



papiNet

BookSpecification

papiNet Standard - Version 2.31

Documentation

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

Build V2R31_20230321

Date 2023-04-16

Production Release

papiNet Standard

papiNet Standard - Version 2.31

Copyright

Copyright 2000 - 2023 papiNet G.I.E ("papiNet") and International Digital Enterprise Alliance, Inc. ("IDEAlliance") collectively "Copyright Owner". All rights reserved by the Copyright Owner under the laws of the United States, Belgium, the European Economic Community, and all states, domestic and foreign. This document may be downloaded and copied provided that all copies retain and display the copyright and any other proprietary notices contained in this document. This document may not be sold, modified, edited, or taken out of context such that it creates a false or misleading statement or impression as to the purpose or use of the papiNet specification, which is an open standard. Use of this Standard, in accord with the foregoing limited permission, shall not create for the user any rights in or to the copyright, which rights are exclusively reserved to the Copyright Owner.

papiNet, IDEAlliance, and the members of all papiNet Groups (collectively and individually, "Presenters") make no representations or warranties, express or implied, including, but not limited to, warranties of merchantability, fitness for a particular purpose, title, or non-infringement. The presenters do not make any representation or warranty that the contents of this document are free from error, suitable for any purpose of any user, or that implementation of such contents will not infringe any third party patents, copyrights, trademarks or other rights. By making use of this document, the user assumes all risks and waives all claims against Presenters.

In no event shall Presenters be liable to user (or other person) for direct, indirect, special or consequential damages arising from or related to any use of this document, including, without limitation, lost profits, business interruption, loss of programs, or other data on your information handling system even if Presenters are expressly advised of the possibility of such damages.

Use of Documents in papiNet Implementations

Documents may be used as templates for a papiNet implementation. The Presenters grant the right to modify and edit them to fit an actual implementation project provided all copies display the copyright and any other proprietary notices contained in this document. Such modified documents must not be distributed beyond the trading partners implementing or maintaining a papiNet connection.

papiNet Standard

papiNet Standard - Version 2.31

Table of Contents

Copyright	2
Use of Documents in papiNet Implementations	2
Table of Contents	3
BookSpecification Documentation	4
BookSpecification e-Document Overview	4
The Scope of the BookSpecification e-Document.....	4
Business Rules for the BookSpecification e-Document	4
Processing the BookSpecification e-Document	6
Understanding the Diagrams and Content	8
papiNet Standard Root Element.....	10
BookSpecification.....	10
Primary Elements	13
SpecGeneral.....	13
SpecComponent	16
SpecAssembly	18
SpecBinding	20
SpecPacking.....	26
Business Scenarios	28
Scenario A	28
Scenario B	28
Scenario C	28
Scenario D	28
Scenario E	29
Scenario F	29
Scenario G	29
Scenario H	30
Scenario I	30
Scenario J	30

papiNet Standard

papiNet Standard - Version 2.31

BookSpecification Documentation

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.)

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)

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.

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

papiNet Standard

papiNet Standard - Version 2.31

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
Spec_001	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.
Spec_002	Purchase order instructions may vary from the BookSpecification e-Document and will be treated as an override associated solely with that PO.
Spec_003	[obsolete]
Spec_004	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.
Spec_005	Agency for the book specification e-Document is XBITS.
Spec_006	Changes to the spec can be initiated only by the buyer.

papiNet Standard

papiNet Standard - Version 2.31

Spec_007	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">• SpecBinding• SpecPackaging• SpecAssembly
-----------------	---

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-

papiNet Standard

papiNet Standard - Version 2.31

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.

