

papiNet[®] Forest Wood Supply & Bioproducts

Recommended Business Rules for papiNet Implementation

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2 Table of Contents

1	Copyright.....	2
2	Table of Contents.....	3
3	Introduction	4
	3.1 Revision history	4
	3.2 Terms of reference	4
	3.3 Definition.....	4
	3.4 Guiding principles	5
	3.5 Scope.....	5
4	Document structure.....	6
	4.1 Overview.....	6
	4.2 Versions.....	6
	4.3 Business rule numbering scheme	7
5	General Business Rules	8
6	Business Acceptance.....	14
7	Business Acknowledgement.....	15
8	Calendar.....	15
9	Call Off	17
10	Contract.....	19
11	Delivery Instruction	20
12	Delivery Message	21
13	Delivery Planning	23
14	Inventory Change.....	25
15	Inventory Status	25
16	Invoice.....	27
17	Load Tender.....	33
18	Load Tender Response	34
19	Measuring Instruction.....	36
20	Measuring Ticket.....	37
21	Order Confirmation	41
22	papiNet Envelope.....	42
23	Purchase Order.....	43
24	Service Instruction (a beta version)	44
25	Shipment Status.....	45

3 Introduction

3.1 Revision history

Business Rules Revision History

Date	Author (s)	Summary of Changes
2018-02-07	LO	Added FWS_GE_026, FWS_PE_001, FWS_PE_002, FWS_PE_003, FWS_PE_004, FWS_SI_001 and FWS_SI_002. Updated FWS_GE_003.
2017-05-26	LO	Added FWS_BA_004, FWS_CT_005, FWS_DI_007, FWS_DI_008 and FWS_DM_008, FWS_MI_004, Updated FWS_CA_003.
2017-03-21	LO	Added FWS_CA_005, FWS_DM_007, FWS_GE_024 and FWS_GE_025. Updated FWS_CA_003.
2017-02-22	LO	Added business rules for Calendar.
2017-01-14	LO	FWS_GE_023 added
2016-09-27	LO	FWS_GE_021 and FWS_GE_022 added, FWS_MT_020 changed
2015-12-01	LO	Added rules for CallOff, Contract, DeliveryPlanning, LoadTender, LoadTenderResponse, MeasuringInstruction, PurchaseOrder and OrderConfirmation. Other new rules are FWS_GE_020, FWS_MT_017, FWS_MT_018, FWS_MT_019, FWS_MT_020 and FWS_SS_007.
2014-11-12	LO	Public version prepared
2014-10-25	LO	FWS_MT_009 updated
2014-10-20	LO	FWS_IN_031 added and correcting spelling errors and clarifying of action texts in other rules, no functionality change.
2014-10-15	LO	FWS_GE_018, FWS_GE_019 and FWS_MT_016 added, FWS_DI_002, FWS_DM_002, FWS_IC_002, FWS_MT_002 and FWS_SS_002 changed
2014-09-13	LO	FWS_IN_030 updated
2014-09-03	LO	FWS_MT_015
2014-01-14	LO	FWS_GE_016, FWS_GE_017 FWS_IN_030, FWS_MT_008, FWS_MT_013 and FWS_MT_014 Added
2013-05-16	LO	FWS_GE_015 added with a new rule
2011-11-15	LO	FWS_GE_015 deleted, LogisticsRole will not be used.
2009-11-09	LO	First version

3.2 Terms of reference

The Forest Wood Supply & Bioproducts User Group is the body within papiNet responsible for creating and maintaining the Recommended Business Rules for the Forest Wood Supply & Bioproducts industries. It comprises representatives from suppliers and buyers who have had direct experience of implementing the papiNet standards detailed in this document.

3.3 Definition

The purpose of this document is to describe the recommended implementation for a subset of papiNet business e-documents for Forest Wood Supply & Bioproducts. This subset is referred to as the "Forest Wood Supply & Bioproducts Recommended Schema" and is defined in the ISS Excel sheet for each e-document. The recommended business rules in this document have been developed to support business transactions conducted between trading partners in the Forest Wood Supply & Bioproducts industries.

The targeted audience for this document are both commercial and technical teams of the trading partners. The Recommended Business Rules contains both commercial and technical descriptions.

The term "Business System" used in the business rules refers to the system where business transactions are executed. It is not the IT Integration Platform used for sending and receiving e-documents.

3.4 Guiding principles

papiNet standard is the building block for the Forest Wood Supply & Bioproducts Recommended Business Rules.

It is assumed that these rules, once adopted by a trading partner will become mandatory. Trading partners are free to agree their own adaptations on a bilateral basis, however, the full benefits of a standard implementation process are only realised if the Recommended Business Rules are fully adopted.

If certain rules cannot be followed it is recommended that a written Trading Partner Agreement (TPA) should be created to exactly document the alternative method of using the papiNet e-document. This agreement should quote the business rule that will not be followed, the reason and the alternative solution.

3.5 Scope

This release of the Forest Wood Supply & Bioproducts Recommended Business Rules and Implementation Subset Spreadsheets (ISS) covers the following e-documents:

- BusinessAcceptance
- BusinessAcknowledgement
- Calendar
- CallOff
- Contract
- DeliveryInstruction
- DeliveryMessage
- DeliveryPlanning
- InventoryChange
- InventoryStatus
- Invoice
- LoadTender
- LoadTenderResponse
- MeasuringInstruction
- MeasuringTicket
- OrderConfirmation
- papiNetEnvelope
- PurchaseOrder
- ServiceInstruction
- ShipmentStatus

4 Document structure

4.1 Overview

This section summarises the documents included to describe the Forest Wood Supply & Bioproducts Recommended Business Rules.

This Recommended Business Rules document and the Implementation Subset Spreadsheets (ISS) are intended to be used alongside with the papiNet standards documentation. The documents are available from

papiNet standard:

<http://www.papiNet.org>.

papiNet Forest Wood Supply & Bioproducts User Group:

<http://www.papinet.org/#user-groups/forest-wood-supply-bioproducts/ajax.html>

The Recommended Business Rules document and ISS are also cross-referenced – both ISS and Business Rules should be used for implementing standards.

This includes

- An overview of the documentation
- Naming and versioning scheme
- Description of the business cases and rules for each e-document
- General rules, which have been defined to be applied to all types of e-documents.
- Implementation Subset Spreadsheets (ISS)

The papiNet Forest Wood Supply & Bioproducts User Group change process will be followed for any changes to the content of the Business Rules or Implementation Subset Spreadsheets definition.

4.2 Versions

Versioning of the documents is used to track updates to the Business Rules Document and Implementation Subset Spreadsheets. Versioning is equal to the date yyyy-mm-dd.

Document files will have the Version (date) at the end of the file name.

4.3 Business rule numbering scheme

All rules included are given a reference number. The numbering scheme indicates the e-document and a unique number. For example: FWS_GE_001

The codes used for papiNet business e-documents are summarised below:

GE	General Rules
BC	BusinessAcceptance Rules
BA	BusinessAcknowledgement Rules
CA	Calendar
CO	CallOff Rules
CT	Contract Rules
DI	DeliveryInstruction Rules
DM	DeliveryMessage Rules
DP	DeliveryPlanning Rules
IC	InventoryChange Rules
IN	Invoice Rules
IS	InventoryStatus Rules
LT	LoadTender
LR	LoadTenderResponse
MI	MeasuringInstruction Rules
MT	MeasuringTicket Rules
OC	OrderConfirmation Rules
PE	papiNetEnvelope Rules
PO	PurchaseOrder Rules
SI	ServiceInstruction Rules
SS	ShipmentStatus Rules

5 General Business Rules

General Recommended Business Rules have been defined for areas that are common to all e-documents and e-document types supported by the recommended schemas.

Rule	FWS_GE_001
Title	Time
Element	Time
Action	Time is always given in local time without time zone for the location where the action is taking place. Please see exception for Time in document issue date in specific e-document rules.

Rule	FWS_GE_002
Title	Party information
Element	NameAddress, NameAddress/CommonContact
Action	Name, addresses and contact info should not update master data for parties in the system of the receiver. The sender uses his master data for parties when creating an e-document. Name, addresses and contact info are supplied for human readability of the e-document and for business information if it is not defined as master data by the receiver. Change of master data has to be communicated separately. <u>Note:</u> We recommend minimum to fill in Address1, City and Country for visibility controlling.

Rule	FWS_GE_003
Title	Identifiers for parties
Element	PartyIdentifier, PartyIdentifierType
Action	For SenderParty & ReceiverParty one of the following globally unique party identifiers should be used: - papiNetGlobalPartyIdentifier - GlobalLocationNumber - ISO6523Number For all other parties the strong recommendation is also to use globally unique party identifiers - papiNetGlobalPartyIdentifier - GlobalLocationNumber - ISO6523Number papiNetGlobalPartyIdentifier is based on IANA Private Enterprise Number with the Internet prefix 1.3.6.1.4.1. The format of papiNetGlobalPartyIdentifier is 1.3.6.1.4.1.PrivateEnterpriseNumber.[EnterpriseLocationNumber] - You can apply for an IANA Private Enterprise Number for your enterprise <u>free of charge</u> on http://pen.iana.org/pen/PenApplication.page. It takes about 2-3 days to get an IANA Private Enterprise Number. After the first response you have to confirm your company details by e-mail.

