



papiNet

**Global Transaction Standards
for the Paper Supply Chain**

Product Performance Documentation

Papinet Standard - Version 2.10

April 2003

Product Performance Documentation - papiNet Standard - Version 2.10

Copyright

Copyright 2000 – 2002 papiNet G.I.E (“papiNet”), International Digital Enterprise Alliance, Inc. (“IDEAlliance”), and American Forest & Paper Association, Inc. (“AF&PA”), 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 (formerly known as the European Paper Consortium for e-business - EPC), IDEAlliance (formerly known as the Graphic Communications Association - GCA), the parent organisation of IDEAlliance the Printing Industries of America (PIA), the American Forest and Paper Association (AF&PA), and the members of the papiNet Working Group (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.

Additional Copyright Information

Additional copyrights may be referenced throughout this document in the appropriate section.

Product Performance Documentation - papiNet Standard - Version 2.10

Table of Contents

Copyright	2
Use of Documents in papiNet Implementations	2
Additional Copyright Information	2
Message Documentation	5
The ProductPerformance Message	5
An Overview of the ProductPerformance Message.....	5
The Scope of the ProductPerformance Message.....	5
ProductPerformance Defect Discussion.....	6
Paper Web Breaks	6
Pulp Defects	7
Sheet Product Defects	7
Business Rules for ProductPerformance Message.....	8
General Business Rules.....	8
General Structure Rules.....	8
Processing the ProductPerformance Message	8
High-level UML Diagram of ProductPerformance	9
Overview of the ProductPerformance Schema Structure	10
ProductPerformance Graphical Overview	11
ProductPerformance Schema – Structure and Processing Logic.....	12
ProductPerformance Root.....	12
PerformanceMessageHeader.....	13
ProductPerformanceLineItem.....	14
ProductPerformanceSummary	15
Common Definitions Extract	16
AdditionalText.....	16
EndUserParty	16
Identifier	16
JobInformation.....	16
LocationParty	17
Machine	17
MillParty.....	17
OtherParty.....	18
PrintParameters	18
Product	19
ProductPerformanceConcerns	19
ProductPerformanceConditions	20
ProductPerformanceDate	20
ProductPerformanceIssueDate	20
ProductPerformanceLineItemNumber.....	20
ProductPerformanceNumber	20
ProductPerformanceReference	20
ReceiverParty.....	21
SenderParty.....	21
SupplierParty	21

Product Performance Documentation - papiNet Standard - Version 2.10

TermsAndDisclaimers	22
TotalInformationalQuantity	22
TotalNumberOfLineItems	22
TotalQuantity	23
Common Definition References – Attributes.....	24
ProductPerformanceReferenceType	24
ProductPerformanceStatusType	24
Reissued	29

Product Performance Documentation - papiNet Standard - Version 2.10

Message Documentation

The ProductPerformance Message

An Overview of the ProductPerformance Message

The ProductPerformance Message is a document created by the product consumer that communicates back to the manufacturer the performance of the product. This message will enable the manufacturer to focus on improvements related to product defects that create inefficiency during performance. The aggregation of performance factors by product will provide the mechanism for achieving the value aspect of the message. The goal is to keep the products of the Pulp & Paper Industry attractive to competing alternatives.

The Scope of the ProductPerformance Message

This Product Performance document will communicate both the successful or unsuccessful use of a product.

- For paper reel products the primary performance defects are web breaks. The focus is to identify defects directly related to the manufacturer.
- For other products, such as Pulp and sheeted paper, the primary ProductPerformance defects are still being identified.

This message is not intended for evaluation of the consumption process but instead for the usability of the product during the consumption process. This message's focus is product performance defects that are independent of consuming party factors.

The ProductPerformance message must include:

- unique message Number
- message issue date
- end user party
- supplier party
- item identifier (reel, pallet, bale, etc.)
- The conditions under which the performance was observed
- concern indicator (Y,N) on each item
- summary number of line items
- summary total quantity

The ProductPerformance message may include:

- web break information
- references to other documents

This information will trigger the supplier's internal process set to verify the reason of the problem, possible corrective actions to avoid its occurrence in the

Product Performance Documentation - papiNet Standard - Version 2.10

future and an evaluation whether the consumers perceived reason is correct or not.

Product Performance Defect Discussion

Paper Web Breaks

The Performance Defect related to reels is web breaks.

Web Breaks are unscheduled press stops. There are three basic cause categories:

1. Paper (supplier)
2. Press (end user)
3. Unknown (paper or press).

Paper and press causes are indisputable based on the physical evidence identified or an obvious press situation. Unknown causes remain unknown unless a pattern is established to suggest further investigation of a paper or press cause.

In the case of web rolls, supplier-caused web breaks are the primary focus. Information beneficial to determining the root cause is critical. The physical evidence, identifier (reel number) and reel break diameter are mandatory for root cause investigation. Upon identification of the defect from the physical evidence, frequency, the identifier (paper machine, super-calender, winder, month, day, time of manufacture), and reel break diameter¹ are used to determine the root cause. Defect prevention is performed using the aggregation of all printer defect data. The defects identified are not dependent upon end user or customer information.

Unknown causes have become the most frequent and challenging defect category to understand. Physical evidence is disintegrating on the winder, or because of faster presses in operation. Patterns (paper or press) may be detected if simple available information is collected.

The improvement in press information collection and the electronic communication of this data will benefit the analysis of Unknown web breaks. The simple available information for analyzing Unknown causes includes; identifier and corresponding reel break diameter, press number, and corresponding press break location.

If a paper related pattern is detected, the additional data aids the supplier in understanding their process and preventing future occurrences. If a press related pattern is detected, the additional data aids the consumer in understanding their process and preventing future occurrences.

¹ The diameter provides specific time in process on the winder, super-calender, and paper machine.

Product Performance Documentation - papiNet Standard - Version 2.10

Total performance information is not a requirement of the ProductPerformance message at this time. In the case of web reels, press related web breaks are not needed to determine paper defect root causes. However, consideration has been given to include press related web breaks as well as many other press and paper process levels (Press speed, tensions, inks, temperatures, paper machine speed, fibre orientation, tensile strength, etc.). The normal physical properties of a given grade and basis weight combination and the associated press may shed light on other factors that affect product performance. This is an area that will develop as other analytical tools are created.

It is important to note that the improvement of a supplier's product related to initial performance defect is not customer specific. In the case of web reels, there is no value to the supplier or end user to sort data by specific end user. Paper related web break defects are not dependent upon who purchased the reel containing the defect.

Sorting the data by end user does have merit when evaluating other performance criteria relevant to the particular customer.

Pulp Defects

At this time a strong industry group has not come forward with a request to support a performance message based on pulp performance. This is not to say this is not important to the industry except that resources were not available at this stage in the message development. A simple structure has been put into the message to accommodate basic pulp related performance factors and not negatively impact implementations that may have taken place. Additional enhancements for pulp can take place through the papiNet change control request process as a business case further defines the requirements.

Sheet Product Defects

At this time a strong industry group has not come forward with a request to support a performance message based on sheet performance. This is not to say this is not important to the industry except that resources were not available at this stage in the message development. A simple structure has been put into the message to position and accommodate sheet related performance factors when they are developed and not to negatively impact implementations that may have taken place. Additional enhancements for sheet products can take place through the papiNet change control request process as a business case further defines the requirements.

Product Performance Documentation - papiNet Standard - Version 2.10

Business Rules for ProductPerformance Message

General Business Rules

The following tables list the business rules that apply to the ProductPerformance Message.