papiNet Standard

papiNet Standard - Version 2.31

Understanding the Diagrams and Content

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

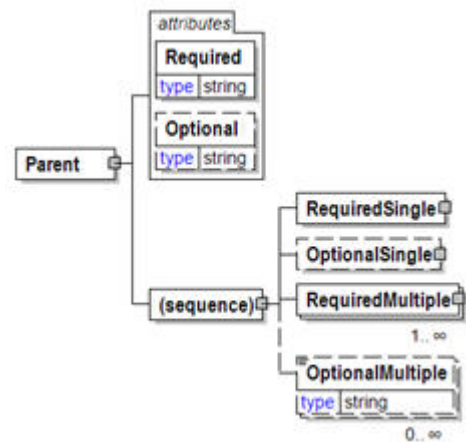
- The graphics contain elements, attributes, content model indicators, cardinality indicators, and data type information.
- Associated with each graphic are the definitions for the parent item and any associated child items. All attributes are listed first, followed by the elements.
- Children are grouped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

papiNet Standard

papiNet Standard - Version 2.31

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

papiNet Standard

papiNet Standard - Version 2.31

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).

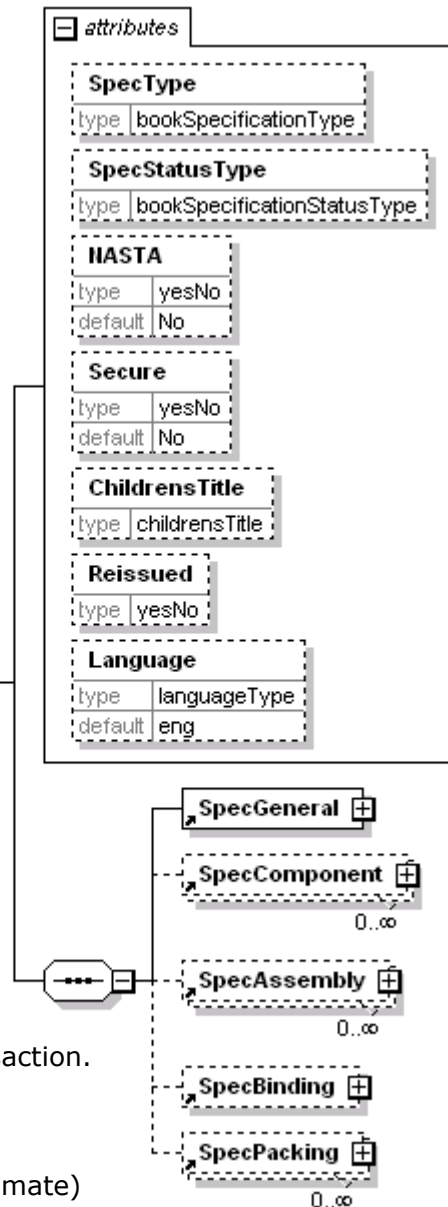
SpecStatusType [attribute]

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



papiNet Standard

papiNet Standard - Version 2.31

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

papiNet Standard

papiNet Standard - Version 2.31

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

(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.

papiNet Standard

papiNet Standard - Version 2.31

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.

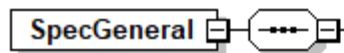
Construct is used to uniquely identify this BookSpecification.

- 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.



However when the document is a confirmation document, in which case the TransactionHistoryNumber refers to the trigger transaction for the confirmation.

SenderParty

SenderParty is optional. A single instance might exist.

