papiNet® Forest Wood Supply & Bioproducts

Recommended Business Rules for papiNet Implementation

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3 Introduction

3.1 Revision history

Business Rules Revision History

Date	Author (s)	Summary of Changes
2025-12-03	LO	Added FWS_MT_027
2025-09-05	LO	Updated copyright text and added some formatting for better readability.
2024-06-05	LO	Updated copyright text. Updated FWS_GE_018.
2024-03-13	LO	Updated FWS_BA_008 and FWS_BC_006.
2024-02-23	LO	Added FWS_GE_031 and a N.B. text in section 3.3.
2023-05-02	LO	Updated FWS_DI_007 and FWS_DM_008.
2023-04-13	LO	Updated FWS_CA_002, FWS_CA_003, FWS_IN_031, FWS_IS_002, FWS_MT_005, FWS_MT_019 and FWS_SS_002, Added FWS_CA_006, FWS_MT_025 and FWS_MT_026
2023-01-10	LO	Updated FWS_GE_007, FWS_GE_016 and FWS_GE_018. Deprecated FWS_MI_003
2022-09-29	LO	Corrected generation of the pdf-file.
2022-09-26	LO	Added FWS_GE_030.
2022-06-30	LO	Updated FWS_MI_003.
2022-05-04	LO	Updated FWS_SS_002. Added FWS_SS_003, FWS_SS_004 and FWS_SS_005.
2022-02-18	LO	Added FWS_PE_007. Updated FWS_GE_029, FWS_MT_004 and FWS_MT_005.
2021-07-06	LO	Updated FWS_BA_006 and FWS_BC_005.
2021-02-15	LO	Updated FWS_BA_001, FWS_BA_002, FWS_BC_001, FWS_BC_002, FWS_DI_009, FWS_DM_009, FWS_IS_007, FWS_LR_008, FWS_LT_007, FWS_MT_020, FWS_PE_001, FWS_PE_002 and FWS_PE_003, Added FWS_BA_005, FWS_BA_006, FWS_BA_007, FWS_BA_008, FWS_BC_004, FWS_BC_005, FWS_BC_006, FWS_PE_005 and FWS_PE_006, Deprecated FWS_DM_004.
2020-09-10	LO	Updated FWS_IN_029 and FWS_IN_030.
2020-04-15	LO	Updated Action in FWS_PE_002.
2020-02-06	LO	Updated FWS_GE_013, FWS_GE_018, FWS_MT_006 and FWS_MT_015, Added FWS_MT_024.
2019-11-05	LO	Updated FWS_GE_001, FWS_GE_015, FWS_IN_024, FWS_IN_026, FWS_MT_006, FWS_MT_012, FWS_MT_015 and FWS_MT_016,. Added FWS_MT_021, FWS_MT_022, FWS_MT_023, FWS_IN_032, FWS_IN_033, FWS_IN_034 and FWS_IN_035.
2019-03-11	LO	Updated FWS_BA_003, FWS_BC_003 and FWS_PE_003
2019-01-10	LO	Added FWS_GE_027, FWS_GE_028, FWS_GE_029 and updated FWS_GE_001.
2018-12-06	LO	Added FWS_DI_009, FWS_DM_009, FWS_LT_007 and FWS_LR_008.
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.

Date	Author (s)	Summary of Changes
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 clearifying 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.

N.B. Forest Wood Supply & Bioproducts has its own set of Business Rules that includes applicable Business Rules in papiNet documentation of e-documents. Therefore should Business Rules in papiNet documentation of e-documents be ignored in Forest Wood Supply & Bioproducts integrations of e-documents.

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:
https://www.papinet.org/
‘

papiNet Forest Wood Supply & Bioproducts User Group:
https://www.papinet.org/user-groups/forest-wood-supply-bioproducts

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 for the location where the action is taking place. Local time must be specified with or without offset to UTC for the time zone. Exceptions to this rule are specified in specific business rules for Time in date elements defined as Business System Time Stamps.

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. Note: 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 free of charge 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 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.

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 on several levels in an e-Document**
Element	*Header, *LineItem, *Segment , *Sequence
Action	If an element is used on several levels in an e-Document, then the same element on a lower level overrides the element used on the heigher level. This rule also applies to elements in a grouping child element on a level in an e-Document. Document levels in papiNet e-Documents are header, line Item, segment and sequence. An element used on header level is overrided by the same element on segment, sequence or line item levels. An element used on segment or sequence levels is overrided by the same element on line item level.

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.

