



papiNet

**BookSpecification**

**papiNet Standard - Version 2.31**

**Documentation**

**Global Standard for the Paper and Forest  
Products Supply Chain**

**Build V2R31\_20220323**

**Date 2022-04-27**

**Production Release**

# **papiNet Standard**

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### BookSpecification Documentation

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#### **BookSpecification e-Document Overview**

The BookSpecification e-Document is designed for use within the Book Industry, consisting of publishers, printers, and component suppliers. The BookSpecification e-Document was developed to capture product specifications exclusive to book manufacturing industry products, most commonly, single book products, however the BookSpecification e-Document is comprehensive in scope and can be utilized to define book set products, packages and media.

The structure of the e-Document utilizes existing papiNet constructs where ever possible, and in addition, contains the unique Book Industry specific data elements. The e-Document has also been designed to capture detailed product specifications as optional elements. (For additional information, refer to the papiNet Data Dictionary which can be found at [www.papinet.org](http://www.papinet.org).)

The buyer establishes product specifications and captures the data in a BookSpecification e-Document that is sent to the supplier. The buyer references the BookSpecification e-Document identifier in order to provide the additional required information needed by the supplier to process specific transactions such as:

- Request for quote (RFQ)
- Purchase Order (PO)

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#### **The Scope of the BookSpecification e-Document**

The BookSpecification e-Document represents established product specifications that can be referenced by multiple transactions in the manufacturing life cycle of a product from RFQ through invoice and subsequent reprints and/or reorders. It captures unique book manufacturing industry data elements as established by the buyer that are needed by the supplier for manufacturing.

The recommended usage is creation and initiation of the BookSpecification e-Document by the buyer, sent in conjunction with and referenced by a transaction that requires response such as the RFQ or PO.

The Specification E-Document may accompany either the RFQ or PO Transaction and differs from other Book Industry Transactions. The e-Document does not require a response from the supplier; however a business acknowledgement transaction may be used for this purpose if required by the trading partner.

Changes to the BookSpecification e-Document by the buyer are made by issuance of a new specification e-Document or issuing an amended BookSpecification e-Document.

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#### **Business Rules for the BookSpecification e-Document**

At the highest level, data elements that are required represent the minimal amount of data needed to process the corresponding RFQ or Purchase Order transaction. The following is a list of the highest level

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fields required for the BookSpecification e-Document:

- SpecType (attribute)
- SpecStatusType (attribute)
- Spec General (group element): Within the Spec General the following fields are required:
  - Spec Information (group element)
  - Sender Party (group element)
  - Receiver Party (group element)
  - SpecificationNumber (element)
  - Spec Version (element)
  - Spec Issue Date (group element)

At a minimum, one (or more) of the following line items of the transaction must be completed at the highest level and are repeatable as necessary.

- SpecBinding
- SpecPackaging
- SpecAssembly
- SpecComponent (Press and/or non-press group)

Following are the business rules that apply to the specification e-Document:

### General Business Rules

Identifier	Business Rule
<b>Spec_001</b>	The BookSpecification e-Document's SpecificationNumber is always to be referenced in the corresponding PurchaseOrder or RFQ e-Document's PurchaseOrderReference element. This ensures the linkage between the PO / RFQ and its corresponding BookSpecification.
<b>Spec_002</b>	Purchase order instructions may vary from the BookSpecification e-Document and will be treated as an override associated solely with that PO.
<b>Spec_003</b>	[obsolete]
<b>Spec_004</b>	ProductIdentifier, Agency, and ProductIdentifierType field values are the same field values populated in the associated e-Document types (PO, RFQ) and are used for linking the two e-Documents.
<b>Spec_005</b>	Agency for the book specification e-Document is XBITS.
<b>Spec_006</b>	Changes to the spec can be initiated only by the buyer.

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<b>Spec_007</b>	At a minimum, one (or more) of the following line items of the transaction must be completed at the highest level and are repeatable as necessary. <ul style="list-style-type: none"><li>• SpecBinding</li><li>• SpecPackaging</li><li>• SpecAssembly</li></ul>
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### Processing the BookSpecification e-Document

A buyer sends a BookSpecification e-Document in conjunction with an RFQ or PO, referencing the specification e-Document number/version. The supplier will then initiate a response to the accompanying RFQ or PO including the reference to the specification e-Document number/version by the initiation of the Quote (from RFQ) or PO Confirmation (from PO).

- Acceptance

Acceptance of the BookSpecification e-Document is handled by the acceptance of the associated PO or RFQ and implies acceptance of the linked BookSpecification e-Document.

- Rejection

Rejection of the BookSpecification e-Document is handled by rejection of the PO or RFQ indicating the reason for rejection.

- Confirmation

Confirmation of the BookSpecification e-Document is not required; however a business acknowledgement transaction could be utilized if the BookSpecification e-Document was sent to the supplier without an associated RFQ or PO.

### Status Values Used When Processing the BookSpecification e-Document

The SpecStatusType attribute communicates the status of the BookSpecification e-Document using the following choices:

- Original

Indicates the original issue of the BookSpecification e-Document by the buyer

- Replaced

Indicates that the buyer has made changes to a field or fields within the BookSpecification e-Document

- Amended

Indicates only change fields have been sent.

- Cancel

Indicates the BookSpecification e-Document has been cancelled.

Buyer sends a BookSpecification e-Document and a PO to the supplier with the BookSpecification e-Document StatusType of "Original". The supplier processes the e-Document data internally and then sends a PO Confirmation e-Document in reply to the buyer.

Buyer sends a BookSpecification e-Document to the supplier with the StatusType "Replaced". The supplier replaces all data of the "Original" BookSpecification e-

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Document with all data contained in the "Replaced" BookSpecification e-Document. (Precondition: the supplier has previously received an "Original" BookSpecification e-Document).

Rejection of a BookSpecification e-Document by the supplier is accomplished by rejection of the corresponding PO or RFQ. The BusinessAcknowledgement may also be used to reject/accept the BookSpecification e-Document.

Buyer may elect to issue the complete or applicable partial BookSpecification e-Document to all supplier parties along with the appropriate PO or RFQ e-Document.

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### Understanding the Diagrams and Content

This section provides an explanation of the graphical view and descriptive content associated with the schema structures.