Reference	Rule
PP001	Each ProductPerformance message will contain one or more line items.
PP002	Each detail line will contain at least one identified unit (reel id, pallet id, bale id, etc).
PP003	Each product performance line item will be identified as having or not having a defect.

General Structure Rules

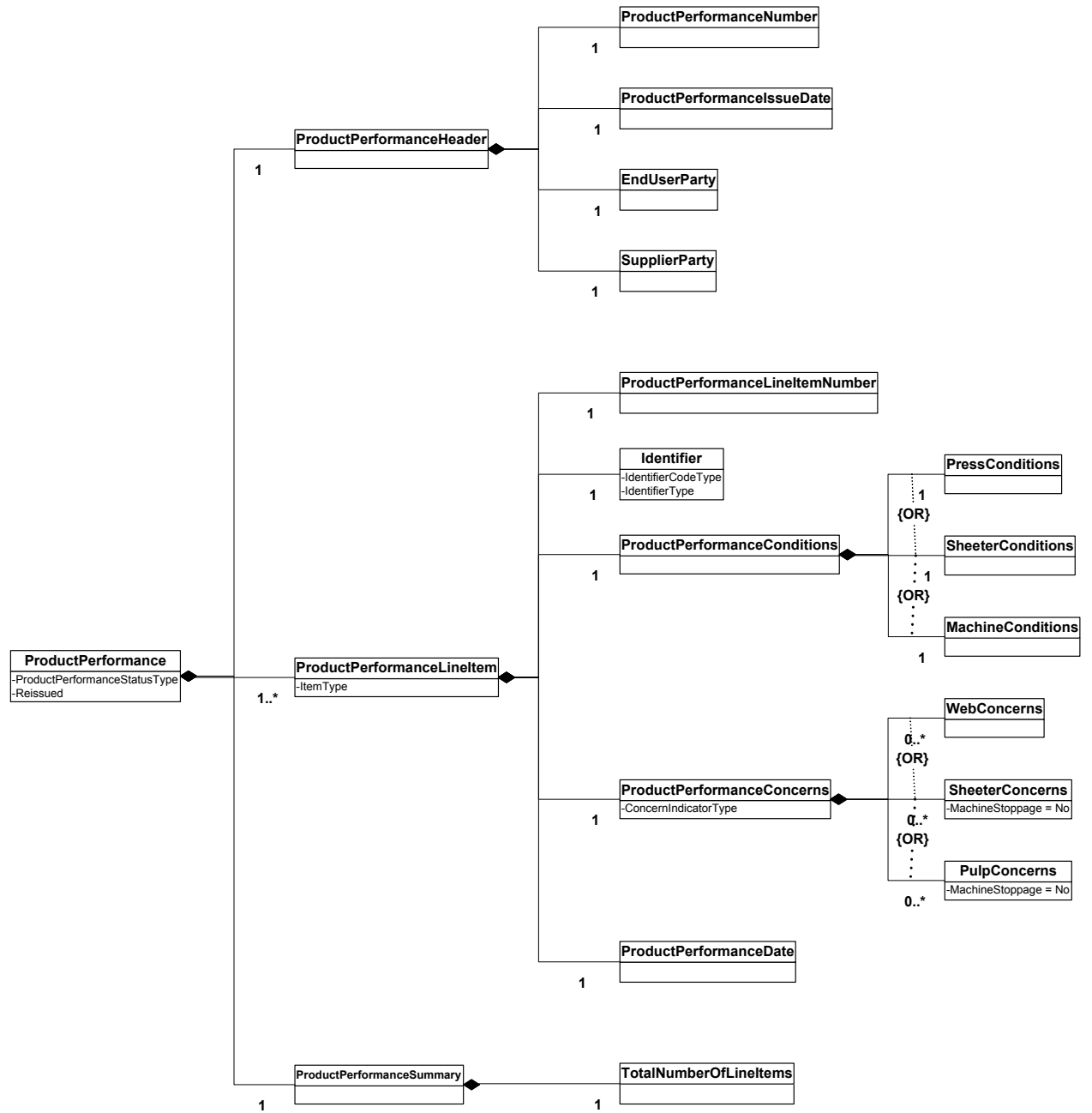
Reference	Rule
PP004	If ConcernIndicatorType = Yes than a defect must be selected.

Processing the ProductPerformance Message

A particular end user uses a product that can be individually identified. The specific period when the product is used is captured and during the process the reel is either processed with or without a performance concern. If there is a concern, additional data surrounding the concern is also captured. To aggregate data for proper analysis, it is important to collect performance data regardless of whether a defect occurs or not.

Product Performance Documentation - papiNet Standard - Version 2.10

High-level UML Diagram of ProductPerformance



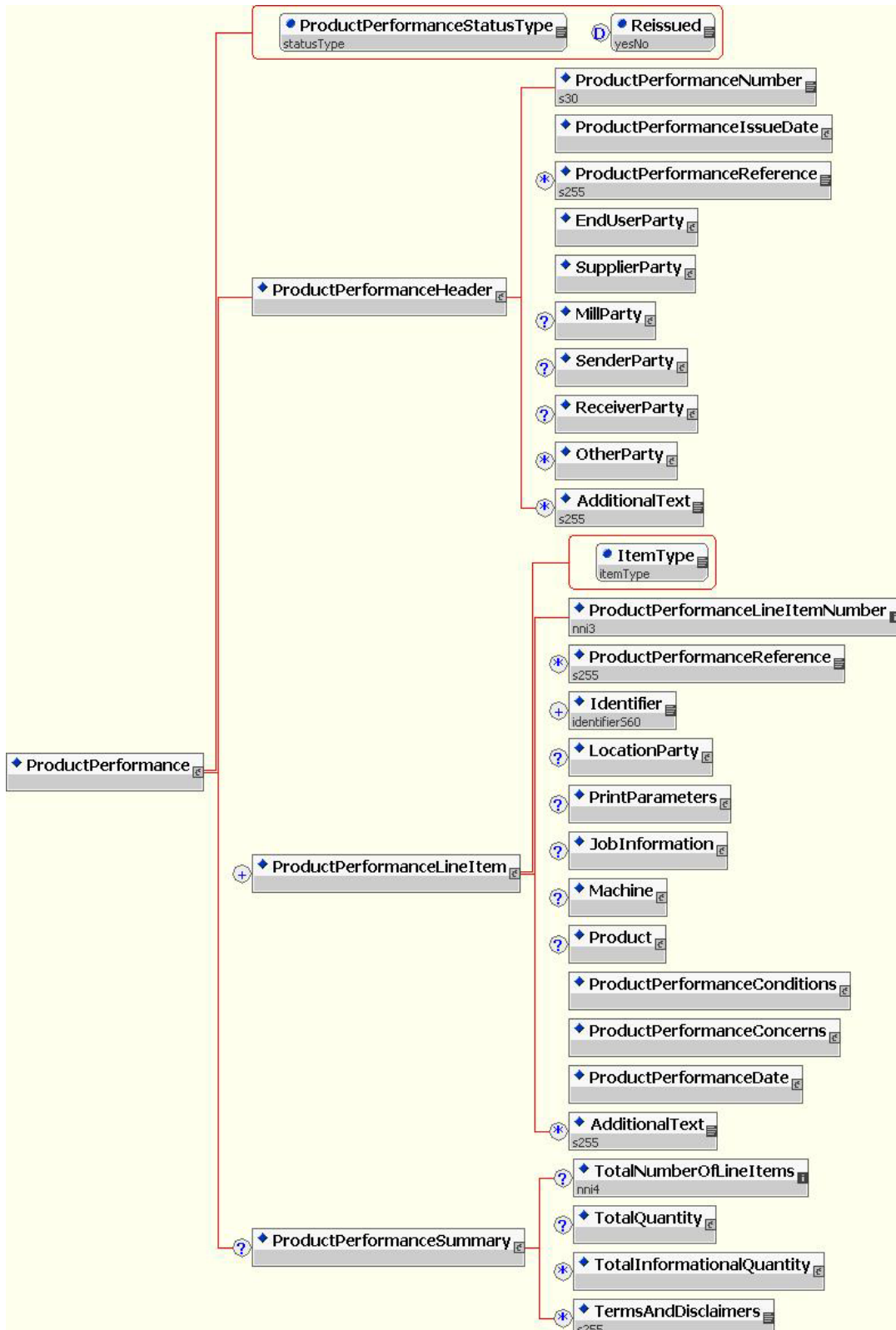
Product Performance Documentation - papiNet Standard - Version 2.10