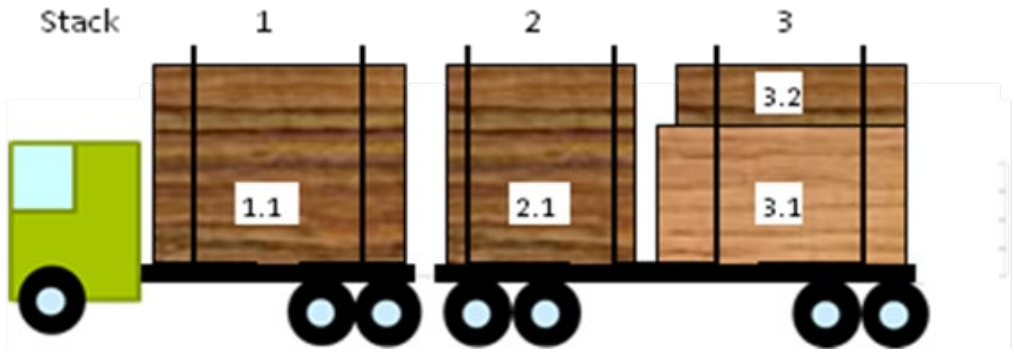
Rule	**FWS_GE_013**
Title	**Use of total quantity at summary level**
Element	Summary/TotalQuantity Summary/TotalQuantityInformation
Action	Total quantity at summary level should be repeated per set of values for quantity attributes and quantity UOM.

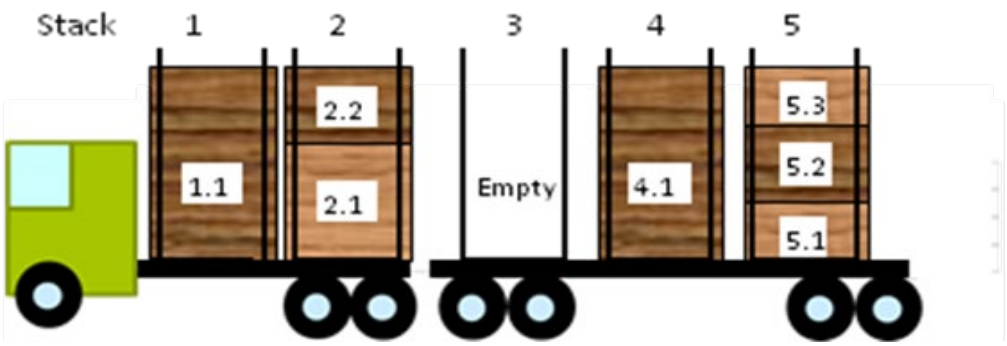
Rule	**FWS_GE_014**
Title	**Delivery Destination**
Element	DeliveryDestination in DeliveryLeg
Action	DeliveryDestination is mandatory if more than one delivery leg is used.

Rule	**FWS_GE_015**
Title	**Quantity types for weight and volume**
Element	@QuantityType, @AdjustmentType (Tare)
Action	Quantity types NetNetWeight, LogPileVolume, SolidWoodVolume, TippedLooseVolume and WoodVolume, without any AdjustmentType are used for the quantity of the product specified on line items in element Quantity. The product specification defines what is included in the quantity, for example if rejects or other deductions are included or not. Quantities named "Gross" in Forest Wood Business are normally not reported because they can be calculated as the net quantity plus all deduction quantities defined by AdjustmentType (Tare) as Deduction and Excess as well as optional QuantityRejectsAndDeductions depending on the actual use case. In special use cases when a quantity named "Gross" is required, then AdjustmentType NetAndDeductions can be used to indicate a "Gross" quantity. N.B. Quantity types GrossWeight, LogPileGrossVolume, SolidWoodGrossVolume, TippedLooseGrossVolume and WoodGrossVolume should never be used in new implementatons. LogPileGrossVolume, SolidWoodGrossVolume, TippedLooseGrossVolume and WoodGrossVolume will be deprecated in the future papiNet version V3R00.

Rule	**FWS_GE_016**
Title	**Monetary Adjustments and Charge Information**
Element	MonetaryAdjustment, ChargeInformation
Action	MonetaryAdjustment is used for specification of tax and additions/deductions related to an amount adjustment without any change of invoiced quantity, e.g. Rebate and Price Correction. ChargeInformation is used for specification of additions/deductions related to an invoiced quantity for products and services, e.g. Reject deduction and Transport costs.

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.

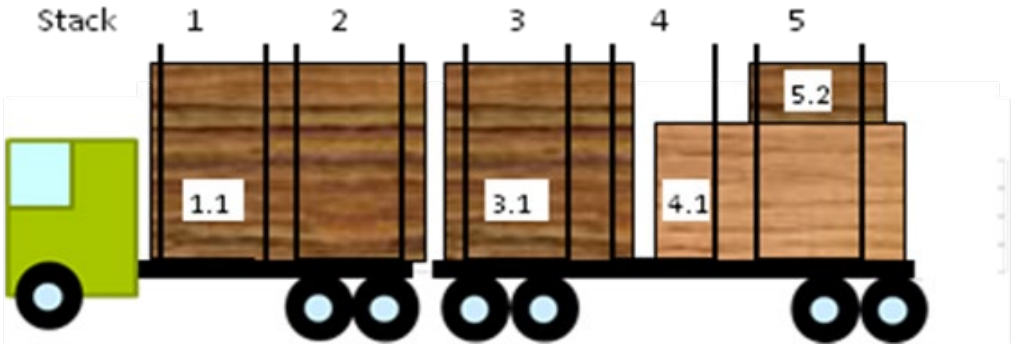
Rule	**FWS_GE_018**
Title	**Identifier for log piles and loose volume items loaded on transport units**
Element	PackageInformation/Identifier, PackageMeasuringInfo/ItemInfo/Identifier
Action	Log piles are loaded into loading stacks and loose volume items are loaded into open top containers. Several loose volume items can be loaded into one open top container, if they are kept separated by for example a tarpaulin. How to assign identifiers to log piles are described below. Assigning identifiers to loose volume items are done in the same way as for log piles by replacing loading stacks with open top containers. When log piles are loaded on a transport unit, each is given an identifier that specifies the loading position on the transport unit. A transport unit for roundwood has a number of loading stacks for log piles, typically up to 5 loading stacks. Several log piles can be loaded on top of each other 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 number horizontally. Loading positions counted are loading stacks and/or open top containers. Y = Loading position number vertically, i.e. the number of the log pile within a loading stack or the number of the loose volume item within an open top container, both 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 ("."). **Road transports** 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 on roads. 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.

