



## **NAMM 2009.2 B2B XML Implementation Guide**

**Revision 1.1a – December 8, 2009**

## Executive Overview

In today's challenging and uncertain economy, finding efficiencies and cost savings in your business processes is imperative. For the past two years, experts from across all channels of the Music Products Industry have partnered together, designing a tool to enhance your business practices.

*Ad-hoc Technology Committee Mission Statement:*

**To develop and promote best practice standards for electronic commerce that improve efficiency between trading partners in the global music products industry.**

Sharing a "common language" aids in communication, understanding and collaboration between business trading partners. XML (eXtensible Markup Language) is the common electronic language in Business to Business (B2B) communication today. Using this common language, business trading partners share information through consistent data exchange, improving efficiency and accuracy while reducing operational costs and enhancing all levels of customer service. XML facilitates the ability to share information and data using a common data format throughout the supply chain.

- Use across all computer platforms
- Integrate with a wide range of accounting software applications
- Does not require specialized resources to implement

The NAMM B2B XML standard is the most widely used standard in the Global Music Products Industry. This document details the information necessary for trading partners to begin to implement and automate transactions. NAMM encourages you and all your business partners to adopt the use of these documents.

NAMM supports the evolution of these standards. Go to [www.namm.org/initiatives/b2b](http://www.namm.org/initiatives/b2b) to learn more about how you can join today. Discover what other resources are available and hear how others from within the industry have benefited from the implementation and use of the NAMM XML standards. Start today!

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# **Introduction**

## ***Abstract***

This document is intended as a conceptual and practical guide to NAMM's 2009.2 Business-to-Business (B2B) XML data exchange standard, and specifically the XML files defined by the standard.

## ***Audience***

The target audience for this document is the technical team in a musical products merchandising company whose responsibility includes internal software management, configuration, and integration, especially as relates to interfacing with external data sources. These companies may supply musical products, consume them, or both.

## ***Overview***

In the course of providing musical products from one company to another, certain data must be exchanged between suppliers and buyers. While the specific software systems of each company will necessarily differ in platform, connectivity, and functionality, it is highly advantageous to both parties that the structure of the data exchanged be consistent from transaction to transaction. It is this need for structural consistency that is addressed and provided by the NAMM B2B standard.

# Implementation

## Transaction Definition

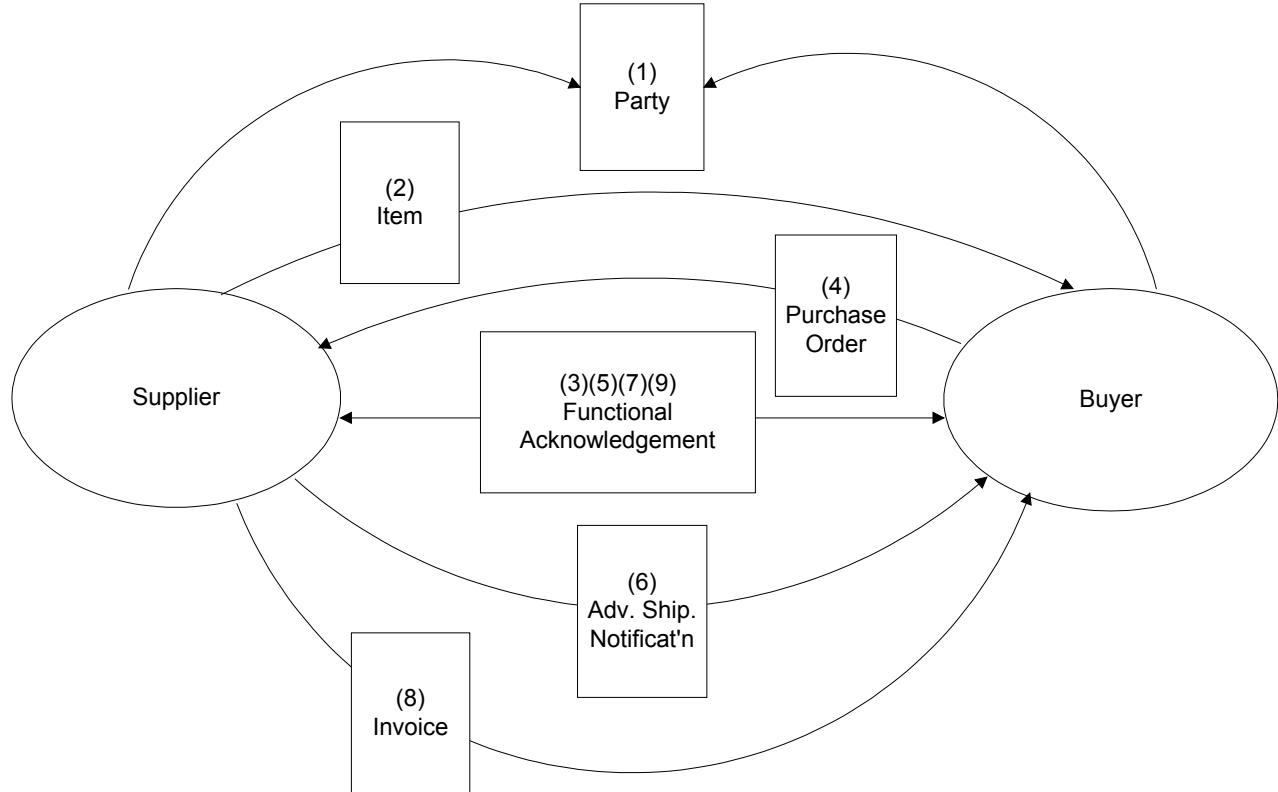
The NAMM 2009.2 B2B standard comprises a set of XML files containing data in a predefined, consistent format. Each XML file is designed to precisely define the data required to complete one common transaction between parties, e.g., Purchase Order, Invoice, and so on. These documents are described in “XML Files”, below.

## Transaction Sequence

A chronological sequence of events and their associated documents might be as follows.

1. Both supplier and buyer complete and release mutually-available identification information (**Party** document).
2. The supplier sends a catalog of available products to the buyer (**Item** document).
3. The buyer acknowledges receipt of the **Item** (**Functional Acknowledgement** document).
4. The buyer decides to purchase items from the catalog and sends a request for them to the supplier (**Purchase Order** document).
5. The supplier acknowledges receipt of the order (**Functional Acknowledgement** document).
6. The supplier makes one or more product shipments to the buyer and sends detailed information for each shipment (**Advanced Shipment Notification** document).
7. The buyer acknowledges receipt of the **Advanced Shipment Notification** (**Functional Acknowledgement** document).
8. The supplier sends a request for payment to the buyer (**Invoice** document).
9. The buyer acknowledges receipt of the **Invoice** (**Functional Acknowledgement** document).

Below is a diagram of this process referencing the step/document numbers above.



# **XML Files**

## ***Usage Note***

Following are descriptions and discussions of the XML documents currently defined by the NAMM 2009.2 B2B standard. Note that, as with any XML implementation, these files merely define the structure of the data and do not require nor support any specific processing agents (i.e., application software). The responsibility for creating, validating, transmitting, receiving, and parsing the files and their content therefore rests solely with the business entities (suppliers and buyers) using them. To facilitate validation, each XML document has its own XSD schema; see “XML Schemas”, below.

## ***Party***

The Party document, **party.xml**, contains general information about the parties involved in the B2B transactions that the parties wish to share with each other. Each party, also called a trading partner, creates a Party document..

The Party document contains public identifying information about one trading partner. However, for added flexibility, multiple trading locations for the partner may be specified in the same document. These locations might be such things as different branch offices, product warehouses, or shipping destinations. Each party and each location includes a unique ID, which may be in GLN (Global Location Number) or NAMM format, plus the partner entity’s name, address, phone, email, and other contact information.

## ***Item***

The Item document, **item.xml**, essentially contains a catalog of items available for sale. The supplier creates this document and provides it to prospective buyers.

The Item document is deliberately “flat”, structuring the salable items in a simple one-level hierarchy. Each item has some 60-70 possible descriptive characteristics, most of which are optional, but which by their sheer numbers provide ease of description for virtually any product, including packaging, origin, and warranty information.

## ***Purchase Order***

The Purchase Order document, **po.xml**, is the only transaction document that originates at the buyer, and contains a list of items the buyer has selected for purchase from the supplier.

The Purchase Order document first provides basic information about the proposed sale such as buyer, billing, and supplier data. It then provides overall sale specifics such as terms and shipping instructions. Finally, it provides a shipping location and a list of ordered items.

## ***Functional Acknowledgement***

The Functional Acknowledgement document, **funack.xml**, is a simple notification from party to party acknowledging the receipt of a transactional document such as an item document, purchase order, advanced shipment notice, or invoice. It may also provide information indicating the status of the transactional document.

## ***Advanced Shipping Notice***

The Advanced Shipping Notice document, **asn.xml**, contains detailed information about one or more orders in progress from supplier to buyer. It may be requested via the Purchase Order document, and provides

specific full and/or partial order shipment details, enabling the buyer to reconcile items ordered with those actually received.

### ***Invoice***

The Invoice document, **invoice.xml**, is a supplier's request for payment from the buyer. It contains information about the supplier, payee, and buyer, as well as invoice terms and detailed information about the referenced purchase, down to the individual items.

# XML Tag Reference

## Coding Note

Below are tag-by-tag listings of each XML document in the NAMM B2B standard. Each tag is followed by a brief description and a flag indicating whether the tag is required in the particular document. Nested tags are indented to indicate the hierarchical structure of the documents.

Complex (parent) elements are shown here as separate start and end tags (e.g., <Location> ... </Location>), while simple (child) elements are shown as “empty” tags (e.g., <Name/>) for improved readability in this document. These tags would of course be coded in live documents with start tags, data, and end tags (e.g. <Name>Ladron Corporation</Name>).

Also note that most of the XML tags used in the files are mixed-case, as in <PartyIdType>; this coding technique is used by design to improve human readability. However, as XML syntax is case-sensitive, users must take great care to account for proper tag case when creating and processing these files within their own editors, applications, and systems.

## Party – party.xml

Tag	Description	Req
<?xml version="1.0" encoding="UTF-8"?>	XML declaration	X
<NAMM_PARTY version="2009.1">	File-level Start tag	X
<RevisionDate/>	Revision date	X
<TradingPartner>	Top-level Start tag	X
<PartyId/>	GLN/NAMM partner ID	X
<PartyIdType/>	ID type	X
<Name/>	Partner company name	X
<DBA/>	Partner Doing Business As name	
<URL/>	Partner company website	
<Locations>	Start tag	X
<Location>	Start tag	X
<PartyId/>	GLN/NAMM location ID	X
<PartyIdType/>	ID type designation	X
<Description/>	Partner location description	
<Name/>	Partner location name	
<DBA/>	Location Doing Business As name	
<Address>	Start tag	X
<Attn/>	Location contact person	
<Address1/>	Location address line 1	
<Address2/>	Location address line 2	
<Address3/>	Location address line 3	
<City/>	Location city	
<State/>	Location state	
<PostalCode/>	Location zip/postal code	
<Country/>	Location country	
<CountryCode/>	Location country code	
</Address>	End tag	X
<Phone/>	Location phone number	
<Fax/>	Location fax number	
<Email/>	Location email address	
<StartDate/>	Address valid as of date	
<EndDate/>	Address invalid as of date	

</Location>	End tag	X
</Locations>	End tag	X
</TradingPartner>	End tag	X
</NAMM_PARTY>	End tag	X

## Item – Item.xml

Tag	Description	Req
<?xml version="1.0" encoding="UTF-8"?>	XML declaration	X
<NAMM_ITEM version="2009.1">	File-level Start tag	X
<Id/>	Document ID	X
<Timestamp/>	Date/time stamp for this document	X
<SupplierId/>	GLN/NAMM partner ID	X
<Items>	Start tag	X
<Item>	Start tag	X
<SupplierItemId/>	Supplier's product identifier	X
<SupplierModel/>	Supplier's model identifier	
<SupplierItemDesc>	Supplier's item description	X
<ItemDescLong/>	Long item description	
<RetailValue/>	Retail value	
<UCValue/>	Unit cost value	X
<CountryOrigin/>	Country of origin	
<BrandName/>	Brand name	X
<Length/>	Item length	
<Width/>	Item width	
<Height/>	Item height	
<DimUOM/>	Dimension unit of measure (1)	
<Weight/>	Item weight	
<WeightUOM/>	Weight unit of measure (1)	
<BarCodeId/>	Digital barcode representation	X
<BarCodeType>	Barcode type	X
<CLength/>	Carton length	
<CWidth/>	Carton width	
<CHeight/>	Carton height	
<CWeight/>	Carton weight	
<CDimUOM/>	Carton dimension unit of measure (1)	
<CWeightUOM/>	Carton weight unit of measure (1)	
<CUOM/>	Carton unit of measure (1)	
<CQtyPerUOM/>	Carton quantity per unit of measure	
<ICBarCodeId/>	Inner carton digital barcode representation	
<ICBarCodeType/>	Inner carton barcode description	
<ICLength/>	Inner carton length	
<ICWidth/>	Inner carton width	
<ICHeight/>	Inner carton height	
<ICWeight/>	Inner carton weight	
<ICDimUOM/>	Inner carton dimension unit of measure (1)	
<ICWeightUOM/>	Inner carton weight unit of measure (1)	
<ICUOM/>	Inner carton unit of measure	
<ICQtyPerUOM/>	Inner carton quantity per unit of measure	

<MCBarcodeId/>	Master carton digital barcode representation	
<MCBarcodeType/>	Master carton barcode description	
<MCLength/>	Master carton length	
<MCWidth/>	Master carton width	
<MCHeight/>	Master carton height	
<MCWeight/>	Master carton weight	
<MCDimUOM/>	Master carton dimension unit of measure (1)	
<MCWeightUOM/>	Master carton weight unit of measure (1)	
<MCUOM/>	Master carton unit of measure (1)	
<MCQtyPerUOM/>	Master carton quantity per unit of measure	
<Kit/>	Item SKU made up of other SKUs	
<Serialized/>	Item has a serial number	
<Color/>	Item color	
<Size/>	Item size	
<AnnounceDate/>	Item announcement date	
<AvailableDate/>	Item availability date	
<UnAvailDate/>	Item unavailability date	
<EndOfProductionDate/>	Item no longer produced after date	
<ReplacementID/>	The SupplierItemID that replaces this item	
<WarrantyPartTerm/>	Parts warranty term (length)	
<WarrantyPartUOM/>	Parts warranty unit of measure (1)	
<WarrantyLabTerm/>	Labor warranty term (length)	
<WarrantyLabUOM/>	Labor warranty unit of measure (1)	
<Category/>	Supplier item category	
<Images/>	Item image name	
<ImageURL/>	Online item images URL	
<ProductURL/>	Online item URL	
<Level/>	Grade level for books	
<ISBN/>	International Standard Book Number	
<Publisher/>	Book publisher name	
<Instrumentation/>	Musical instrumentation	
<Arranger/>	Musical arranger	
<Artist/>	Musical artist	
<Composer/>	Musical composer	
<PageCount/>	Number of pages	
<TOC>	Start tag	
<Content/>	TOC line item	
</TOC>	End tag	
</Item>	End tag	X
</Items>	End tag	X
</NAMM_ITEM>	End tag	X

(1) See "Codes Tables", below.