Overview of the ProductPerformance Schema Structure

	Type	Required	Occurrence
ProductPerformance	Root	Required	Single
@ProductPerformanceStatusType	Attribute	Required	Single
@Reissued	Attribute	Optional	Single
ProductPerformanceHeader	Element	Required	Single
ProductPerformanceNumber	Element	Required	Single
ProductPerformanceIssueDate	Element	Required	Single
ProductPerformanceReference	Element	Optional	Multiple
EndUserParty	Element	Required	Single
SupplierParty	Element	Required	Single
MillParty	Element	Optional	Multiple
SenderParty	Element	Optional	Multiple
ReceiverParty	Element	Optional	Multiple
OtherParty	Element	Optional	Multiple
AdditionalText	Element	Optional	Multiple
ProductPerformanceLineItem	Element	Required	Multiple
@ItemType	Attribute	Required	Single
ProductPerformanceLineItemNumber	Element	Required	Single
ProductPerformanceReference	Element	Optional	Multiple
Identifier	Element	Required	Multiple
LocationParty	Element	Optional	Single
PrintParameters	Element	Optional	Single
JobInformation	Element	Optional	Single
Machine	Element	Optional	Single
Product	Element	Optional	Single
ProductPerformanceConditions	Element	Required	Single
ProductPerformanceConcerns	Element	Required	Single
ProductPerformanceDate	Element	Required	Multiple
AdditionalText	Element	Optional	Multiple
ProductPerformanceSummary	Element	Optional	Single
TotalNumberOfLineItems	Element	Optional	Single
TotalQuantity	Element	Optional	Single
TotalInformationalQuantity	Element	Optional	Multiple
TermsAndDisclaimers	Element	Optional	Single

Product Performance Documentation - papiNet Standard - Version 2.10

ProductPerformance Graphical Overview



Product Performance Documentation - papiNet Standard - Version 2.10

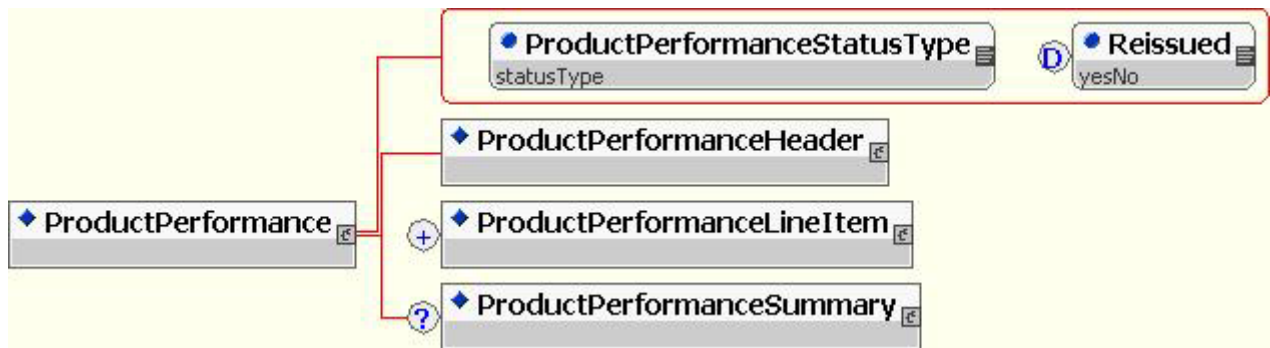
ProductPerformance Schema – Structure and Processing Logic

This section provides a detailed graphical view of the DTD structure. It also contains a review of the processing logic that is special to the ProductPerformance message, and links to the common element and attribute glossary entries.

The graphical display of the DTD contains occurrence indicators that are XML standards. These indicators appear to the left of element boxes in DTD graphics, and they have the following meanings:

- (Blank) Required, single instance
- (+) Required, multiple instances
- (?) Optional, single instance
- (*) Optional, multiple instances

ProductPerformance Root



ProductPerformance has a required attribute that determines the status of the message being communicated:

- [ProductPerformanceStatusType](#)
 - ◇ Original
 - ◇ Replaced
- [Reissued](#) attribute is optional.

ProductPerformance contains the following elements:

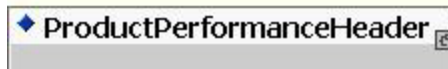
- [ProductPerformanceHeader](#)
- [ProductPerformanceLineItem](#)
- [ProductPerformanceSummary](#)

Product Performance Documentation - papiNet Standard - Version 2.10

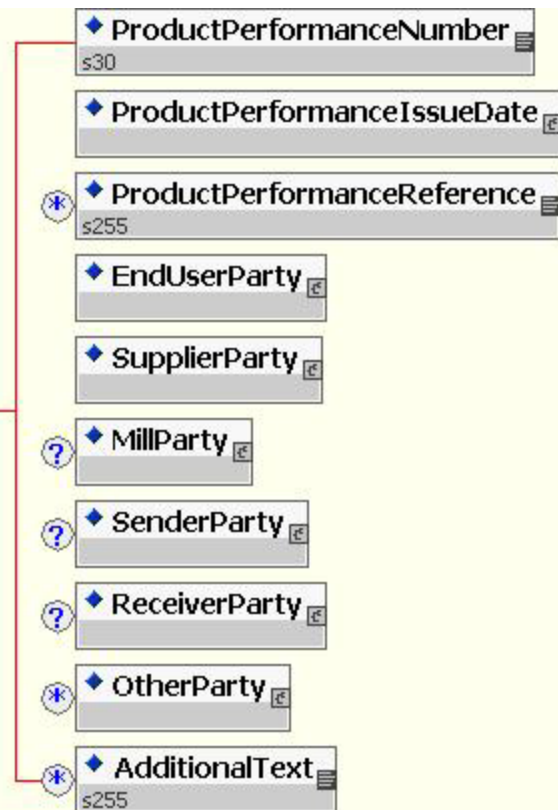
PerformanceMessageHeader

A single ProductPerformanceHeader is required. The ProductPerformanceHeader contains the following elements:

- [ProductPerformanceNumber](#)
- [ProductPerformanceIssueDate](#)
- [ProductPerformanceReference](#)
- [EndUserParty](#)
- [SupplierParty](#)



- [MillParty](#)
- [SenderParty](#)
- [ReceiverParty](#)
- [OtherParty](#)
- [AdditionalText](#)



Product Performance Documentation - papiNet Standard - Version 2.10

ProductPerformanceLineItem

Multiple

ProductPerformanceLineItem instances are allowed; at least one is required.