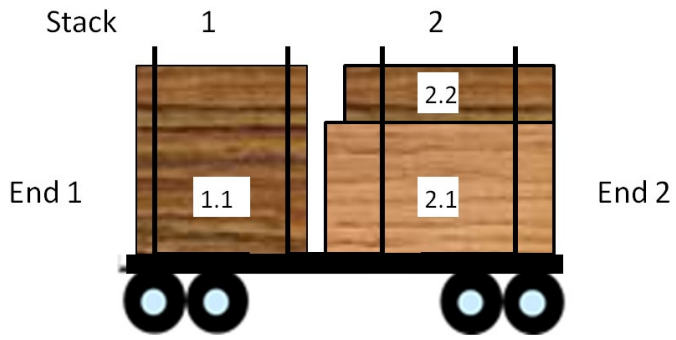
Rail transports

Loading stacks are given sequential numbers counted from the "End 1" of the railcar and starting with 1. "End 1" of the railcar is described in section 3.4 of the European Guideline for the Identification of Railways Assets using GS1 Standards,

(https://www.gs1.org/docs/technical_industries/Rail/european-guideline-for-the-identification-of-railway-assets-using-gs1-standards.pdf).

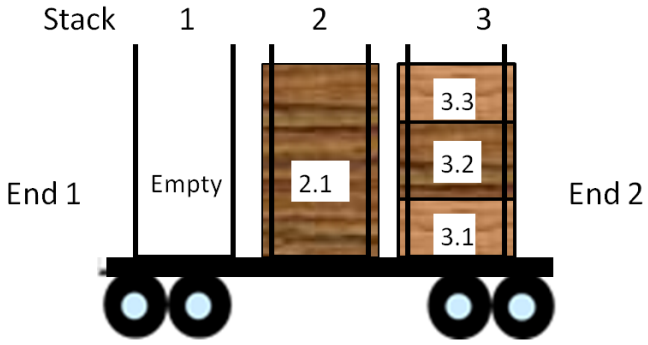
"End 1" of the railcar is also the non-handbrake end, if the railcar has a handbrake.

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



Transport unit identifier for the RailCar with 2 loading stacks is 917400000019.

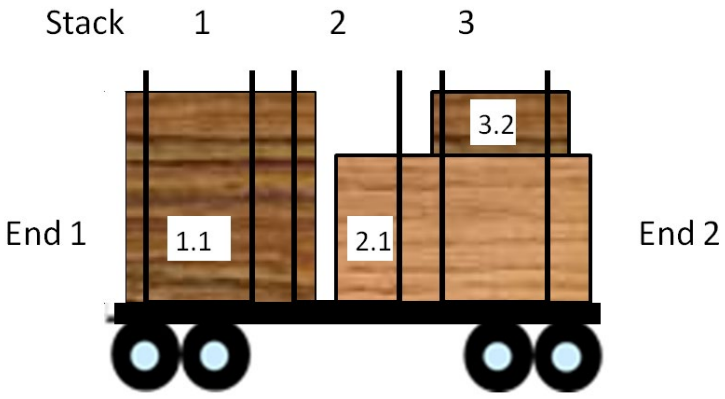
The Identifier for the first log pile is 917400000019_1.1, followed by log pile 917400000019_2.1 and 917400000019_2.2.



Transport unit identifier for the RailCar with 3 loading stacks is 917400000019.

Loading stack number 1 is empty.

The Identifier for the first log pile is 917400000019_2.1, followed by log pile 917400000019_3.1, 917400000019_3.2 and 917400000019_3.3.



Transport unit identifier for the RailCar with 3 loading stacks is 917400000019.

The transport unit is loaded with long logs taken up more space than one loading stack.

The Identifier for the first log pile is 917400000019_1.1, followed by log pile 917400000019_2.1 and 917400000019_3.2.

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".

Rule	**FWS_GE_027**
Title	**Date and time for version of an item**
Element	VersionDate/Time
Action	This is the date and time when the Business System creates or updates a version of an item (Business System Time Stamp). Time zone should be given on Time.