## Purchase Order – po.xml

Tag	Description	Req
<?xml version="1.0" encoding="UTF-8" ?>	XML declaration	X
<NAMM_PO version="2009.2">	File-level Start tag	X

<Id/>	Document ID	X
<Timestamp/>	Date/time stamp for this document	X
<POHeader>	Start tag	X
<SoldTo>	Start tag	X
<PartyId/>	Buyer GLN/NAMM ID	X
<Name/>	Buyer company name	
<Address>	Start tag	
<Attn/>	Buyer contact person	
<Address1/>	Buyer address line 1	
<Address2/>	Buyer address line 2	
<Address3/>	Buyer address line 3	
<City/>	Buyer city	
<State/>	Buyer state	
<PostalCode/>	Buyer postal code	
<Country/>	Buyer country	
<CountryCode/>	Buyer country code	
</Address>	End tag	
</SoldTo>	End tag	X
<BillTo>	Start tag	X
<PartyId/>	Payor GLN/NAMM ID	X
<Name/>	Payor company name	
<Address>	Start tag	
<Attn/>	Payor contact person	
<Address1/>	Payor address line 1	
<Address2/>	Payor address line 2	
<Address3/>	Payor address line 3	
<City/>	Payor city	
<State/>	Payor state	
<PostalCode/>	Payor postal code	
<Country/>	Payor country	
<CountryCode/>	Payor country code	
</Address>	End tag	
</BillTo>	End tag	X
<BuyerOrderId/>	Buyer purchase order number/ID	X
<Supplier>	Start tag	X
<PartyId/>	Supplier GLN/NAMM ID	X
<Name/>	Supplier company name	
<Address>	Start tag	
<Attn/>	Supplier contact person	
<Address1/>	Supplier address line 1	
<Address2/>	Supplier address line 2	
<Address3/>	Supplier address line 3	
<City/>	Supplier city	
<State/>	Supplier state	
<PostalCode/>	Supplier postal code	
<Country/>	Supplier country	
<CountryCode/>	Supplier country code	
</Address>	End tag	
</Supplier>	End tag	X
<TermsCode/>	Terms code (1)	X
<TermsDays/>	Number of days for payment	
<TermsDate/>	Date payment is due	
<TermsPercent/>	Percentage terms	

<TermsPercentDays/>	Number of days for percentage terms	
<ShipInstructions/>	Shipping instructions	
<TranspCode/>	Transport method code (1)	X
<TranspDesc/>	Transport description (1)	
<TranspCarrier/>	Transport carrier name	
<TranspTime/>	Expected transport time	
<TranspTerms/>	Transport terms	
<IncoTermsCode/>	International terms code (1)	
<IncoTermsDesc/>	International terms description (1)	
<POComments/>	Buyer comments	
<DateOrdered/>	Order date	X
<DateBeginShip/>	Date to begin shipment	
<DateEndShip/>	Date to end shipment	
<DateCancel/>	Date to cancel order if not shipped	
<Backorder/>	Allow backorder	X
<BuyerName/>	Individual buyer name	
<PORevisionNumber/>	Purchase Order revision number	X
<POStatusIndicator/>	New or Updated PO	X
<ASNRequirement/>	Require ASN	X
<POFileType/>	Pre-accepted or Accepted PO	X
<ShipTo>	Start tag	X
<PartyId/>	Receiver GLN/NAMM ID	X
<Name/>	Receiver company name	
<Address>	Start tag	
<Attn/>	Receiver contact person	
<Address1/>	Receiver address line 1	
<Address2/>	Receiver address line 2	
<Address3/>	Receiver address line 3	
<City/>	Receiver city	
<State/>	Receiver state	
<PostalCode/>	Receiver postal code	
<Country/>	Receiver country	
<CountryCode/>	Receiver country code	
</Address>	End tag	
</ShipTo>	End tag	X
</POHeader>	End tag	X
<PODetail>	Start tag	X
<Items>	Start tag	X
<Item>	Start tag	X
<POLineNbr/>	Purchase Order line number	X
<BuyerItemId/>	Buyer item ID	X
<BuyerItemDesc/>	Buyer item description	
<Qty/>	Quantity	X
<QtyUOM/>	Quantity unit of measure (1)	X
<UCValue/>	Unit cost value	X
<UCCurrencyCode/>	Unit cost currency code	X
<RetailValue/>	Retail value	
<RetailCurrencyCode/>	Retail currency code	
<ICQtyPerUOM/>	Inner Carton quantity per Unit of Measure	
<ICUOM/>	Inner Carton Unit of Measure	
<MCQtyPerUOM/>	Master Carton quantity per Unit of Measure	
<MCUOM/>	Master Carton Unit of Measure	

<SupplierItemId/>	Supplier item ID	
<BarCodeId/>	Digital barcode representation	X
<BarCodeType/>	Barcode description	X
</Item>	End tag	X
</Items>	End tag	X
</PODetail>	End tag	X
</NAMM_PO>	End tag	X

(1) See "Codes Tables", below.

### **Functional Acknowledgement – funack.xml**

Tag	Description	Req
<?xml version="1.0" encoding="UTF-8" ?>	XML declaration	X
<NAMM_FunctionalAcknowledgement version="2009.1">	File-level Start tag	X
<Timestamp/>	Date/time stamp for this document	X
<Id/>	Document ID	X
<Supplier>	Start tag	X
<PartyId/>	Supplier GLN/NAMM ID	X
</Supplier>	End tag	X
<SoldTo>	Start tag	X
<PartyId/>	Buyer GLN/NAMM ID	X
</SoldTo>	End tag	X
<StatusCode/>	Status indicator code (1)	X
<StatusMessage/>	Status message/description (1)	X
</NAMM_FunctionalAcknowledgement>	End tag	X

(1) See "Codes Tables", below.

### **Advanced Shipping Notice – asn.xml**

Tag	Description	Req
<?xml version="1.0" encoding="UTF-8" ?>	XML declaration	X
<NAMM ASN version="2009.1">	File-level Start tag	X
<Id/>	Document ID	X
<Timestamp/>	Date/time stamp for this document	X
<ShipmentHeader>	Start tag	X
<ShipmentType/>	Shipment type description	
<ShipmentId/>	Supplier ASN document number	X
<Shipped/>	Shipment date	
<EstDeliver/>	Estimated delivery date	
<Supplier>	Start tag	X
<PartyId/>	Supplier GLN/NAMM ID	X
<Name/>	Supplier company name	
<Address>	Start tag	
<Attn/>	Supplier contact person	
<Address1/>	Supplier address line 1	
<Address2/>	Supplier address line 2	
<Address3/>	Supplier address line 3	
<City/>	Supplier city	
<State/>	Supplier state	
<PostalCode/>	Supplier postal code	
<Country/>	Supplier country	

<CountryCode/>	Supplier country code	
</Address>	End tag	
</Supplier>	End tag	X
<ShipFrom>	Start tag	X
<PartyId/>	Shipper GLN/NAMM ID	X
<Name/>	Shipper company name	
<Address>	Start tag	
<Attn/>	Shipper contact person	
<Address1/>	Shipper address line 1	
<Address2/>	Shipper address line 2	
<Address3/>	Shipper address line 3	
<City/>	Shipper city	
<State/>	Shipper state	
<PostalCode/>	Shipper postal code	
<Country/>	Shipper country	
<CountryCode/>	Shipper country code	
</Address>	End tag	
</ShipFrom>	End tag	X
<ShipmentRefs>	Start tag	
<MasterBOL/>	Shipment master Bill Of Lading number	
<PRONbr/>	Shipment PRO number	
<ConfNbr/>	Shipment confirmation number	
</ShipmentRefs>	End tag	
<ShipmentQty>	Start tag	X
<ContainerQty/>	Number of units per container	X
<ShipmentItemQty/>	Number of units in shipment	
</ShipmentQty>	End tag	X
<Volume>	Start tag	
<VolumeValue/>	Shipment volume value	
<VolumeUOMCode/>	Volume unit of measure (1)	
<VolumeUOMDesc/>	Volume unit of measure description (1)	
</Volume>	End tag	
<Weight>	Start tag	
<WeightValue/>	Shipment weight value	
<WeightUOMCode/>	Weight unit of measure (1)	
<WeightUOMDesc/>	Weight unit of measure description (1)	
</Weight>	End tag	
<TranspCode/>	Transportation code (1)	
<TranspDesc/>	Transportation description (1)	
<SoldTo>	Start tag	X
<PartyId/>	Buyer GLN/NAMM ID	X
<Name/>	Buyer company name	
<Address>	Start tag	
<Attn/>	Buyer contact person	
<Address1/>	Buyer address line 1	
<Address2/>	Buyer address line 2	
<Address3/>	Buyer address line 3	
<City/>	Buyer city	
<State/>	Buyer state	
<PostalCode/>	Buyer postal code	
<Country/>	Buyer country	

<CountryCode/>	Buyer country code	
</Address>	End tag	
</SoldTo>	End tag	X
<ShipTo>	Start tag	X
<PartyId/>	Receiver GLN/NAMM ID	X
<Name/>	Receiver company name	
<Address>	Start tag	
<Attn/>	Receiver contact person	
<Address1/>	Receiver address line 1	
<Address2/>	Receiver address line 2	
<Address3/>	Receiver address line 3	
<City/>	Receiver city	
<State/>	Receiver state	
<PostalCode/>	Receiver postal code	
<Country/>	Receiver country	
<CountryCode/>	Receiver country code	
</Address>	End tag	
</ShipTo>	End tag	X
<Vehicle>	Start tag	
<VehicleId/>	Shipper vehicle ID	
<VehicleType/>	Shipper vehicle type	
<SealId/>	Shipper container seal ID	
</Vehicle>	End tag	
</ShipmentHeader>	End tag	X
<Orders>	Start tag	X
<Order>	Start tag	X
<BuyerOrderId/>	Buyer purchase order ID	X
<Containers>	Start tag	X
<Container>	Start tag	X
<ContainerId/>	Shipper container ID	
<ShipperTrackingNumber/>	Shipper tracking number	
<Item>	Start tag	X
<ItemId>	Start tag	X
<BarcodeId/>	Item digital barcode representation	X
<BarcodeType/>	Item barcode type	X
<BuyerItemId/>	Item buyer ID	X
<BuyerItemDesc/>	Item buyer description	
<SupplierItemId/>	Supplier item ID	X
<SupplierItemDesc/>	Supplier item description	
</ItemId>	End tag	X
<PONlineNbr/>	Purchase Order line number	X
<ItemQty>	Start tag	X
<Qty/>	Item quantity	X
<ItemUOMCode/>	Item unit of measure (1)	
<ItemUOMDesc/>	Item unit of measure description (1)	
</ItemQty>	End tag	X
<ItemAttrs>	Start tag	
<SerialNbrs>	Start tag	
<SerialNbr/>	Item serial number	
</SerialNbrs>	End tag	
<StdPack>	Start tag	
<ICQtyPerUOM/>	Inner Carton quantity per Unit of Measure	
<ICUOM/>	Inner Carton Unit of Measure	

<StdPackType/>	Item package type	
</StdPack>	End tag	
<StdContainer>	Start tag	
<MCQtyPerUOM/>	Master Carton quantity per Unit of Measure	
<MCUOM/>	Master Carton Unit of Measure	
<StdContainerType/>	Item container type	
</StdContainer>	End tag	
</ItemAttrs>	End tag	
</Item>	End tag	
</Container>	End tag	X
</Containers>	End tag	X
</Order>	End tag	X
</Orders>	End tag	X
</NAMM_ASN>	End tag	X

(1) See "Codes Tables", below.