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

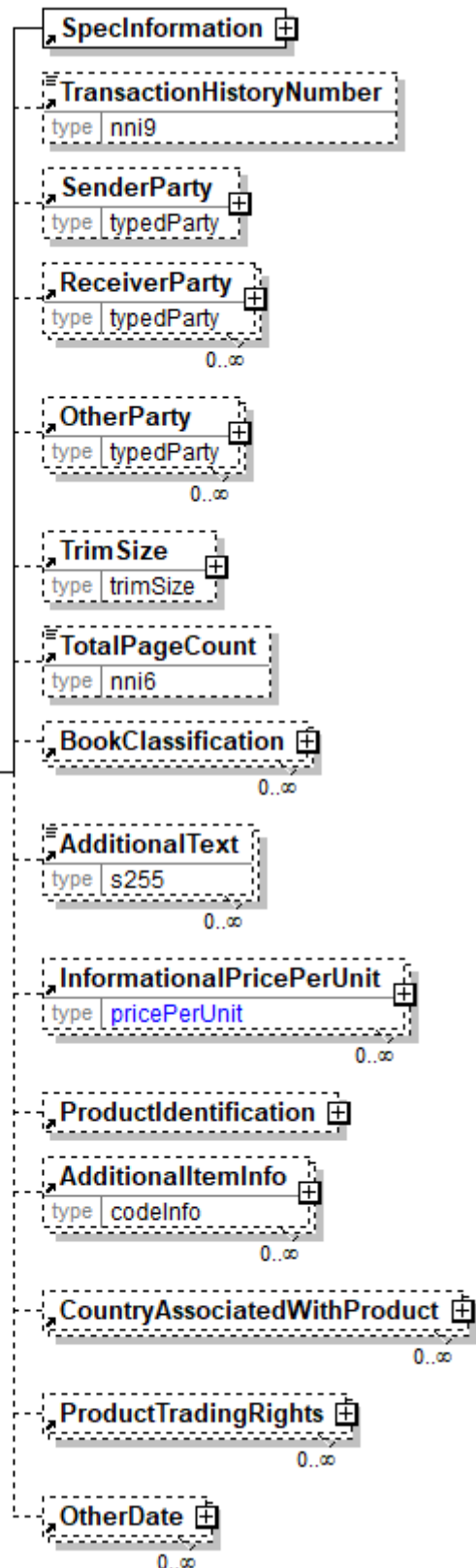
- The entity responsible for the content. If the sender party has outsourced the message service to a third party the SenderParty is the issuer of the e-Document and not the party performing the transmission service of the electronic message.

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 message service to a third party the ReceiverParty is the intended party for



papiNet Standard

papiNet Standard - Version 2.31

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

papiNet Standard

papiNet Standard - Version 2.31

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).

papiNet Standard

papiNet Standard - Version 2.31

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.

