.0020</MeasValue>
<UnitOrBasisForMeasCode>
<Desc>PERCENT</Desc>
</UnitOrBasisForMeasCode>
</ActualTestResults>
<ActualTestResults>
<MeasRefIdCode>
<Desc>CHEMISTRY</Desc>
</MeasRefIdCode>
<MeasQual>
<Desc>CALCIUM</Desc>
</MeasQual>
```



Example: Text-Based Version (con't)

```
        <MeasValue>0.0010</MeasValue>
        <UnitOrBasisForMeasCode>
          <Desc>PERCENT</Desc>
        </UnitOrBasisForMeasCode>
      </ActualTestResults>
    </TestInfo>
  </MatlInfoLoop>
</ManufacturingOrderLoop>
</Detail>
</DataArea>
</TransactionLevel>
</ShipNotice>
```



Appendices