	- The EnterpriseLocationNumber is an optional unique location number within the Enterprise assigned by the Enterprise itself. - Please see papiNet Data Dictionary for detail definition and formatting rules for papiNetGlobalPartyIdentifier. Examples <table> <tr> <td>1.3.6.1.4.1.14302</td><td>The Enterprise</td></tr> <tr> <td>1.3.6.1.4.1.14302.4</td><td>Location number 4 of the Enterprise, e.g. a paper mill.</td></tr> <tr> <td>1.3.6.1.4.1.14302.12</td><td>Location number 12 of the Enterprise, e.g. a pulp mill.</td></tr> <tr> <td>1.3.6.1.4.1.14302.12.3</td><td>E.g. a storage location belonging to the pulp mill.</td></tr> </table>	1.3.6.1.4.1.14302	The Enterprise	1.3.6.1.4.1.14302.4	Location number 4 of the Enterprise, e.g. a paper mill.	1.3.6.1.4.1.14302.12	Location number 12 of the Enterprise, e.g. a pulp mill.	1.3.6.1.4.1.14302.12.3	E.g. a storage location belonging to the pulp mill.
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1.3.6.1.4.1.14302.12	Location number 12 of the Enterprise, e.g. a pulp mill.								
1.3.6.1.4.1.14302.12.3	E.g. a storage location belonging to the pulp mill.								

Rule	FWS_GE_004
Title	Legal seller of the product
Element	SupplierParty or OtherParty on header level
Action	By definition SupplierParty is the Seller. If the party OtherParty type Seller exists in the e-document then it overrides the SupplierParty as legal seller of the product. This will have an impact on e-document mapping also for the customer. The customer has to pick payment info, VAT no etc either from the SupplierParty id or OtherParty type Seller. What party to use will be an agreement between the partners.

Rule	FWS_GE_005
Title	Contact information
Element	CommonContact
Action	The sender is required to only send contacts for parties in their business organisation in the e-documents. These contacts don't need to be supplied when the receiver respond back with an e-document.

Rule	FWS_GE_006
Title	Cancelled line items
Element	*LineItem (only line items having status Cancelled)
Action	Cancelled line items are kept if the e-document is amended. Cancelled line items are included in TotalNumberOfLineItems but their quantities and amounts must be excluded from total quantities and total amounts on summary level. A cancelled line item cannot be re-activated. The status of a cancelled line item always remains cancelled. A cancelled line item must never be reused (if necessary a new line item can be added with a new Line Item Number).

Rule	FWS_GE_007
Title	Element used both on header and line
Element	*LineItem
Action	If the element is used on the line level it overrides the element specified on the header level, in this case it must be given on all line items.

Rule	FWS_GE_008
Title	Agency for Party Identifier Type
Element	@Agency for @PartyIdentifierType
Action	Agency is mandatory when the PartyIdentifierType is AssignedByAgency.

Rule	FWS_GE_009
Title	Use of optional elements
Element	Root element
Action	The sender is allowed to send information that is not used by the receiver, the receiver takes out what he needs. The recommendation is to send optional fields when data is available.

Rule	FWS_GE_010
Title	Number of decimals
Element	Value, DetailValue, DetailRangeMax, DetailRangeMin, RangeMax, RangeMin
Action	It is allowed to use the appropriate number of decimals for the business situation. The responder doesn't have to express, for instance, in an order confirmation with quantity expressed to the same number of decimals as the sender puts on the purchase order. Receiver must interpret the number of decimals provided with any specific value.

Rule	FWS_GE_011
Title	Unit of measurement (UOM)
Element	@UOM
Action	Senders are allowed to use the appropriate UOM within same international measurement system (e.g. Tonnes/Kilograms, Centimeter/Millimeter) for the business situation and do not have to respond, for instance, in an order confirmation with quantity expressed to the same UOM as the sender puts on the purchase order. Receiver must interpret the UOM provided with any specific value.

Rule	FWS_GE_012
Title	Use of additional text fields
Element	AdditionalText
Action	All parties must attempt to avoid the use of text fields where appropriate papiNet elements / attributes exist. This is in order to allow as much fully automated processing as possible between partners.

Rule	FWS_GE_013
Title	Use of total quantity at summary level
Element	TotalQuantity
Action	Total quantity at summary level should be repeated per quantity UOM on line level.

Rule	FWS_GE_014
Title	Delivery Destination
Element	DeliveryDestination in DeliveryLeg
Action	DeliveryDestination is mandatory if more than one delivery leg is used.

Rule	FWS_GE_015
Title	Quantity types for net and gross quantities
Element	@QuantityType
Action	Quantity types SolidWoodVolume, WoodVolume, LogPileVolume, TippedLooseVolume and NetNetWeight are used for the quantities of the product specified on line items. The product specification defines what is included in the quantity, for example if rejects or other deductions are included or not. Quantity types for gross quantities SolidWoodGrossVolume, WoodGrossVolume, LogPileGrossVolume, TippedLooseGrossVolume and GrossWeight are used in contexts when the quantities are not directly linked to a product, for example when the quantity of a log pile is calculated based on measured dimensions.

Rule	FWS_GE_016
Title	Monetary Additions and Deductions
Element	MonetaryAdjustment, ChargeInformation
Action	MonetaryAdjustment is used for specification of Tax and general additions/deductions related to amounts, normally based on a percentage, e.g. Rebate and Price Correction. ChargeInformation is used for Forest Wood Supply additions/deductions related to quantities for products and services e.g. Certification addition, Reject deduction, Transport costs etc.

Rule	FWS_GE_017
Title	Type of quantity related to price and amount
Element	PriceDetails/@PriceQuantityBasis
Action	Quantity times the price gives an amount. Quantity type is specified by PriceQuantityBasis, When needed, additional detailed type of quantity is specified by attributes MeasuringMethod and MeasuringAgency on element Quantity containing the quantity value.

Rule	FWS_GE_018
Title	Identifier for log piles loaded on transport units
Element	PackageInformation/Identifier, PackageMeasuringInfo/ItemInfo/Identifier,
Action	When log piles are loaded on a transport unit, they are given an identifier that specifies the loading position on the transport unit. A transport unit for round wood has a number of loading stacks for log piles, typically up to 5 loading stacks. Several log piles can be loaded into one loading stack. The following format must be used for the identifier of a log pile. Format for the identifier of a log pile: T_X.Y where

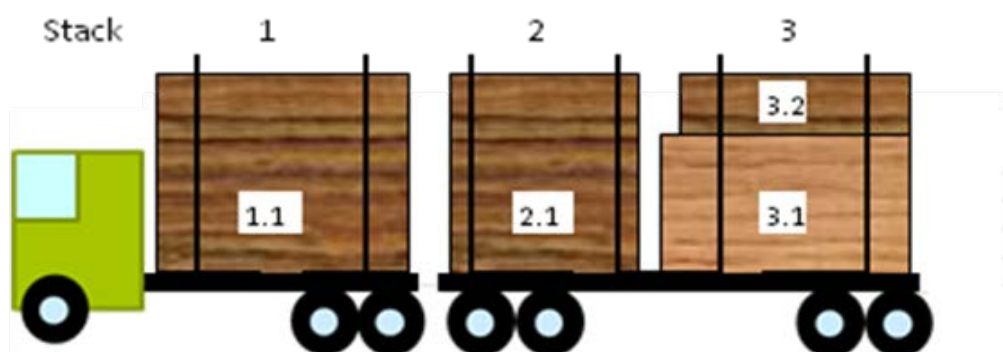
T = Identifier of the transport unit

X = Loading position horizontally, i.e. the loading stack number

Y = Loading position vertically, i.e. the number of the log pile within a loading stack counted from the bottom of the transport unit and upwards.

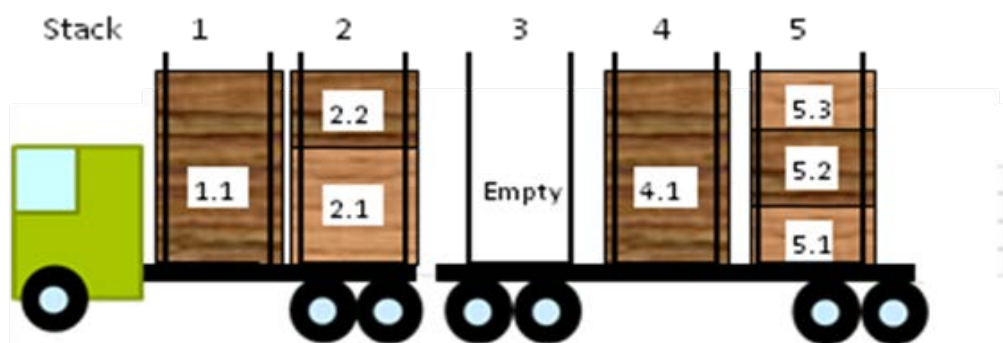
The separator between T and X is an underscore ("_") and between X and Y a dot ("."). Loading stacks are given sequential numbers counted from the frontend of the transport unit and starting with 1. The frontend of a transport unit for road transports is the side facing the driving direction.

Below are examples with log piles loaded on transport units of type DrawBarCombination.



Transport unit identifier for the DrawBarCombination with 3 loading stacks is ABC123.

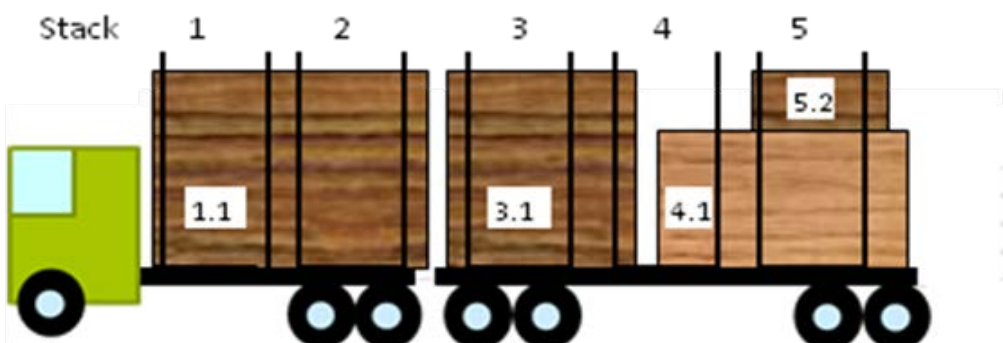
The Identifier for the first log pile is ABC123_1.1, followed by log pile ABC123_2.1, ABC123_3.1 and ABC123_3.2.