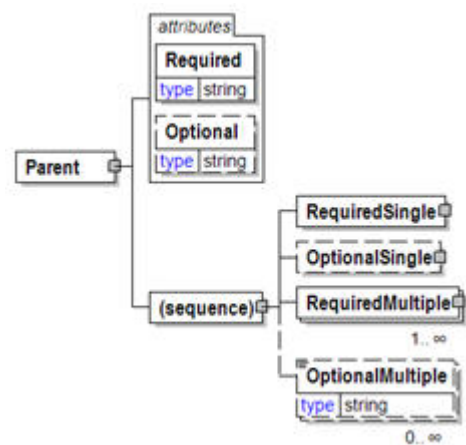
- The graphics contain elements, attributes, content model indicators, cardinality indicators, and data type information.
- Associated with each graphic are the definitions for the parent item and any associated child items. All attributes are listed first, followed by the elements.
- Children are grouped together using, what is termed, a content model.
- Cardinality is communicated for each item.

Let's use the following sample graphic as an explanatory vehicle. This graphic displays a parent element that has four elements and two attributes.

#### Elements:

Elements are displayed using a simple rectangle.

- A required element has a solid outline.
- An optional element has a dashed outline.
- Repeatability is shown via a multip-page outline along with an indication of the repeatability in the bottom right-hand side of the element.
- If the element permits the entry of textual content three-horizontal lines appear in the upper left-hand corner (See, "OptionalMultiple").
- The element's data-type is displayed below the element name. (In addition a default value, if it exists, can be shown.)
- If the element contains further element or attribute content a gray box appears at the right-hand middle portion of the outline (See, "RequiredSingle", "OptionalSingle", "RequiredMultiple").



#### Attributes:

Attributes are contained within a tabbed container that is labelled "attributes".

- A required attribute has a solid outline.
- An optional attribute has a dashed outline.

#### Content model indicators:

There are three possible types of content: "sequence", "choice", and "all". The sample above shows "sequence".

- (sequence)  
The sequence of the items to the right of the graphic (or below the text) are grouped together.
- (choice)  
A choice of the items to the right of the graphic (or below the text) is permitted.
- (all)  
All the items to the right of the graphic are required.



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Content models can also display cardinality aspects (single, multiple, optional, required), these are shown in a way similar to elements.

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### papiNet Standard Root Element

#### BookSpecification

The BookSpecification element is the root element for the BookSpecification e-Document.

The BookSpecification e-Document represents established product specifications that can be referenced by multiple transactions in the manufacturing life cycle of a product from RFQ through Invoice and subsequent reprints and/or reorders. It captures unique book manufacturing industry data elements as established by the buyer that are needed by the supplier for manufacturing.

##### SpecType [attribute]

*SpecType is optional. A single instance might exist.*

Used to identify what type of BookSpecification e-Document this transaction is.

*This item is restricted to the following list.*

##### SpecContent

Indicates that BookSpecification should only be used in the content file verification process.

##### SpecOrder

Used when the BookSpecification e-Document is intended for use with the Purchase Order transaction.

##### SpecRFQ

Used when the BookSpecification e-Document is intended for use with the Request for Quote (Estimate) transaction.

##### SupplierSpec

**Will be removed in a future version. Recommended not to be used**  
 (Old definition: Used when the BookSpecification e-Document is intended for use by the Supplier only and is not generated by, or transmitted to the Buyer).

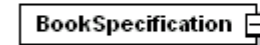
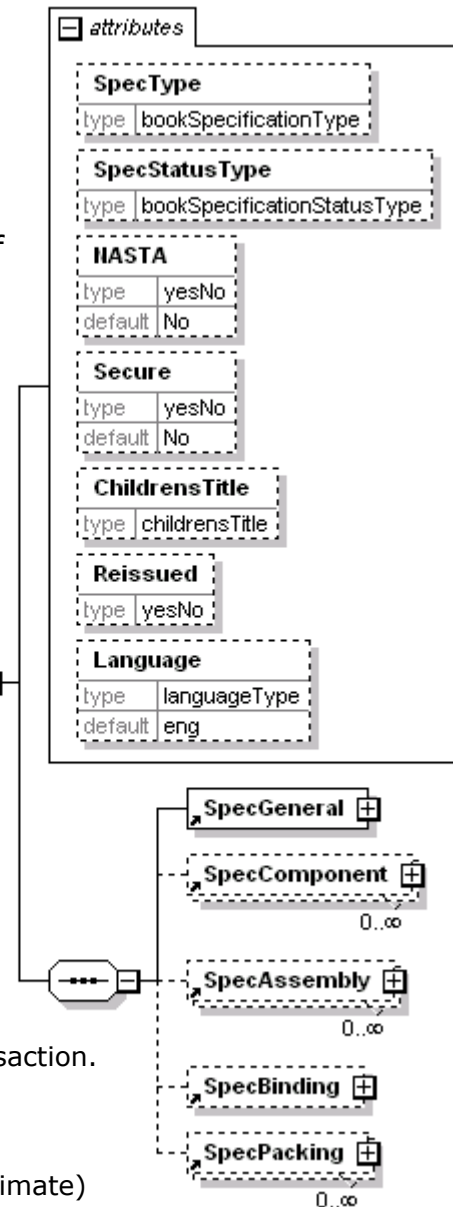
##### SpecStatusType [attribute]

*SpecStatusType is optional. A single instance might exist.*

Identifies the status of the entire BookSpecification e-Document (in other words, at the root level).

*This item is restricted to the following list.*

##### Amended



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The supplied information is changed.

### **Cancelled**

The supplied information has been cancelled. Items that have been cancelled are not included in totals on the summary levels of the e-Document.

### **Original**

The supplied information is the first version of that information.

### **Replaced**

The supplied information is replacing earlier supplied information. The receiver should revalidate the information in their system based upon the entire information received.

### **NASTA [attribute]**

*NASTA is optional. A single instance might exist.*

Indicates if the specification must conform to the NASTA (National Association of State Textbook Administrators) requirements.

*This item is restricted to the following list.*

#### **Yes**

Book production must adhere to NASTA specifications.

#### **No**

Book production is not subject to NASTA specifications.

### **ChildrensTitle [attribute]**

*ChildrensTitle is optional. A single instance might exist.*

Specifies if the book product is designated for use by children 12 and under or not.

*This item is restricted to the following list.*

#### **NotChildrensTitle**

Not a children's product; no testing required for lead or phthalates.

#### **ChildrensWithPlayValue**

Designated as a children's product and has "play value" outside of reading and writing; requires testing for lead and phthalates. (Examples of "play value" include paper doll books, sticker books, board books and bathtub books).