Each line contains the following attribute:

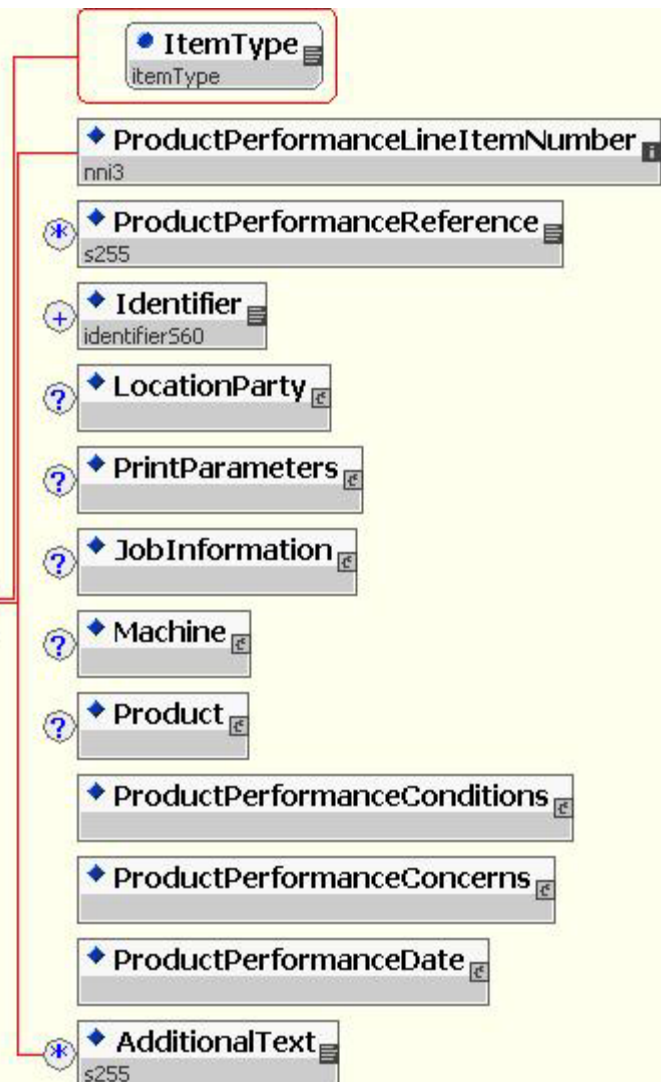
- ItemType

Each line contains the following elements:

- [ProductPerformance-LineItemNumber](#)
- [ProductPerformance-Reference](#)

ProductPerformanceLineItem

- [Identifier](#)
- [LocationParty](#)
- [PrintParameters](#)
- [JobInformation](#)
- [Machine](#)
- [Product](#)
- [ProductPerformance-Conditions](#)
- [ProductPerformance-Concerns](#)
- [ProductPerformanceDate](#)
- [AdditionalText](#)



Product Performance Documentation - papiNet Standard - Version 2.10

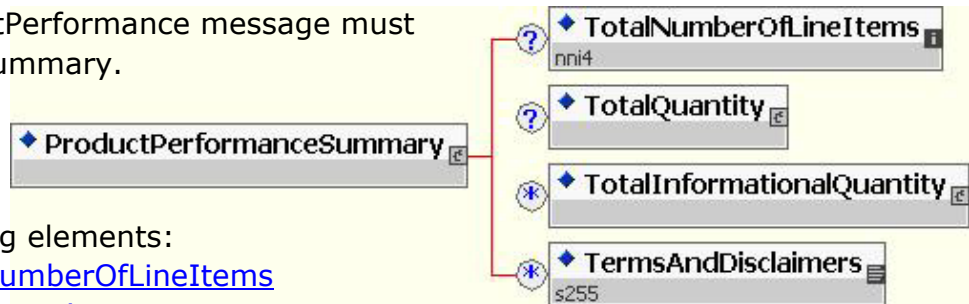
ProductPerformanceSummary

The ProductPerformance message must contain a summary.

The summary contains

the following elements:

- [TotalNumberOfLineItems](#)
- [TotalQuantity](#)
- [TotalInformationalQuantity](#)
- [TermsAndDisclaimers](#)



papiNet Standard - Version 2.10

Product Performance Documentation

Common Definition References - Elements

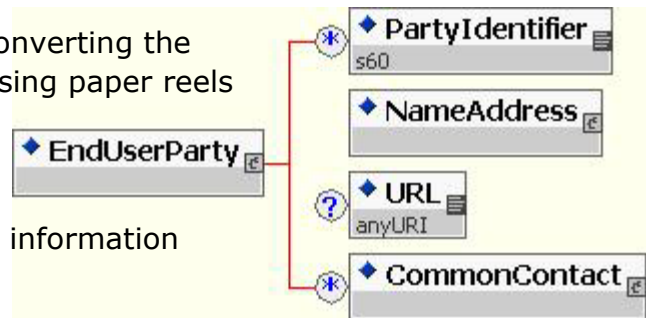
AdditionalText

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. This element is repeatable and limited to the number of characters that would normally fit across a page.



EndUserParty

The party using, consuming, or converting the product. For example, a printer using paper reels for a print job for a publisher. The final ShipTo destination for a product is normally to the end user's facilities. Refer to [Party](#) for information about the structure.



Identifier

An Identifier



is required for pallets, multi-reels, boxes, reams, or reels. The Identifier element contains the actual item identifier code. Identifier is repeatable so more than one identifier can be communicated. For example, the printed identifier on a label may be different from the barcode printed on the label.

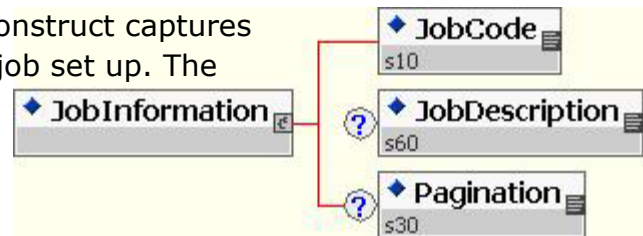
Identifier has two attributes:

- [IdentifierCodeType](#)
- [IdentifierType](#)

JobInformation

JobInformation is optional. This construct captures information specific to the entire job set up. The following options are used.

- JobCode
- JobDescription
- Pagination



papiNet Standard - Version 2.10

Product Performance Documentation

LocationParty

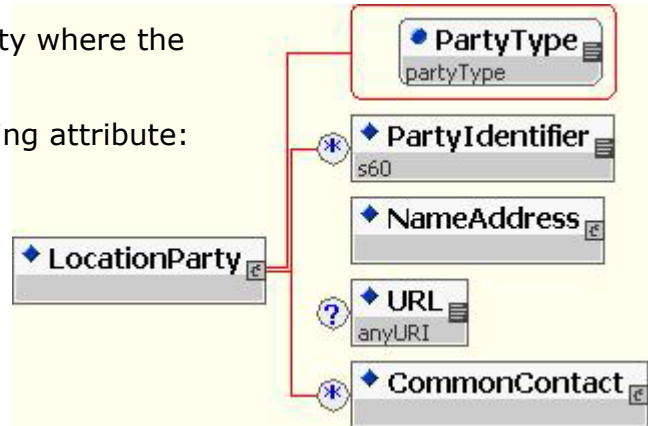
The organization or business entity where the product event take place.