Transport unit identifier for the DrawBarCombination with 5 loading stacks is ABC222.

Loading stack number 3 is empty.

The Identifier for the first log pile is ABC222_1.1, followed by log pile ABC222_2.1, ABC222_2.2, ABC222_4.1, ABC222_5.1, ABC222_5.2 and ABC222_5.3.



	Transport unit identifier for the DrawBarCombination with 5 loading stacks is ABC222. The transport unit is loaded with long logs taken up more space than one loading stack. The Identifier for the first log pile is ABC222_1.1, followed by log pile ABC222_3.1, ABC222_4.1 and ABC222_5.2.
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Rule	FWS_GE_019
Title	Monetary Adjustments
Element	MonetaryAdjustmentStartAmount, MonetaryAdjustmentStartQuantity
Action	MonetaryAdjustmentStartAmount is mandatory for adjustments based on amounts and MonetaryAdjustmentStartQuantity is mandatory for adjustments based on quantities.

Rule	FWS_GE_020
Title	Monetary Adjustment values
Element	MonetaryAdjustment/@AdjustmentType
Action	Adjustment values should always be given as negative or positive adjustments even if the AdjustmentType infers the sign. For example, a rebate of 1% in debit should be given as an adjustment percentage of -1.

Rule	FWS_GE_021
Title	Measuring Method
Element	@MeasuringMethod
Action	Attribute MeasuringAgency is mandatory when attribute MeasuringMethod is used.

Rule	FWS_GE_022
Title	Text Value for properties
Element	PropertyValue/TextValue, PropertySubValue/TextValue
Action	Attribute MeasuringAgency is mandatory when the choice TextValue is used in PropertyValue and PropertySubValue.

Rule	FWS_GE_023
Title	Format of Week numbers
Element	Week
Action	The format of the week number shall be according to the ISO 8601 standard. Week 01 of a year is the first week that has the Thursday in this year, which is equivalent to the week that contains the fourth day of January. The ISO week starts on Monday. The ISO 8601 extended format of the week number is yyyy-Www, for example 2016-W51. If for some reason information about the year is missing, then the year shall be replaced by a dash (-), for example --W51.

Rule	FWS_GE_024
Title	DeliveryOrigin and DeliveryDestination in DeliverySchedule/DeliveryLeg
Element	DeliverySchedule/DeliveryLeg/DeliveryOrigin, DeliverySchedule/DeliveryLeg/DeliveryDestination
Action	Only one instance is allowed for both DeliveryOrigin and DeliveryDestination in DeliveryLeg in DeliverySchedule.

Rule	FWS_GE_025
Title	Locations in Route
Element	Route/RouteLocation
Action	When a supply point and/or a location is specified in the Route, then the RouteLocation is mandatory to use in the optional choice in the Route.

Rule	FWS_GE_026
Title	OtherDocumentName
Element	Document/@OtherDocumentName, Document/@DocumentName
Action	OtherDocumentName is mandatory, if DocumentName has the value "Other".

6 Business Acceptance

Please refer to the papiNet Forest Wood Supply & Bioproducts ISS Excel sheet for details of the recommended use of the papiNet Schema.

Rule	FWS_BC_001
Title	DocumentType and TransactionHistoryNumber
Element	Document(@DocumentType, TransactionHistoryNumber
Action	DocumentType and TransactionHistoryNumber in the element Document are mandatory in case they are supplied in the e-document being accepted or rejected.

Rule	FWS_BC_002
Title	BusinessAcceptanceDate
Element	BusinessAcceptanceDate/Time
Action	This is the date when the Business System generates the transaction/document (Business System Time Stamp). Time zone should be given on Time. When the sender changes an e-document a new date will be given, but if the e-document only is resent from the papiNet transmission server the date stays the same. The transmission timestamp in the envelope is always updated

Rule	FWS_BC_003
Title	Time in DocumentDate
Element	DocumentDate/Time

Action	Time is mandatory if supplied in the e-document that is accepted or rejected.
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7 Business Acknowledgement

Please refer to the papiNet Forest Wood Supply & Bioproducts ISS Excel sheet for details of the recommended use of the papiNet Schema.

Rule	FWS_BA_001
Title	DocumentType and TransactionHistoryNumber
Element	Document(@DocumentType, TransactionHistoryNumber)
Action	DocumentType and TransactionHistoryNumber in the element Document are mandatory in case they are supplied in the e-document being acknowledged.

Rule	FWS_BA_002
Title	BusinessAcknowledgementDate
Element	BusinessAcknowledgementDate/Time
Action	This is the date when the Business System generates the transaction/document (Business System Time Stamp). Time zone should be given on Time. When the sender changes an e-document a new date will be given, but if the e-document only is resent from the papiNet transmission server the date stays the same. The transmission timestamp in the envelope is always updated

Rule	FWS_BA_003
Title	Time in DocumentDate
Element	DocumentDate/Time
Action	Time is mandatory if supplied in the e-document that is acknowledged.

Rule	FWS_BA_004
Title	BusinessAcknowledgementNumber
Element	BusinessAcknowledgementNumber
Action	Maximum allowed size of BusinessAcknowledgementNumber is 30 characters.

8 Calendar

Please refer to the papiNet Forest Wood Supply & Bioproducts ISS Excel sheet for details of the recommended use of the papiNet Schema.

Rule	FWS_CA_001
Title	Calendar issue date
Element	CalendarIssueDate/Time
Action	This will be the date when the Business System generates the transaction/document (Business System Time Stamp). Time Zone shall be given on Time. When the sender changes an e-document a new date will be given, but if the e-

	document only is resent from the papiNet transmission server the date stays the same. The transmission timestamp in the envelope is always updated.
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Rule	FWS_CA_002
Title	Processing rule
Element	Calendar root element, attribute CalendarStatus
Action	Calendar is an e-document created at a date and time specified by CalendarIssueDate. The sender has to secure that two Calendar e-documents don't get the same issue date and time. SenderParty, LocationParty and CalendarIssueDate shall control the processing order of the Calendar e-documents. The receiver should accept the Calendar e-document only if the CalendarIssueDate is later then the CalendarIssueDate of earlier processed Calendar e-documents with the same SenderParty and the same LocationParty or if a Calendar e-document is not processed with the SenderParty and the LocationParty. N.B. Attribute CalendarStatus and element TransactionHistoryNumber must not be used.

Rule	FWS_CA_003
Title	Calendar changes and cancellations
Element	Calendar root element, CalendarEntry
Action	If one or several calendar entries are changed or added for the LocationParty, then all calendar entries for the LocationParty and the earlier communicated ValidityPeriod shall be sent in the Calendar e-document. Only calendar entries in current and future time shall be communicated and processed. Cancellation of a previously available time slot is communicated with attribute TimeSlotAvailability set to value "No".

Rule	FWS_CA_004
Title	Reference to InfoRequest
Element	RequestNumber
Action	RequestNumber is mandatory, if the Calendar is requested by the e-document InfoRequest.

Rule	FWS_CA_005
Title	Validity period
Element	ValidityPeriod
Action	ValidityPeriod is mandatory. All calendar entries for a LocationParty shall always be communicated in the CalendarSequence for the given ValidityPeriod.

9 Call Off

Please refer to the papiNet Forest Wood Supply & Bioproducts ISS Excel sheet for details of the recommended use of the papiNet Schema.

Rule	FWS_CO_001
Title	Call Off Issued Date
Element	CallOffIssuedDate/Time
Action	This is the date when the Business System generates the CallOff of type CallOff (Business System Time Stamp). Time zone should be given on Time. When the sender changes an e-document a new date will be given, but if the e-document only is resent from the papiNet transmission server the date stays the same. The transmission timestamp in the envelope is always updated

Rule	FWS_CO_002
Title	Call Off Confirmation Issued Date
Element	CallOffConfirmationIssuedDate/Time
Action	This is the date when the Business System generates the CallOff of type CallOffConfirmation (Business System Time Stamp). Time zone should be given on Time. When the sender changes an e-document a new date will be given, but if the e-document only is resent from the papiNet transmission server the date stays the same. The transmission timestamp in the envelope is always updated

Rule	FWS_CO_003
Title	Call Off Processing rule
Element	CallOff root element, @CallOffType, TransactionHistoryNumber
Action	E-document versions must be processed in an ascending order. Versions for CallOff of type CallOff are controlled by TransactionHistoryNumber, which is a sequential number for each version of the e-Documents starting with 1. Processing order of a new version is determined by 1. TransactionHistoryNumber is higher in the new version than in earlier processed versions for CallOff of type CallOff with the same CallOffNumber and the same SenderParty. 2. The receiver should process a CallOff of type CallOff, if the first received version has a TransactionHistoryNumber with a value greater than 1. Versions for CallOff of type CallOff not fulfilling above rules have to be rejected.

Rule	FWS_CO_004
Title	Call Off Confirmation Processing rule
Element	CallOff root element, @CallOffType, TransactionHistoryConfirmationNumber
Action	E-document versions must be processed in an ascending order. Versions for CallOff of type CallOffConfirmation are controlled by TransactionHistoryConfirmationNumber, which is a sequential number for each version of the e-Documents starting with 1.

	Processing order of a new version is determined by 1. TransactionHistoryConfirmationNumber is higher in the new version than in earlier processed versions for CallOff of type CallOffConfirmation with the same CallOffConfirmationNumber and the same SenderParty. 2. The receiver should process a CallOff of type CallOffConfirmation, if the first received version has a TransactionHistoryConfirmationNumber with a value greater than 1. Versions for CallOff of type CallOffConfirmation not fulfilling above rules have to be rejected.
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Rule	FWS_CO_005
Title	Confirmation of Call Off
Element	CallOff root element, @CallOffType
Action	Confirmation of a CallOff can be done by a BusinessAcceptance with status Accepted or Rejected or by a CallOff of type CallOffConfirmation depending on agreement between business partners. A CallOff of type CallOffConfirmation is needed if the receiver needs additional information in the confirmation, e.g. some references, detailed delivery times etc. The sender of the CallOff can send a changed version of the CallOff before he has received a confirmation of the CallOff. If a new version of CallOff is received before a confirmation is done for the previous version, then a confirmation will be done only for the latest version.