### ***Invoice – invoice.xml***

Tag	Description	Req
<?xml version="1.0" encoding="UTF-8"?>	XML declaration	X
<NAMM_Invoice version="2009.1">	File-level Start tag	X
<InvoiceHeader>	Start tag	X
<Id/>	Document ID	X
<Timestamp/>	Date/time stamp for this document	X
<SoldTo>	Start tag	X
<PartyId/>	Buyer GLN/NAMM ID	X
<Name/>	Buyer company name	
</SoldTo>	End tag	X
<InvoiceId/>	Vendor invoice number	X
<InvoiceType/>	Invoice type	X
<Supplier>	Start tag	X
<PartyId/>	Supplier GLN/NAMM ID	X
<Name/>	Supplier company name	
<Address>	Start tag	
<Attn/>	Supplier contact person	
<Address1/>	Supplier address line 1	
<Address2/>	Supplier address line 2	
<Address3/>	Supplier address line 3	
<City/>	Supplier city	
<State/>	Supplier state	
<PostalCode/>	Supplier postal code	
<Country/>	Supplier country	
<CountryCode/>	Supplier country code	
</Address>	End tag	
</Supplier>	End tag	X
<RemitTo>	Start tag	X
<PartyId/>	Payee GLN/NAMM ID	X
<Name/>	Payee company name	
<Address>	Start tag	
<Attn/>	Payee contact person	
<Address1/>	Payee address line 1	
<Address2/>	Payee address line 2	

<Address3/>	Payee address line 3	
<City/>	Payee city	
<State/>	Payee state	
<PostalCode/>	Payee postal code	
<Country/>	Payee country	
<CountryCode/>	Payee country code	
</Address>	End tag	
</RemitTo>	End tag	X
<BillTo>	Start tag	X
<PartyId/>	Payor GLN/NAMM ID	X
<Name/>	Payor company name	
<Address>	Start tag	
<Attn/>	Payor contact person	
<Address1/>	Payor address line 1	
<Address2/>	Payor address line 2	
<Address3/>	Payor address line 3	
<City/>	Payor city	
<State/>	Payor state	
<PostalCode/>	Payor postal code	
<Country/>	Payor country	
<CountryCode/>	Payor country code	
</Address>	End tag	
</BillTo>	End tag	X
<ShipTo>	Start tag	X
<PartyId/>	Receiver GLN/NAMM ID	X
<Name/>	Receiver company name	
<Address>	Start tag	
<Attn/>	Receiver contact person	
<Address1/>	Receiver address line 1	
<Address2/>	Receiver address line 2	
<Address3/>	Receiver address line 3	
<City/>	Receiver city	
<State/>	Receiver state	
<PostalCode/>	Receiver postal code	
<Country/>	Receiver country	
<CountryCode/>	Receiver country code	
</Address>	End tag	
</ShipTo>	End tag	X
<TermsCode/>	Terms code (1)	X
<TermsDays/>	Number of days for payment	
<TermsDate/>	Date payment is due	
<TermsPercent/>	Percentage terms	
<TermsPercentDays/>	Number of days for percentage terms	
<ShipInstructions/>	Shipping instructions	
<TranspCode/>	Transport method code (1)	
<TranspDesc/>	Transport description (1)	
<TranspCarrier/>	Transport carrier name	
<TranspTime/>	Expected transport time	
<TranspTerms/>	Transport terms	
<IncoTermsCode/>	International terms code (1)	
<IncoTermsDesc/>	International terms description (1)	
<InvoiceDate/>	Invoice date	X
<InvoiceDueDate/>	Date payment is due	X

<BuyerName/>	Buyer company name	
<SalesRep/>	Supplier sales representative name	
<Comments/>	Comments	
</InvoiceHeader>	End tag	X
<InvoiceSummary>	Start tag	X
<TotalItemLines/>	Invoice number of item lines	X
<TotalItemQty/>	Invoice item quantity	X
<LineTotal/>	Value of all item lines	X
<FreightTotal/>	Freight total amount	X
<SalesTax/>	Sales tax amount	X
<MiscCharge/>	Miscellaneous charges	X
<InvoiceTotal/>	Total invoice amount	X
</InvoiceSummary>	End tag	X
<InvoiceDetail>	Start tag	X
<Items>	Start tag	X
<Item>	Start tag	X
<BuyerOrderId/>	Buyer order ID	X
<SupplierOrderId/>	Supplier order ID	X
<InvoiceLineNbr/>	Invoice item line number	X
<POLineNbr/>	Purchase Order line number	X
<BuyerItemId/>	Buyer item ID	X
<Qty/>	Quantity	X
<QtyUOM/>	Quantity unit of measure (1)	X
<UCValue/>	Unit cost	X
<UCCurrencyCode/>	Unit cost currency code	X
<ExtendedCostValue/>	Extended cost	X
<ExtendedCurrencyCode/>	Extended cost currency code	X
<RetailValue/>	Unit retail value	
<RetailCurrencyCode/>	Retail value currency code	
<SupplierItemId/>	Supplier item ID	X
<SupplierItemDesc/>	Supplier item description	X
<PackListNbr/>	Packing list number	
<ShipmentIds>	Start tag	X
<ShipmentId/>	Shipment ID	X
</ShipmentIds>	End tag	X
<DateShipped/>	Date of shipment	X
<BarcodeId/>	Digital barcode representation	X
<BarcodeType/>	Barcode type	X
</Item>	End tag	X
</Items>	End tag	X
</InvoiceDetail>	End tag	X
</NAMM_Invoice>	End tag	X

(1) See "Codes Tables", below.

# Additional Element Information

## Background

Because any given XML element in the NAMM B2B standard might appear in multiple documents, consistent definition, validation, and use across documents is critical. Below is an alphabetical list of all XML elements used in the B2B standard documents, the documents in which they appear, their data types, lengths, and any pertinent notes about content, range, source, or value.

Document name abbreviations used in the “Appears In” column are: AS = Advanced Shipment Notice, FA = Functional Acknowledgement, IN = Invoice, IT = Item, PO = Purchase Order, PY = Party. Data type abbreviations used in the “Type” column are: C = Complex/Container, D = Date, F = Flag (Y/N, C/D, etc.), I = Integer, N = Numeric (decimal), S = String, U = URI.

## Alphabetical Tag Listing

Tag	Appears In	Type	Len	Notes
<Address>	AS IN PO PY	C	-	
<Address1>	AS IN PO PY	S	35	Based on UPS fields
<Address2>	AS IN PO PY	S	35	Based on UPS fields
<Address3>	AS IN PO PY	S	35	Based on UPS fields
<AnnounceDate>	IT	D	10	ISO format: YYYY-MM-DD
<Arranger>	IT	S		Musical composition arranger
<Artist>	IT	S		Musical composition artist
<ASNRequirement>	PO	F	1	“Y” or “N”
<Attn>	AS IN PO PY	S	35	Based on UPS fields
<AvailableDate>	IT	D	10	ISO format: YYYY-MM-DD
<Backorder>	PO	F	1	“Y” or “N”
<BarCodeId>	AS IN IT PO	S	14	GTIN-12 (UPC), GTIN-13 (EAN/JAN), GTIN-14 (GTIN-14), or Vendor Part Number
<BarCodeType>	AS IN IT PO	S	10	“GTIN-12”, “GTIN-13”, “GTIN-14”, or “PartNumber”
<BillTo>	IN PO	C	-	
<BrandName>	IT	S	50	Item brand name
<BuyerItemDesc>	AS PO	S	50	Buyer's item description
<BuyerItemId>	AS IN PO	S	25	Buyer's item ID
<BuyerName>	IN PO	S	35	Buyer company name
<BuyerOrderId>	AS IN PO	S	25	Buyer's order ID
<Category>	IT	S		Item category
<CDimUOM>	IT	S	5	From UOM table
<CHeight>	IT	N	10	5.4, as 12345.6789
<City>	AS IN PO PY	S	30	Based on UPS fields
<CLength>	IT	N	10	5.4, as 12345.6789
<Color>	IT	S	25	Item color
<Comments>	IN	S	250	Comments
<Composer>	IT	S		Musical composition composer
<ConfNbr>	AS	S	25	Confirmation number
<Container>	AS	C	-	
<ContainerId>	AS	S	25	Container ID
<ContainerQty>	AS	I	6	6 digits, as 999999
<Containers>	AS	C	-	
<Content>	IT	S		One line item in TOC

<Country>	AS IN PO PY	S	50	
<CountryCode>	AS IN PO PY	S	2	ISO standard
<CountryOrigin>	IT	S	50	
<CQtyPerUOM>	IT	I	6	6 digits, as 999999
<CUOM>	IT	S	5	From UOM table
<CWeight>	IT	N	10	5.4, as 12345.6789
<CWeightUOM>	IT	S	5	From UOM table
<CWidth>	IT	N	10	5.4, as 12345.6789
<DateBeginShip>	PO	D	10	ISO format: YYYY-MM-DD
<DateCancel>	PO	D	10	ISO format: YYYY-MM-DD
<DateEndShip>	PO	D	10	ISO format: YYYY-MM-DD
<DateOrdered>	PO	D	10	ISO format: YYYY-MM-DD
<DateShipped>	IN	D	10	ISO format: YYYY-MM-DD
<DBA>	PY	S	35	Doing Business As name
<Description>	PY	S		Partner location description
<DimUOM>	IT	S	5	From UOM table
<Email>	PY	S	100	Email address
<EndDate>	PY	D	10	ISO format: YYYY-MM-DD
<EndOfProductionDate>	IT	D	10	ISO format: YYYY-MM-DD
<EstDeliver>	AS	D	10	ISO format: YYYY-MM-DD
<ExtendedCostValue>	IN	N	10	5.4, as 12345.6789
<ExtendedCurrencyCode>	IN	S	3	ISO standard currency code
<Fax>	PY	S	24	Fax number
<FreightTotal>	IN	N	10	5.4, as 12345.6789
<Height>	IT	N	10	5.4, as 12345.6789
<ICBarcodeId>	IT	S	14	GTIN-12 (UPC), GTIN-13 (EAN/JAN), GTIN-14 (GTIN-14), or Vendor Part Number
<ICBarcodeType>	IT	S	10	"GTIN-12", "GTIN-13", "GTIN-14", or "PartNumber"
<ICDimUOM>	IT	S	5	From UOM table
<ICHeight>	IT	N	10	5.4, as 12345.6789
<ICLength>	IT	N	10	5.4, as 12345.6789
<ICQtyPerUOM>	IT IN	N	10	5.4, as 12345.6789
<ICUOM>	IT IN	S	5	From UOM table
<ICWeight>	IT	N	10	5.4, as 12345.6789
<ICWeightUOM>	IT	S	5	From UOM table
<ICWidth>	IT	N	10	5.4, as 12345.6789
<ISBN>	IT	N	13	ISBN standard, 10 to 13 digits
<Id>	AS FA IN PO	S	50	Unique document ID
<Images>	IT	S	256	Item image name
<ImageURL>	IT	U	500	URL for product images
<IncoTermsCode>	IN PO	S	3	From Inco Terms table
<IncoTermsDesc>	IN PO	S	35	From Inco Terms table
<Instrumentation>	IT	S		
<InvoiceDate>	IN	D	10	ISO format: YYYY-MM-DD
<InvoiceDetail>	IN	C	-	
<InvoiceDueDate>	IN	D	10	ISO format: YYYY-MM-DD
<InvoiceHeader>	IN	C	-	
<InvoiceId>	IN	S	32	
<InvoiceLineNbr>	IN	I	6	6 digits, as 999999
<InvoiceSummary>	IN	C	-	
<InvoiceTotal>	IN	N	10	5.4, as 12345.6789
<InvoiceType>	IN	F	1	"C" or "D" for Credit or Debit

				invoice
<Item>	AS IN IT PO	C	-	
<ItemAttrs>	AS	C	-	
<ItemDescLong>	IT	S		Long item description
<ItemId>	AS	C	-	
<ItemQty>	AS	C	-	
<ItemUOMCode>	AS	S	5	From UOM table
<ItemUOMDesc>	AS	S	15	From UOM table
<Items>	IN IT PO	C	-	
<Kit>	IT	F	1	"Y" or "N"
<Length>	IT	N	10	5.4, as 12345.6789
<Level>	IT	S		Music book grade level
<LineTotal>	IN	N	10	5.4, as 12345.6789
<Location>	PY	C	-	
<Locations>	PY	C	-	
<MasterBOL>	AS	S	25	Master Bill Of Lading ID
<MCBarcodeId>	IT	S	14	GTIN-12 (UPC), GTIN-13 (EAN/JAN), GTIN-14 (GTIN-14), or Vendor Part Number
<MCBarcodeType>	IT	S	10	"GTIN-12", "GTIN-13", "GTIN-14", or "PartNumber"
<MCDimUOM>	IT	S	5	From UOM table
<MCHeight>	IT	N	10	5.4, as 12345.6789
<MCLength>	IT	N	10	5.4, as 12345.6789
<MCQtyPerUOM>	AS IT PO	I	6	6 digits, as 999999
<MCUOM>	AS IT PO	S	5	From UOM table
<MCWeight>	IT	N	10	5.4, as 12345.6789
<MCWeightUOM>	IT	S	5	From UOM table
<MCWidth>	IT	N	10	5.4, as 12345.6789
<MiscCharge>	IN	N	10	5.4, as 12345.6789
<Name>	AS IN PO PY	S	35	Based on UPS fields
<Order>	AS	C	-	
<Orders>	AS	C	-	
<PackListNbr>	IN	S	25	Packing list number
<PageCount>	IT	I	6	6 digits, as 999999
<PartyId>	AS FA IN PO PY	S	25	GLN or NAMM ID. If using GLN, then 13 digits w/possible leading zeros denoting location. Otherwise, NAMM ID + "*" + five digits denoting location.
<PartyIdType>	PY	S	4	"GLN" or "NAMM"
<Phone>	PY	S	24	Phone number
<POComments>	PO	S	250	Comments
<PODetail>	PO	C	-	
<POFileType>	PO	S	1	"P" or "A", indicating Pre-accepted or Accepted PO
<POHeader>	PO	C	-	
<POLineNbr>	AS IN PO	I	6	6 digits, as 999999
<POResisionNumber>	PO	I	6	6 digits, as 999999
<PostalCode>	AS IN PO PY	S	9	ZIP 5+4 format w/o dash
<POStatusIndicator>	PO	S	1	"N" or "U", indicating New or Updated PO
<ProductURL>	IT	U	500	URL for product information
<PRONbr>	AS	S	25	Shipment PRO number