LocationParty contains the following attribute:

- [PartyType](#)

It also contains the following elements:

- [PartyIdentifier](#)
- [NameAddress](#)
- [URL](#)
- [CommonContact](#)

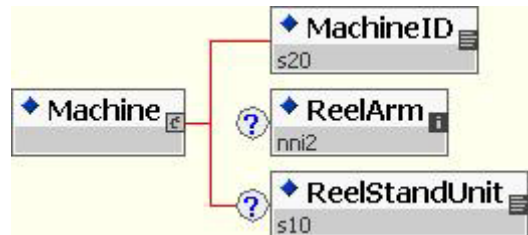


LocationParty is based on the [Party](#) element group.

Machine

Machine is used to capture information specific to the particular machine used in the conversion or consumption process.

- MachineID
- ReelArm
- ReelStandUnit

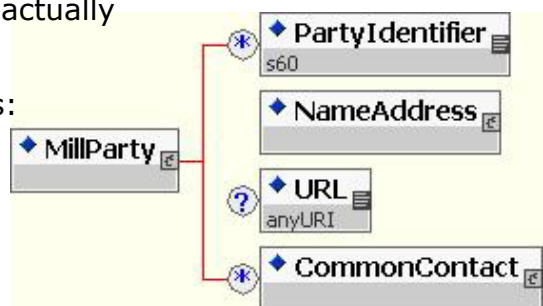


MillParty

The organisation or business entity that actually produces the paper product.

MillParty contains the following elements:

- [PartyIdentifier](#)
- [NameAddress](#)
- [URL](#)
- [CommonContact](#)



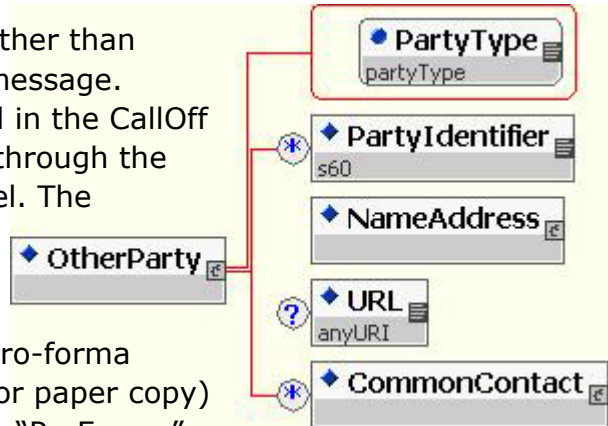
papiNet Standard - Version 2.10

Product Performance Documentation

OtherParty

An organisation or business entity other than those specifically detailed within a message.

- CallOff - If a carrier is specified in the CallOff message, this should be done through the CarrierParty on the header level. The PartyType "Carrier" should not be used.
- Invoice - The seller may generate multiple copies of a pro-forma invoice and a copy (electronic or paper copy) sent to the OtherParty that has "ProForma" assigned to the PartyType attribute.



OtherParty contains the [PartyType](#) attribute.

OtherParty contains the following elements:

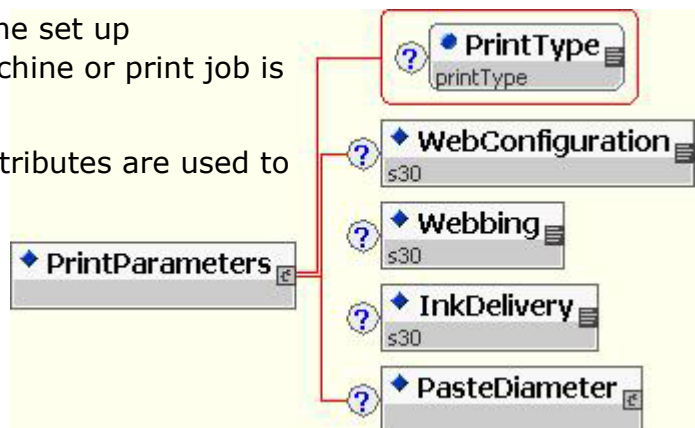
- [PartyIdentifier](#)
- [NameAddress](#)
- [URL](#)
- [CommonContact](#)
 - ✧ Refer to [Party](#) for additional information

PrintParameters

PrintParameters is optional. The set up parameters of how a print machine or print job is within this construct.

The following elements and attributes are used to capture this information:

- PrintType
- WebConfiguration
- Webbing
- InkDelivery
- PasteDiameter



papiNet Standard - Version 2.10

Product Performance Documentation

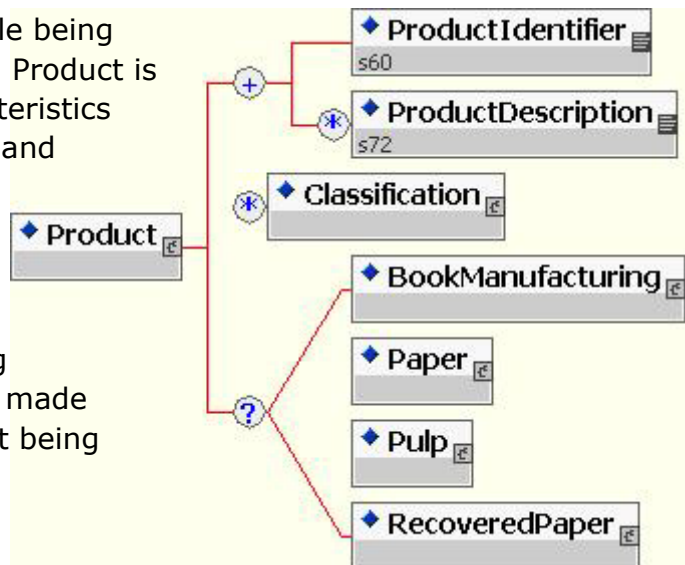
Product

A group item defining the article being ordered and its characteristics. Product is used to specify product characteristics organized by ProductIdentifier and Classification.

- [ProductIdentifier](#)
- [ProductDescription](#)
- [Classification](#)

A choice of one of the following "market-segment" elements is made based upon the type of product being ordered.

- [BookManufacturing](#)
- [Paper](#)
- [Pulp](#)
- [RecoveredPaper](#)



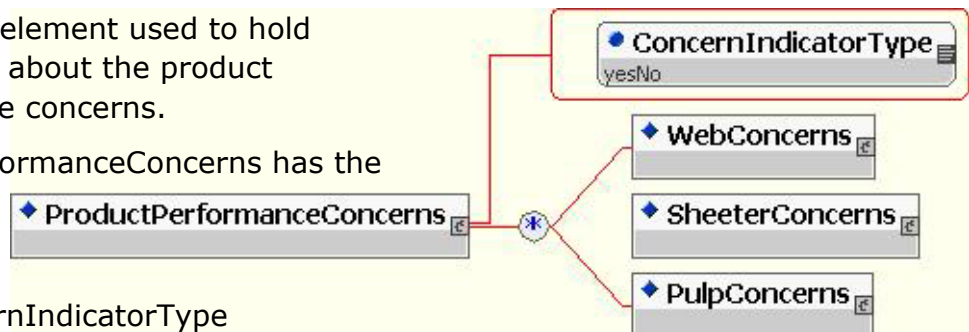
Pulp and Paper are the only products whose characteristics and conversion features have been implemented in papiNet. Recovered Paper and Book Manufacturing are in process and additional product types are under consideration based upon user input.

ProductPerformanceConcerns

A grouping element used to hold information about the product performance concerns.