Rule	**FWS_GE_028**
Title	**Date and time for a DeliverySource**
Element	DeliverySourceDate/Time
Action	This is the date and time when the Business System creates or updates a DeliverySource (Business System Time Stamp). Time zone should be given on Time.

Rule	**FWS_GE_029**
Title	**Issue Date and Time**
Element	IssueDate/Time
Action	This is the date and time when the Business System creates or updates an item (Business System Time Stamp). Time zone should be given on Time.

Rule	**FWS_GE_030**
Title	**Attribute AssignedBy**
Element	**@AssignedBy in reference constructs**
Action	Attribute AssignedBy is Required in reference constructs when the referenced item is assigned by a party or an agency included in the enumerations of AssignedBy. Attribute AssignedBy is Optional in reference constructs in the papiNet schema and the ISS because some referenced items are not assigned by a party or an agency included in the enumerations of AssignedBy, for example TransportUnitIdentifier.

Rule	**FWS_GE_031**
Title	**Forest Wood Supply & Bioproducts Business Rules**
Element	Root element
Action	Business Rules in papiNet documentation of e-documents should be ignored in Forest Wood Supply & Bioproducts integrations of e-documents. Forest Wood Supply & Bioproducts has its own set of Business Rules including applicable Business Rules in papiNet documentation of e-documents.

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 papiNet e-Document being confirmed with the BusinessAcceptance.

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.

Rule	**FWS_BC_003**
Title	**Time in DocumentDate**
Element	DocumentDate/Time
Action	Time is mandatory if supplied in the document issue date for the document that is accepted or rejected. Time shall have the same format as in the document that is accepted or rejected.

Rule	**FWS_BC_004**
Title	**TransactionHistoryNumber in Document**
Element	Document/TransactionHistoryNumber
Action	TransactionHistoryNumber in the element Document is mandatory in case it is supplied in the document being confirmed by the BusinessAcceptance.

Rule	**FWS_BC_005**
Title	**Processing Rule**
Element	BusinessAcceptance root element
Action	A business party must only confirm a version of a document once with a BusinessAcceptance. If a business receiver of a BusinessAcceptance has processed a BusinessAcceptance from a business party confirming a version of a document, then any other Business Acceptances from this business party confirming the same version of the document must be ignored.

Rule	**FWS_BC_006**
Title	**Other XML documents than papiNet e-Documents**
Element	BusinessAcceptance root element, Document/@OtherDocumentName
Action	Other XML documents than papiNet e-Documents can be wrapped into the papiNetEnvelope. When a such document wrapped into the papiNetEnvelope is confirmed with a BusinessAcceptance, then the content of the element Document in the BusinessAcceptance must contain the corresponding items as in the content of the element Document in the papiNetEnvelope wrapping the confirmed document. Hence, if there is a value in papiNetEnvelope/PayloadInfo/Document/DocumentHistoryNumber of the papiNetEnvelope wrapping the XML document, this value must be provided in BusinessAcceptance/Document/TransactionHistoryNumber. N.B. Other XML document constructs might not contain document type, document number, document date and transaction history number. These items can be added and communicated in the papiNetEnvelope, when missing in the other XML document construct.

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 papiNet 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.

Rule	**FWS_BA_003**
Title	**Time in DocumentDate**
Element	DocumentDate/Time
Action	Time is mandatory if supplied in the document issue date for the document that is acknowledged. Time shall have the same format as in the acknowledged document.

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

Rule	**FWS_BA_005**
Title	**TransactionHistoryNumber in Document**
Element	Document/TransactionHistoryNumber
Action	TransactionHistoryNumber in the element Document is mandatory in case it is supplied in the document being acknowledged.

Rule	**FWS_BA_006**
Title	**Processing Rule**
Element	BusinessAcknowledgement root element
Action	A business party must only acknowledge a version of a document once with a BusinessAcknowledgement. If a business receiver of a BusinessAcknowledgement has processed a BusinessAcknowledgement from a business party acknowledging a version of a document, then any other Business Acknowledgements from this business party acknowledging the same version of the document must be ignored.

Rule	**FWS_BA_007**
Title	**Validation of a received document content against its XML schema**
Element	BusinessAcknowledgement root element
Action	A BusinessAcknowledgement must not be issued, if validation of a received document content against its XML schema fails before the document is presented to the receiver's ERP system.

Rule	**FWS_BA_008**
Title	**Other XML documents than papiNet e-Documents**
Element	BusinessAcknowledgement root element, Document/@OtherDocumentName
Action	Other XML documents than papiNet e-Documents can be wrapped into the papiNetEnvelope. When such a document wrapped into the papiNetEnvelope is acknowledged by a BusinessAcknowledgement, then the content of the element Document in the BusinessAcknowledgement must contain the corresponding items as in the content of the element Document in the papiNetEnvelope wrapping the acknowledged document. Hence, if there is a value in papiNetEnvelope/PayloadInfo/Document/DocumentHistoryNumber of the papiNetEnvelope wrapping the XML document, this value must be provided in BusinessAcknowledgement/Document/TransactionHistoryNumber. N.B. Other XML document constructs might not contain document type, document number, document date and transaction history number. These items can be added and communicated in the papiNetEnvelope, when missing in the other XML document construct.