#### **ChildrensWithoutPlayValue**

Designated as a children's product but does not have any "play value" outside of reading and writing; requires testing for lead but not phthalates.

### **Secure [attribute]**

*Secure is optional. A single instance might exist.*

This attribute indicates that the product requires a secure manufacturing plant. For example when manufacturing ACT booklets and other testing products.

*This item is restricted to the following list.*

#### **Yes**

#### **No**

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### **Reissued [attribute]**

*Reissued is optional. A single instance might exist.*

Either "Yes" or "No".

*This item is restricted to the following list.*

**Yes**

**No**

### **Language [attribute]**

*Language is optional. A single instance might exist.*

The valid Alpha 2- and Alpha 3-character list of language codes in the ISO 639-1 and 639-2 international standards.

Information on the content of this attribute is available at:  
[https://www.loc.gov/standards/iso639-2/php/code\\_list.php](https://www.loc.gov/standards/iso639-2/php/code_list.php)

### **(sequence)**

*The sequence of items below is mandatory. A single instance is required.*

#### **SpecGeneral**

*SpecGeneral is mandatory. A single instance is required.*

Spec General

#### **SpecComponent**

*SpecComponent is optional. Multiple instances might exist.*

Group element used to identify all the necessary component information for this BookSpecification.

- Each occurrence of this construct identifies a single component.

#### **SpecAssembly**

*SpecAssembly is optional. Multiple instances might exist.*

SpecAssembly contains assemblies that are used in the manufacturing of books.

#### **SpecBinding**

*SpecBinding is optional. A single instance might exist.*

SpecBinding describes the binding process.

#### **SpecPacking**

*SpecPacking is optional. Multiple instances might exist.*

SpecPacking defines the book packaging parameters.

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### Primary Elements

#### SpecGeneral

Spec General

**(sequence)**

*The sequence of items below is mandatory. A single instance is required.*

##### SpecInformation

*SpecInformation is mandatory. A single instance is required.*

Construct is used to uniquely identify this BookSpecification.

- Note: ProductIdentifier, ProductDescription, and Classification removed in Version V2R30 and replaced with SpecificationNumber to more accurately reflect the business process.

##### TransactionHistoryNumber

*TransactionHistoryNumber is optional. A single instance might exist.*

A sequential number that keeps track of the version of a document being sent by the document originator. However when the document is a confirmation document, in which case the TransactionHistoryNumber refers to the trigger transaction for which the confirmation is being sent.

##### SenderParty

*SenderParty is optional. A single instance might exist.*

The business entity issuing the e-Document, the source of the document.

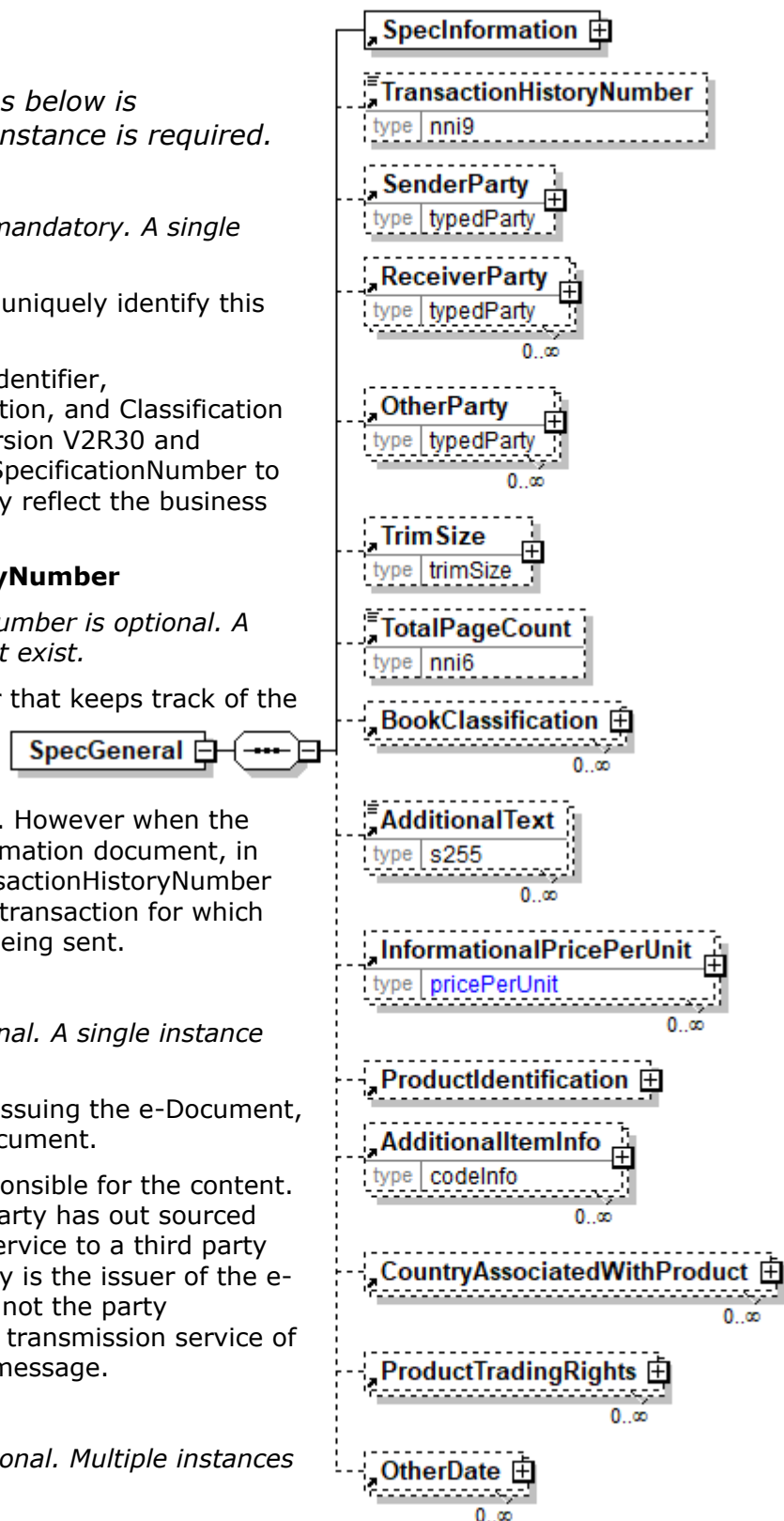
- The entity responsible for the content. If the sender party has outsourced the message service to a third party the SenderParty is the issuer of the e-Document and not the party performing the transmission service of the electronic message.