ProductPerformanceConcerns has the following attribute:

- ConcernIndicatorType



ProductPerformanceConcerns contains the following elements:

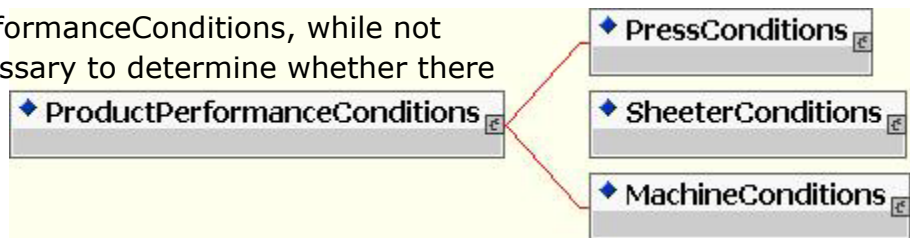
- WebConcerns
- SheeterConcerns
- PulpConcerns

papiNet Standard - Version 2.10

Product Performance Documentation

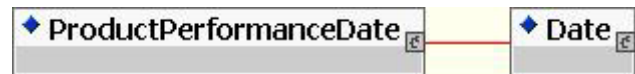
ProductPerformanceConditions

The ProductPerformanceConditions, while not absolutely necessary to determine whether there is a product concern is available.



ProductPerformanceDate

The date the message was measured.



ProductPerformanceIssueDate

The date the message was issued.



ProductPerformanceLineItemNumber

The line item identifying the one line being communicated from the Printer to Supplier.



ProductPerformanceNumber

The report number used to identify the entire message.



ProductPerformanceReference



Reference back to another business document.

papiNet Standard - Version 2.10

Product Performance Documentation

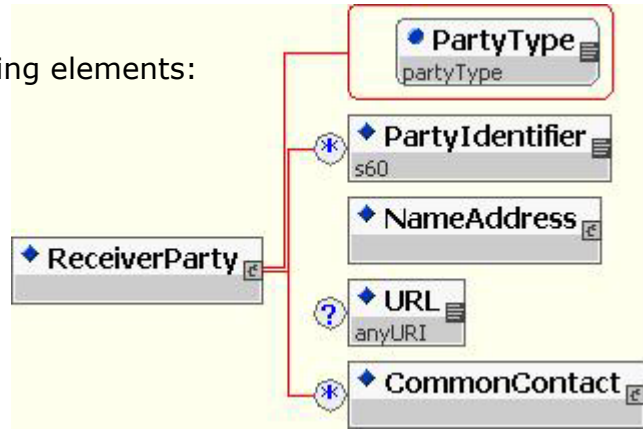
ReceiverParty

The party for whom the information (message) is intended, typed by the attribute [PartyType](#).

ReceiverParty contains the following elements:

- [PartyIdentifier](#)
- [NameAddress](#)
- [URL](#)
- [CommonContact](#)

Refer to [Party](#) (in the Glossary) for additional information.



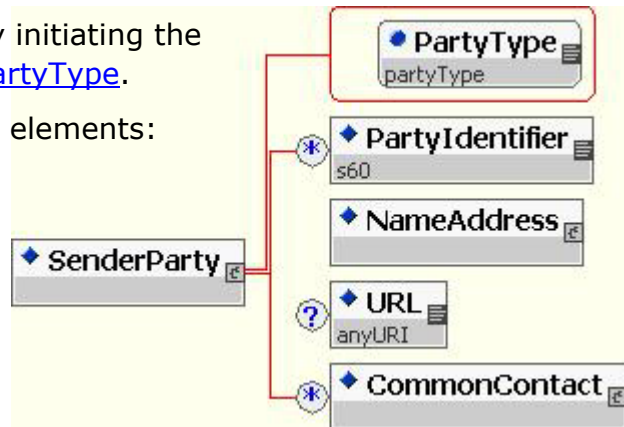
SenderParty

The organisation or business entity initiating the message, typed by the attribute [PartyType](#).

SenderParty contains the following elements:

- [PartyIdentifier](#)
- [NameAddress](#)
- [URL](#)
- [CommonContact](#)

Refer to [Party](#) (in the Glossary) for additional information.



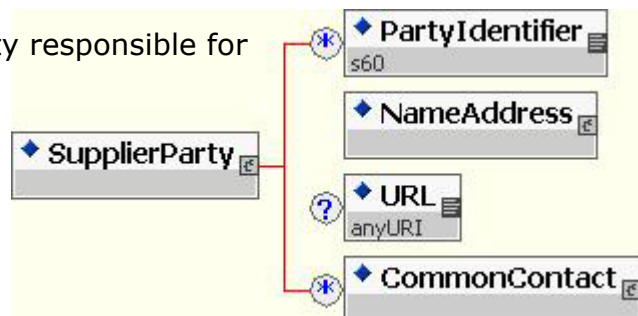
SupplierParty

The organisation or business entity responsible for providing the product.

SupplierParty contains the following elements:

- [PartyIdentifier](#)
- [NameAddress](#)
- [URL](#)
- [CommonContact](#)

Refer to [Party](#) for additional information



papiNet Standard - Version 2.10

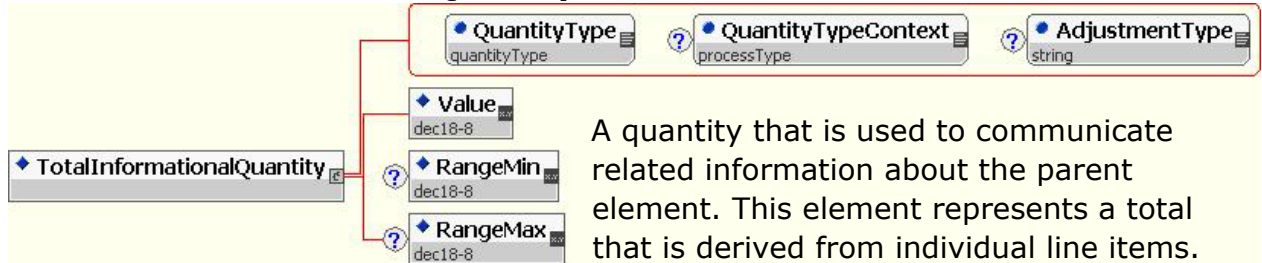
Product Performance Documentation

TermsAndDisclaimers

A repeatable element that contains legal information with an indication of what the [Language](#) is.



TotalInformationalQuantity



A quantity that is used to communicate related information about the parent element. This element represents a total that is derived from individual line items.

TotalInformationalQuantity contains the following attributes:

- [QuantityType](#)
- [QuantityTypeContext](#)
- [AdjustmentType](#)

TotalInformationalQuantity contains the following elements:

- [Value](#)
- [RangeMin](#)
- [RangeMax](#)

TotalNumberOfLineItems

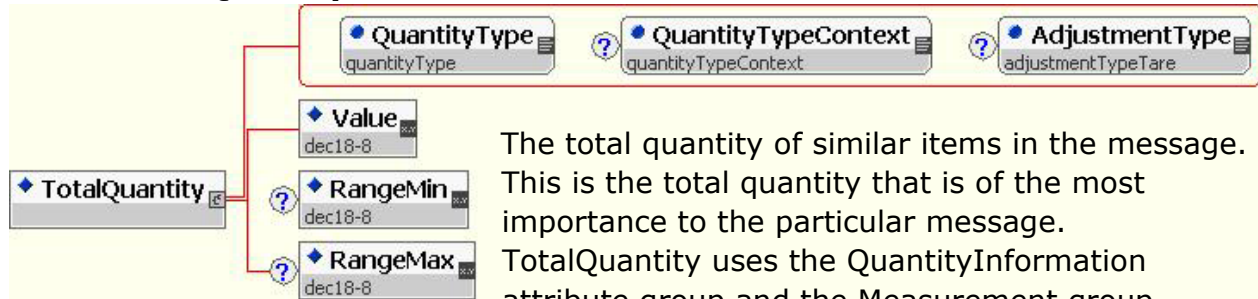
The total number of individual line items in the message.



papiNet Standard - Version 2.10

Product Performance Documentation

TotalQuantity



(element grouping).