Rule	FWS_CO_006
Title	Call Off of type CallOffConfirmation
Element	CallOffConfirmationNumber, CallOffConfirmationIssuedDate, TransactionHistoryConfirmationNumber, CallOffConfirmationLineItemNumber
Action	The following elements are mandatory for a CallOff of type CallOffConfirmation • CallOffConfirmationNumber • CallOffConfirmationIssuedDate • TransactionHistoryConfirmationNumber • CallOffConfirmationLineItemNumber

Rule	FWS_CO_007
Title	Transaction History Number
Element	TransactionHistoryNumber
Action	TransactionHistoryNumber is the version number for CallOff of type CallOff. It is mandatory for CallOff of type CallOff. TransactionHistoryNumber is mandatory in CallOff of type CallOffConfirmation when it is a confirmation for a papiNet e-Document CallOff of type CallOff.

Rule	FWS_CO_008
Title	Call Off Statuses
Element	@CallOffLineItemStatusType, @CallOffLineItemDocumentStatus

Action	Calloff has two different types of statuses for line items. - An e-document exchange related status CalloffLineItemStatusType. This status reflects what has changed since the last version of the e-document. - An actual status for the papiNet e-document content, CalloffLineItemDocumentStatus. The document status clarifies how to read the document content, what is agreed or not agreed. Document status is also important from legal point of view.
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10 Contract

Please refer to the papiNet Forest Wood Supply & Bioproducts ISS Excel sheet for details of the recommended use of the papiNet Schema.

Rule	FWS_CT_001
Title	Contract Issue Date
Element	DocumentIssueDate/Time
Action	This is the date when the Business System generates the transaction/document (Business System Time Stamp). Time zone should be given on Time. When the sender changes an e-document a new date will be given, but if the e-document only is resent from the papiNet transmission server the date stays the same. The transmission timestamp in the envelope is always updated.

Rule	FWS_CT_002
Title	Processing rule
Element	Contract root element, TransactionHistoryNumber
Action	E-document versions must be processed in an ascending order. Versions of e-documents are controlled by TransactionHistoryNumber when it is supplied in the e-document. Otherwise it is controlled by the issue date and time of the e-document (DocumentIssueDate). Use of TransactionHistoryNumber is recommended. When TransactionHistoryNumber is not used, then the sender has to secure that two versions don't get the same issue date and time. Processing order of a new version is determined by - TransactionHistoryNumber is higher in the new version than in earlier processed versions of Contract with the same DocumentNumber and the same SenderParty. - If TransactionHistoryNumber isn't used, then the issue date of the new version has to be later than the issue date of earlier processed versions of Contract with the same DocumentNumber and the same SenderParty. When a replaced e-document comes as the first e-document the receiving party must be able to accept a replace without having the original e-document. E-document versions not fulfilling above rules have to be rejected. E.g. the replaced e-document might be the first one that arrives and it is updated in the system. Then later the original e-document arrives. In this case the original e-document must be rejected.

Rule	FWS_CT_003
Title	Seller

Element	ContractHeader/OtherParty, SupplierParty
Action	Seller is mandatory in the Contract and should be specified by OtherParty type "Seller" in ContractHeader or by SupplierParty if supplier and seller is the same party.

Rule	FWS_CT_004
Title	Amounts
Element	Contract root element
Action	A positive amount is debit and a negative amount is credit.

Rule	FWS_CT_005
Title	DocumentNumber
Element	DocumentNumber
Action	Maximum allowed size of DocumentNumber is 30 characters.

11 Delivery Instruction

Please refer to the papiNet Forest Wood Supply & Bioproducts ISS Excel sheet for details of the recommended use of the papiNet Schema.

Rule	FWS_DI_001
Title	DeliveryInstruction Issue Date
Element	DeliveryInstructionDate/Time
Action	This is the date when the Business System generates the transaction/document (Business System Time Stamp). Time zone should be given on Time. When the sender changes an e-document a new date will be given, but if the e-document only is resent from the papiNet transmission server the date stays the same. The transmission timestamp in the envelope is always updated

Rule	FWS_DI_002
Title	Processing rule
Element	DeliveryInstruction root element, TransactionHistoryNumber
Action	E-document versions must be processed in an ascending order. Versions of e-documents are controlled by TransactionHistoryNumber when it is supplied in the e-document. Otherwise it is controlled by the issue date and time of the e-document (DeliveryInstructionDate). Use of TransactionHistoryNumber is recommended. When TransactionHistoryNumber is not used, then the sender has to secure that two versions don't get the same issue date and time. Processing order of a new version is determined by 1. TransactionHistoryNumber is higher in the new version than in earlier processed versions of DeliveryInstruction with the same DeliveryInstructionNumber and the same SenderParty. 2. If TransactionHistoryNumber isn't used, then the issue date of the new version has to be later than the issue date of earlier processed versions of DeliveryInstruction with the same DeliveryInstructionNumber and the same

	SenderParty. When an amended e-document comes as the first e-document the receiving party must be able to accept an amendment without having the original e-document. E-document versions not fulfilling above rules have to be rejected. E.g. the amended e-document might be the first one that arrives and it is updated in the system. Then later the original document arrives. In this case the original e-document must be rejected.
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Rule	FWS_DI_003
Title	Confirmation of Delivery Instruction
Element	DeliveryInstruction root element
Action	The confirmation of the DeliveryInstruction will be done by the BusinessAcceptance with status Accepted or Rejected. If some part of the DeliveryInstruction needs to be rejected, then the whole e-document will be rejected. A text can be sent in AdditionalText to explain reason for the rejection. The sender can change a Delivery Instruction before he has received a Business Acceptance from the receiver of the Delivery Instruction. If the receiver receives a new version of the Delivery Instruction before the Business Acceptance is done on the previous version, a Business Acceptance will only be done on the latest version.

Rule	FWS_DI_006
Title	Parties in
Element	BillToParty, BuyerParty, SupplierParty
Action	BillToParty, BuyerParty and SupplierParty in e-document DeliveryInstruction are parties in the Product Business of Forest Wood Supply & Bioproducts. Logistics BillTo, LogisticsBuyer and LogisticsSupplier can be communicated in OtherParty if needed.

Rule	FWS_DI_007
Title	ShipToCharacteristics
Element	ShipToCharacteristics
Action	ShipToCharacteristics is mandatory for delivery instruction type DeliveryInstruction.

Rule	FWS_DI_008
Title	DeliveryInstructionSequence
Element	DeliveryInstructionSequence, @DeliveryInstructionStatusType
Action	DeliveryInstructionSequence is mandatory when DeliveryInstructionStatusType is "Original" or "Amended".

12 Delivery Message

Please refer to the Forest Wood Supply & Bioproducts ISS Excel sheet for details of the recommended use of the papiNet Schema.

Rule	FWS_DM_001
Title	Delivery Message Issue Date
Element	DeliveryMessageDate/Time
Action	This is the date when the Business System generates the transaction/document (Business System Time Stamp). Time zone should be given on Time. When the sender changes an e-document a new date will be given, but if the e-document only is resent from the papiNet transmission server the date stays the same. The transmission timestamp in the envelope is always updated

Rule	FWS_DM_002
Title	Processing rule
Element	DeliveryMessage root element, TransactionHistoryNumber
Action	E-document versions must be processed in an ascending order. Versions of e-documents are controlled by TransactionHistoryNumber when it is supplied in the e-document. Otherwise it is controlled by the issue date and time of the e-document (DeliveryMessageDate). Use of TransactionHistoryNumber is recommended. When TransactionHistoryNumber is not used, then the sender has to secure that two versions don't get the same issue date and time. Processing order of a new version is determined by 1. TransactionHistoryNumber is higher in the new version than in earlier processed versions of DeliveryMessage with the same DeliveryMessageNumber and the same SenderParty. 2. If TransactionHistoryNumber isn't used, then the issue date of the new version has to be later than the issue date of earlier processed versions of DeliveryMessage with the same DeliveryMessageNumber and the same SenderParty. When a replaced e-document comes as the first e-document the receiving party must be able to accept a replace without having the original e-document. E-document versions not fulfilling above rules have to be rejected. E.g. the replaced e-document might be the first one that arrives and it is updated in the system. Then later the original e-document arrives. In this case the original e-document must be rejected.

Rule	FWS_DM_003
Title	Not used
Element	
Action	

Rule	FWS_DM_004
Title	Multiple Supply Points
Element	SupplyPoint
Action	When tracking of inventory changes per Supply Point is needed and a delivery has multiple Supply Points in DeliveryOrigin and/or DeliveryDestination, then Supply Point and quantity per Supply Point are reported on line items for each Supply Point.

Rule	FWS_DM_006
Title	Parties in Forest Wood Supply & Bioproducts Business
Element	BillToParty, BuyerParty, SupplierParty
Action	BillToParty, BuyerParty and SupplierParty in e-document DeliveryMessage are parties in the Product Business of Forest Wood Supply & Bioproducts. LogisticsBillTo, LogisticsBuyer and LogisticsSupplier can be communicated in OtherParty if needed.

Rule	FWS_DM_007
Title	DeliveryOrigin and DeliveryDestination
Element	DeliveryOrigin, DeliveryDestination
Action	Only one instance is allowed for both DeliveryOrigin and DeliveryDestination in DeliveryLeg.

Rule	FWS_DM_008
Title	ShipToCharacteristics
Element	ShipToCharacteristics
Action	ShipToCharacteristics is mandatory for all delivery message types except for LoadedSpecification.