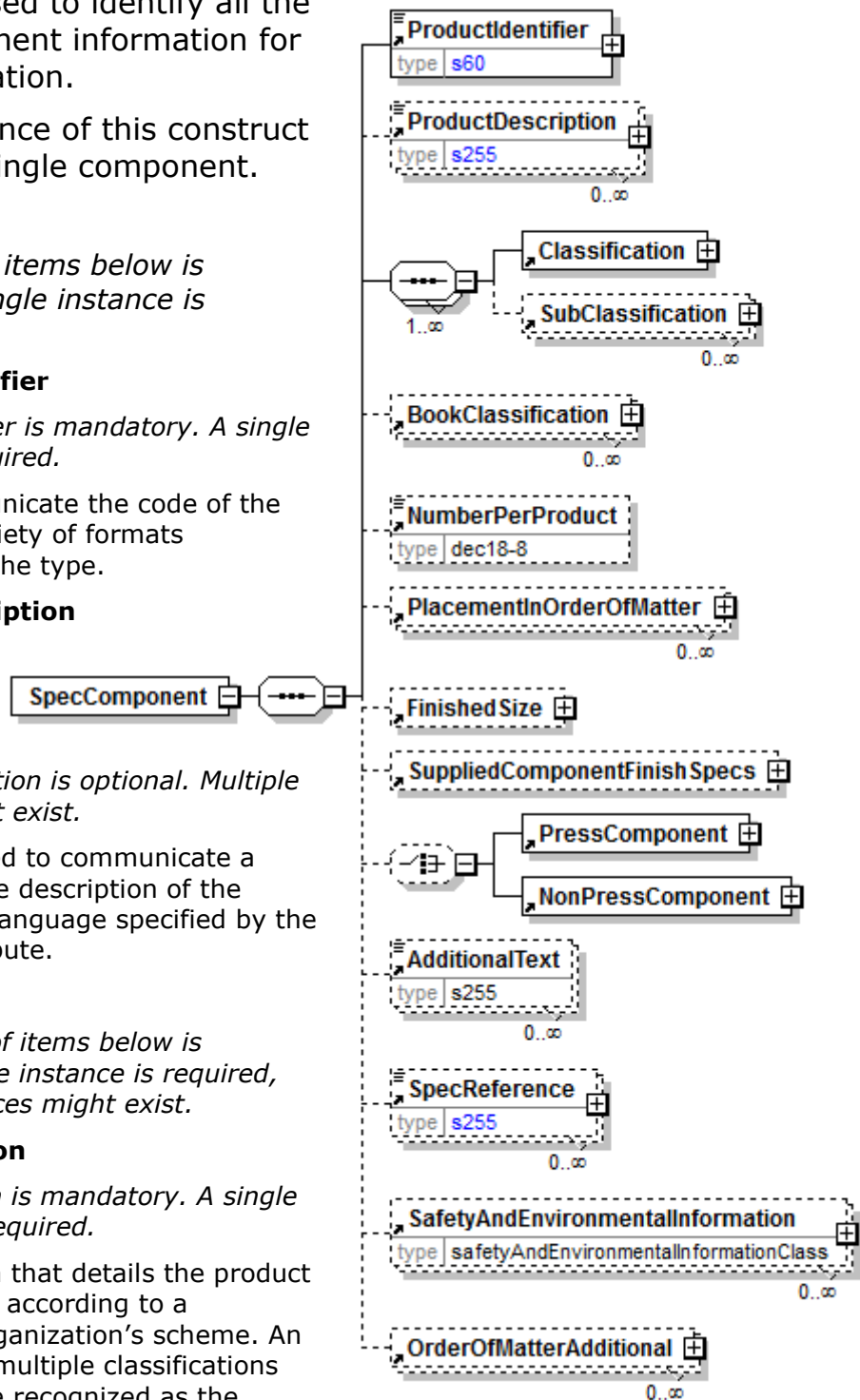
SubClassification

SubClassification is optional. Multiple instances might exist.

SubClassification provides additional classification information.

BookClassification

BookClassification is optional. Multiple instances might exist.



papiNet Standard

papiNet Standard - Version 2.31

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.

papiNet Standard

papiNet Standard - Version 2.31

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.

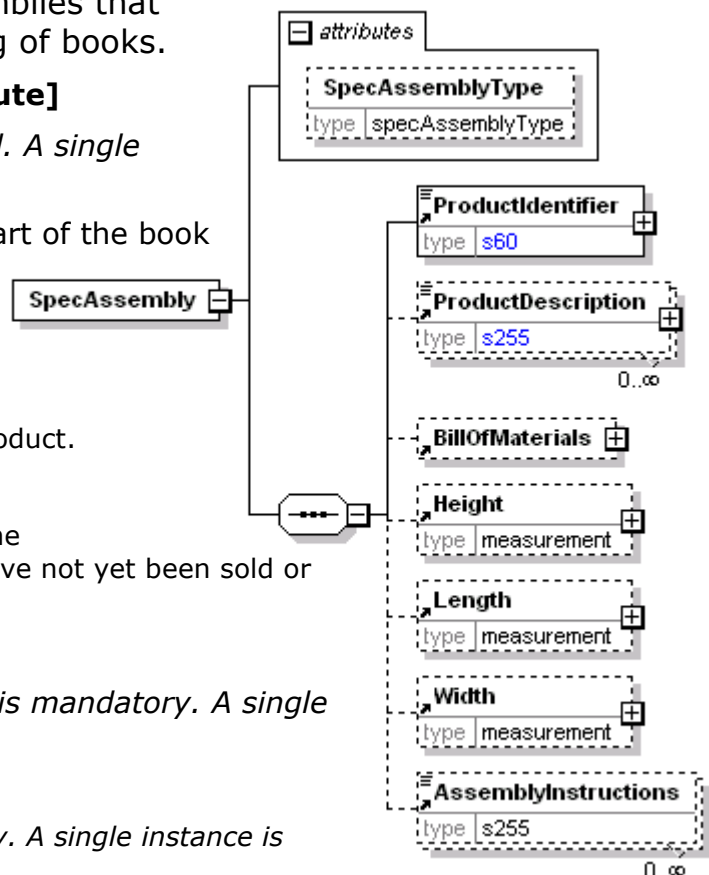
The length of the object.