TotalQuantity uses the following attributes:

- [QuantityType](#)
- [QuantityTypeContext](#)
- [AdjustmentType](#)

TotalQuantity uses the following elements:

- [Value](#)
- [RangeMin](#)
- [RangeMax](#)

papiNet Standard - Version 2.10

Product Performance Documentation

Common Definition References – Attributes

ProductPerformanceReferenceType

Used in:

- ProductPerformanceReference

Choices:

- BillOfLadingNumber | CallOffNumber | CIMNumber | CMRNumber | ContractLineNumber | ContractNumber | CustomerReferenceNumber | DeliveryBookingNumber | DespatchInstructionNumber | IndentOrderNumber | InitialShipmentAdviceNumber | IntraStatNumber | ISODocumentReference | JobNumber | LotIdentifier | MasterBillOfLading | MillOrderLineItemNumber | MillOrderNumber | OriginalDeliveryNumber | OriginalInvoiceNumber | RunNumber | StockOrderNumber | SupplierCallOffNumber | SupplierReferenceNumber | SupplierVoyageNumber | Title | WarehouseDeliveryNumber | Other

ProductPerformanceStatusType

Used in:

- ProductPerformance

Choices:

- **Original**
- **Replaced**

referenceType

Provides a contextual explanation of the specific reference identifier

- **AccountNumber** - The unique reference number given to a financial account of the party involved in the transaction.
- **Author** - Name of the author of the product or book.
- **AudioVideoSelectionNumber** – Unique number given to every audio master. Used by duplicators and replicators.
- **BillOfLadingNumber** - The unique reference number given to a bill of lading document given to the carrier transporting the product; the bill of lading is a legal document that lists all the products that are being transported.
- **BookLanguage** – Language of the text of the book.
- **BuyerBudgetCenter** – Buyers internal cost-centre identifier.
- **BuyerClaimNumber** – A number assigned by the buyer to track their claim.

papiNet Standard - Version 2.10

Product Performance Documentation

- **BuyerDivisionIdentifier** – Buyer’s internal division identifier.
- **BuyerImprint** – Identifies which publisher’s imprint to which this product belongs.
- **BuyerRetailPrice** – Cover price of the finished product.
- **CallOffLineItemNumber** – The specific line item number for the Call-Off.
- **CallOffNumber** - The unique reference number given to a call-off message. The call-off number of a previously sent call-off message can be referenced. For example, a seller can refer to a call-off number in a delivery message.
- **CIMNumber** - The unique reference number given to an international freight document for rail transport.
- **CMRNumber** - The unique reference number given to an international freight document for road transport.
- **ComplaintNumber** – The reference number associated with a complaint.
- **ComplaintResponseNumber** – The reference number associated with a complaint response.
- **ContractLineNumber** - A particular line number of a contract. Note: To reference a contract line number, the seller or buyer must include a clear reference to the corresponding contract elsewhere in the message.
- **ContractNumber** - The unique reference number given to a mutual commercial/trading agreement between a buyer and a seller. The agreement can cover a quote, a bid, a contract, pricing, invoicing, and/or payment terms.
- **ConvertingReportNumber** – An identifier used to communicate which converting report is being referred to.
- **Copyright** – The year of publication copyright.
- **CreditDebitNoteNumber** – The number of the referenced Credit or Debit Note.
- **CustomerBookingNumber** – The customer’s number for the transit booking used to reference lines to be co-loaded on the same transport.
- **CustomerJobNumber** – an identifier for a specific job or task to which the forecast data is to apply, along with location and item.
- **CustomerJobTitle** – a name of a specific job or task to which the forecast data is to apply, along with location and item.
- **CustomerReferenceNumber** - A unique informational reference number passed on from the buyer to the seller. This number is meaningful only to the buyer.
- **DeliveryBookingNumber** – A number issued by the customer to schedule deliveries at their site.
- **DeliveryLocation** – The location to which product is to be delivered.

papiNet Standard - Version 2.10

Product Performance Documentation

- **DespatchInformationNumber** -
- **DespatchInstructionNumber** – The unique reference number of the despatch instruction document. For example the despatch instructions sent from the mill to the warehouse.
- **Edition** – Buyer’s description of the version of the product edition. For example in book manufacturing values might be 2nd, Texas, Revised.
- **EndCallOffDate** – The last date that a call-off can be placed.
- **FormType** – type of printed signature. For book manufacturing, could be web, sheet, folded and gathered sig.
- **FromPurchaseOrderNumber** – The purchase order that is used as the source of information.
- **GoodsReceiptNumber** – The number of the goods receipt transaction that is being referred to.
- **IndentOrderNumber** - A unique reference number given to an order, which is to be delivered directly to the buyer’s own customer (typically a paper merchant). The reference value is passed from the buyer to the seller and the information content is meaningful only to the buyer.
- **InitialShipmentAdviceNumber** - The unique reference number given to an initial shipment advice message. The number of a previously sent initial shipment advice message can be referenced. For example, a seller can refer to an initial shipment advice number in a delivery message.
- **IntraStatNumber** The unique reference number given to product groups by the international authority Intrastat for statistical purposes. This number must be on the invoice when importing or exporting goods.
- **ISBN10** – 10 digit ISBN code without dashes
- **ISBN10Dash** – 10 digit ISBN code with dashes
- **ISBN13** – 13 digit ISBN code.
- **ISODocumentReference** -- A unique ISO 9002 / 9001 document identifier.
- **IssueEvent** – A task, or other type of event, related to the creation of an issue of a publication.
- **JobNumber** – An identifier for a step in the production, publication, or manufacturing process. Usually a job has as its scope the amount of work performed by a defined resource (person or equipment).
- **LotIdentifier** – A unique code used to identify a grouping of product with one set of quality statistics common to all members of that group.
- **MarketplaceReferenceNumber** – A number used by the marketplace to identify the information.
- **MasterBillOfLading** - The unique reference number given to a master bill of lading document, which contains multiple bills of lading. This is a legal document given to the carrier that transports the goods to

papiNet Standard - Version 2.10

Product Performance Documentation

multiple customers, each of which then receive a unique bill of lading document.