13 Delivery Planning

Please refer to the papiNet Forest Wood Supply & Bioproducts ISS excel sheet for details of the recommended use of the papiNet Schema.

Rule	FWS_DP_001
Title	Delivery Planning Issue Date
Element	DeliveryPlanningIssueDate/Time
Action	This is the date when the Business System generates the transaction/document (Business System Time Stamp). Time zone should be given on Time. When the sender changes an e-document a new date will be given, but if the e-document only is resent from the papiNet transmission server the date stays the same. The transmission timestamp in the envelope is always updated.

Rule	FWS_DP_002
Title	Processing rule
Element	DeliveryPlanning root element, TransactionHistoryNumber
Action	E-document versions must be processed in an ascending order. Versions of e-documents are controlled by TransactionHistoryNumber when it is supplied in the e-document. Otherwise it is controlled by the issue date and time of the e-document (DeliveryPlanningIssueDate). Use of TransactionHistoryNumber is recommended. When TransactionHistoryNumber is not used, then the sender has to secure that two versions don't get the same issue date and time.

	Processing order of a new version is determined by 1. TransactionHistoryNumber is higher in the new version than in earlier processed versions of DeliveryPlanning with the same DeliveryPlanningNumber and the same SenderParty. 2. If TransactionHistoryNumber isn't used, then the issue date of the new version has to be later than the issue date of earlier processed versions of DeliveryPlanning with the same DeliveryPlanningNumber and the same SenderParty. When a replaced e-document comes as the first e-document the receiving party must be able to accept a replace without having the original e-document. E-document versions not fulfilling above rules have to be rejected. E.g. the replaced e-document might be the first one that arrives and it is updated in the system. Then later the original e-document arrives. In this case the original e-document must be rejected.
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Rule	FWS_DP_003
Title	Delivery Planning Sequence Line Item
Element	DeliveryPlanningSequenceLineItem
Action	DeliveryPlanningSequenceLineItem is mandatory for DeliveryPlanningType DeliveryPlan and TransportPlan.

Rule	FWS_DP_004
Title	Delivery Destination
Element	DeliveryDestination
Action	DeliveryDestination is mandatory for DeliveryPlanningType DeliveryPlan and TransportPlan.

Rule	FWS_DP_005
Title	Planning Outcome Context Type
Element	@PlanningOutcomeContextType
Action	PlanningOutcomeContextType in PlanningOutcome is mandatory for DeliveryPlanningType DeliveryPlan and TransportPlan.

Rule	FWS_DP_006
Title	Transport Mode Type
Element	@TransportModeType
Action	TransportModeType in PlanningOutcome is mandatory for DeliveryPlanningType TransportPlan.

Rule	FWS_DP_007
Title	Resource Information

Element	ResourceInformation
Action	ResourceInformation in PlanningOutcome is used only for DeliveryPlanningType ResourcePlan and it is not a valid choice for DeliveryPlan and TransportPlan.

14 Inventory Change

Please refer to the papiNet Forest Wood Supply & Bioproducts ISS Excel sheet for details of the recommended use of the papiNet Schema.

Rule	FWS_IC_001
Title	Inventory Change Issued Date
Element	InventoryChangeIssuedDate/Time
Action	This is the date when the Business System generates the transaction/document (Business System Time Stamp). Time zone should be given on Time. When the sender changes an e-document a new date will be given, but if the e-document only is resent from the papiNet transmission server the date stays the same. The transmission timestamp in the envelope is always updated

Rule	FWS_IC_002
Title	Processing rule
Element	InventoryChange root element, TransactionHistoryNumber
Action	E-document versions must be processed in an ascending order. Versions of e-documents are controlled by TransactionHistoryNumber when it is supplied in the e-document. Otherwise it is controlled by the issue date and time of the e-document (InventoryChangeIssuedDate). Use of TransactionHistoryNumber is recommended. When TransactionHistoryNumber is not used, then the sender has to secure that two versions don't get the same issue date and time. Processing order of a new version is determined by 1. TransactionHistoryNumber is higher in the new version than in earlier processed versions of InventoryChange with the same InventoryChangeNumber and the same SenderParty. 2. If TransactionHistoryNumber isn't used, then the issued date of the new version has to be later than the issued date of earlier processed versions of InventoryChange with the same InventoryChangeNumber and the same SenderParty. When a replaced e-document comes as the first e-document the receiving party must be able to accept a replace without having the original e-document. E-document versions not fulfilling above rules have to be rejected. E.g. the replaced e-document might be the first one that arrives and it is updated in the system. Then later the original e-document arrives. In this case the original e-document must be rejected.

15 Inventory Status

Please refer to the papiNet Forest Wood Supply & Bioproducts ISS Excel sheet for details of the recommended use of the papiNet Schema.

Rule	FWS_IS_001
Title	Inventory status issued date
Element	InventoryStatusIssuedDate/Time
Action	This will be the date when the Business System generates the transaction/document (Business System Time Stamp.) Time Zone should be given on Time. When the sender changes an e-document a new date will be given, but if the e-document only is resent from the papiNet transmission server the date stays the same. The transmission timestamp in the envelope is always updated..

Rule	FWS_IS_002
Title	Processing rule
Element	InventoryStatus root element
Action	Inventory Status is an e-document created at a date and time specified by InventoryStatusIssuedDate. SenderParty, LocationParty (i.e. storage location) and InventoryStatusIssuedDate should control the processing order of the e-documents. The receiver should accept the e-document only if the InventoryStatusIssuedDate is later then the InventoryStatusIssuedDate of earlier processed e-documents with the same LocationParty and the same SenderParty.

Rule	FWS_IS_003
Title	Not used
Element	
Action	

Rule	FWS_IS_004
Title	Aggregation and sorting order of line items
Element	InventoryStatusRequestDetailType
Action	InventoryStatusRequestDetailType controls the aggregation and sorting order of the line items.

Rule	FWS_IS_005
Title	Reference to InfoRequest
Element	RequestNumber
Action	RequestNumber is mandatory if InventoryStatus is requested by the e-document InfoRequest

Rule	FWS_IS_006
Title	Parties in Forest Wood Supply & Bioproducts Business
Element	BuyerParty, SupplierParty
Action	BuyerParty and SupplierParty in e-document InventoryStatus are parties in the Product Business of Forest Wood Supply & Bioproducts. LogisticsBuyer and LogisticsSupplier

	can be communicated in OtherParty if needed.	
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Rule	FWS_IS_007
Title	Storage location
Element	LocationParty, SupplyPoint
Action	LocationParty in the InventoryStatusHeader specifies the storage location. Products can be stored at many supply points within a storage location. Products and supply points are specified on line items.

16 Invoice

Please refer to the papiNet Forest Wood Supply & Bioproducts ISS Excel sheet for details of the recommended use of the papiNet Schema.

Rule	FWS_IN_001
Title	Not used
Element	InvoiceType
Action	

Rule	FWS_IN_002
Title	TaxIdentifier
Element	@PartyIdentifierType (TaxIdentifier) for SupplierParty, BuyerParty or OtherParty(Seller)
Action	The directive states each member state is free to require either the VAT-ID-Nr. or another VAT-registration-number for other supplies/services as IC-transactions (Invoicing Directive Art. 2 par. 6 last sentence). German companies have to show on the invoice either its VAT-ID-number or its tax-payer identification number ("TIN" - which is different from the VAT-ID-number in Germany). If a seller decides to show the TIN, in case of IC-transactions the seller has to show it's VAT-ID-number in addition. Reason for this rule is that not all German entrepreneurs have a VAT-ID-number.

Rule	FWS_IN_003
Title	Invoice correction
Element	@InvoiceType
Action	An Invoice can't be amended. Invoice corrections must be handled by issuing a new Invoice with type CreditNote or DebitNote.

Rule	FWS_IN_004
Title	Not used
Element	InvoiceDeliveryInformation
Action	

Rule	FWS_IN_005
Title	Ship to information
Element	ShipToCharacteristics
Action	ShipToCharacteristics is only used when the invoice is for a delivery.

Rule	FWS_IN_006
Title	Not used
Element	
Action	

Rule	FWS_IN_007
Title	Mandatory fields according to EU invoice directive (for invoices claiming payment)
Element	Invoice root
Action	The following fields are mandatory when invoicing within EU according to EU directive for invoicing. • InvoiceNumber • InvoiceDate • Seller information (Either SupplierParty or OtherParty(Seller)) - Name1 - Address1 - PostalCode - City - Country - VAT Identification Number • Buyer information - Name1 - Address1 - PostalCode - City - Country - VAT Identification Number • ProductDescription • Quantity • PricePerUnit • TAX Type / Percentage • TAX amount • DeliveryDateWindow • TaxStatment

Rule	FWS_IN_008
Title	EU invoice directive (Invoice number)
Element	InvoiceNumber
Action	A sequential number, based on one or more series, which uniquely identifies the invoice.

Rule	FWS_IN_009
Title	EU invoice directive (Invoice date)
Element	InvoiceDate
Action	A date that is qualifying the invoicing period

Rule	FWS_IN_010
Title	EU invoice directive (VAT identification of the seller)
Element	@PartyIdentifierType (VATIdentificationNumber), SupplierParty or OtherParty(Seller)
Action	If this is on Supplier or OtherParty depends of where the Seller is specified. This is the VAT identification number referred to in the paragraph 1(c) (EU directive) under which the taxable person supplied the goods or services.

Rule	FWS_IN_011
Title	EU invoice directive (VAT identification of the buyer)
Element	@PartyIdentifierType (VATIdentificationNumber), BuyerParty
Action	Where the customer is liable to pay tax on goods supplied or services rendered or has been supplied with goods as referred to an Article 28c(A), the VAT identification number as referred to in paragraph 1(c) under which the goods were supplied or the services rendered to the customer.