##### ReceiverParty

*ReceiverParty is optional. Multiple instances might exist.*

The business entity for whom the e-Document is intended, the destination of the document.

- The entity interested in the content. If the receiver party has outsourced the



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message service to a third party the ReceiverParty is the intended party for the e-Document and not the party performing the receiving service of the electronic message.

### **OtherParty**

*OtherParty is optional. Multiple instances might exist.*

An organisation or business entity other than those specifically detailed within a e-Document.

### **TrimSize**

*TrimSize is optional. A single instance might exist.*

Trim size.

### **TotalPageCount**

*TotalPageCount is optional. A single instance might exist.*

Element used to communicate the book's approximate total number of pages within each unit of the book. Total page count is more or less a reference to the "size" of the book that the customer designates. For instance, they will refer to a book as 800 pages when in fact it is 792 actual text pages with 8 pages of various inserts. This value should not be used to drive any of the other values for the component parts, but may in fact be exactly equal to the number of pages in one of the components designated as "Text".

### **BookClassification**

*BookClassification is optional. Multiple instances might exist.*

Category under which the product or a component within the product is classified.

### **AdditionalText**

*AdditionalText is optional. Multiple instances might exist.*

A text field that is used to communicate information not previously defined or for special instructions. To be used only for circumstances not covered by specific elements.

### **InformationalPricePerUnit**

*InformationalPricePerUnit is optional. Multiple instances might exist.*

A group item containing a currency value and a measurement value used convey a secondary PricePerUnit. For example, where PricePerUnit is dollars per ton. InformationalPricePerUnit could be dollars per kilogram.

### **ProductIdentification**

*ProductIdentification is optional. A single instance might exist.*

A grouping element designed to communicate product identification related to the parent element that contains this item.

### **AdditionalItemInfo**

*AdditionalItemInfo is optional. Multiple instances might exist.*

A grouping element that contains information about additional items specified by an agency. Restricted use of this element is recommended.

### **CountryAssociatedWithProduct**

*CountryAssociatedWithProduct is optional. Multiple instances might exist.*

Specifies the country associated with the product.

### **ProductTradingRights**

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*ProductTradingRights is optional. Multiple instances might exist.*

Identifies a country to which products can or cannot be sold or distributed.

### **OtherDate**

*OtherDate is optional. Multiple instances might exist.*

A date that may not be specifically detailed within a document (example: print date at the PurchaseOrderLineItem).

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### SpecComponent

Group element used to identify all the necessary component information for this BookSpecification.

- Each occurrence of this construct identifies a single component.

**(sequence)**

*The sequence of items below is mandatory. A single instance is required.*

**ProductIdentifier**

*ProductIdentifier is mandatory. A single instance is required.*

Used to communicate the code of the article, in a variety of formats designated by the type.

**ProductDescription**

*ProductDescription is optional. Multiple instances might exist.*

An element used to communicate a human readable description of the product in the language specified by the Language attribute.

**(sequence)**

*The sequence of items below is mandatory. One instance is required, multiple instances might exist.*

**Classification**

*Classification is mandatory. A single instance is required.*

A group item that details the product classification according to a particular organization's scheme. An item across multiple classifications would still be recognized as the same item. Examples of some product classifications are: Containerboard, Pulp-Dissolving, or Newsprint.

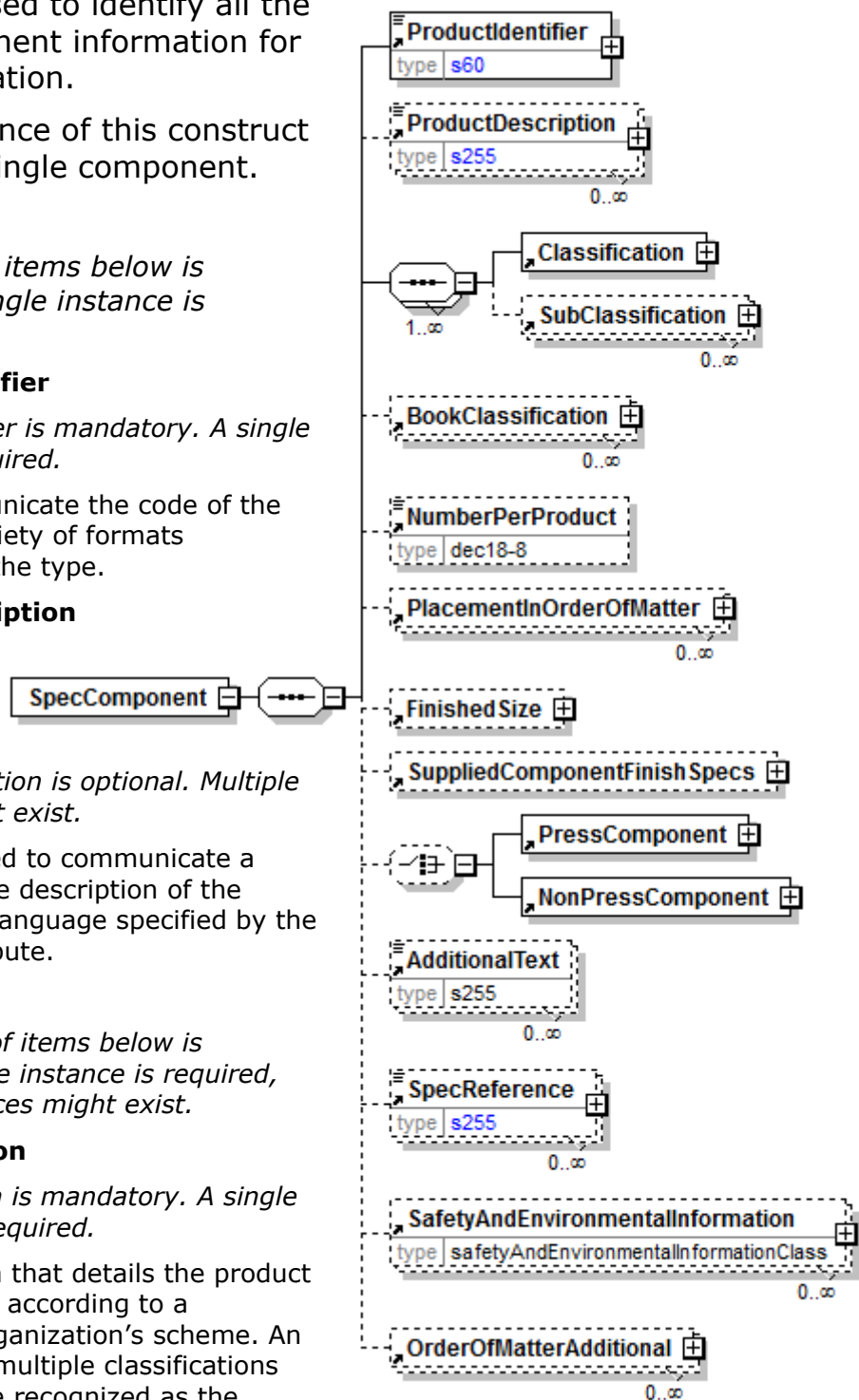
**SubClassification**

*SubClassification is optional. Multiple instances might exist.*

SubClassification provides additional classification information.