- **MasterContractNumber** – Contract number that is broader in terms of doing business between partners which for the book industry may, or may not include pricing.
- **MillOrderLineItemNumber** – The line number associated with the Mill Order Number.
- **MillOrderNumber** - The unique reference number created by the mill to identify a specific lot of paper with the same paper characteristics. This number may be used to identify a mill's internal order number, corresponding to all, or part of a buyer's purchase order.
- **MillSalesOfficeNumber** – The number used to identify the Mill's sales office.
- **OrderPartyReferenceNumber** – Reference number of the original order party.
- **OriginalComplaintResponseNumber** - Reference number of the original ComplaintResponse.
- **OriginalDeliveryNumber** - The unique reference number given to a delivery message number sent previously that has been replaced in the meantime.
- **OriginalGoodsReceiptNumber** – The original unique identifier of the GoodsReceipt that is to be replaced.
- **OriginalInvoiceNumber** - The unique reference number given to an invoice message number sent previously that has been replaced in the meantime.
- **OriginalPurchaseOrderNumber** - The unique reference number given to a purchase order message number sent previously that has been replaced (through amendment or cancellation) in the meantime.
- **OriginalUsageNumber** – The unique reference number given to a usage message previously sent that has been replaced (through amendment or cancellation) in the meantime.
- **Other** - Used for any other reference that is not covered by this attribute list.
- **PackageNumber** - The unique reference number given to a manufacturer's product packaging designation.
- **PriceContractNumber** – Contract number that is specific to pricing.
- **PriceList** – The number used to identify the price list.
- **PrintingNumber** – Buyer's reference to the sequential print run number.
- **PubName** – The publication name.
- **PubNumber** – The publication number.
- **PupilsTeachers** – Description of the pupils/teachers edition specific to educational book products.

papiNet Standard - Version 2.10

Product Performance Documentation

- **PurchaseOrderLineItemNumber** – a sequential number that uniquely identifies the purchase order line item.
- **PurchaseOrderNumber** - The unique reference number given to a purchase order message. The purchase order number of a previously sent order can be referenced. For example, a seller can refer to a purchase order number in an invoice message.
- **ReleaseNumber** - The unique sequential number given to the release of a reservation order, a contract, or a blanket order. Note: To reference a release number, the buyer or seller must have clearly referenced the corresponding purchase order elsewhere in the message.
- **RFQLineItemNumber** – The number used to identify the RFQ line item.
- **RFQNumber** – The identifier of the RFQ. Usually provided when opening a purchase order that is derived from a request for quote (RFQ).
- **RunNumber** - The unique reference number given to a paper-manufacturing slot on the mill production line (for example, paper machine or sheet cutter). Paper for several orders is manufactured in one run before resetting the machines for new manufacturing results.
- **SchoolGrade** – Grade level indicator of the book product, specific to educational text books such as grade 3. (K=Kindergarten, 1 through 12, CO=College)
- **SchoolGradeLevel** – Further definition of the Grade level of the book product, specific to educational text books such as grade 3 level A.
- **ShippingInstructionsLineItemNumber** – Line number reference of the shipping instruction for book shipments.
- **ShippingInstructionsNumber** – Sequential message number of the shipping instruction.
- **SpecificationReferenceNumber** – Buyer’s version number of the book specification.
- **StockOrderNumber** - The unique reference number given to an order, which is to be delivered to the buyer’s designated stock location (typically a paper merchant). The reference value is passed from the buyer to the supplier and the information content is meaningful only to the buyer.
- **SupplierCallOffNumber** – A number assigned by the supplier to the call-off created by the customer.
- **SupplierClaimNumber** – The number assigned by the supplier to identify a claim.
- **SupplierReferenceNumber** - The unique reference number created by the seller in response to a purchase order. This number, sent in the

papiNet Standard - Version 2.10

Product Performance Documentation

seller's order confirmation message, can correspond to all or part of a mill order number versus a run number.

- **SupplierVoyageNumber** - The unique seller's reference number (own internal code) given to a voyage, not the port authority's number.
- **Title** – Proper title of a book product.
- **TitleAlias** – Buyer supplied title description for book products, usually used for security purposes.
- **ToPurchaseOrderNumber** – The destination of purchase order information.
- **UniversalProductIdentifier** – Unique identifier for the book, component of a book product, and many other products.
- **UsageNumber** – The number used to identify the Usage activity being referred to.
- **VendorReferenceNumber** – A unique number created by the Vendor for the information.
- **WarehouseDeliveryNumber** – Alternate delivery number when the warehouse uses secondary documents to manage despatch, e.g. Third Party managed warehouse with their own system.

Reissued

Reissued is an optional attribute that indicates whether the document is an original or a copy. When this attribute is omitted the document is not a copy – it is an original. This is because No is the default.

Used in:

- CallOff
- Complaint
- ComplaintResponse
- CreditDebitNote
- DeliveryMessage
- DeliveryMessageBook
- GoodsReceipt
- InventoryChange
- InventoryStatus
- Invoice
- OrderConfirmation
- ProductPerformance
- PurchaseOrder
- ShippingInstructions
- Usage

Choices:

- **Yes** – The document has been reissued.
- **No** – The document is the original.

papiNet Standard - Version 2.10

Product Performance Documentation

statusType

Acts as a flag indicating what processing may be required.

- **Accepted** - Either the seller or the buyer accepts the header information.
- **Amended** - Either the seller or the buyer has changed the header information.
- **Cancelled**- The buyer has cancelled a line item that was sent in a previous message. Lines that have been cancelled are not included in Totals on the Summary levels of the message.
- **Counterproposal** - The sender is presenting a different proposal.
- **New** - This is the first time the message has been sent.
- **NoAction** - This call-off header has not been amended and thereby requires no action.
- **Original** - The message information is the first version of that information.
- **Pending** - The seller will update the call-off line item at a later time.
- **Rejected** - The header information is rejected.
- **Replaced** - The entire message referred to has been replaced and the receiver should revalidate the information in their system based upon the entire message contents received.

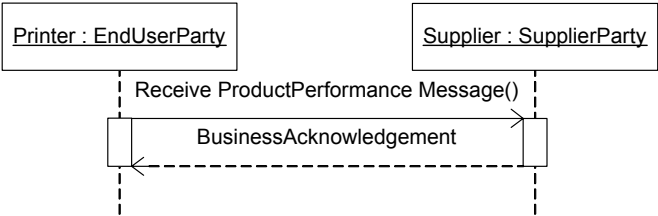
-

Business Scenarios

Business Scenarios

Scenario A	The Printer has agreed to share some of the print processing information captured in their processing units so that the manufacturer can improve the paper quality, which will result in less web breaks on press.
----------------------------	--

Scenario A

Message	ProductPerformance
Type	(none)
Business Scenario	<p>In order to improve the efficiencies of running a particular grade of paper on press, a trading partner agreement has been worked out between a printer and the supplier that manufactures the particular grade of paper.</p>  <pre> sequenceDiagram participant Printer as Printer : EndUserParty participant Supplier as Supplier : SupplierParty Printer->>Supplier: Receive ProductPerformance Message() Supplier-->>Printer: BusinessAcknowledgement </pre>
Outcome	A ProductPerformance message is generated by the Printer's system and received into the Supplier's system. Each particular reel is identified and categorized as either running successfully, without a web break or unsuccessfully with a web break.
Sender	Printer
Receiver	Supplier
Trigger	Usage of reel on printing press.
Step 1	<p>Printer generates run ability data from their system for each reel and then sends it to the Supplier. The Printer also recorded a break on one of the rolls.</p> <p>Key Information:</p> <p>Machine ID: PressA/2/1 Product: Newsprint 30lb Job Name: Daily Rolls IDs ◇ ZZ126383490, ZZ126383491, ZZ126383493, ZZ126383494, ZZ126383495, ZZ126383496, ZZ126383496 (Web Break) Cause Code: 201 Break Description: MILL SPLICE Press Break Location: INFEED Reel Break Diameter: 45 IN Press Speed On Break: 1700 fpm</p>

Business Scenarios

	Waste Impressions: 1000
Results	A ProductPerformance Message is generated with a detail line for each reel that indicates whether that reel was run on press successfully or with a concern. On the one reel with additional concern information on why it was unsuccessful run information are also included, including a cause code, break description, press break location, reel break diameter, web break date, press speed, and waste impressions. This information will be sent from the Printer back to the Supplier to determine if a pattern can be identified with other similar reels.

-

Business Scenarios