<Publisher>	IT	S		Musical composition publisher
<Qty>	AS IN PO	N	10	5.4, as 12345.6789
<QtyUOM>	IN PO	S	5	From UOM table
<RemitTo>	IN	C	-	
<ReplacementID>	IT	S	25	The SupplierItemID that replaces the item
<RetailCurrencyCode>	IN PO	S	3	ISO standard currency code
<RetailValue>	IN IT PO	N	10	5.4, as 12345.6789
<RevisionDate>	PY	D	10	ISO format: YYYY-MM-DD
<SalesRep>	IN	S	35	Sales rep name
<SalesTax>	IN	N	10	5.4, as 12345.6789
<SealId>	AS	S	25	Container seal ID
<Serialized>	IT	F	1	"Y" or "N"
<SerialNbr>	AS	S	25	Item serial number
<SerialNbrs>	AS	C	-	
<ShipFrom>	AS	C	-	
<ShipInstructions>	IN PO	S	250	Shipping instructions
<ShipmentHeader>	AS	C	-	
<ShipmentId>	AS IN	S	25	Shipment ID
<ShipmentIds>	IN	C	-	
<ShipmentItemQty>	AS	I	6	6 digits, as 999999
<ShipmentQty>	AS	C	-	
<ShipmentRefs>	AS	C	-	
<ShipmentType>	AS	S	25	Shipment type
<Shipped>	AS	D	10	ISO format: YYYY-MM-DD
<ShipperTrackingNumber>	AS	S	25	Tracking number
<ShipTo>	AS IN PO	C	-	
<Size>	IT	S	25	Item size
<SoldTo>	AS FA IN PO	C	-	
<StartDate>	PY	D	10	ISO format: YYYY-MM-DD
<State>	AS IN PO PY	S	2	State code
<StatusCode>	FA	S	3	Status code
<StatusMessage>	FA	S	10	Status message
<StdContainer>	AS	C	-	
<StdContainerType>	AS	S		Container type
<StdPack>	AS	C	-	
<StdPackType>	AS	S		Package type
<Supplier>	AS FA IN PO	C	-	
<SupplierId>	IT	S	25	GLN or NAMM ID. If using GLN, then 13 digits w/possible leading zeros denoting location. Otherwise, NAMM ID + "*" + five digits denoting location.
<SupplierItemDesc>	AS IN IT	S	50	Supplier item description
<SupplierItemId>	AS IN IT PO	S	25	Supplier item ID
<SupplierModel>	IT	S	50	Supplier model
<SupplierOrderId>	IN	S	25	Supplier's order ID
<TOC>	IT	C	-	
<TermsCode>	IN PO	S	15	From Terms Code table or partner-specific codes
<TermsDate>	IN PO	D	10	ISO format: YYYY-MM-DD. Required if TermsCode is P998
<TermsDays>	IN PO	I	6	6 digits, as 999999. Required if TermsCode is P998

<TermsPercent>	IN PO	N	6	3.2, as 100.00. Required if TermsCode is P998
<TermsPercentDays>	IN PO	I	6	6 digits, as 999999. Required if TermsCode is P998
<Timestamp>	IN AS FA	S	19	YYYY-MM-DD + "T" + HH:MM:SS
<TotalItemLines>	IN	I	6	6 digits, as 999999
<TotalItemQty>	IN	I	6	6 digits, as 999999
<TradingPartner>	PY	C	-	
<TranspCarrier>	IN PO	S	15	Required if TranspCode is S998
<TranspCode>	AS IN PO	S	15	From Terms Code table or partner-specific codes
<TranspDesc>	AS IN PO	S	50	Transportation description
<TranspTerms>	IN PO	S		Transportation terms
<TranspTime>	IN PO	I	6	6 digits, as 999999
<UCCurrencyCode>	IN PO	S	3	ISO standard currency code
<UCValue>	IN IT PO	N	10	5.4, as 12345.6789
<UnAvailDate>	IT	D	10	ISO format: YYYY-MM-DD
<URL>	PY	U	500	Partner company URL
<Vehicle>	AS	C	-	
<VehicleId>	AS	S	25	Vehicle ID
<VehicleType>	AS	S		Vehicle type
<Volume>	AS	C	-	
<VolumeUOMCode>	AS	S	5	From UOM table
<VolumeUOMDesc>	AS	S	15	From UOM table
<VolumeValue>	AS	N	10	5.4, as 12345.6789
<WarrantyLabTerm>	IT	I	6	6 digits, as 999999
<WarrantyLabUOM>	IT	S	5	From UOM table
<WarrantyPartTerm>	IT	I	6	6 digits, as 999999
<WarrantyPartUOM>	IT	S	5	From UOM table
<Weight>	AS IT	N	10	5.4, as 12345.6789
<WeightUOM>	IT	S	5	From UOM table
<WeightUOMCode>	AS	S	5	From UOM table
<WeightUOMDesc>	AS	S	15	From UOM table
<WeightValue>	AS	N	10	5.4, as 12345.6789
<Width>	IT	N	10	5.4, as 12345.6789

## Codes Tables

### **Terms Codes**

The terms codes reproduced below are used in the Purchase Order and Invoice documents. Further information about the International Chamber of Commerce terms codes (Incoterms) may be found at <http://www.iccwbo.org/incoterms/id3040/index.html>

Terms Code	Terms Percent	Terms Percent Days	Terms Days	Description (No Node)
P001	0		30D	NET 30 DAYS
P002	0		45D	NET 45
P003	0		60D	NET 60
P004	0		90D	NET 90
P005	0		0D	COD
P006	0		0D	PREPAID CHECK
P007	0		45D	CREDIT CARD
P008	0		10D	NET 10
P009	0		15D	NET 15
P010	0		20D	NET 20
P011	1	10D	30D	1% 10/ NET 30
P012	2	10D	30D	2% 10/ NET 30
P013	2	15D	30D	2% 15/ NET 30
P014	2	20D	30D	2% 20/ NET 30
P015	3	10D	30D	3% 10/ NET 30
P016	3	21D	30D	3% 21/ NET 30
P017	5	20D	30D	5% 20/ NET 30
P018	3	30D	31D	3% 30/ NET 31
P019	5	30D	31D	5% 30/ NET 31
P020	10	30D	31D	10% 30/ NET 31
P021	0		90D	3 EQUAL PAYMENTS
P022	2	27D	30D	2% 27/NET 30
P023	1	20D	30D	1% 20/NET 30
P024	1.5	20D	30D	1.5% 20/NET 30
P025	3	14D	30D	3% 14/NET 30
P026	2	30D	31D	2% 30/NET 31
P027	1	15D	30D	1% 15/NET 30
P998				USE DISCOUNT AND DAYS NODES
P999				USE CUSTOMER DEFAULT

### **Inco Terms Codes**

The International Chamber of Commerce (Inco) shipping terms codes reproduced below are used in the Invoice and Purchase Order documents.

Code	Description
<b>Group E: Departure</b>	
EXW	EX Works
<b>Group F: Main carriage unpaid</b>	
FCA	Free Carrier

FAS	Free Alongside Ship
FOB	Free On Board
<b>Group C: Main carriage paid</b>	
CFR	Cost and Freight
CIF	Cost, Insurance and Freight
CPT	Carriage Paid To
CIP	Carriage and Insurance Paid to
<b>Group D: Arrival</b>	
DAF	Delivered At Frontier
DES	Delivered Ex Ship
DEQ	Delivered Ex Quay
DDU	Delivered Duty Unpaid
DDP	Delivered Duty Paid

## ***Shipping Codes***

The shipping codes reproduced below are used in the Purchase Order and Advanced Shipping Notification documents.

<b>Code</b>	<b>Description</b>	<b>Carrier</b>	<b>Time</b>
S001	UPS/Ground	UPS	Ground
S002	UPS/Next Day Air	UPS	1DayAM
S003	UPS/2nd Day Air	UPS	2Day
S004	UPS/3-Day Select	UPS	3Day
S021	FedEx Ground	FedEx	Ground
S005	FedEx/Next Day Air	FedEx	1DayPM
S006	FedEx/2nd Day Air	FedEx	2Day
S007	FedEx/Next Day Priority Air	FedEx	1DayAM
S008	FedEx/2nd Day Priority Air	FedEx	2Day
S022	FedEx Freight	FedEx	LTL
S009	Will Call		
S010	Drop Ship/Misc Carrier		
S023	Drop-Ship UPS/Ground Residential	UPS	GroundReside ntial
S011	Drop-Ship UPS/Ground	UPS	Ground
S012	Drop-Ship UPS/Next Day Air	UPS	1DayAM
S013	Drop-Ship UPS/2nd Day Air	UPS	2Day

S014	Drop-Ship UPS/3 Day Select	UPS	3Day
S015	Drop-Ship FEDX/Next Day Air	FedEx	1DayPM
S016	Drop-Ship FEDX/2nd Day Air	FedEx	2Day
S017	Drop-Ship FEDX/Nxt Day Priority Air	FedEx	1DayAM
S018	Drop-Ship FEDX/2nd Day Priority Air	FedEx	2Day
S020	Misc Carrier/Include Remarks		
S998	Use Carrier and Time Codes		
S999	Use Customer Default (Bestway)		

## **Status Codes**

The status codes reproduced below are used in the Functional Acknowledgement document.

Status Code	Description
C01	Received
C02	Error

## **Unit of Measurement (UOM) Codes**

The UOM codes reproduced below are used in the Advanced Shipment Notice, Invoice, Item, and Purchase Order documents.

Code	Description
BAG	Bag
BKT	Bucket
BND	Bundle
BOWL	Bowl
BX	Box
CRD	Card
CM	Centimeters
CS	Case
CTN	Carton
DZ	Dozen
EA	Each
FT	Foot
GAL	Gallon
GROSS	Gross
IN	Inches
KIT	Kit
LOT	Lot
PC	Piece
PK	Pack
PK100	Pack 100
PK50	Pack 50

PR	Pair
RACK	Rack
RL	Roll
SET	Set
SET3	Set of 3
SET4	Set of 4
SET5	Set of 5
SGL	Single
SHT	Sheet
SQFT	Square ft
TUBE	Tube
YD	Yard

# XML Schemas

## Usage Note

An XML schema file describes the valid structure of an XML document. The schema is the successor to the Document Type Definition (DTD), and is the current recommendation of the World Wide Web Consortium (W3C). Below are the XML Schema Definition (XSD) files associated with each document type in the NAMM B2B standard. These schemas should be used for validation when creating/modifying, sending, receiving, and reading/importing the XML documents to avoid transmitting an invalid document to, or receiving one from, another business partner.

The schemas as presented here do not use the optional `targetNamespace` attribute on the `schema` tag; they have only the `xmlns:xs` attribute, defining the “`xs`” prefix, like this:

```
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">
```

Therefore, when referencing the schemas from a NAMM B2B XML data document, the `xsi:noNamespaceSchemaLocation` attribute (instead of the `xsi:schemaLocation` attribute) should be used on the top-level tag to specify the location of the schema.

For example, assume that the schemas all reside in a folder on the NAMM web site, <http://b2b.namm.org/B2B/Schemas>. If the schema for the Party document is named `Party_v2009-1.xsd`, then the reference to it in the Party document's top-level tag would look like this:

```
<NAMM_PARTY version="2009.1"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:noNamespaceSchemaLocation=
    "http://b2b.namm.org/B2B/Schemas/Party_v2009-1.xsd">
```

Such a reference would allow connection to and validation through the associated schema.

One additional coding note: Because the default value for both the `minOccurs` and `maxOccurs` attributes is “1”, `minOccurs="0"` has been included only when necessary, to indicate optional elements.

## Party

```
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:element name="NAMM_PARTY">
    <xs:complexType>
      <xs:sequence>
        <xs:element name="RevisionDate" type="xs:dateTime"/>
        <xs:element name="TradingPartner">
          <xs:complexType>
            <xs:sequence>
              <xs:element name="PartyId">
                <xs:simpleType>
                  <xs:restriction base="xs:string">
                    <xsmaxLength value="25"/>
                  </xs:restriction>
                </xs:simpleType>
              </xs:element>
              <xs:element name="PartyIdType">
                <xs:simpleType>
                  <xs:restriction base="xs:string">
                    <xs:pattern value="GLN|NAMM"/>
                  </xs:restriction>
                </xs:simpleType>
              </xs:element>
            </xs:sequence>
          </xs:complexType>
        </xs:element>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>
```

```

<xs:element name="Name">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="35"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="DBA" minOccurs="0">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="35"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="URL" minOccurs="0">
  <xs:simpleType>
    <xs:restriction base="xs:anyURI">
      <xs:maxLength value="500"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="Locations">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="Location" maxOccurs="unbounded">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="PartyId">
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:maxLength value="25"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="PartyIdType">
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:pattern value="GLN|NAMM"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="Description">
              type="xs:string" minOccurs="0"/>
              <xs:element name="Name" minOccurs="0">
                <xs:simpleType>
                  <xs:restriction base="xs:string">
                    <xs:maxLength value="35"/>
                  </xs:restriction>
                </xs:simpleType>
              </xs:element>
              <xs:element name="DBA" minOccurs="0">
                <xs:simpleType>
                  <xs:restriction base="xs:string">
                    <xs:maxLength value="35"/>
                  </xs:restriction>
                </xs:simpleType>
              </xs:element>
            </xs:sequence>
          </xs:complexType>
        </xs:element>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>

```

```

<xs:element name="Address" minOccurs="0">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="Attn"
type="xs:string" minOccurs="0"/>
        <xs:element name="Address1"
          type="xs:string" minOccurs="0"/>
        <xs:element name="Address2"
          type="xs:string" minOccurs="0"/>
        <xs:element name="Address3"
          type="xs:string" minOccurs="0"/>
      <xs:element name="City"
type="xs:string" minOccurs="0"/>
        <xs:element name="State"
          type="xs:string" minOccurs="0"/>
        <xs:element name="PostalCode"
          type="xs:string" minOccurs="0"/>
      <xs:element name="Country"
minOccurs="0">
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="50"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="CountryCode"
minOccurs="0">
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:length value="2"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="Phone" minOccurs="0">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:length value="24"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="Fax" minOccurs="0">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:length value="24"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>

```

```

<xs:element name="Email" minOccurs="0">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:length value="100"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="StartDate"
            type="xs:date" minOccurs="0"/>
<xs:element name="EndDate"
            type="xs:date" minOccurs="0">
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
<xs:attribute name="version" use="required"
              type="xs:decimal" fixed="2009.1"/>
</xs:complexType>
</xs:element>
</xs:schema>

```

## Item

```

<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:element name="NAMM_ITEM">
    <xs:complexType>
      <xs:sequence>
        <xs:element name="Id">
          <xs:simpleType>
            <xs:restriction base="xs:string">
              <xsmaxLength value="50"/>
            </xs:restriction>
          </xs:simpleType>
        </xs:element>
        <xs:element name="Timestamp" type="xs:dateTime"/>
        <xs:element name="SupplierId">
          <xs:simpleType>
            <xs:restriction base="xs:string">
              <xsmaxLength value="25"/>
            </xs:restriction>
          </xs:simpleType>
        </xs:element>
        <xs:element name="Items">
          <xs:complexType>
            <xs:sequence>
              <xs:element name="Item" maxOccurs="unbounded">
                <xs:complexType>