**BookClassification**

*BookClassification is optional. Multiple instances might exist.*





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Category under which the product or a component within the product is classified.

### **NumberPerProduct**

*NumberPerProduct is optional. A single instance might exist.*

The number of components or items per assembly or constructed product

### **PlacementInOrderOfMatter**

*PlacementInOrderOfMatter is optional. Multiple instances might exist.*

Element used to identify where the component is to be placed amongst other components when assembling a book.

### **FinishedSize**

*FinishedSize is optional. A single instance might exist.*

Finished size

### **SuppliedComponentFinishSpecs**

*SuppliedComponentFinishSpecs is optional. A single instance might exist.*

Supplied Component Finish Specs

### **(choice)**

*[choice] is optional. A single instance might exist.*

#### **PressComponent**

*PressComponent is mandatory. A single instance is required.*

Press Component.

#### **NonPressComponent**

*NonPressComponent is mandatory. A single instance is required.*

Non-press component.

### **AdditionalText**

*AdditionalText is optional. Multiple instances might exist.*

A text field that is used to communicate information not previously defined or for special instructions. To be used only for circumstances not covered by specific elements.

### **SpecReference**

*SpecReference is optional. Multiple instances might exist.*

Used to identify any external or associated documents, identifiers, etc.

### **SafetyAndEnvironmentalInformation**

*SafetyAndEnvironmentalInformation is optional. Multiple instances might exist.*

Name of certification type, if any, on the goods (For example, FSC, PEFC). SafetyAndEnvironmental needs a value or measurement to communicate the percentage of the product is certified (for example, 75% is certified by the indicated agency).

### **OrderOfMatterAdditional**

*OrderOfMatterAdditional is optional. Multiple instances might exist.*

Group element used to identify all the information for the additional manufacturing requirements.

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### SpecAssembly

SpecAssembly contains assemblies that are used in the manufacturing of books.

#### SpecAssemblyType [attribute]

*SpecAssemblyType is optional. A single instance might exist.*

Indicator that identifies the part of the book product for which the assembly information is being specified.

#### Component

Part or section of the book product.

#### FinishedGoods

Goods that have completed the manufacturing process but have not yet been sold or distributed to the end user.

(sequence)

*The sequence of items below is mandatory. A single instance is required.*

#### ProductIdentifier

*ProductIdentifier is mandatory. A single instance is required.*

Used to communicate the code of the article, in a variety of formats designated by the type.

#### ProductDescription

*ProductDescription is optional. Multiple instances might exist.*

An element used to communicate a human readable description of the product in the language specified by the Language attribute.

#### BillOfMaterials

*BillOfMaterials is optional. A single instance might exist.*

A specification of the components and other items that are used to produced the item in question.

#### Height

*Height is optional. A single instance might exist.*

The height of the object.

#### Length

*Length is optional. A single instance might exist.*

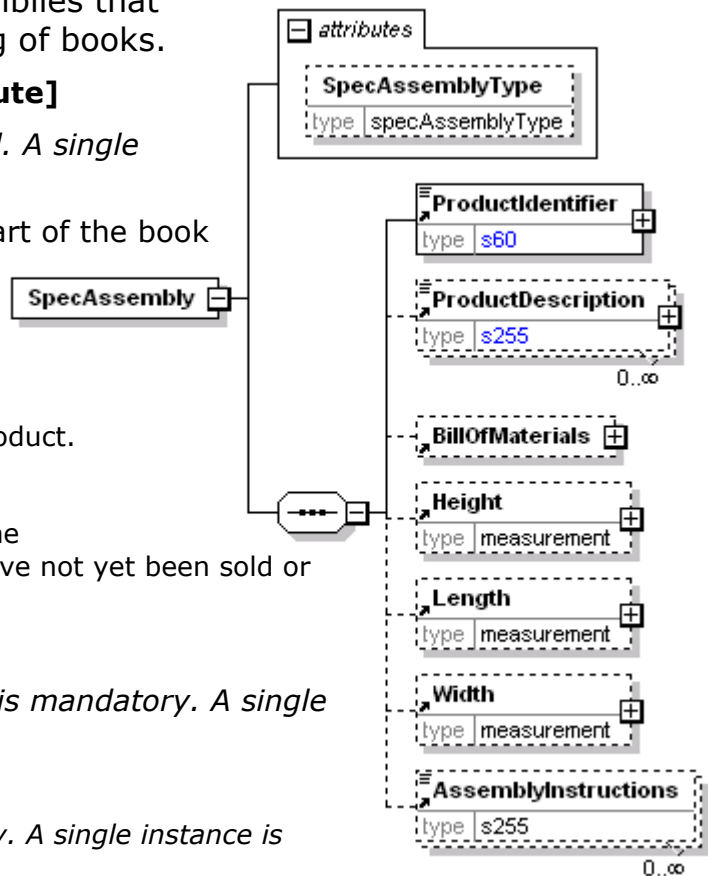
The length of the object.

#### Width

*Width is optional. A single instance might exist.*

The width of the object.

#### AssemblyInstructions



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*AssemblyInstructions is optional. Multiple instances might exist.*

Instructions for assembly.

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### SpecBinding

SpecBinding describes the binding process.

#### BindingType [attribute]

*BindingType is optional. A single instance might exist.*

Identifies the primary binding category of the book.

*This item is restricted to the following list.*

##### Hardcover

Method of binding where the pages are bound between rigid boards covered in cloth, paper, leather, or film.

##### Softcover

Having covers made of paper or thin cardboard.

##### Layflat

Method of perfect binding that allows a publication to lie fully open.

##### Loose

Finished product consists of loose pages or signatures rather than bound; example is a packet of loose leaf pages that are drilled for insertion into a ring binder.