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.

Rule	**FWS_CA_002**
Title	**Processing rule**
Element	Calendar root element, attribute CalendarStatus, TransactionHistoryNumber
Action	Attribute CalendarStatus and TransactionHistoryNumber must not be used in Calendar e document, so Calendar is always issued with a new CalendarNumber. The receiver should process the Calendar e-document only if the CalendarIssueDate is later than 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 same SenderParty and the same LocationParty. E-documents not fulfilling above rule must be ignored. 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 control the processing order of the Calendar e documents.

Rule	**FWS_CA_003**
Title	**Calendar changes and cancellations**
Element	Calendar root element, CalendarEntry
Action	Attribute CalendarStatus and TransactionHistoryNumber must not be used in Calendar e-document, so Calendar is always issued with a new CalendarNumber. 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.

Rule	**FWS_CA_006**
Title	**Calendar Sequence**
Element	CalendarSequence
Action	Only one CalendarSequence is allowed in Calendar e-document. This limitation is caused by the processing rule FWS_CA_002.

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-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 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-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 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.

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.

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 1. TransactionHistoryNumber is higher in the new version than in earlier processed versions of Contract 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 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.

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 AddionalText 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	DeliveryInstructionSequence/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”.

Rule	**FWS_DI_009**
Title	**Quantity per SupplyPoint on line item**
Element	DeliveryInstructionSequenceLineItem/SupplyPoint
Action	SupplyPoint on line item is used, if loading and/or unloading of a specific product quantity is instructed to only be done at one or several specified supply points. All supply points are specified in DeliveryOrigin for loading and in ShipToCharacteristics and DeliveryDestination for unloading. The total product quantity is specified on the line item. The product quantity per supply point is specified in SupplyPoint/SupplyPointCharacteristics on the line item of the product.

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	Deprecated
Element	
Action	

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	DeliveryMessageHeader/ShipToCharacteristics
Action	ShipToCharacteristics is mandatory for all delivery message types except for LoadedSpecification.

Rule	**FWS_DM_009**
Title	**Quantity per SupplyPoint on line item**
Element	DeliveryMessageLineItem/SupplyPoint
Action	SupplyPoint on line item is used, if loading and/or unloading of the product is done at more than one supply point. All supply points for the delivery are specified in DeliveryOrigin for loading and in ShipToCharacteristics and DeliveryDestination for unloading. The product quantity per supply point is reported in SupplyPoint/SupplyPointCharacteristics on the line item of the product. The total quantity for the product is reported on the line item.This makes it possible to update stock records at supply points without using co-loading for the transport.

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.

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	The receiver should accept the InventoryStatus e-document only if the InventoryStatusIssuedDate is later then the InventoryStatusIssuedDate of earlier processed InventoryStatus e-documents with the same LocationParty and the same SenderParty. InventoryStatus is an e-document created at a date and time specified by InventoryStatusIssuedDate. SenderParty, LocationParty (i.e. storage location) and InventoryStatusIssuedDate control the processing order of the InventoryStatus e-documents.

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.

Rule	**FWS_IS_007**
Title	**Storage location**
Element	InventoryStatusLineItem/LocationParty, InventoryStatusLineItem/SupplyPoint
Action	LocationParty specifies the storage location. Products can be stored at many supply points within a storage location. The total quantity for a product is reported on the line item. The product quantity per supply point is reported in SupplyPoint/SupplyPointCharacteristics on the line item of the product.

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	
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	
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 VATIdentificationNumber • **Buyer information** Name1 Address1 PostalCode City Country VATIdentificationNumber • **ProductDescription** • **Quantity** • **PricePerUnit** • **TaxType** • **TaxPercent** • **TaxAmount** • **DeliveryDateWindow** • **TaxStatement**

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	NameAdress (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, Product and ChargeOrAllowance.
Action	**Action when attribute InvoiceContextType = "Product":** The base price and base net amount are specified in InvoiceLineBaseAmountInformation. In this case Product is mandatory and ChargeOrAllowance is not used. **Action when attribute InvoiceContextType = "LogisticsService":** When the Product on the line item is a product of the logistics business, then the base price and base net amount for the logistics service are specified in InvoiceLineBaseAmountInformation. In this case ChargeOrAllowance is not used. When the Product on the line item is not used or is not a product of the logistics business, then the base price and the the base net amount for the logistics service are specified in ChargeInformation. In this case ChargeOrAllowance is mandatory. When InvoiceContextType = "LogisticsService" then the Product on the line item may be the product handled by the logistics service, for example the product transported.

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 except when ChargeOrAllowance is 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/DocumentReferenceInformation
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 The DocumentReferenceInformation element is used on line level with a DocumentReferenceIDType IntraStatNumber.