Width

Width is optional. A single instance might exist.

The width of the object.

AssemblyInstructions



papiNet Standard

papiNet Standard - Version 2.31

AssemblyInstructions is optional. Multiple instances might exist.

Instructions for assembly.

papiNet Standard

papiNet Standard - Version 2.31

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.

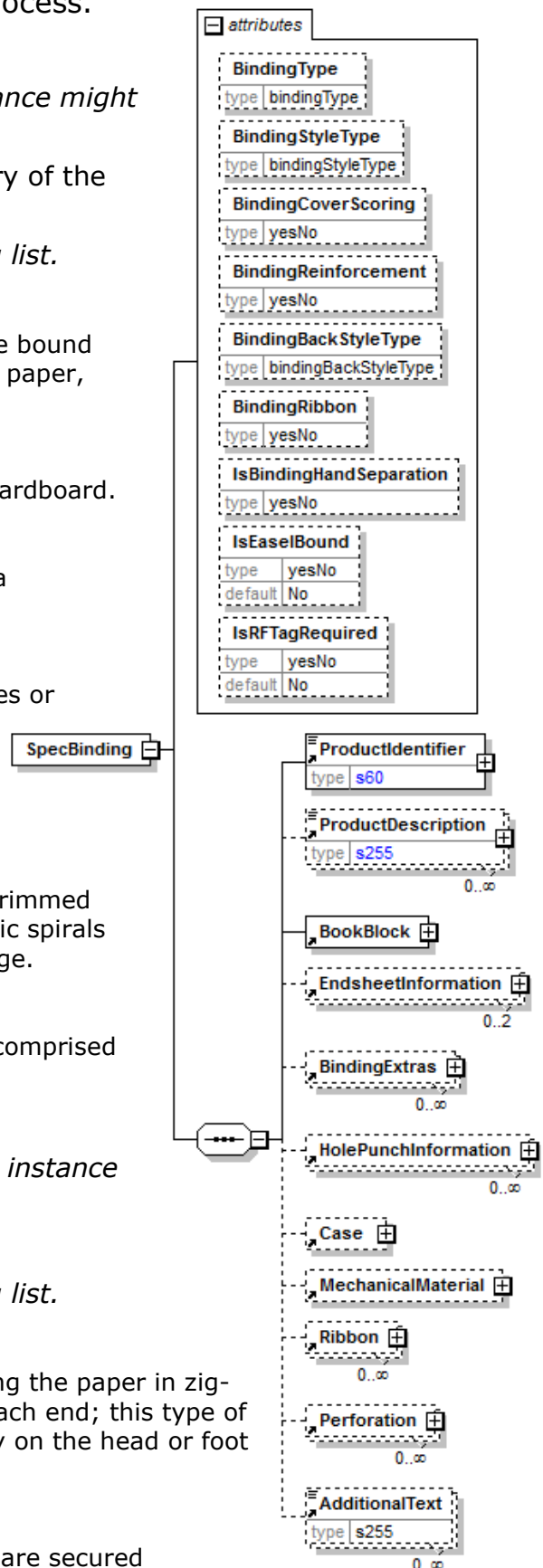
This item is restricted to the following list.