```

```

<xs:sequence>
  <xs:element name="SupplierItemId">
    <xs:simpleType>
      <xs:restriction base="xs:string">
        <xs:maxLength value="25"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:element>
  <xs:element name="SupplierModel" minOccurs="0">
    <xs:simpleType>
      <xs:restriction base="xs:string">
        <xs:maxLength value="50"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:element>
  <xs:element name="SupplierItemDesc"
    type="xs:string"/>
  <xs:element name="ItemDescLong"
    type="xs:string" minOccurs="0"/>
  <xs:element name="RetailValue"
    type="xs:decimal" minOccurs="0"/>
  <xs:element name="UCValue" type="xs:decimal"/>
  <xs:element name="CountryOrigin"
    type="xs:string" minOccurs="0"/>
  <xs:element name="BrandName" minOccurs="0">
    <xs:simpleType>
      <xs:restriction base="xs:string">
        <xs:maxLength value="50"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:element>
  <xs:element name="Length"
    type="xs:decimal" minOccurs="0"/>
  <xs:element name="Width"
    type="xs:decimal" minOccurs="0"/>
  <xs:element name="Height"
    type="xs:decimal" minOccurs="0"/>
  <xs:element name="DimUOM" minOccurs="0">
    <xs:simpleType>
      <xs:restriction base="xs:string">
        <xs:maxLength value="5"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:element>
  <xs:element name="Weight"
    type="xs:decimal" minOccurs="0"/>
  <xs:element name="WeightUOM" minOccurs="0">
    <xs:simpleType>
      <xs:restriction base="xs:string">
        <xs:maxLength value="5"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:element>
  <xs:element name="BarCodeId">
    <xs:simpleType>
      <xs:restriction base="xs:string">
        <xs:maxLength value="14"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:element>

```

```

        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="BarCodeType">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xss:enumeration value="GTIN-12"/>
            <xss:enumeration value="GTIN-13"/>
            <xss:enumeration value="GTIN-14"/>
            <xss:enumeration value="PartNumber"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="CLength"
            type="xs:decimal" minOccurs="0"/>
<xs:element name="CWidth"
            type="xs:decimal" minOccurs="0"/>
<xs:element name="CHeight"
            type="xs:decimal" minOccurs="0"/>
<xs:element name="CWeight"
            type="xs:decimal" minOccurs="0"/>
<xs:element name="CDimUOM" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xss:maxLength value="5"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="CWeightUOM" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xss:maxLength value="5"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="CUOM" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xss:maxLength value="5"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="CQtyPerUOM"
            type="xs:integer" minOccurs="0"/>
<xs:element name="ICBarcodeId" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xss:maxLength value="14"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="ICBarcodeType" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xss:enumeration value="GTIN-12"/>
            <xss:enumeration value="GTIN-13"/>
            <xss:enumeration value="GTIN-14"/>

```

```

                <xs:enumeration value="PartNumber"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
    <xs:element name="ICLength"
               type="xs:decimal" minOccurs="0"/>
    <xs:element name="ICWidth"
               type="xs:decimal" minOccurs="0"/>
    <xs:element name="ICHeight"
               type="xs:decimal" minOccurs="0"/>
    <xs:element name="ICWeight"
               type="xs:decimal" minOccurs="0"/>
    <xs:element name="ICDimUOM" minOccurs="0">
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:maxLength value="5"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
    <xs:element name="ICWeightUOM" minOccurs="0">
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:maxLength value="5"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
    <xs:element name="ICUOM" minOccurs="0">
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:maxLength value="5"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
    <xs:element name="ICQtyPerUOM"
               type="xs:decimal" minOccurs="0"/>
    <xs:element name="MCBarcodeId" minOccurs="0">
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:maxLength value="14"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
    <xs:element name="MCBarcodeType" minOccurs="0">
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:enumeration value="GTIN-12"/>
                <xs:enumeration value="GTIN-13"/>
                <xs:enumeration value="GTIN-14"/>
                <xs:enumeration value="PartNumber"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
    <xs:element name="MCLength"
               type="xs:decimal" minOccurs="0"/>
    <xs:element name="MCWidth"
               type="xs:decimal" minOccurs="0"/>
    <xs:element name="MCHeight"
               type="xs:decimal" minOccurs="0"/>

```

```

        type="xs:decimal" minOccurs="0"/>
<xs:element name="MCWeight"
        type="xs:decimal" minOccurs="0"/>
<xs:element name="MCDimUOM" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:maxLength value="5"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="MCWeightUOM" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:maxLength value="5"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="MCUOM" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:maxLength value="5"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="MCQtyPerUOM"
        type="xs:integer" minOccurs="0"/>
<xs:element name="Kit" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:pattern value="Y|N"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="Serialized" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:pattern value="Y|N"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="Color" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:maxLength value="25"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="Size" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:maxLength value="25"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="AnnounceDate"
        type="xs:date" minOccurs="0"/>
<xs:element name="AvailableDate"

```

```

        type="xs:date" minOccurs="0"/>
<xs:element name="UnAvailDate"
        type="xs:date" minOccurs="0"/>
<xs:element name="EndOfProductionDate"
        type="xs:date" minOccurs="0"/>
<xs:element name="ReplacementID" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:maxLength value="25"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="WarrantyPartTerm"
        type="xs:integer" minOccurs="0"/>
<xs:element name="WarrantyPartUOM" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:maxLength value="5"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="WarrantyLabTerm"
        type="xs:integer" minOccurs="0"/>
<xs:element name="WarrantyLabUOM" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:maxLength value="5"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="Category"
        type="xs:string" minOccurs="0"/>
<xs:element name="Images" minOccurs="0" >
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:maxLength value="250"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="ImageURL" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:anyURI">
            <xs:maxLength value="500"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="ProductURL" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:anyURI">
            <xs:maxLength value="500"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="Level"
        type="xs:string" minOccurs="0"/>
<xs:element name="ISBN" minOccurs="0">
    <xs:simpleType>

```

```

        <xs:restriction base="xs:string">
            <xs:maxLength value="13"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="Publisher"
            type="xs:string" minOccurs="0"/>
<xs:element name="Instrumentation"
            type="xs:string" minOccurs="0"/>
<xs:element name="Arranger"
            type="xs:string" minOccurs="0"/>
<xs:element name="Artist"
            type="xs:string" minOccurs="0"/>
<xs:element name="Composer"
            type="xs:string" minOccurs="0"/>
<xs:element name="PageCount"
            type="xs:integer" minOccurs="0"/>
<xs:element name="TOC" minOccurs="0">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="Content"
                        type="xs:string" minOccurs="0"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
<xs:attribute name="version" use="required"
              type="xs:decimal" fixed="2009.1"/>
</xs:complexType>
</xs:element>
</xs:schema>

```

## Purchase Order

```

<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"
            targetNamespace="http://namm.com/PO/2009.2"
            xmlns="http://namm.com/PO/2009.2"
            elementFormDefault="qualified">
    <xs:element name="NAMM_PO">
        <xs:complexType>
            <xs:sequence>
                <xs:element name="Id">
                    <xs:simpleType>
                        <xs:restriction base="xs:string">
                            <xs:maxLength value="50"/>
                        </xs:restriction>
                    </xs:simpleType>
                </xs:element>
                <xs:element name="Timestamp" type="xs:dateTime"/>

```

```

<xs:element name="POHeader">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="SoldTo">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="PartyId">
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:maxLength value="50"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="Name" minOccurs="0">
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:maxLength value="35"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      <xs:element name="Address">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="Attn" minOccurs="0">
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:maxLength value="35"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="Address1" minOccurs="0">
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:maxLength value="35"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="Address2" minOccurs="0">
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:maxLength value="35"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="Address3" minOccurs="0">
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:maxLength value="35"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="City" minOccurs="0">
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:maxLength value="30"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

```

        </xs:element>
    <xs:element name="State" minOccurs="0">
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:maxLength value="2"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
    <xs:element name="PostalCode" minOccurs="0">
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:maxLength value="9"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
    <xs:element name="Country" minOccurs="0">
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:maxLength value="50"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
    <xs:element name="CountryCode" minOccurs="0">
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:maxLength value="2"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="BillTo">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="PartyId">
                <xs:simpleType>
                    <xs:restriction base="xs:string">
                        <xs:maxLength value="50"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:element>
            <xs:element name="Name" minOccurs="0">
                <xs:simpleType>
                    <xs:restriction base="xs:string">
                        <xs:maxLength value="35"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:element>
            <xs:element name="Address">
                <xs:complexType>
                    <xs:sequence>
                        <xs:element name="Attn" minOccurs="0">
                            <xs:simpleType>

```

```

<xs:restriction base="xs:string">
    <xsmaxLength value="35"/>
</xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="Address1" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xsmaxLength value="35"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="Address2" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xsmaxLength value="35"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="Address3" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xsmaxLength value="35"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="City" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xsmaxLength value="30"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="State" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xsmaxLength value="2"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="PostalCode" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xsmaxLength value="9"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="Country" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xsmaxLength value="50"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="CountryCode" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">

```

```

                <xs:maxLength value="2"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="BuyerOrderId">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:maxLength value="25"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="Supplier">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="PartyId">
                <xs:simpleType>
                    <xs:restriction base="xs:string">
                        <xs:maxLength value="50"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:element>
            <xs:element name="Name" minOccurs="0">
                <xs:simpleType>
                    <xs:restriction base="xs:string">
                        <xs:maxLength value="35"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:element>
            <xs:element name="Address">
                <xs:complexType>
                    <xs:sequence>
                        <xs:element name="Attn" minOccurs="0">
                            <xs:simpleType>
                                <xs:restriction base="xs:string">
                                    <xs:maxLength value="35"/>
                                </xs:restriction>
                            </xs:simpleType>
                        </xs:element>
                        <xs:element name="Address1" minOccurs="0">
                            <xs:simpleType>
                                <xs:restriction base="xs:string">
                                    <xs:maxLength value="35"/>
                                </xs:restriction>
                            </xs:simpleType>
                        </xs:element>
                        <xs:element name="Address2" minOccurs="0">
                            <xs:simpleType>
                                <xs:restriction base="xs:string">
                                    <xs:maxLength value="35"/>
                                </xs:restriction>
                            </xs:simpleType>
                        </xs:element>
                    </xs:sequence>
                </xs:complexType>
            </xs:element>
        </xs:sequence>
    </xs:complexType>
</xs:element>

```

```

        </xs:element>
<xs:element name="Address3" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:maxLength value="35"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="City" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:maxLength value="30"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="State" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:maxLength value="2"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="PostalCode" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:maxLength value="9"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="Country" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:maxLength value="50"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="CountryCode" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:maxLength value="2"/>
        </xs:restriction>
    </xs:simpleType>
    </xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="TermsCode">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:maxLength value="15"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="TermsDays" type="xs:integer" minOccurs="0">

```

```

</xs:element>
<xs:element name="TermsDate" type="xs:date" minOccurs="0">
</xs:element>
<xs:element name="TermsPercent" type="xs:decimal" minOccurs="0">
</xs:element>
<xs:element name="TermsPercentDays" type="xs:integer"
minOccurs="0">
</xs:element>
<xs:element name="ShipInstructions" minOccurs="0">
<xs:simpleType>
<xs:restriction base="xs:string">
<xs:maxLength value="250"/>
</xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="TranspCode">
<xs:simpleType>
<xs:restriction base="xs:string">
<xs:maxLength value="15"/>
</xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="TranspDesc" minOccurs="0">
<xs:simpleType>
<xs:restriction base="xs:string">
<xs:maxLength value="50"/>
</xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="TranspCarrier" minOccurs="0">
<xs:simpleType>
<xs:restriction base="xs:string">
<xs:maxLength value="15"/>
</xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="TranspTime" type="xs:integer" minOccurs="0">
</xs:element>
<xs:element name="TranspTerms" type="xs:string" minOccurs="0">
</xs:element>
<xs:element name="IncoTermsCode" minOccurs="0">
<xs:simpleType>
<xs:restriction base="xs:string">
<xs:maxLength value="3"/>
</xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="IncoTermsDesc" minOccurs="0">
<xs:simpleType>
<xs:restriction base="xs:string">
<xs:maxLength value="35"/>
</xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="POComments" minOccurs="0">
<xs:simpleType>
<xs:restriction base="xs:string">

```

```

                <xs:maxLength value="250"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
<xs:element name="DateOrdered" type="xs:date">
</xs:element>
<xs:element name="DateBeginShip" type="xs:date" minOccurs="0">
</xs:element>
<xs:element name="DateEndShip" type="xs:date" minOccurs="0">
</xs:element>
<xs:element name="DateCancel" type="xs:date" minOccurs="0">
</xs:element>
<xs:element name="Backorder">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:pattern value="Y|N"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="BuyerName" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:maxLength value="35"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="PORevisionNumber" type="xs:integer">
</xs:element>
<xs:element name="POStatusIndicator">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:pattern value="N|U"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="ASNRequirement">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:pattern value="Y|N"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="POFileType">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:pattern value="P|A"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="ShipTo">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="PartyId">
                <xs:simpleType>
                    <xs:restriction base="xs:string">
                        <xs:maxLength value="50"/>
                    </xs:restriction>

```

```

        </xs:simpleType>
    </xs:element>
<xs:element name="Name" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:maxLength value="35"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="Address">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="Attn" minOccurs="0">
                <xs:simpleType>
                    <xs:restriction base="xs:string">
                        <xs:maxLength value="35"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:element>
            <xs:element name="Address1" minOccurs="0">
                <xs:simpleType>
                    <xs:restriction base="xs:string">
                        <xs:maxLength value="35"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:element>
            <xs:element name="Address2" minOccurs="0">
                <xs:simpleType>
                    <xs:restriction base="xs:string">
                        <xs:maxLength value="35"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:element>
            <xs:element name="Address3" minOccurs="0">
                <xs:simpleType>
                    <xs:restriction base="xs:string">
                        <xs:maxLength value="35"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:element>
            <xs:element name="City" minOccurs="0">
                <xs:simpleType>
                    <xs:restriction base="xs:string">
                        <xs:maxLength value="30"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:element>
            <xs:element name="State" minOccurs="0">
                <xs:simpleType>
                    <xs:restriction base="xs:string">
                        <xs:maxLength value="2"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:element>
            <xs:element name="PostalCode" minOccurs="0">
                <xs:simpleType>
                    <xs:restriction base="xs:string">

```