Rule	**FWS_IN_030**
Title	**CreditNote reference**
Element	InvoiceHeader/DocumentReferenceInformation
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**
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 including the TransactionHistoryNumber of the InvoiceSpecification or the issue date and time of the InvoiceSpecification (Date and Time in DocumentReferenceInformation).

Rule	**FWS_IN_032**
Title	**Invoice Context**
Element	@InvoiceContextType
Action	Attribute InvoiceContextType is mandatory.

Rule	**FWS_IN_033**
Title	**Use of ChargeOrAllowance**
Element	ChargeOrAllowance
Action	ChargeOrAllowance is mandatory when InvoiceLineBaseAmountInformation is not used. ChargeOrAllowance is not used when an InvoiceLineBaseAmountInformation is specified for a Product.

Rule	**FWS_IN_034**
Title	**Quantity on line items in an Invoice**
Element	Quantity
Action	**Action when attribute InvoiceContextType = "Product":** Quantity on the line item is the invoiced quantity when InvoiceLineBaseAmountInformation is used. Quantity on the line item is zero when InvoiceLineBaseAmountInformation is not used. A**ction when attribute InvoiceContextType = "LogisticsService":** Quantity on the line item is the invoiced quantity when InvoiceLineBaseAmountInformation is used or when a base net amount is specified in ChargeInformation. Quantity on the line item is zero when InvoiceLineBaseAmountInformation is not used and when a base net amount is not specified in ChargeInformation.

Rule	**FWS_IN_035**
Title	**Parties in Logistics Business**
Element	BillToParty, BuyerParty, SupplierParty, @InvoiceContextType
Action	BillToParty, BuyerParty and SupplierParty in e-document Invoice are parties in the Logistics Business when attribute InvoiceContextType = "LogisticsService". LogisticsSeller can be communicated in OtherParty if needed.

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.

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.

Rule	**FWS_LT_007**
Title	**SupplyPoint on line item**
Element	LoadTenderLineItem/SupplyPoint
Action	SupplyPoint on line item is used, if loading and/or unloading of a specific product quantity is to be done at one or several supply points. All supply points are specified in ShipFromCharacteristics for loading and in ShipToCharacteristics for unloading. The total quantity for the product is specified on the line item. The product quantity per supply point is specified in SupplyPoint/SupplyPointCharacteristics on the line item of the product.

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-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 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.

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-Document**
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-Document. • 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.

Rule	**FWS_LR_008**
Title	**SupplyPoint on line item**
Element	LoadTenderResponseLineItem/SupplyPoint
Action	SupplyPoint on line item is used, if loading and/or unloading of a specific product quantity is to be done at one or several supply points. All supply points are specified in ShipFromCharacteristics for loading and in ShipToCharacteristics for unloading. The total quantity for the product is specified on the line item. The product quantity per supply point is specified in SupplyPoint/SupplyPointCharacteristics on the line item of the product.

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 DocuemntNumber 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_MI_003**
Title	**Deprecated**
Element	
Action	

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.

Rule	**FWS_MT_003**
Title	**Not used**
Element	
Action	

Rule	**FWS_MT_004**
Title	**Measuring Party**
Element	MeasuringTicketHeader/MeasuringParty, MeasuringTicketSequence/MeasuringSpecification/MeasuringParty
Action	Measuring Party is mandatory for all Measuring Ticket Types except for type InvoiceSpecification. Measuring Party is specified either in MeasuringTicketHeader/MeasuringParty or in MeasuringTicketSequence/MeasuringSpecification/MeasuringParty. Measuring Party is specified in MeasuringTicketHeader/MeasuringParty, when measurements specified in all Measuring Ticket Sequences have the same Measuring Party. Measuring Party is specified in MeasuringTicketSequence/MeasuringSpecification/MeasuringParty, when measurements specified in Measuring Ticket Sequences have different Measuring Parties.

Rule	**FWS_MT_005**
Title	**Measuring Number and Measuring Date**
Element	MeasuringNumber, MeasuringDate
Action	MeasuringNumber, MeasuringDate and are mandatory for all Measuring Ticket Types except for types ProductionTicket and InvoiceSpecification when the InvoiceSpecification is an specification of an Invoice and having a reference to the Invoice.

Rule	**FWS_MT_006**
Title	**Property Values and QuantityInformation**
Element	PropertyValue, ItemInfo/QuantityInformation
Action	Quantities, e.g. Volume and Weight, measured for an item are reported in QuantityInformation in ItemInfo.

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.

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	MeasuringTicket root element, MeasuringTicketSequenceLineItem/PriceAndAmountInfo
Action	PriceAndAmountInfo on MeasuringTicketSequenceLineItem is mandatory for MeasuringTicketType = "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.

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, Quantities**
Element	PackageMeasuringInfo/ItemInfo/QuantityInformation MeasuringTicketSequence/QuantityInformation
Action	When a package, a transport unit or a load is reported in PackageMeasuringInfo, it may contain more than one product. Quantity per product is reported on line items. If line items are supplied, then quantities on MeasuringTicketSequence are the sum by QuantityType of quantities from the line items and not the sum by QuantityType of quantities from PackageMeasuringInfo. Quantity types LogisticsGrossWeight and LogisticsNetWeight are reported in QuantityInformation/InformationalQuantity on MeasuringTicketSequence.