Rule	FWS_IN_012
Title	EU invoice directive (Name and address of the seller and the buyer)
Element	NameAddress (SupplierParty, OtherParty(Seller) and BuyerParty)
Action	A full name and address of the taxable person and of his customer must be on the invoice

Rule	FWS_IN_013
Title	EU invoice directive (Product description and invoice quantity)
Element	ProductDescription, Quantity
Action	The quantity and nature of the goods supplied or the extent and nature of the services rendered must be on the invoice.

Rule	FWS_IN_014
Title	EU invoice directive (Date of trading)
Element	DeliveryDateWindow, @DeliveryDateType (DateOfTrading)
Action	The date on which the supply of goods or of services was made or completed or the date on which the payment on account referred to in the second subparagraph of point (a) was made, insofar as that a date can be determined and differs from date of issue of the invoice.

Rule	FWS_IN_015
Title	EU invoice directive (Price)
Element	PricePerUnit
Action	The unit price exclusive of tax and any discounts or rebates if they are not included in the unit price.

Rule	FWS_IN_016
Title	EU invoice directive (Tax rate and tax amount)
Element	TaxPercent, TaxAmount, TotalTaxAmount
Action	The VAT rate applied and the VAT amount payable, except where a specific arrangement is applied for which the directive excludes such detail.

Rule	FWS_IN_017
Title	EU invoice directive (Tax statement)
Element	TaxStatement
Action	If an exemption is involved or the customer is liable to pay the tax reference to the appropriate provision of the directive, to the corresponding national provision. Or to any indication that the supply is exempt or subject to the reverse charge procedure

Rule	FWS_IN_018
Title	EU invoice directive (Rules not applicable to our invoices)
Element	Invoice root
Action	If the Intra-community supply of a new means of transport is involved, the particulars specified in Article 28a(2). If the margin scheme is applied, reference to Article 26 or 26a, to the corresponding national provisions, or to any other indication that the margin scheme has been applied.

Rule	FWS_IN_019
Title	Not used
Element	
Action	

Rule	FWS_IN_020
Title	Not used
Element	
Action	

Rule	FWS_IN_021
Title	Credit and debit amounts
Element	Invoice root
Action	Credited amounts are positive in Credit Note and Invoiced amounts are positive in Debit Note.

Rule	FWS_IN_022
Title	Remit to party on credit note
Element	RemitToParty
Action	RemitToParty is not used in CreditNote.

Rule	FWS_IN_023
Title	Price corrections
Element	ChargeOrAllowance
Action	For price correction details in CreditNote or DebitNote use ChargeOrAllowance with type PriceCorrection together with MonetaryAdjustment. PriceDetails in InvoiceLineBaseAmountInformation should not be used for price corrections.

Rule	FWS_IN_024
Title	Invoice line base amount
Element	InvoiceLineBaseAmountInformation
Action	InvoiceLineBaseAmountInformation is mandatory if ChargeOrAllowance isn't used.

Rule	FWS_IN_025
Title	Credit and debit reason
Element	CreditDebitNoteReason
Action	CreditDebitNoteReason is mandatory in CreditNote and DebitNote.

Rule	FWS_IN_026
Title	Product
Element	Product
Action	Product is mandatory if ChargeOrAllowance is not used

Rule	FWS_IN_027
Title	Terms of payment
Element	TermsOfPayment
Action	TermsOfPayment is mandatory for all invoice types claiming payment.

Rule	FWS_IN_028
Title	Tax in local currency
Element	InvoiceSummary/InformationalAmount, TotalNetOfTermsDiscount
Action	If the invoice currency is different from the local currency of the invoice issuer then the 'TaxAmount' in local currency must be sent in the 'InformationalAmount' field in InvoiceSummary and TotalNetOfTermsDiscount.

Rule	FWS_IN_029
Title	EU transaction customs codes
Element	InvoiceLineItem/@InvoiceReferenceType (IntraStatNumber)
Action	If the invoice is raised against a transaction between partners in different EU countries, Intrastat-codes or other relevant customs reporting codes are required. On each Invoice Line Item the 'Invoice Reference' element is used on line level (with a proper qualifier of 'IntraStatNumber').

Rule	FWS_IN_030
Title	CreditNote reference
Element	InvoiceHeader/InvoiceReference/@InvoiceReferenceType
Action	It is mandatory to have a reference with type OriginalInvoiceNumber in a CreditNote to the earlier invoice that is fully or partly credited except for when CreditDebitNoteReasonType is InvoiceAsCreditNote.

Rule	FWS_IN_031
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Title	Reference to InvoiceSpecification
Element	InvoiceHeader/DocumentReferenceInformation
Action	DocumentReferenceInformation is mandatory when the Invoice is specified by a MeasuringTicket of type InvoiceSpecification. DocumentReferenceInformation must then contain a reference to the MeasuringTicketNumber of the InvoiceSpecification and a specification of the version of the InvoiceSpecification. The version is determined by TransactionHistoryNumber or Date and Time in DocumentReferenceInformation.

17 Load Tender

Please refer to the papiNet Forest Wood Supply & Bioproducts ISS Excel sheet for details of the recommended use of the papiNet Schema.

Rule	FWS_LT_001
Title	Load Tender Issue Date
Element	LoadTenderIssueDate/Time
Action	This is the date when the Business System generates the transaction/document (Business System Time Stamp). Time zone should be given on Time. When the sender changes an e-document a new date will be given, but if the e-document only is resent from the papiNet transmission server the date stays the same. The transmission timestamp in the envelope is always updated

Rule	FWS_LT_002
Title	Processing rule
Element	LoadTender root element, TransactionHistoryNumber
Action	E-document versions must be processed in an ascending order. Versions of LoadTender are controlled by TransactionHistoryNumber, which is a sequential number for each version of the e-Document starting with 1. Processing order of a new version is determined by 1. TransactionHistoryNumber is higher in the new version than in earlier processed versions of LoadTender with the same LoadTenderNumber and the same SenderParty. 2. The receiver should process a LoadTender, if the first received version of a LoadTender has a TransactionHistoryNumber with a value greater than 1. E-document versions not fulfilling above rules have to be rejected.

Rule	FWS_LT_003
Title	Confirmation of a Load Tender
Element	LoadTender root element, LoadTenderResponse root element
Action	Confirmation of a LoadTender can be done by a BusinessAcceptance with status Accepted or Rejected or by a LoadTenderResponse depending on agreement between business partners. A LoadTenderResponse is needed if the receiver needs additional information in the confirmation, e.g. some references, detailed delivery times etc. The sender of the LoadTender can send a changed version of the LoadTender before he has received a confirmation of the LoadTender. If a new version of LoadTender is received before a confirmation is done for the previous version, then a confirmation will

	be done only for the latest version.
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Rule	FWS_LT_004
Title	Load Tender Statuses
Element	@LoadTenderSegmentStatusType, @LoadTenderSegmentDocumentStatus
Action	LoadTender has two different types of statuses for segments. - An e-document exchange related status LoadTenderSegmentStatusType. This status reflects what has changed since the last version of the e-document. - An actual status for the papiNet e-document content, LoadTenderSegmentDocumentStatus. The document status clarifies how to read the document content, what is agreed or not agreed. Document status is also important from legal point of view.

Rule	FWS_LT_005
Title	Amounts
Element	LoadTender root element
Action	A positive amount is debit and a negative amount is credit.

Rule	FWS_LT_006
Title	Parties in Forest Wood Supply & Bioproducts Business
Element	BillToParty, BuyerParty, SupplierParty
Action	BillToParty, BuyerParty and SupplierParty in e-document LoadTender are parties in the Product Business of Forest Wood Supply & Bioproducts. LogisticsBillTo, LogisticsBuyer and LogisticsSupplier can be communicated in OtherParty if needed.

18 Load Tender Response

Please refer to the papiNet Forest Wood Supply & Bioproducts ISS Excel sheet for details of the recommended use of the papiNet Schema.

Rule	FWS_LR_001
Title	Load Tender Response Issue Date
Element	LoadTenderResponseIssueDate/Time
Action	This is the date when the Business System generates the transaction/document (Business System Time Stamp). Time zone should be given on Time. When the sender changes an e-document a new date will be given, but if the e-document only is resent from the papiNet transmission server the date stays the same. The transmission timestamp in the envelope is always updated

Rule	FWS_LR_002
Title	Processing rule
Element	LoadTenderResponse root element, TransactionHistoryConfirmationNumber

Action	E-document versions must be processed in an ascending order. Versions of LoadTenderResponse are controlled by TransactionHistoryConfirmationNumber, which is a sequential number for each version of the e-Documents starting with 1. Processing order of a new version is determined by 1. TransactionHistoryConfirmationNumber is higher in the new version than in earlier processed versions of LoadTenderResponse with the same LoadTenderResponseNumber and the same SenderParty. 2. The receiver should process a LoadTenderResponse if the first received version of a LoadTenderResponse has a TransactionHistoryConfirmationNumber with a value greater than 1. E-document versions not fulfilling above rules have to be rejected.
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Rule	FWS_LR_003
Title	Load Tender Response Statuses
Element	@LoadTenderResponseSegmentStatusType, @LoadTenderResponseSegmentDocumentStatus
Action	OrderConfirmation has two different types of statuses for segments. • An e-document exchange related status LoadTenderResponseSegmentStatusType. This status reflects what has changed since the last version of the e-document. • An actual status for the papiNet e-document content, LoadTenderResponseSegmentDocumentStatus. The document status clarifies how to read the document content, what is agreed or not agreed. Document status is also important from legal point of view.