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.



papiNet Standard

papiNet Standard - Version 2.31

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

papiNet Standard

papiNet Standard - Version 2.31

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 binding 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.

papiNet Standard

papiNet Standard - Version 2.31

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

papiNet Standard

papiNet Standard - Version 2.31

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

papiNet Standard

papiNet Standard - Version 2.31

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.

papiNet Standard

papiNet Standard - Version 2.31

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]

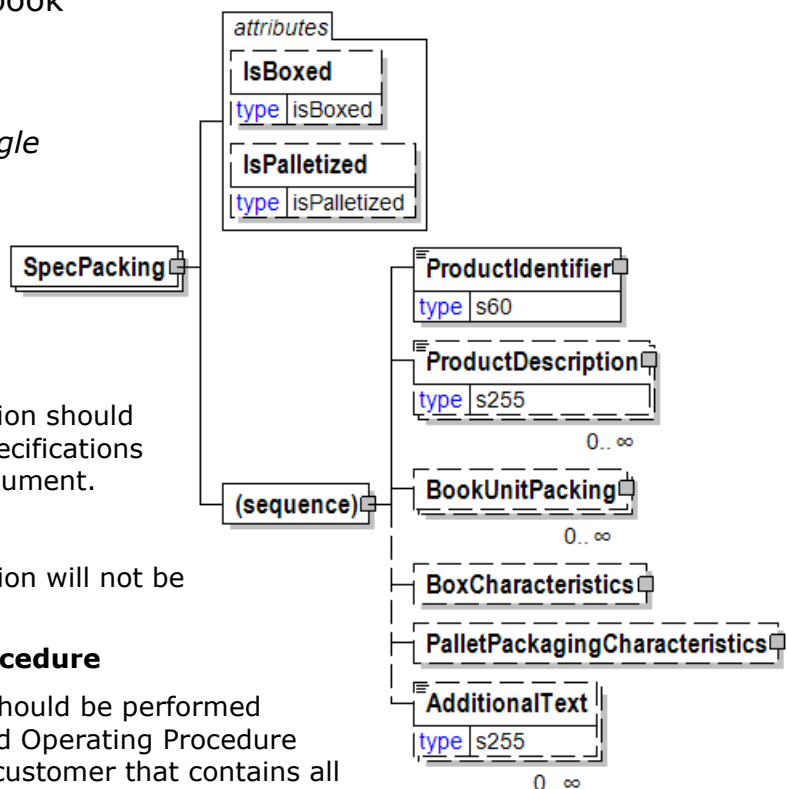
IsPalletized is optional. A single instance might exist.

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.



papiNet Standard

papiNet Standard - Version 2.31

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.

papiNet Standard

papiNet Standard - Version 2.31

Business Scenarios

Scenario A

Scenario	<p>Example of an educational text book with:</p> <ul style="list-style-type: none"> • spiral coated-wire binding • 10 7/8 x 12 1/16 inch trim size • 720 pages <ul style="list-style-type: none"> • the first 2 signatures print on 60 LB paper • the remaining on 45 pound <ul style="list-style-type: none"> • contains 3 printed tab-dividers <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>
Spreadsheet	BookSpecification_ScenarioA.xls
XML File	None

Scenario B

Scenario	<p>Example of an educational text book with:</p> <ul style="list-style-type: none"> • plastic-spiral binding • 10 x 12 inch trim size • 480 pages and a set of 6 tab-dividers. <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>
Spreadsheet	BookSpecification_ScenarioB.xls
XML File	BookSpecification_ScenarioB.xml

Scenario C

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

Scenario D

Scenario	Example of an educational Hardcover text book:
-----------------	--

papiNet Standard papiNet Standard - Version 2.31

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

Scenario E

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

Scenario F

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

Scenario G

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

papiNet Standard

papiNet Standard - Version 2.31

Scenario H

Scenario	Paperback book specification
Spreadsheet	None
XML File	BookSpecification_ScenarioH.xml

Scenario I

Scenario	Hardcover book specification, trade
Spreadsheet	None
XML File	BookSpecification_ScenarioI.xml

Scenario J

Scenario	Jacket Specification
Spreadsheet	None
XML File	BookSpecification_ScenarioJ.xml