Rule	**FWS_MT_016**
Title	**Base Amount Information in an Invoice Specification.**
Element	MeasuringTicketSequenceLineItem/PriceAndAmountInfo/BaseAmountInfo, MeasuringTicketSequenceLineItem/Product, MeasuringTicketSequenceLineItem/ChargeOrAllowance
Action	**Action when attribute MeasuringTicketContextType = "Product":** The base price and the base net amount are specified in BaseAmountInfo. In this case Product is mandatory and ChargeOrAllowance is not used. **Action when attribute MeasuringTicketContextType = "LogisticsService":** When the Product on the line item is a product of the logistics business, then the base price and base net amount for the logistics service are specified in BaseAmountInfo. In this case ChargeOrAllowance is not used. When the Product on the line item is not used or is not a product of the logistics business, then the base price and the base net amount for the logistics service are specified in ChargeInformation. In this case ChargeOrAllowance is mandatory. When MeasuringTicketContextType = "LogisticsService" then the Product on the line item may be the product handled by the logistics service, for example the product transported

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**
Title	**Measuring Info Versions**
Element	@MeasuringInfoVersions
Action	Attribute MeasuringInfoVersions is 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, PropertyTicket and SampleMeasuringTicket.

Rule	**FWS_MT_021**
Title	**Product on line item**
Element	MeasuringTicketSequenceLineItem/Product, MeasuringTicketSequenceLineItem/ChargeOrAllowance
Action	Product is mandatory on line items except when ChargeOrAllowance is used in Invoice Specifications.

Rule	**FWS_MT_022**
Title	**Charge Or Allowance in an Invoice Specification**
Element	ChargeOrAllowance
Action	ChargeOrAllowance is mandatory when BaseAmountInfo is not used in an Invoice Specification. ChargeOrAllowance is not used when a BaseAmountInfo is specified for a Product.

Rule	**FWS_MT_023**
Title	**Quantity on line items in an Invoice Specification**
Element	MeasuringTicketSequenceLineItem/QuantityInformation/Quantity
Action	**Action when attribute MeasuringTicketContextType = "Product":** Quantity on the line item is the invoiced quantity when BaseAmountInfo is used. Quantity on the line item is zero when BaseAmountInfo is not used. A**ction when attribute MeasuringTicketContextType = "LogisticsService":** Quantity on the line item is the invoiced quantity when BaseAmountInfo is used or when a base net amount is specified in ChargeInformation. Quantity on the line item is zero when BaseAmountInfo is not used and when a base net amount is not specified in ChargeInformation.

Rule	**FWS_MT_024**
Title	**Aggregation of quantities**
Element	MeasuringTicketSequenceLineItem/QuantityInformation MeasuringTicketSequence/QuantityInformation
Action	Quantity and InformationalQuantity are aggregated • From Item Measuring Infos to MeasuringTicketSequenceLineItem when ItemMeasuringInfo is used. • From Measuring Ticket Sequence Line Items to MeasuringTicketSequence. Aggregation of Quantity is done per set of values for quantity attributes and quantity UOM only when they are of the same kind for all items. The same rule applies to InformationalQuantity, if Quantity is aggregated.

Rule	**FWS_MT_025**
Title	**Measuring Info Version**
Element	MeasuringInfoVersion
Action	MeasuringInfoVersion is mandatory for specification of the version of the measuring information identified by the MeasuringNumber on the MeasuringTicketSequence for all Measuring Ticket Types except for types ProductionTicket and InvoiceSpecification when the InvoiceSpecification is an specification of an Invoice and having a reference to the Invoice.

Rule	**FWS_MT_026**
Title	**Measuring Ticket Status Type**
Element	@MeasuringTicketStatusType, MeasuringInfoVersion
Action	The attribute MeasuringTicketStatusType must only have value “Original” when MeasuringInfoVersion is used for specification of the version of the measuring information identified by the MeasuringNumber on the MeasuringTicketSequence.

Rule	**FWS_MT_027**
Title	**Identifier for a package when measuring ByTransportUnit or ByLoad.**
Element	PackageMeasuringInfo/ItemInfo/Identifier
Action	When measuring ByTransportUnit or ByLoad, then the identifier of the package is specified as a sequential number with the attributes IdentifierCodeType = “Measurer” and IdentifierType = “Primary”. The identifiers of Transport Units and the Load should both be specified in the MeasuringTicket when measuring ByTransportUnit. The Load can be specified by a Delivery Message Number or a Waybill Identifier in MeasuringTicketSequence/DocumentReferenceInformation. When more than one Transport Unit are measured, then the identifier of the measured Transport Unit should be specified in PackageMeasuringInfo/ItemInfo/ItemReference.

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	OrderConfirmation 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 papiNet e-document being wrapped into the papiNetEnvelope.