Rule	FWS_LR_004
Title	Confirmation of a papiNet LoadTender e-Documents
Element	LoadTenderResponse root element, LoadTenderNumber, LoadTenderIssueDate, TransactionHistoryNumber, LoadTenderSegmentNumber
Action	The following elements are mandatory when the LoadTenderResponse is a Confirmation of a papiNet LoadTender e-Documents. • LoadTenderNumber • LoadTenderIssueDate • TransactionHistoryNumber • LoadTenderSegmentNumber The sender of the LoadTender can send a changed version of the LoadTender before he has received a confirmation of the LoadTender. If a new version of the LoadTender is received before a confirmation is done for the previous version, then a confirmation will be done only for the latest version.

Rule	FWS_LR_005
Title	Load Tender Response Segment
Element	LoadTenderResponseSegment, @IsPartialConfirmation
Action	LoadTenderResponseSegment is mandatory if attribute IsPartialConfirmation has value No or is missing (default value is No).

Rule	FWS_LR_006
Title	Amounts
Element	LoadTenderResponse root element
Action	A positive amount is debit and a negative amount is credit.

Rule	FWS_LR_007
Title	Parties in Forest Wood Supply & Bioproducts Business
Element	BillToParty, BuyerParty, SupplierParty
Action	BillToParty, BuyerParty and SupplierParty in e-document LoadTender are parties in the Product Business of Forest Wood Supply & Bioproducts. LogisticsBillTo, LogisticsBuyer and LogisticsSupplier can be communicated in OtherParty if needed.

19 Measuring Instruction

Please refer to the papiNet Forest Wood Supply & Bioproducts ISS Excel sheet for details of the recommended use of the papiNet Schema.

Rule	FWS_MI_001
Title	Measuring Instruction Issue Date
Element	DocumentIssueDate/Time
Action	This is the date when the Business System generates the transaction/document (Business System Time Stamp). Time zone should be given on Time. When the sender changes an e-document a new date will be given, but if the e-document only is resent from the papiNet transmission server the date stays the same. The transmission timestamp in the envelope is always updated

Rule	FWS_MI_002
Title	Processing rule
Element	MeasuringInstruction root element, TransactionHistoryNumber
Action	E-document versions must be processed in an ascending order. Versions of e-documents are controlled by TransactionHistoryNumber when it is supplied in the e-document. Otherwise it is controlled by the issue date and time of the e-document (DocumentIssueDate). Use of TransactionHistoryNumber is recommended. When TransactionHistoryNumber is not used, then the sender has to secure that two versions don't get the same issue date and time. Processing order of a new version is determined by 1. TransactionHistoryNumber is higher in the new version than in earlier processed versions of MeasuringInstruction with the same DocumentNumber and the same SenderParty. 2. If TransactionHistoryNumber isn't used, then the issue date of the new version has to be later than the issue date of earlier processed versions of MeasuringInstruction with the same DocumentNumber and the same SenderParty. When a replaced e-document comes as the first e-document the receiving party must be able to accept a replace without having the original e-document.

	E-document versions not fulfilling above rules have to be rejected. E.g. the replaced e-document might be the first one that arrives and it is updated in the system. Then later the original e-document arrives. In this case the original e-document must be rejected.
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Rule	FWS_MI_003
Title	Measuring of Products
Element	@MeasuringInstructionType, MeasuringInstructionLineItem
Action	MeasuringInstructionLineItem is mandatory for MeasuringInstructionType MeasuringInstruction, which is used when products are measured.

Rule	FWS_MI_004
Title	DocumentNumber
Element	DocumentNumber
Action	Maximum allowed size of DocumentNumber is 30 characters.

20 Measuring Ticket

Please refer to the papiNet Forest Wood Supply & Bioproducts ISS Excel sheet for details of the recommended use of the papiNet Schema.

Rule	FWS_MT_001
Title	Measuring Ticket Issue Date
Element	MeasuringTicketIssueDate/Time
Action	This is the date when the Business System generates the transaction/document (Business System Time Stamp). Time zone should be given on Time. When the sender changes an e-document a new date will be given, but if the e-document only is resent from the papiNet transmission server the date stays the same. The transmission timestamp in the envelope is always updated

Rule	FWS_MT_002
Title	Processing rule
Element	MeasuringTicket root element, TransactionHistoryNumber
Action	E-document versions must be processed in an ascending order. Versions of e-documents are controlled by TransactionHistoryNumber when it is supplied in the e-document. Otherwise it is controlled by the issue date and time of the e-document (MeasuringTicketDate). Use of TransactionHistoryNumber is recommended. When TransactionHistoryNumber is not used, then the sender has to secure that two versions don't get the same issue date and time. Processing order of a new version is determined by 1. TransactionHistoryNumber is higher in the new version than in earlier processed versions of MeasuringTicket with the same MeasuringTicketNumber and the same SenderParty.

	2. If TransactionHistoryNumber isn't used, then the issue date of the new version has to be later than the issue date of earlier processed versions of MeasuringTicket with the same MeasuringTicketNumber and the same SenderParty. When a replaced e-document comes as the first e-document the receiving party must be able to accept a replace without having the original e-document. E-document versions not fulfilling above rules have to be rejected. E.g. the replaced e-document might be the first one that arrives and it is updated in the system. Then later the original e-document arrives. In this case the original e-document must be rejected.
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Rule	FWS_MT_003
Title	Not used
Element	
Action	

Rule	FWS_MT_004
Title	Measuring Party
Element	MeasuringParty
Action	MeasuringParty is mandatory for all Measuring Ticket Types except for type InvoiceSpecification.

Rule	FWS_MT_005
Title	Measuring Number and Measuring Date
Element	MeasuringNumber, MeasuringDate
Action	MeasuringNumber and MeasuringDate are mandatory for all Measuring Ticket Types except for type InvoiceSpecification.

Rule	FWS_MT_006
Title	Property Values and QuantityInformation
Element	PropertyValue, QuantityInformation
Action	Quantities, e.g. Volume and Weight, measured for an item are reported in QuantityInformation. Quantities are aggregated on line item and sequence level. Adjustment quantities are specified by the attribute AdjustmentType, e.g. Excess and Reduction quantities.

Rule	FWS_MT_007
Title	Totals for packages
Element	MeasuringTicketSequence, PackageMeasuringInfo
Action	One package is reported per sequence when totals per product are needed for

	packages, e.g. for Measuring Ticket Type SampleMeasuringTicket.
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Rule	FWS_MT_008
Title	Measurements ByPackageAndItem
Element	@MeasuringType, PackageMeasuringInfo, ItemMeasuringInfo
Action	Measurements ByPackageAndItem are done on both packages and items. Measurements on packages are reported in PackageMeasuringInfo and measurements on items are reported in ItemMeasuringInfo. Quantities on MeasuringTicketSequence and MeasuringTicketSequenceLineItem are quantities generated by measurements of items. Quantities of packages are reported only in PackageMeasuringInfo.

Rule	FWS_MT_009
Title	Measurements ByLoad, ByPackage and ByTransportUnit
Element	@MeasuringType, PackageMeasuringInfo
Action	Measurements ByLoad, ByPackage and ByTransportUnit are reported in PackageMeasuringInfo. The resulting products and quantities are reported on the line items.

Rule	FWS_MT_010
Title	Rejects during measurement.
Element	ItemMeasuringInfo, PackageMeasuringInfo
Action	Rejects during measurements are reported as a product and a quantity.

Rule	FWS_MT_011
Title	Sample Measuring Ticket with Chip Fraction Info
Element	ChipFractionInfo
Action	Product and Quantity for the sample taken for measuring of chip fractions are specified as product and quantity on the line item for Measuring Ticket Type SampleMeasuringTicket.

Rule	FWS_MT_012
Title	Invoice Specification
Element	Measuring Ticket root element, PriceAndAmountInfo
Action	PriceAndAmountInfo is mandatory for Measuring Ticket Type InvoiceSpecification.

Rule	FWS_MT_013
Title	Invoice Specification Debit and Credit
Element	PriceAndAmountInfo
Action	A positive amount is debit and a negative amount is credit in MeasuringTicketType

	InvoiceSpecification.
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Rule	FWS_MT_014
Title	Measuring Info Invoicing Type
Element	@MeasuringInfoInvoicingType
Action	Attribute MeasuringInfoInvoicingType is mandatory for MeasuringTicketType InvoiceSpecification.

Rule	FWS_MT_015
Title	Package Measuring Info Gross Quantities
Element	PackageMeasuringInfo/ItemInfo/QuantityInformation
Action	Quantities for wood volume, solid wood volume, log pile volume, tipped loose volume and weight must be reported as QuantityType WoodGrossVolume, SolidWoodGrossVolume, LogPileGrossVolume, TippedLooseGrossVolume and GrossWeight, when a package, a transport unit or a load might contain more than one product. Wood volume, solid wood volume, log pile volume, tipped loose volume and weight per product for all measured packages must be specified on the line items as QuantityType WoodVolume, SolidWoodVolume, LogPileVolume, TippedLooseVolume and NetNetWeight if line items are supplied. Quantities on MeasuringTicketSequence are the sums by QuantityType of quantities on the line items and not the sums by QuantityType of quantities from PackageMeasuringInfo.

Rule	FWS_MT_016
Title	Base amount information
Element	BaseAmountInfo
Action	BaseAmountInfo is mandatory when Quantity for the product is not zero. Quantity for the product is zero when there are only adjustments specified.

Rule	FWS_MT_017
Title	Measuring Ticket Context
Element	@MeasuringTicketContextType
Action	Attribute MeasuringTicketContextType is mandatory when MeasuringTicket e-Document is used for logistics business.

Rule	FWS_MT_018
Title	Reference to InfoRequest
Element	RequestNumber
Action	RequestNumber is mandatory if MeasuringTicket is requested by the e-document InfoRequest.

Rule	FWS_MT_019
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Title	Measuring Info Versions
Element	@MeasuringInfoVersions, MeasuringInfoVersion
Action	Attribute MeasuringInfoVersions and element MeasuringInfoVersion are mandatory if multiple versions of measuring information are supplied for a measuring number. Versions of measuring info are reported on separate Measuring Ticket Sequences with the same MeasuringNumber.