##### Mechanical

Method of binding which secures pre-trimmed leaves by the insertion of wire or plastic spirals through holes drilled in the binding edge.

##### Self

Method of binding where the cover is comprised of the outside pages of the text.

#### BindingStyleType [attribute]

*BindingStyleType is optional. A single instance might exist.*

Indicates the style of binding used.

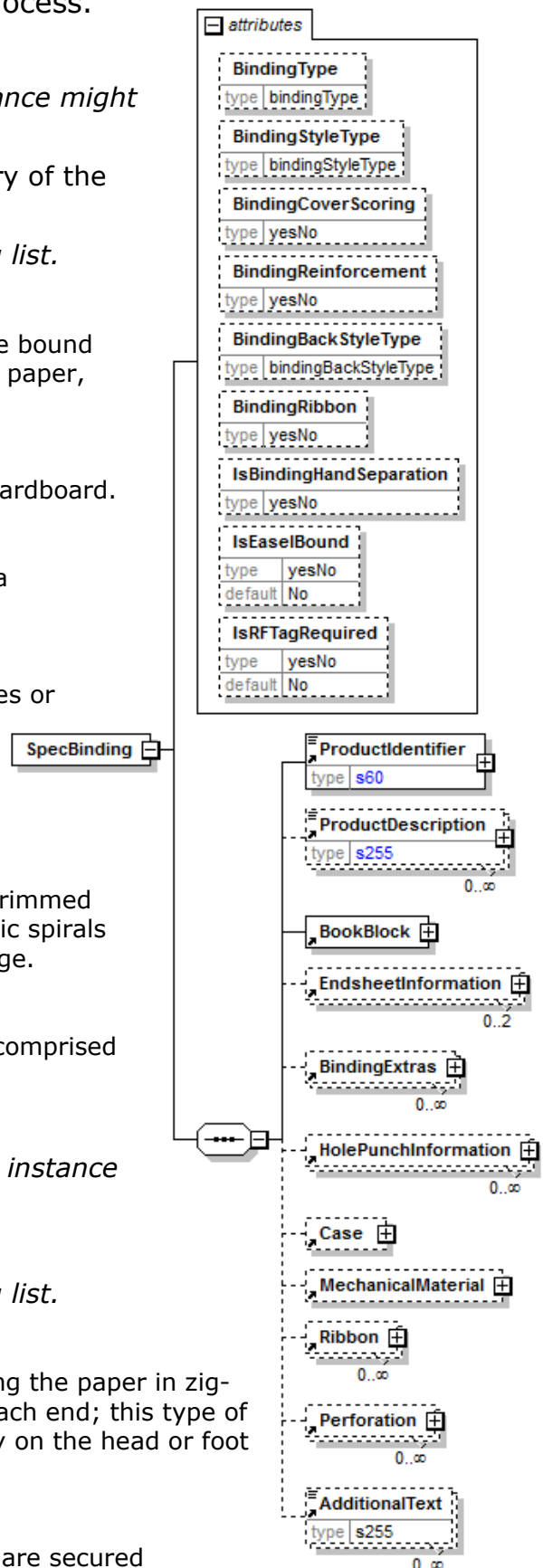
*This item is restricted to the following list.*

##### Accordion

Pages of the book are formed by folding the paper in zig-zag form and the cover is applied to each end; this type of binding allows the book to stand firmly on the head or foot edges.

##### Adhesive

Type of binding in which single leaves are secured together solely with an adhesive applied to the spine.



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### **AdhesiveBurst**

A line of slots is cut from the spine at the fold so that the glue adheres to the cut edge of each slot; sections are not milled before gluing.

Will be deprecated in version V3R00.

### **AdhesiveSewn**

Softcover book where the pages are sewn prior to the cover being applied using with adhesives.

### **BoardBook**

Cover and pages of the book printed on thick paperboard.

### **BookLock**

Alternating left-right perforations along the sides of the spine, the alternating protruding flaps along the spine when the signature is folded and the casting of these alternating flaps into the spine glue.

### **Burst**

The spine of each section is slotted or perforated during the folding operation. Glue is pushed up between the perforations during binding and the cover is then drawn on.

### **CombinationBinding**

Will be deprecated in version V3R00.

### **Custom**

Highly stylized binding in an unusual way compared to standard manufacturing.

### **Durasew**

Will be deprecated in version V3R00.

### **FlexiBind**

A system for binding books includes a flexible binding material in the form of a stud having top and bottom caps.

### **IMS**

Will be deprecated in version V3R00.

### **LayFlatSoft**

Will be deprecated in version V3R00.

See LayFlatBind

### **LayflatBind**

Softcover book where the cover is glued only to the sides of the spine so that the book can lay flat when open. A strip of gauze is glued to the spine edge of the book block to hold the signatures or pages together.

### **LooseLeaf**

Consisting of loose leaves (pages), often collected in a binder, rather than being bound like a book or stap.

### **McCainSideSewn**

Brand Name of the machine used for Sidesewn bookbinding; see SideSewn

Will be deprecated in version V3R00.

### **Notch**

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The gouging of grooves (commonly G inch wide) in the spine of a book block to facilitate the penetration of adhesive during subsequent perfect binding.

### **Pad**

A number of sheets of paper fastened together along one edge.

### **Patent**

Will be deprecated in version V3R00.

### **PerfectAdhesive**

Will be deprecated in version V3R00.

See PerfectBound

### **PerfectBound**

A process in which the binding edge of the folded sections of a book are trimmed (to separate the leaves) before being glued to the cover's spine.

### **PlasticComb**

Mechanical binding in which the pages are bound together by means of a plastic comb consisting of a plastic strip off which extend a series of curved plastic prongs, which are inserted into drilled or punched holes along the binding edge of the pages.

### **Repkover**

Brand Name of the machine used for layflat bookbinding; see LayflatBind

Will be deprecated in version V3R00.

### **Ring**

Binding technique where pages are punched or drilled at one edge and inserted into two or more metal rings held inside a stiff cover.

### **RoundBound**

Will be deprecated in version V3R00.

### **SaddleStitch**

Method of binding a small booklet by stitching it through the center fold of the sheets that comprise its pages; stitching materials can be regular binding thread, saddle wire, or staples.

### **SaddleWire**

SaddleStitch bindng using wire staples.

### **SelfCover**

Will be deprecated in version V3R00.

### **SemiConcealedWireO**

WireO binding where the wire is partially visible in the spine of the book.