Rule	**FWS_PE_002**
Title	**DocumentHistoryNumber**
Element	Document/DocumentHistoryNumber
Action	DocumentHistoryNumber is mandatory, if the document version is supplied in the document being wrapped into the papiNetEnvelope. The version of a papiNet e-document is supplied in TransactionHistoryNumber or TransactionHistoryConfirmationNumber. TransactionHistoryConfirmationNumber is used for the version, when the papiNet e-document is a confirmation document, e.g. OrderConfirmation, LoadTenderResponse, RFQResponse, CallOff of type CallOffConfirmation, LoadAvailable of type LoadAvailableConfirmation and ShippingInstructions of type ShippingInstructionsConfirmation.

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 document being wrapped into the papiNetEnvelope. Time shall have the same format as in the 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".

Rule	**FWS_PE_005**
Title	**OtherDocumentType**
Element	Document/@OtherDocumentType
Action	OtherDocumentType is mandatory, if other document type is supplied in the other XML document being wrapped into the papiNetEnvelope.

Rule	**FWS_PE_006**
Title	**Other XML documents than papiNet e-Documents**
Element	papiNetEnvelope root element, Document/@OtherDocumentName
Action	Other XML documents than papiNet e-Documents can be wrapped into the papiNetEnvelope. Other XML document constructs might not contain other document type, document number, document date and document history number. These items can be added and communicated in the element Document of the papiNetEnvelope, when missing in other XML document constructs.

Rule	**FWS_PE_007**
Title	**Processing rule for Other XML Documents wrapped into a papiNetEnvelope**
Element	papiNetEnvelope root, Document/@OtherDocumentName
Action	OtherDocument versions wrapped into a papiNetEnvelope must be processed in an ascending order. Versions of an OtherDocument are controlled by DocumentHistoryNumber when it is supplied in the papiNetEnvelope. Otherwise it is controlled by the issue date and time of the DocumentDate in the papiNetEnvelope. Use of DocumentHistoryNumber is recommended. When DocumentHistoryNumber 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 of an OtherDocument is determined by 1. DocumentHistoryNumber is higher in the new version than in earlier processed versions of the OtherDocument with the same DocumentNumber, the same OtherDocumentName, the same OtherDocumentType and the same BusinessSender. 2. If DocumentHistoryNumber isn't used, then the issue date and time of the new version (DocumenttDate) has to be later than the issue date and time of earlier processed versions of the OtherDocument with the same DocumentNumber, the same OtherDocumentName, the same OtherDocumentType and the same BusinessSender. OtherDocument versions not fulfilling above rules have to be ignored.

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	PurchaseOrder root element
Action	A positive amount is debit and a negative amount is credit.

24 Service 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_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 1. TransactionHistoryNumber is higher in the new version than in earlier processed versions of ServiceInstruction with the same ServiceInstructionNumber 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 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.

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 for instances of ShipmentEventInformation**
Element	ShipmentStatus root element, ShipmentEventInformation
Action	Versions of ShipmentEventInformation identified by the ShipmentEventIdentifer and the AssignedBy party must be processed in an ascending order. Processing order of a new version is determined by 1. VersionNumber is higher in the new version than in earlier processed versions of ShipmentEventInformation with the same ShipmentEventIdentifer and the same AssignedBy party. 2. If VersionNumber isn't used, then the VersionDate for the new version has to be later than the VersionDate for earlier processed versions of ShipmentEventInformation with the same ShipmentEventIdentifer and the same AssignedBy party. When a ShipmentEventInformation with status Amended is received as the first instance, then the receiving party must be able to accept this instance without having received a ShipmentEventInformation with status Original. Versions of ShipmentEventInformation not fulfilling above rules must be ignored. ShipmentStatus is an e-document created at a date and time specified by ShipmentStatusIssueDate. There is no document status of ShipmentStatus e-document, so ShipmentStatus is always issued with a new ShipmentStatusNumber. One or several instances of ShipmentEventInformation for a shipment can be reported in a ShipmentStatus e-document. An instance of ShipmentEventInformation is uniquely identified by the ShipmentEventIdentifer, the AssignedBy party and either VersionNumber or VersionDate. Use of VersionNumber is recommended.

Rule	**FWS_SS_003**
Title	**Shipment Event Date**
Element	ShipmentEventDate, ShipmentStatusDate
Action	ShipmentEventDate is the date and time when the shipment event specified by ShipmentEventType and ShipmentEventQualifierType has occurred. N.B. For this shipment event the ShipmentStatusDate is the same as ShipmentEventDate. A later shipment event having the same ShipmentEventType, ShipmentEventQualifierType and ShipmentEventDate but a later ShipmentStatusDate will report new transport status information for the shipment.

Rule	**FWS_SS_004**
Title	**Shipment Status Date**
Element	ShipmentStatusDate
Action	ShipmentStatusDate is mandatory. The ShipmentStatusDate specifies the date and time for the transport status information in a shipment event.

Rule	**FWS_SS_005**
Title	**Version Date**
Element	VersionDate
Action	VersionDate is mandatory.

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.