```

        <xs:maxLength value="9"/>
    </xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="Country" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:maxLength value="50"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="CountryCode" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:maxLength value="2"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="PODetail">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="Items">
                <xs:complexType>
                    <xs:sequence>
                        <xs:element name="Item" maxOccurs="unbounded">
                            <xs:complexType>
                                <xs:sequence>
                                    <xs:element name="PONumber" type="xs:integer">
                                    </xs:element>
                                    <xs:element name="BuyerItemId">
                                        <xs:simpleType>
                                            <xs:restriction base="xs:string">
                                                <xs:maxLength value="25"/>
                                            </xs:restriction>
                                        </xs:simpleType>
                                    </xs:element>
                                    <xs:element name="BuyerItemDesc" minOccurs="0">
                                        <xs:simpleType>
                                            <xs:restriction base="xs:string">
                                                <xs:maxLength value="50"/>
                                            </xs:restriction>
                                        </xs:simpleType>
                                    </xs:element>
                                    <xs:element name="Qty" type="xs:decimal">
                                    </xs:element>
                                    <xs:element name="QtyUOM">
                                        <xs:simpleType>
                                            <xs:restriction base="xs:string">

```

```

                <xs:maxLength value="5"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
<xs:element name="UCValue" type="xs:decimal">
</xs:element>
<xs:element name="UCCurrencyCode">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:maxLength value="3"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="RetailValue"
            type="xs:decimal" minOccurs="0">
</xs:element>
<xs:element name="RetailCurrencyCode" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:maxLength value="3"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="ICQtyPerUOM"
            type="xs:decimal" minOccurs="0">
</xs:element>
<xs:element name="ICUOM" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:maxLength value="5"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="MCQtyPerUOM"
            type="xs:decimal" minOccurs="0">
</xs:element>
<xs:element name="MCUOM" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:maxLength value="5"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="SupplierItemId" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:maxLength value="25"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="BarCodeId">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:maxLength value="14"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>

```

```

<xs:element name="BarCodeType" minOccurs="0">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:enumeration value="GTIN-12"/>
      <xs:enumeration value="GTIN-13"/>
      <xs:enumeration value="GTIN-14"/>
      <xs:enumeration value="PartNumber"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>

<xs:element name="DateBeginShip"
            type="xs:date" minOccurs="0">
</xs:element>
<xs:element name="DateEndShip"
            type="xs:date" minOccurs="0">
</xs:element>
<xs:element name="DateCancel"
            type="xs:date" minOccurs="0">
</xs:element>

</xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
<xs:attribute name="version" use="required"
              type="xs:decimal" fixed="2009.2"/>
</xs:complexType>
</xs:element>
</xs:schema>

```

## **Functional Acknowledgement**

```

<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:element name="NAMM_FunctionalAcknowledgement">
    <xs:complexType>
      <xs:sequence>
        <xs:element name="Timestamp" type="xs:dateTime"/>
        <xs:element name="Id" type="xs:string"/>
        <xs:element name="Supplier">
          <xs:complexType>
            <xs:sequence>
              <xs:element name="PartyId">
                <xs:simpleType>
                  <xs:restriction base="xs:string">
                    <xs:maxLength value="25"/>
                  </xs:restriction>
                </xs:simpleType>
              </xs:element>
            </xs:sequence>
          </xs:complexType>
        </xs:element>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>

```

```

        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="SoldTo">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="PartyId">
                <xs:simpleType>
                    <xs:restriction base="xs:string">
                        <xs:maxLength value="25"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:element>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="StatusCode">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:enumeration value="C01"/>
            <xs:enumeration value="C02"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="StatusMessage">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:maxLength value="10"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
</xs:sequence>
<xs:attribute name="version" use="required"
              type="xs:decimal" fixed="2009.1"/>
</xs:complexType>
</xs:element>
</xs:schema>

```

## **Advanced Shipping Notice**

```

<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"
            xmlns="http://namm.com/ASN/2009.2"
            targetNamespace="http://namm.com/ASN/2009.2"
            elementFormDefault="qualified">
    <xs:element name="NAMM ASN">
        <xs:complexType>
            <xs:sequence>
                <xs:element name="Id">
                    <xs:simpleType>
                        <xs:restriction base="xs:string">
                            <xs:maxLength value="50"/>
                        </xs:restriction>
                    </xs:simpleType>
                </xs:element>
            </xs:sequence>
        </xs:complexType>
    </xs:element>

```

```

<xs:element name="Timestamp" type="xs:dateTime"/>
<xs:element name="ShipmentHeader">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="ShipmentType" minOccurs="0">
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="25"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="ShipmentId">
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="25"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="Shipped" type="xs:date" minOccurs="0"/>
      <xs:element name="EstDeliver" type="xs:date" minOccurs="0"/>
      <xs:element name="Supplier">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="PartyId">
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:maxLength value="50"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="Name" minOccurs="0">
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:maxLength value="35"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="Address">
              <xs:complexType>
                <xs:sequence>
                  <xs:element name="Attn" minOccurs="0">
                    <xs:simpleType>
                      <xs:restriction base="xs:string">
                        <xs:maxLength value="35"/>
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:element>
                  <xs:element name="Address1" minOccurs="0">
                    <xs:simpleType>
                      <xs:restriction base="xs:string">
                        <xs:maxLength value="35"/>
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:element>
                  <xs:element name="Address2" minOccurs="0">
                    <xs:simpleType>
                      <xs:restriction base="xs:string">

```

```

                <xsmaxLength value="35"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
<xs:element name="Address3" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xsmaxLength value="35"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="City" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xsmaxLength value="30"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="State" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xsmaxLength value="2"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="PostalCode" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xsmaxLength value="9"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="Country" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xsmaxLength value="50"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="CountryCode" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xsmaxLength value="2"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
    </xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="ShipFrom">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="PartyId">
                <xs:simpleType>

```

```

<xs:restriction base="xs:string">
    <xsmaxLength value="50"/>
</xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="Name" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xsmaxLength value="35"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="Address">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="Attn" minOccurs="0">
                <xs:simpleType>
                    <xs:restriction base="xs:string">
                        <xsmaxLength value="35"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:element>
            <xs:element name="Address1" minOccurs="0">
                <xs:simpleType>
                    <xs:restriction base="xs:string">
                        <xsmaxLength value="35"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:element>
            <xs:element name="Address2" minOccurs="0">
                <xs:simpleType>
                    <xs:restriction base="xs:string">
                        <xsmaxLength value="35"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:element>
            <xs:element name="Address3" minOccurs="0">
                <xs:simpleType>
                    <xs:restriction base="xs:string">
                        <xsmaxLength value="35"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:element>
            <xs:element name="City" minOccurs="0">
                <xs:simpleType>
                    <xs:restriction base="xs:string">
                        <xsmaxLength value="30"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:element>
            <xs:element name="State" minOccurs="0">
                <xs:simpleType>
                    <xs:restriction base="xs:string">
                        <xsmaxLength value="2"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:element>

```

```

<xs:element name="PostalCode" minOccurs="0">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="9"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="Country" minOccurs="0">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="50"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="CountryCode" minOccurs="0">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="2"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="ShipmentRefs">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="MasterBOL" minOccurs="0">
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="25"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="PRONbr" minOccurs="0">
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="25"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="ConfNbr" minOccurs="0">
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="25"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="ShipmentQty">
  <xs:complexType>
    <xs:sequence>

```

```

<xs:element name="ContainerQty"
    type="xs:integer"/>
<xs:element name="ShipmentItemQty"
    type="xs:integer" minOccurs="0"/>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="Volume" minOccurs="0">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="VolumeValue"
                type="xs:decimal" minOccurs="0"/>
            <xs:element name="VolumeUOMCode" minOccurs="0">
                <xs:simpleType>
                    <xs:restriction base="xs:string">
                        <xs:maxLength value="5"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:element>
            <xs:element name="VolumeUOMDesc" minOccurs="0">
                <xs:simpleType>
                    <xs:restriction base="xs:string">
                        <xs:maxLength value="15"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:element>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="Weight" minOccurs="0">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="WeightValue"
                type="xs:decimal" minOccurs="0"/>
            <xs:element name="WeightUOMCode" minOccurs="0">
                <xs:simpleType>
                    <xs:restriction base="xs:string">
                        <xs:maxLength value="5"/>
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                </xs:simpleType>
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    value="14"/>
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    value="GTIN-13"/>
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```

```

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    <xs:element name="ItemQty">
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```

```

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            name="SerialNbrs">
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            type="xs:decimal"
            minOccurs="0"/>
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</xs:restriction>

```



```

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```

## **Invoice**

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                            <xs:element name="Timestamp" type="xs:string"/>
                            <xs:element name="SoldTo">
                                <xs:complexType>
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                                            </xs:simpleType>
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                                                    <xs:maxLength value="35"/>
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</xs:schema>

```

```

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```

```

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```

```

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```

```

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```

```

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```

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          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="Address3" minOccurs="0">
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="35"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="City" minOccurs="0">
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="30"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="State" minOccurs="0">
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="2"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="PostalCode" minOccurs="0">
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="9"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="Country" minOccurs="0">
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="50"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

```

        </xs:simpleType>
    </xs:element>
    <xs:element name="CountryCode" minOccurs="0">
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:maxLength value="2"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="TermsCode">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:maxLength value="15"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="TermsDays" type="xs:integer" minOccurs="0">
</xs:element>
<xs:element name="TermsDate" type="xs:date" minOccurs="0">
</xs:element>
<xs:element name="TermsPercent" type="xs:decimal" minOccurs="0">
</xs:element>
<xs:element name="TermsPercentDays"
            type="xs:integer" minOccurs="0">
</xs:element>
<xs:element name="ShipInstructions" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:maxLength value="250"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="TranspCode" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:maxLength value="15"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="TranspDesc" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:maxLength value="50"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="TranspCarrier" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:maxLength value="15"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>

```

```

        </xs:simpleType>
    </xs:element>
    <xs:element name="TranspTime" type="xs:integer" minOccurs="0">
    </xs:element>
    <xs:element name="TranspTerms" type="xs:string" minOccurs="0">
    </xs:element>
    <xs:element name="IncoTermsCode" minOccurs="0">
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:maxLength value="3"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
    <xs:element name="IncoTermsDesc" minOccurs="0">
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:maxLength value="35"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
    <xs:element name="InvoiceDate" type="xs:date">
    </xs:element>
    <xs:element name="InvoiceDueDate" type="xs:date">
    </xs:element>
    <xs:element name="BuyerName" minOccurs="0">
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:maxLength value="35"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
    <xs:element name="SalesRep" minOccurs="0">
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:maxLength value="35"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
    <xs:element name="Comments" minOccurs="0">
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:maxLength value="250"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="InvoiceSummary">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="TotalItemLines" type="xs:integer">
            </xs:element>
            <xs:element name="TotalItemQty" type="xs:integer">
            </xs:element>
            <xs:element name="LineTotal" type="xs:decimal">
            </xs:element>

```

```

<xs:element name="FreightTotal" type="xs:decimal">
</xs:element>
<xs:element name="SalesTax" type="xs:decimal">
</xs:element>
<xs:element name="MiscCharge" type="xs:decimal">
</xs:element>
<xs:element name="InvoiceTotal" type="xs:decimal">
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="InvoiceDetail">
<xs:complexType>
<xs:sequence>
<xs:element name="Items">
<xs:complexType>
<xs:sequence>
<xs:element name="Item" maxOccurs="unbounded">
<xs:complexType>
<xs:sequence>
<xs:element name="BuyerOrderId">
<xs:simpleType>
<xs:restriction base="xs:string">
<xs:maxLength value="25"/>
</xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="SupplierOrderId">
<xs:simpleType>
<xs:restriction base="xs:string">
<xs:maxLength value="25"/>
</xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="InvoiceLineNbr" type="xs:integer">
</xs:element>
<xs:element name="POLineNbr" type="xs:integer">
</xs:element>
<xs:element name="BuyerItemId">
<xs:simpleType>
<xs:restriction base="xs:string">
<xs:maxLength value="25"/>
</xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="Qty" type="xs:decimal">
</xs:element>
<xs:element name="QtyUOM">
<xs:simpleType>
<xs:restriction base="xs:string">
<xs:maxLength value="5"/>
</xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="UCValue" type="xs:decimal">
</xs:element>
<xs:element name="UCCurrencyCode">

```

```

<xs:simpleType>
  <xs:restriction base="xs:string">
    <xs:maxLength value="3"/>
  </xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element
  name="ExtendedCostValue"
  type="xs:decimal">
</xs:element>
<xs:element name="ExtendedCurrencyCode">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="3"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element
  name="RetailValue"
  type="xs:decimal"
  minOccurs="0">
</xs:element>
<xs:element name="RetailCurrencyCode" minOccurs="0">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="3"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="SupplierItemId">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="25"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="SupplierItemDesc">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="50"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="PackListNbr" minOccurs="0">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="25"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="ShipmentIds">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="ShipmentId" >
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="25"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

```

                            </xs:restriction>
                            </xs:simpleType>
                            </xs:element>
                            </xs:sequence>
                        </xs:complexType>
                    </xs:element>
                    <xs:element name="DateShipped" type="xs:date">
                    </xs:element>
                    <xs:element name="BarCodeId">
                        <xs:simpleType>
                            <xs:restriction base="xs:string">
                                <xs:maxLength value="14"/>
                            </xs:restriction>
                        </xs:simpleType>
                    </xs:element>
                    <xs:element name="BarCodeType">
                        <xs:simpleType>
                            <xs:restriction base="xs:string">
                                <xs:enumeration value="GTIN-12"/>
                                <xs:enumeration value="GTIN-13"/>
                                <xs:enumeration value="GTIN-14"/>
                                <xs:enumeration value="PartNumber"/>
                            </xs:restriction>
                        </xs:simpleType>
                    </xs:element>
                    </xs:sequence>
                </xs:complexType>
            </xs:element>
            </xs:sequence>
        </xs:complexType>
    </xs:element>
</xs:sequence>
<xs:attribute name="version" use="required"
              type="xs:decimal" fixed="2009.1"/>
</xs:complexType>
</xs:element>
</xs:schema>
```

## Sample Documents

### Usage Note

Below are samples of each XML document in the NAMM B2B standard, containing correctly coded tags and example data. Note that while these samples may contain some accurate partner information, they are not actual partner documents and should not be construed as such. Use these sample documents as examples of how each document type might be coded. Note that while all required elements are present in these examples, optional elements may or may not be included.

### Party