### **SideSewn**

Compiled signatures are sewn together with stitches running top down through the book block and parallel to the binding edge.

### **Sidewire**

Stapling through the sides of the folded sheets.

### **SmythSewn**

Brand name for ThreadSewing equipment: see ThreadSewn.

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### **Spiral**

A continuous wire or plastic coil is threaded through holes drilled or punched along the binding side of the book including the separate front and back covers.

### **SpiralHardFrontHardBack**

Spiral binding with separate case covers on the front and back of the book.

### **SpiralSoftFrontHardBack**

Spiral binding with a soft /paper cover on the front and a case cover on the back.

### **SpiralSoftFrontSoftBack**

Spiral binding with separate soft /paper covers on the front and back

### **SquareBackSaddleWire**

Saddlewire binding method where the spine is flattened rather than folded.

### **Thermal**

Binding method that uses a one piece cover with glue down the spine to quickly and easily bind documents.

### **Threadseal**

The spine of each individual signature is stitched or stapled with a plastic coated thread, then the threads are sealed with an application of heat.

### **ThreadSewn**

Binding process where all of the signatures are sewn individually together with threads going through each page several times.

### **Trim4SideDrill**

All 4 sides of the book block are trimmed and then holepunched.

Will be deprecated in version V3R00.

### **TrimFourSides**

All 4 sides of the book block are trimmed.

Will be deprecated in version V3R00.

### **UltraFan**

Will be deprecated in version V3R00.

### **WireO**

Punch-and-bind spiral wire binding where there are twin-loops of wire as opposed to single-loop in typical spiral binding.

### **WireOConcealed**

WireO binding where the wire is concealed in the spine of the book

### **Other**

### **BindingCoverScoring [attribute]**

*BindingCoverScoring is optional. A single instance might exist.*

Indicates if scoring of the front cover close to the spine allowing the cover to easily stay open is required.

*This item is restricted to the following list.*

**Yes**

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Scoring is required.

### **No**

Scoring is not required.

### **BindingReinforcement [attribute]**

*BindingReinforcement is optional. A single instance might exist.*

Specifies if spine reinforcement materials are included in the binding operation.

*This item is restricted to the following list.*

### **Yes**

Reinforcement materials are required.

### **No**

Reinforcement materials are not required.

### **BindingBackStyleType [attribute]**

*BindingBackStyleType is optional. A single instance might exist.*

Specifies that the book cover is either attached or detached from the spine.

*This item is restricted to the following list.*

### **Tight**

Specifies the book cover is attached to the spine.

### **Loose**

Specifies the book cover is detached from the spine.

### **BindingRibbon [attribute]**

*BindingRibbon is optional. A single instance might exist.*

Specifies if a ribbon (bookmark) is to be included in the binding.

*This item is restricted to the following list.*

### **Yes**

Ribbons are included.

### **No**

Ribbons are not included.

### **IsBindingHandSeparation [attribute]**

*IsBindingHandSeparation is optional. A single instance might exist.*

Indicates if there is hand separation required or not for books with odd page counts.

*This item is restricted to the following list.*

### **Yes**

### **No**

### **IsEaselBound [attribute]**

*IsEaselBound is optional. A single instance might exist.*

Specifies if the binding is at the top of the pages or not rather than on the side



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which changes the pagination of the pages.

*This item is restricted to the following list.*

**Yes**

**No**

### **IsRFTagRequired [attribute]**

*IsRFTagRequired is optional. A single instance might exist.*

Indicates that RFTag application is required in the manufacturing and carton packaging processes.

*This item is restricted to the following list.*

**Yes**

**No**

### **(sequence)**

*The sequence of items below is mandatory. A single instance is required.*

#### **ProductIdentifier**

*ProductIdentifier is mandatory. A single instance is required.*

Used to communicate the code of the article, in a variety of formats designated by the type.

#### **ProductDescription**

*ProductDescription is optional. Multiple instances might exist.*

An element used to communicate a human readable description of the product in the language specified by the Language attribute.

#### **BookBlock**

*BookBlock is mandatory. A single instance is required.*

The text block plus the endpapers and other materials added by the binder before cover is applied.

#### **EndsheetInformation**

*EndsheetInformation is optional.*

End sheet information.

#### **BindingExtras**

*BindingExtras is optional. Multiple instances might exist.*

Binding extras

#### **HolePunchInformation**

*HolePunchInformation is optional. Multiple instances might exist.*

Hole Punch Information.

#### **Case**

*Case is optional. A single instance might exist.*

Case information

#### **MechanicalMaterial**

*MechanicalMaterial is optional. A single instance might exist.*

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Mechanical material information

### Ribbon

*Ribbon is optional. Multiple instances might exist.*

Ribbon information.

### Perforation

*Perforation is optional. Multiple instances might exist.*

Perforation information

### AdditionalText

*AdditionalText is optional. Multiple instances might exist.*

A text field that is used to communicate information not previously defined or for special instructions. To be used only for circumstances not covered by specific elements.

## SpecPacking

SpecPacking defines the book packaging parameters.

### IsBoxed [attribute]

*IsBoxed is optional. A single instance might exist.*

*This item is restricted to the following list.*

#### Yes

Indicates that the operation should be performed and the specifications are included in the e-Document.

#### No

Indicates that the operation will not be performed.

### StandardOperatingProcedure

Indicates the operation should be performed according to the Standard Operating Procedure manual provided by the customer that contains all procedures required for conducting business.