Rule	FWS_MT_020
Title	Measuring Ticket Sequence Line Item
Element	MeasuringTicketSequenceLineItem, @MeasuringTicketType
Action	MeasuringTicketSequenceLineItem is mandatory for all Measuring Ticket Types except for types ArrivalTicket and SampleMeasuringTicket.

21 Order Confirmation

Please refer to the papiNet Forest Wood Supply & Bioproducts ISS Excel sheet for details of the recommended use of the papiNet Schema.

Rule	FWS_OC_001
Title	Order Confirmation Issued Date
Element	OrderConfirmationIssuedDate/Time
Action	This is the date when the Business System generates the transaction/document (Business System Time Stamp). Time zone should be given on Time. When the sender changes an e-document a new date will be given, but if the e-document only is resent from the papiNet transmission server the date stays the same. The transmission timestamp in the envelope is always updated

Rule	FWS_OC_002
Title	Processing rule
Element	OrderConfirmation root element, TransactionHistoryConfirmationNumber
Action	E-document versions must be processed in an ascending order. Versions of OrderConfirmation are controlled by TransactionHistoryConfirmationNumber, which is a sequential number for each version of the e-Document starting with 1. Processing order of a new version is determined by 1. TransactionHistoryConfirmationNumber is higher in the new version than in earlier processed versions of OrderConfirmation with the same OrderConfirmationNumber and the same SenderParty. 2. The receiver should process an OrderConfirmation, if the first received version of an OrderConfirmation has a TransactionHistoryConfirmationNumber with a value greater than 1. E-document versions not fulfilling above rules have to be rejected.

Rule	FWS_OC_003
Title	Order Confirmation Statuses

Element	@OrderConfirmationLineItemStatusType, @OrderConfirmationLineItemDocumentStatus
Action	OrderConfirmation has two different types of statuses for line items. - An e-document exchange related status OrderConfirmationLineItemStatusType. This status reflects what has changed since the last version of the e-document. - An actual status for the papiNet e-document content, OrderConfirmationLineItemDocumentStatus. The document status clarifies how to read the document content, what is agreed or not agreed. Document status is also important from legal point of view.

Rule	FWS_OC_004
Title	Confirmation of a papiNet PurchaseOrder e-Document
Element	OrderConfirmation root element, PurchaseOrderInformation, PurchaseOrderNumber, PurchaseOrderIssuedDate, PurchaseOrderLineItemNumber, TransactionHistoryNumber
Action	The following elements are mandatory when the OrderConfirmation is a Confirmation of a papiNet PurchaseOrder e-Document. - PurchaseOrderInformation - PurchaseOrderNumber - PurchaseOrderIssuedDate - TransactionHistoryNumber - PurchaseOrderLineItemNumber The sender of the PurchaseOrder can send a changed version of the PurchaseOrder before he has received a confirmation of the PurchaseOrder. If a new version of the PurchaseOrder is received before a confirmation is done for the previous version, then a confirmation will be done only for the latest version.

Rule	FWS_OC_005
Title	Amounts
Element	Contract root element
Action	A positive amount is debit and a negative amount is credit.

22 papiNet Envelope

Please refer to the papiNet Forest Wood Supply & Bioproducts ISS Excel sheet for details of the recommended use of the papiNet Schema

Rule	FWS_PE_001
Title	DocumentType
Element	Document/@DocumentType
Action	DocumentType is mandatory, if DocumentType is supplied in the e-document being wrapped into the papiNetEnvelope.

Rule	FWS_PE_002
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Title	DocumentHistoryNumber
Element	Document/DocumentHistoryNumber
Action	DocumentHistoryNumber is mandatory, if TransactionHistoryNumber is supplied in the e-document being wrapped into the papiNetEnvelope.

Rule	FWS_PE_003
Title	Time in DocumentDate
Element	DocumentDate/Time
Action	Time in DocumentDate is mandatory, if Time is supplied in the document issue date for the e-document being wrapped into the papiNetEnvelope.

Rule	FWS_PE_004
Title	OtherDocumentName
Element	Document/@OtherDocumentName, Document/@DocumentName
Action	OtherDocumentName is mandatory, if DocumentName has the value "Other".

23 Purchase Order

Please refer to the papiNet Forest Wood Supply & Bioproducts ISS Excel sheet for details of the recommended use of the papiNet Schema.

Rule	FWS_PO_001
Title	Purchase Order Issued Date
Element	PurchaseOrderIssuedDate/Time
Action	This is the date when the Business System generates the transaction/document (Business System Time Stamp). Time zone should be given on Time. When the sender changes an e-document a new date will be given, but if the e-document only is resent from the papiNet transmission server the date stays the same. The transmission timestamp in the envelope is always updated

Rule	FWS_PO_002
Title	Processing rule
Element	PurchaseOrder root element, TransactionHistoryNumber
Action	E-document versions must be processed in an ascending order. Versions of PurchaseOrder are controlled by TransactionHistoryNumber, which is a sequential number for each version of the e-Document starting with 1. Processing order of a new version is determined by 1. TransactionHistoryNumber is higher in the new version than in earlier processed versions of PurchaseOrder with the same PurchaseOrderNumber and the same SenderParty. 2. The receiver should process a PurchaseOrder, if the first received version of a PurchaseOrder has a TransactionHistoryNumber with a value greater than 1. E-document versions not fulfilling above rules have to be rejected.

Rule	FWS_PO_003
Title	Purchase Order Statuses
Element	@PurchaseOrderLineItemStatusType, @PurchaseOrderLineItemDocumentStatus
Action	PurchaseOrder has two different types of statuses for line items. - An e-document exchange related status PurchaseOrderLineItemStatusType. This status reflects what has changed since the last version of the e-document. - An actual status for the papiNet e-document content, PurchaseOrderLineItemDocumentStatus. The document status clarifies how to read the document content, what is agreed or not agreed. Document status is also important from legal point of view.

Rule	FWS_PO_004
Title	Amounts
Element	Contract root element
Action	A positive amount is debit and a negative amount is credit.

24 Service Instruction (a beta version)

Please refer to the papiNet Forest Wood Supply & Bioproducts ISS Excel sheet for details of the recommended use of the papiNet Schema.

Rule	FWS_SI_001
Title	ServiceInstruction Issue Date
Element	DocumentIssueDate/Time
Action	This is the date when the Business System generates the transaction/document (Business System Time Stamp). Time zone should be given on Time. When the sender changes an e-document a new date will be given, but if the e-document only is resent from the papiNet transmission server the date stays the same. The transmission timestamp in the envelope is always updated.

Rule	FWS_SI_002
Title	Processing rule
Element	ServiceInstruction root element, TransactionHistoryNumber
Action	E-document versions must be processed in an ascending order. Versions of e-documents are controlled by TransactionHistoryNumber when it is supplied in the e-document. Otherwise it is controlled by the issue date and time of the e-document (DocumentIssueDate). Use of TransactionHistoryNumber is recommended. When TransactionHistoryNumber is not used, then the sender has to secure that two versions don't get the same issue date and time. Processing order of a new version is determined by - TransactionHistoryNumber is higher in the new version than in earlier processed versions of ServiceInstruction with the same ServiceInstructionNumber and the same SenderParty. - If TransactionHistoryNumber isn't used, then the issue date of the new version has to be later than the issue date of earlier processed versions of

	ServiceInstruction with the same ServiceInstructionNumber and the same SenderParty. When a replaced e-document comes as the first e-document the receiving party must be able to accept a replace without having the original e-document. E-document versions not fulfilling above rules have to be rejected. E.g. the replaced e-document might be the first one that arrives and it is updated in the system. Then later the original e-document arrives. In this case the original e-document must be rejected.
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25 Shipment Status

Please refer to the papiNet Forest Wood Supply & Bioproducts ISS Excel sheet for details of the recommended use of the papiNet Schema.

Rule	FWS_SS_001
Title	Shipment Status Issue Date
Element	ShipmentStatusIssueDate/Time
Action	This will be the date when the Business System generates the transaction/document (Business System Time Stamp.) Time Zone should be given on Time. When the sender changes an e-document a new date will be given, but if the e-document only is resent from the papiNet transmission server the date stays the same. The transmission timestamp in the envelope is always updated.

Rule	FWS_SS_002
Title	Processing rule
Element	ShipmentStatus root element
Action	ShipmentStatus is an e-document created at a date and time specified by ShipmentStatusIssueDate. The sender has to secure that two ShipmentStatus e-documents don't get the same issue date and time. Unique instances of ShipmentEventInformation in ShipmentStatus e-documents must be processed in an ascending order. An instance of ShipmentEventInformation is identified by a combination of the transport reference in ShipmentEventReference (DeliveryMessageNumber) and the ShipmentEventIdentifier with attributes ShipmentEventType, ShipmentEventQualifierType and AssignedBy. Processing order of a new version of ShipmentEventInformation in a ShipmentStatus e-document is determined by The issue date of the new ShipmentStatus has to be later than the issue date of earlier processed ShipmentStatus with the same SenderParty and the same instance of ShipmentEventInformation. When an instance of ShipmentEventInformation with status Amended comes as the first version then the receiving party must be able to accept the amended instance without having the original version. Instances of ShipmentEventInformation not fulfilling above rules have to be rejected.

Rule	FWS_SS_006
Title	Parties in Forest Wood Supply & Bioproducts Business
Element	BuyerParty, SupplierParty
Action	BuyerParty and SupplierParty in e-document ShipmentStatus are parties in the Product Business of Forest Wood Supply & Bioproducts. LogisticsBuyer and LogisticsSupplier can be communicated in OtherParty if needed.

Rule	FWS_SS_007
Title	Reference to InfoRequest
Element	RequestNumber
Action	RequestNumber is mandatory if ShipmentStatus is requested by the e-document InfoRequest.