```
<?xml version="1.0" encoding="UTF-8"?>
<NAMM_Party version="2009.1">
```

```

<RevisionDate>2008-08-13T08:32:00</RevisionDate>
<TradingPartner>
  <PartyId>NAMM000000123999*00000</PartyId>
  <PartyIdType>NAMM</PartyIdType>
  <Name>Ladron Corporation</Name>
  <URL>http://www.ladron.com</URL>
  <Locations>
    <Location>
      <PartyId>NAMM000000123999*00001</PartyId>
      <PartyIdType>NAMM</PartyIdType>
      <Description>Main</Description>
      <Name>Ladron Corporation</Name>
      <Address>
        <Address1>9900 S. Western Ave.</Address1>
        <City>Los Angeles</City>
        <State>CA</State>
        <PostalCode>94321</PostalCode>
        <Country>USA</Country>
        <CountryCode>US</CountryCode>
      </Address>
      <Phone>3231234567</Phone>
      <Fax>3231234567</Fax>
      <Email>sales@ladron.com</Email>
    </Location>
    <Location>
      <PartyId>NAMM000000123999*00002</PartyId>
      <PartyIdType>NAMM</PartyIdType>
      <Description>Shipping Receiving</Description>
      <Name>Ladron Corporation</Name>
      <Address>
        <Attn/>
        <Address1>1500 Hamilton Street</Address1>
        <City>Los Angeles</City>
        <State>CA</State>
        <PostalCode>99333</PostalCode>
        <Country>USA</Country>
        <CountryCode>US</CountryCode>
      </Address>
      <Phone>32398765412</Phone>
      <Fax>3239876542</Fax>
      <Email>receiving@ladron.com</Email>
    </Location>
  </Locations>
</TradingPartner>
</NAMM_PARTY>

```

## **Item**

```

<?xml version="1.0" encoding="UTF-8"?>
<NAMM_ITEM version="2009.1">
  <Id>I999_123456</Id>
  <Timestamp>2009-12-25T08:23:30</Timestamp>
  <SupplierId>0761294001004</SupplierId>
  <Items>
    <Item>
      <SupplierItemId>OperaX6</SupplierItemId>
      <SupplierModel>Opera-X6</SupplierModel>
    </Item>
  </Items>
</NAMM_ITEM>

```

```

<SupplierItemDesc>Workstation Keyboard</SupplierItemDesc>
<ItemDescLong>Powerhouse Workstation with an Ultra-Friendly
Interface</ItemDescLong>
<RetailValue>2395</RetailValue>
<UCValue>2390</UCValue>
<CountryOrigin>China</CountryOrigin>
<BrandName>Ladron</BrandName>
<Length>1050</Length>
<Width>358</Width>
<Height>125</Height>
<DimUOM>mm</DimUOM>
<Weight>12.5</Weight>
<WeightUOM>kg</WeightUOM>
<BarCodeId>761294084991</BarCodeId>
<BarCodeType>GTIN-12</BarCodeType>
<CLength>43</CLength>
<CWidth>15</CWidth>
<CHeight>6</CHeight>
<CWeight>13</CWeight>
<CDimUOM>In</CDimUOM>
<CWeightUOM>kg</CWeightUOM>
<CUOM>EA</CUOM>
<CQtyPerUOM>1</CQtyPerUOM>
<Kit>N</Kit>
<Serialized>Y</Serialized>
<AnnounceDate>2006-01-15</AnnounceDate>
<AvailableDate>2006-02-24</AvailableDate>
<WarrantyPartTerm>90</WarrantyPartTerm>
<WarrantyPartUOM>Day</WarrantyPartUOM>
<WarrantyLabTerm>365</WarrantyLabTerm>
<WarrantyLabUOM>Day</WarrantyLabUOM>
<Category>Keyboard</Category>
<Images>OperaX6.jpg</Images>
<ImageURL>http://www.ladron.com/press/images</ImageURL>
<ProductURL>http://www.ladron.com/products/
    productdetails.aspx?ObjectId=581</ProductURL>
</Item>
<Item>
    <SupplierItemId>SD1</SupplierItemId>
    <SupplierModel>SD-1</SupplierModel>
    <SupplierItemDesc>Super OverDrive</SupplierItemDesc>
    <ItemDescLong>Super OverDrive Pedal</ItemDescLong>
    <RetailValue>97.5</RetailValue>
    <UCValue>39.95</UCValue>
    <CountryOrigin>China</CountryOrigin>
    <BrandName>Boss</BrandName>
    <Length>73</Length>
    <Width>129</Width>
    <Height>59</Height>
    <DimUOM>mm</DimUOM>
    <Weight>0.4</Weight>
    <WeightUOM>kg</WeightUOM>
    <BarCodeId>761294008508</BarCodeId>
    <BarCodeType>GTIN-12</BarCodeType>
    <CLength>3</CLength>
    <CWidth>5.25</CWidth>
    <CHeight>2.5</CHeight>

```

```

<CWeight>0.45</CWeight>
<CDimUOM>In</CDimUOM>
<CWeightUOM>kg</CWeightUOM>
<CUOM>EA</CUOM>
<CQtyPerUOM>1</CQtyPerUOM>
<ICBarcodeId>20761294008508</ICBarcodeId>
<ICBarcodeType>GTIN-12</ICBarcodeType>
<ICLength>6</ICLength>
<ICWidth>5.25</ICWidth>
<ICHeight>5</ICHeight>
<ICWeight>4.25</ICWeight>
<ICDimUOM>In</ICDimUOM>
<ICWeightUOM>Lb</ICWeightUOM>
<ICUOM>In</ICUOM>
<ICQtyPerUOM>4</ICQtyPerUOM>
<MCBarcodeId>40761294008508</MCBarcodeId>
<MCBarcodeType>GTIN-12</MCBarcodeType>
<MCLength>18</MCLength>
<MCWidth>5.25</MCWidth>
<MCHeight>5</MCHeight>
<MCWeight>12.75</MCWeight>
<MCDimUOM>In</MCDimUOM>
<MCWeightUOM>Lb</MCWeightUOM>
<MCUOM>In</MCUOM>
<MCQtyPerUOM>12</MCQtyPerUOM>
<Kit>N</Kit>
<Serialized>N</Serialized>
<AnnounceDate>2003-07-15</AnnounceDate>
<AvailableDate>2003-07-15</AvailableDate>
<WarrantyPartTerm>1825</WarrantyPartTerm>
<WarrantyPartUOM>Day</WarrantyPartUOM>
<WarrantyLabTerm>1825</WarrantyLabTerm>
<WarrantyLabUOM>Day</WarrantyLabUOM>
<Category>Guitar Pedal</Category>
<Images>SD1.jpg</Images>
<ImageURL>http://www.ladron.com/press/images</ImageURL>
<ProductURL>http://www.ladron.com/products/
    productdetails.aspx?ObjectId=133</ProductURL>
</Item>
<Item>
    <SupplierItemId>OperaXBook</SupplierItemId>
    <SupplierModel>Opera-X Book</SupplierModel>
    <SupplierItemDesc>The Hidden Manual to Opera
        X</SupplierItemDesc>
    <ItemDescLong>Discover all the tips and tricks to using your
        Opera X Keyboard</ItemDescLong>
    <RetailValue>19.95</RetailValue>
    <UCValue>9.98</UCValue>
    <CountryOrigin>US</CountryOrigin>
    <BrandName>Ladron</BrandName>
    <Length>11</Length>
    <Width>8</Width>
    <Height>0.5</Height>
    <DimUOM>In</DimUOM>
    <Weight>6</Weight>
    <WeightUOM>Oz</WeightUOM>
    <BarCodeId>761294001233</BarCodeId>

```

```

<BarCodeType>GTIN-12</BarCodeType>
<CLength>11</CLength>
<CWidth>8</CWidth>
<CHeight>0.5</CHeight>
<CWeight>6</CWeight>
<CDimUOM>In</CDimUOM>
<CWeightUOM>Oz</CWeightUOM>
<CUOM>EA</CUOM>
<CQtyPerUOM>1</CQtyPerUOM>
<MCBarcodeId>40761294001233</MCBarcodeId>
<MCBarcodeType>GTIN-12</MCBarcodeType>
<MCLength>11</MCLength>
<MCWidth>8</MCWidth>
<MCHeight>5</MCHeight>
<MCWeight>3.75</MCWeight>
<MCDimUOM>In</MCDimUOM>
<MCWeightUOM>Lb</MCWeightUOM>
<MCUOM>In</MCUOM>
<MCQtyPerUOM>10</MCQtyPerUOM>
<Kit>N</Kit>
<Serialized>N</Serialized>
<AnnounceDate>2006-01-15</AnnounceDate>
<AvailableDate>2005-03-15</AvailableDate>
<Category>Book</Category>
<Images>OperaXBook.jpg</Images>
<ImageURL>http://www.ladron.com/press/images</ImageURL>
<ProductURL>http://www.ladron.com/products/
    productdetails.aspx?ObjectId=989</ProductURL>
<ISBN>1098567432</ISBN>
<Publisher>Ladron</Publisher>
<PageCount>225</PageCount>
</Item>
</Items>
</NAMM_ITEM>

```

## Purchase Order

```

<?xml version="1.0" encoding="UTF-8"?>
<NAMM_PO version="2009.2" xmlns="http://namm.com/PO/2009.2">
    <Id>S2S3050_PO691630</Id>
    <Timestamp>2008-12-25T08:23:30</Timestamp>
    <POHeader>
        <SoldTo>
            <PartyId>1100001001675</PartyId>
            <Name>Joe's Music Store</Name>
            <Address>
                <Attn>Joe Owner</Attn>
                <Address1>321 Main Street</Address1>
                <City>Music City</City>
                <State>NY</State>
                <PostalCode>12345</PostalCode>
                <Country>USA</Country>
                <CountryCode>US</CountryCode>
            </Address>
        </SoldTo>
        <BillTo>
            <PartyId>1100001001675</PartyId>

```

```

<Name>Joe 's Music Store</Name>
<Address>
    <Attn>Joe Owner</Attn>
    <Address1>321 Main Street</Address1>
    <City>Music City</City>
    <State>NY</State>
    <PostalCode>12345</PostalCode>
    <Country>USA</Country>
    <CountryCode>US</CountryCode>
</Address>
</BillTo>
<BuyerOrderId>123456</BuyerOrderId>
<Supplier>
    <PartyId>0761294001004</PartyId>
    <Name>Ladron Corporation</Name>
    <Address>
        <Address1>9990 S. Western Ave.</Address1>
        <City>Los Angeles</City>
        <State>CA</State>
        <PostalCode>90040</PostalCode>
        <Country>USA</Country>
        <CountryCode>US</CountryCode>
    </Address>
</Supplier>
<TermsCode>P024</TermsCode>
<TermsDays>30</TermsDays>
<TermsDate>2008-12-21</TermsDate>
<TermsPercent>1.5</TermsPercent>
<TermsPercentDays>10</TermsPercentDays>
<ShipInstructions>Fragile shipment</ShipInstructions>
<TranspCode>S001</TranspCode>
<TranspDesc>UPS/Ground</TranspDesc>
<TranspCarrier>UPS</TranspCarrier>
<TranspTime>10</TranspTime>
<IncoTermsCode>FOB</IncoTermsCode>
<IncoTermsDesc>Free On Board</IncoTermsDesc>
<POComments>This is an example Purchase Order</POComments>
<DateOrdered>2008-12-14</DateOrdered>
<DateBeginShip>2008-12-14</DateBeginShip>
<DateEndShip>2009-01-31</DateEndShip>
<DateCancel>2009-01-31</DateCancel>
<Backorder>Y</Backorder>
<BuyerName>Joe Buyer</BuyerName>
<PORevisionNumber>0</PORevisionNumber>
<POStatusIndicator>N</POStatusIndicator>
<ASNRequirement>Y</ASNRequirement>
<POFileType>P</POFileType>
<ShipTo>
    <PartyId>1100001001675</PartyId>
    <Name>Joe 's Music Store</Name>
    <Address>
        <Attn>Joe Owner</Attn>
        <Address1>321 Main Street</Address1>
        <City>Music City</City>
        <State>NY</State>
        <PostalCode>12345</PostalCode>
        <Country>USA</Country>

```

```

        <CountryCode>US</CountryCode>
    </Address>
</ShipTo>
</POHeader>
<PODetail>
    <Items>
        <Item>
            <POLineNbr>1</POLineNbr>
            <BuyerItemId>FX6</BuyerItemId>
            <BuyerItemDesc>Workstation Keyboard</BuyerItemDesc>
            <Qty>4</Qty>
            <QtyUOM>EA</QtyUOM>
            <UCValue>1437</UCValue>
            <UCCurrencyCode>USD</UCCurrencyCode>
            <RetailValue>2395</RetailValue>
            <RetailCurrencyCode>USD</RetailCurrencyCode>
            <SupplierItemId>OperaX6</SupplierItemId>
            <BarCodeId>761294084991</BarCodeId>
            <BarCodeType>GTIN-12</BarCodeType>
        </Item>
        <Item>
            <POLineNbr>2</POLineNbr>
            <BuyerItemId>SD1Ladron</BuyerItemId>
            <BuyerItemDesc>Super Overdrive</BuyerItemDesc>
            <Qty>12</Qty>
            <QtyUOM>EA</QtyUOM>
            <UCValue>39.95</UCValue>
            <UCCurrencyCode>USD</UCCurrencyCode>
            <RetailValue>97.50</RetailValue>
            <RetailCurrencyCode>USD</RetailCurrencyCode>
            <SupplierItemId>SD1C</SupplierItemId>
            <BarCodeId>761294008508</BarCodeId>
            <BarCodeType>GTIN-12</BarCodeType>
        </Item>
        <Item>
            <POLineNbr>3</POLineNbr>
            <BuyerItemId>FXBook</BuyerItemId>
            <BuyerItemDesc>Opera X Hidden Manual</BuyerItemDesc>
            <Qty>20</Qty>
            <QtyUOM>EA</QtyUOM>
            <UCValue>9.98</UCValue>
            <UCCurrencyCode>USD</UCCurrencyCode>
            <RetailValue>19.95</RetailValue>
            <RetailCurrencyCode>USD</RetailCurrencyCode>
            <SupplierItemId>OperaXBook</SupplierItemId>
            <BarCodeId>761294001233</BarCodeId>
            <BarCodeType>GTIN-12</BarCodeType>
        </Item>
    </Items>
</PODetail>
</NAMM_PO>

```

## **Functional Acknowledgement**