### IsPalletized [attribute]

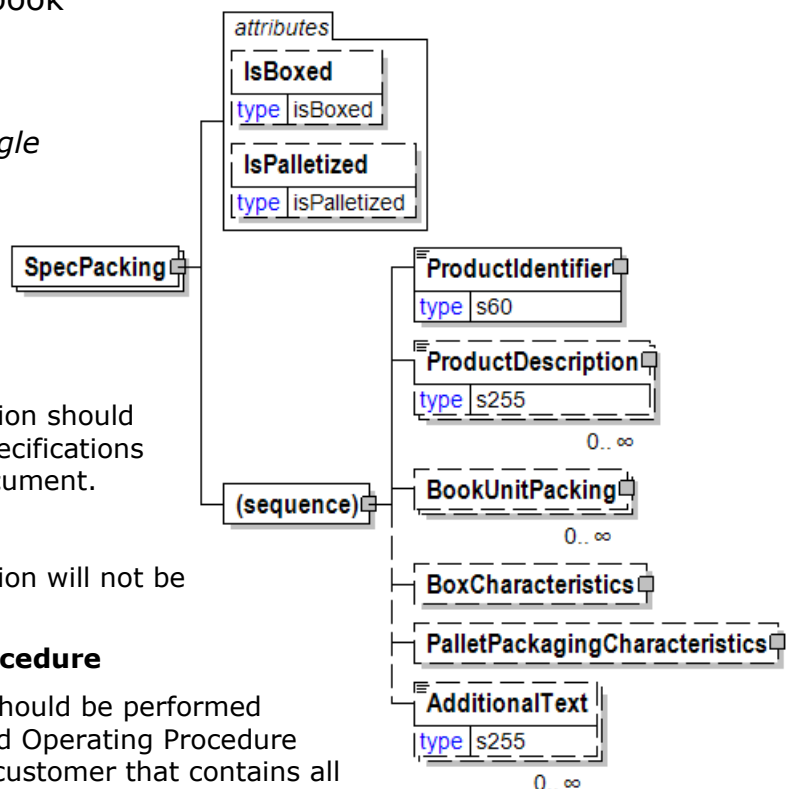
*IsPalletized is optional. A single instance might exist.*

The buyer's directions for how the item is to be palletized.

*This item is restricted to the following list.*

#### Yes

Indicates that the operation should be performed and the specifications are included in the e-Document.



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### **No**

Indicates that the operation will not be performed.

### **StandardOperatingProcedure**

Indicates the operation should be performed according to the Standard Operating Procedure manual provided by the customer that contains all procedures required for conducting business.

### **(sequence)**

*The sequence of items below is mandatory. A single instance is required.*

### **ProductIdentifier**

*ProductIdentifier is mandatory. A single instance is required.*

Used to communicate the code of the article, in a variety of formats designated by the type.

### **ProductDescription**

*ProductDescription is optional. Multiple instances might exist.*

An element used to communicate a human readable description of the product in the language specified by the Language attribute.

### **BookUnitPacking**

*BookUnitPacking is optional. Multiple instances might exist.*

Book unit packing information

### **BoxCharacteristics**

*BoxCharacteristics is optional. A single instance might exist.*

BoxCharacteristics is a group element that contains information about the box (or carton)

### **PalletPackagingCharacteristics**

*PalletPackagingCharacteristics is optional. A single instance might exist.*

PalletPackagingCharacteristics details the characteristics of the packaging for a pallet.

### **AdditionalText**

*AdditionalText is optional. Multiple instances might exist.*

A text field that is used to communicate information not previously defined or for special instructions. To be used only for circumstances not covered by specific elements.

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### Business Scenarios

#### Scenario A

<b>Scenario</b>	<p>Example of an educational text book with:</p> <ul style="list-style-type: none"> <li>• spiral coated-wire binding</li> <li>• 10 7/8 x 12 1/16 inch trim size</li> <li>• 720 pages             <ul style="list-style-type: none"> <li>• the first 2 signatures print on 60 LB paper</li> <li>• the remaining on 45 pound                 <ul style="list-style-type: none"> <li>• contains 3 printed tab-dividers</li> </ul> </li> </ul> </li> </ul> <p>The front cover is paper and the back cover is hard with a white end sheets and oversized (11 1/2 inch width) to protect the tab-dividers.</p>
<b>Spreadsheet</b>	BookSpecification_ScenarioA.xls
<b>XML File</b>	None

#### Scenario B

<b>Scenario</b>	<p>Example of an educational text book with:</p> <ul style="list-style-type: none"> <li>• plastic-spiral binding</li> <li>• 10 x 12 inch trim size</li> <li>• 480 pages and a set of 6 tab-dividers.</li> </ul> <p>The front and back covers are hard with white end sheets and oversized (10 5/8 inch width) to protect the tab dividers.</p>
<b>Spreadsheet</b>	BookSpecification_ScenarioB.xls
<b>XML File</b>	BookSpecification_ScenarioB.xml

#### Scenario C

<b>Scenario</b>	<p>Example of the Jacket specification for a hardcover book:</p> <ul style="list-style-type: none"> <li>• 5 1/2 x 8 1/4 inch trim size</li> <li>• 30`4 pages</li> </ul>
<b>Spreadsheet</b>	BookSpecification_ScenarioC.xls
<b>XML File</b>	None

#### Scenario D

<b>Scenario</b>	Example of an educational Hardcover text book:
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	<ul style="list-style-type: none"> <li>• 7 x 9 inch trim size</li> <li>• 768 pages               <ul style="list-style-type: none"> <li>• the first signature is 2/Color</li> <li>• the remaining signatures are 4/Color printing on 45 LB paper                   <ul style="list-style-type: none"> <li>• contains 3 furnished inserts and a dust jacket</li> </ul> </li> </ul> </li> </ul>
<b>Spreadsheet</b>	BookSpecification_ScenarioD.xls
<b>XML File</b>	None

#### Scenario E

<b>Scenario</b>	Example of the Assembly of the Notch Text book with: <ul style="list-style-type: none"> <li>• a CD</li> <li>• Pass code card</li> <li>• and label</li> </ul>
<b>Spreadsheet</b>	BookSpecification_ScenarioE.xls
<b>XML File</b>	None

#### Scenario F

<b>Scenario</b>	Example of a hardcover book: <ul style="list-style-type: none"> <li>• 5 1/2 x 8 1/4 inch trim size</li> <li>• 304 pages</li> <li>• 1/Color printing on 50 LB paper</li> <li>• a furnished dust jacket.</li> </ul>
<b>Spreadsheet</b>	What is the result when this scenario is successfully completed.
<b>XML File</b>	Who starts the process?

#### Scenario G

<b>Scenario</b>	Example of a paper cover catalogue <ul style="list-style-type: none"> <li>• 8 3/8 x 10 7/8 inch trim size</li> <li>• 1280 pages</li> <li>• 1/Color, 5-hole drilled</li> </ul>
<b>Spreadsheet</b>	BookSpecification_ScenarioG.xls
<b>XML File</b>	None

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### Scenario H

<b>Scenario</b>	Paperback book specification
<b>Spreadsheet</b>	None
<b>XML File</b>	BookSpecification_ScenarioH.xml

### Scenario I

<b>Scenario</b>	Hardcover book specification, trade
<b>Spreadsheet</b>	None
<b>XML File</b>	BookSpecification_ScenarioI.xml

### Scenario J

<b>Scenario</b>	Jacket Specification
<b>Spreadsheet</b>	None
<b>XML File</b>	BookSpecification_ScenarioJ.xml