```

<?xml version="1.0" encoding="UTF-8"?>
<NAMM_FunctionalAcknowledgement version="2009.1">
    <Timestamp>2008-01-14T10:34:02</Timestamp>

```

```

<Id>S2S3050_PO691630-1</Id>
<Supplier>
    <PartyId>0761294001004</PartyId>
</Supplier>
<SoldTo>
    <PartyId>1100001001675</PartyId>
</SoldTo>
<StatusCode>C01</StatusCode>
<StatusMessage>Received</StatusMessage>
</NAMM_FunctionalAcknowledgement>

```

## **Advanced Shipping Notice**

```

<?xml version="1.0" encoding="UTF-8"?>
    <NAMM ASN xmlns= "http://namm.com/ASN/2009.2" version="2009.2">
        <Id>S2S3050_PO691634</Id>
        <Timestamp>2008-01-15T07:34:00</Timestamp>
        <ShipmentHeader>
            <ShipmentId>345678</ShipmentId>
            <Shipped>2008-01-15</Shipped>
            <EstDeliver>2008-01-22</EstDeliver>
            <Supplier>
                <PartyId>0761294001004</PartyId>
                <Name>Ladron Corporation</Name>
                <Address>
                    <Address1>9900 S. Western Ave.</Address1>
                    <City>Los Angeles</City>
                    <State>CA</State>
                    <PostalCode>90040</PostalCode>
                    <Country>USA</Country>
                    <CountryCode>US</CountryCode>
                </Address>
            </Supplier>
            <ShipFrom>
                <PartyId>0761294001004</PartyId>
                <Name>Ladron Corporation</Name>
                <Address>
                    <Address1>9900 S. Western Ave.</Address1>
                    <City>Los Angeles</City>
                    <State>CA</State>
                    <PostalCode>90040</PostalCode>
                    <Country>USA</Country>
                    <CountryCode>US</CountryCode>
                </Address>
            </ShipFrom>
            <ShipmentRefs>
                <PRONbr>SFO-123456</PRONbr>
            </ShipmentRefs>
            <ShipmentQty>
                <ContainerQty>5</ContainerQty>
                <ShipmentItemQty>36</ShipmentItemQty>
            </ShipmentQty>
            <TranspCode>S001</TranspCode>
            <TranspDesc>UPS Ground</TranspDesc>
            <SoldTo>
                <PartyId>1100001001675</PartyId>
                <Name>Joe's Music Store</Name>

```

```

<Address>
    <Attn>Joe Owner</Attn>
    <Address1>321 Main Street</Address1>
    <City>Music City</City>
    <State>NY</State>
    <PostalCode>12345</PostalCode>
    <Country>USA</Country>
    <CountryCode>US</CountryCode>
</Address>
</SoldTo>
<ShipTo>
    <PartyId>1100001001675</PartyId>
    <Name>Joe's Music Store</Name>
    <Address>
        <Attn>Joe Owner</Attn>
        <Address1>321 Main Street</Address1>
        <City>Music City</City>
        <State>NY</State>
        <PostalCode>12345</PostalCode>
        <Country>USA</Country>
        <CountryCode>US</CountryCode>
    </Address>
</ShipTo>
</ShipmentHeader>
<Orders>
    <Order>
        <BuyerOrderId>345678</BuyerOrderId>
        <Containers>
            <Container>
                <ContainerId>345678-1</ContainerId>
                <Item>
                    <ItemId>
                        <BarCodeId>40761294008508</BarCodeId>
                        <BarCodeType>GTIN-12</BarCodeType>
                        <BuyerItemId>SD1Ladron</BuyerItemId>
                        <SupplierItemId>SD1C</SupplierItemId>
                    </ItemId>
                    <POLineNbr>1</POLineNbr>
                    <ItemQty>
                        <Qty>1</Qty>
                        <ItemUOMCode>EA</ItemUOMCode>
                    </ItemQty>
                </Item>
            </Container>
            <Container>
                <ContainerId>345678-2</ContainerId>
                <Item>
                    <ItemId>
                        <BarCodeId>761294084991</BarCodeId>
                        <BarCodeType>GTIN-12</BarCodeType>
                        <BuyerItemId>FX6</BuyerItemId>
                        <SupplierItemId>OperaX6</SupplierItemId>
                    </ItemId>
                    <POLineNbr>2</POLineNbr>
                    <ItemQty>
                        <Qty>1</Qty>
                        <ItemUOMCode>EA</ItemUOMCode>
                    </ItemQty>
                </Item>
            </Container>
        </Containers>
    </Order>
</Orders>

```

```

        </ItemQty>
    </Item>
</Container>
<Container>
<ContainerId>345678-3</ContainerId>
    <Item>
        <ItemId>
            <BarCodeId>761294084991</BarCodeId>
            <BarCodeType>GTIN-12</BarCodeType>
            <BuyerItemId>FX6</BuyerItemId>
            <SupplierItemId>OperaX6</SupplierItemId>
        </ItemId>
        <POLineNbr>3</POLineNbr>
        <ItemQty>
            <Qty>1</Qty>
            <ItemUOMCode>EA</ItemUOMCode>
        </ItemQty>
    </Item>
</Container>
<Container>
<ContainerId>345678-4</ContainerId>
    <Item>
        <ItemId>
            <BarCodeId>761294084991</BarCodeId>
            <BarCodeType>GTIN-12</BarCodeType>
            <BuyerItemId>FX6</BuyerItemId>
            <SupplierItemId>OperaX6</SupplierItemId>
        </ItemId>
        <POLineNbr>4</POLineNbr>
        <ItemQty>
            <Qty>1</Qty>
            <ItemUOMCode>EA</ItemUOMCode>
        </ItemQty>
    </Item>
</Container>
<Container>
<ContainerId>345678-5</ContainerId>
    <Item>
        <ItemId>
            <BarCodeId>761294084991</BarCodeId>
            <BarCodeType>GTIN-12</BarCodeType>
            <BuyerItemId>FX6</BuyerItemId>
            <SupplierItemId>OperaX6</SupplierItemId>
        </ItemId>
        <POLineNbr>5</POLineNbr>
        <ItemQty>
            <Qty>1</Qty>
            <ItemUOMCode>EA</ItemUOMCode>
        </ItemQty>
    </Item>
</Container>
<Container>
<ContainerId>345678-6</ContainerId>
    <Item>
        <ItemId>
            <BarCodeId>761294084991</BarCodeId>
            <BarCodeType>GTIN-12</BarCodeType>

```

```

        <BuyerItemId>FXBook</BuyerItemId>
        <SupplierItemId>OperaXBook</SupplierItemId>
    </ItemId>
    <POLineNbr>6</POLineNbr>
    <ItemQty>
        <Qty>1</Qty>
        <ItemUOMCode>CTN</ItemUOMCode>
    </ItemQty>
</Item>
</Container>
<Container>
    <ContainerId>345678-7</ContainerId>
    <Item>
        <ItemId>
            <BarCodeId>761294084991</BarCodeId>
            <BarCodeType>GTIN-12</BarCodeType>
            <BuyerItemId>FXBook</BuyerItemId>
            <SupplierItemId>OperaXBook</SupplierItemId>
        </ItemId>
        <POLineNbr>7</POLineNbr>
        <ItemQty>
            <Qty>1</Qty>
            <ItemUOMCode>CTN</ItemUOMCode>
        </ItemQty>
    </Item>
    </Container>
</Containers>
</Order>
</Orders>
</asn:NAMM ASN>
```

## **Invoice**

```

<?xml version="1.0" encoding="UTF-8"?>
<NAMM_Invoice version="2009.1" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xsi:noNamespaceSchemaLocation="Schemas\Invoice_v2009-1.xsd">
    <InvoiceHeader>
        <Id>S2S3050_PO691634</Id>
        <Timestamp>2008-01-15T08:34:00</Timestamp>
        <SoldTo>
            <PartyId>1100001001675</PartyId>
            <Name>Joe's Music Store</Name>
        </SoldTo>
        <InvoiceId>12345678</InvoiceId>
        <InvoiceType>D</InvoiceType>
        <Supplier>
            <PartyId>0761294001004</PartyId>
            <Name>Ladron Corporation</Name>
            <Address>
                <Address1>9900 S WesternAve</Address1>
                <City>Los Angeles</City>
                <State>CA</State>
                <PostalCode>90040</PostalCode>
                <Country>United States</Country>
                <CountryCode>US</CountryCode>
            </Address>
        </Supplier>
    </InvoiceHeader>
```

```

<RemitTo>
  <PartyId>0761294001004</PartyId>
  <Name>Ladron Corporation</Name>
  <Address>
    <Attn>Accounts Receivable</Attn>
    <Address1>9900 S WesternAve</Address1>
    <City>Los Angeles</City>
    <State>CA</State>
    <PostalCode>90040</PostalCode>
    <Country>United States</Country>
    <CountryCode>US</CountryCode>
  </Address>
</RemitTo>
<BillTo>
  <PartyId>1100001001675</PartyId>
  <Name>Joe's Music Store</Name>
  <Address>
    <Attn>Accounts Payable</Attn>
    <Address1>Box 123</Address1>
    <City>Music City</City>
    <State>NY</State>
    <PostalCode>12345</PostalCode>
    <Country>United States</Country>
    <CountryCode>US</CountryCode>
  </Address>
</BillTo>
<ShipTo>
  <PartyId>1100001001676</PartyId>
  <Name>Joe's Music Store</Name>
  <Address>
    <Attn>Receiving Department</Attn>
    <Address1>321 Main Street</Address1>
    <City>Music City</City>
    <State>NY</State>
    <PostalCode>12345</PostalCode>
    <Country>United States</Country>
    <CountryCode>US</CountryCode>
  </Address>
</ShipTo>
<TermsCode>P014</TermsCode>
<TranspCode>S001</TranspCode>
<InvoiceDate>2008-01-15</InvoiceDate>
<InvoiceDueDate>2008-02-14</InvoiceDueDate>
<BuyerName>Joe Buyer</BuyerName>
<SalesRep>Richard Rep</SalesRep>
</InvoiceHeader>
<InvoiceSummary>
  <TotalItemLines>3</TotalItemLines>
  <TotalItemQty>7</TotalItemQty>
  <LineTotal>6626.40</LineTotal>
  <FreightTotal>50.00</FreightTotal>
  <SalesTax>123.45</SalesTax>
  <MiscCharge>0.00</MiscCharge>
  <InvoiceTotal>6676.40</InvoiceTotal>
</InvoiceSummary>
<InvoiceDetail>
  <Items>

```

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<Item>
  <BuyerOrderId>123456</BuyerOrderId>
  <SupplierOrderId>123456</SupplierOrderId>
  <InvoiceLineNbr>1</InvoiceLineNbr>
  <POLineNbr>2</POLineNbr>
  <BuyerItemId>SD1Ladron</BuyerItemId>
  <Qty>1</Qty>
  <QtyUOM>CTN</QtyUOM>
  <UCValue>479.40</UCValue>
  <UCCurrencyCode>USD</UCCurrencyCode>
  <ExtendedCostValue>479.40</ExtendedCostValue>
  <ExtendedCurrencyCode>USD</ExtendedCurrencyCode>
  <SupplierItemId>SD1</SupplierItemId>
  <SupplierItemDesc>Ladron SD1</SupplierItemDesc>
  <PackListNbr>345678</PackListNbr>
  <ShipmentIds>
    <ShipmentId>345678</ShipmentId>
  </ShipmentIds>
  <DateShipped>2008-01-15</DateShipped>
  <BarCodeId>761294008508</BarCodeId>
  <BarCodeType>GTIN-12</BarCodeType>
</Item>
<Item>
  <BuyerOrderId>123456</BuyerOrderId>
  <SupplierOrderId>123456</SupplierOrderId>
  <InvoiceLineNbr>2</InvoiceLineNbr>
  <POLineNbr>1</POLineNbr>
  <BuyerItemId>FX6</BuyerItemId>
  <Qty>4</Qty>
  <QtyUOM>EA</QtyUOM>
  <UCValue>1437.00</UCValue>
  <UCCurrencyCode>USD</UCCurrencyCode>
  <ExtendedCostValue>5748.00</ExtendedCostValue>
  <ExtendedCurrencyCode>USD</ExtendedCurrencyCode>
  <SupplierItemId>OperaX6</SupplierItemId>
  <SupplierItemDesc>Opera X6 Keyboard</SupplierItemDesc>
  <PackListNbr>345678</PackListNbr>
  <ShipmentIds>
    <ShipmentId>345678</ShipmentId>
  </ShipmentIds>
  <DateShipped>2008-01-15</DateShipped>
  <BarCodeId>761294084991</BarCodeId>
  <BarCodeType>GTIN-12</BarCodeType>
</Item>
<Item>
  <BuyerOrderId>123456</BuyerOrderId>
  <SupplierOrderId>123456</SupplierOrderId>
  <InvoiceLineNbr>3</InvoiceLineNbr>
  <POLineNbr>3</POLineNbr>
  <BuyerItemId>FXBook</BuyerItemId>
  <Qty>2</Qty>
  <QtyUOM>CTN</QtyUOM>
  <UCValue>199.50</UCValue>
  <UCCurrencyCode>USD</UCCurrencyCode>
  <ExtendedCostValue>399.00</ExtendedCostValue>
  <ExtendedCurrencyCode>USD</ExtendedCurrencyCode>
  <SupplierItemId>OperaXBook</SupplierItemId>

```

```
<SupplierItemDesc>Opera X Hidden Secrets</SupplierItemDesc>
<PackListNbr>345678</PackListNbr>
<ShipmentIds>
    <ShipmentId>345678</ShipmentId>
</ShipmentIds>
<DateShipped>2008-01-15</DateShipped>
<BarCodeId>761294001233</BarCodeId>
<BarCodeType>GTIN-12</BarCodeType>
</Item>
</Items>
</InvoiceDetail>
</NAMM_Invoice>
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[end of document]