papiNet® Forest Wood Supply & Bioproducts

Use Case 04
Roundwood to a Pulp Mill in Central Europe

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2. FWS Use Case 04 - Roundwood to a Pulp Mill in Central Europe

2.1 Overview

The Forest Company is making pulpwood available on the European Union market and is selling pulpwood to a Pulp Mill Company. The Forest Company is compliant with the EU Deforestation Regulation (EUDR) and sends to the Pulp Mill Company the unique reference number of a due diligence statement registered in the EU system TRACES as well as the verification number for accessing data of a due diligence statement. Transports are operated by the Transport Company. The Forest Company is the buyer of the transport services.

The Forest Company sends a **Delivery Planning #1** to the Pulp Mill Company to declare wood origins and estimated quantities to be delivered to the mill. The Delivery Planning declares four origins (four logging areas with plot numbers and if available wood sale catalog references). The Forest Company specifies the EUDR reference number of a due diligence statement and the verification number in **Delivery Planning #1** for the product when originating from the specified wood origin.

The Pulp Mill Company sends back a **Delivery Planning #2** and reports for each wood origin the distance for loads as a base for billing of the transport. Without a declaration of wood origin from the supplier and the response from the mill, no receptions are possible at the mill.

The Forest Company sends a **Delivery Instruction** to the Transport Company to give instructions for deliveries of pulpwood to the Pulp Mill. The delivery is made by truck from one logging area with one supply point. The Transport Company accepts to carry out this delivery instruction by responding with a **Business Acceptance**.

After loading, the Transport Company sends to the Forest Company an **Inventory Status** to inform about quantity remaining (up-to-date quantity of the product at the roadside landing). It is used especially when the logpile at roadside is empty or nearly empty. In this use case, the Forest Company is informed that the roadside landing is now empty.

The Transport Company sends to the Forest Company a **Delivery Message** after loading as a delivery information.

The Transport Company sends a **Shipment Status** with actual transport information and as a proof of delivery.

The Pulp Mill Company is responsible fror reception operations and measuring. In this use case the Pulp Mill Company doesn’t receive any Delivery Message and other e-documents, so information needed for measuring and reporting of Measuring Tickets needs to be received by other means.

The measurer belongs to the Pulp Mill Company. The Pulp Mill Company sends a **Measuring Ticket type MeasuringTicket** to the Forest Company when the delivery is measured. Delivered logs are measured by load.The delivery contains one product from one supply point at the logging area. Quantity of the product is measured by weight scaling. Invoicing of the delivered product is based on the MeasuringTicket.

The Pulp Mill Company sends a **Measuring Ticket type ArrivalTicket** (weighing ticket) to the Transport Company after the truck load has been received and measured.

Invoicing of transport costs are based on the quantity measured at the Pulp Mill and on the distance with load given in the DeliveryInstruction plus distance on private roads given in the ShipmentStatus. The Transport Company sends an **Invoice** to the Forest Company for payment of the transport costs. One Invoice is sent for all the deliveries of the month. In this Use Case, the Invoice is based on two deliveries for the month.

The Forest Company sends an **Invoice** to the Pulp Mill Company for payment of the delivered products. One Invoice is sent for all the deliveries of the month. In this Use Case, the Invoice is based on two deliveries for the month.

It is recommended to use papiNet e-document **Business Acknowledgement** as a system acknowledgement for all received papiNet e-documents. An e-document receiver uses the Business Acknowledgement to notify the sender that a document has been successfully presented to the receiver's ERP system. The Status with value Success or Failure specifies whether the document content has been validated without or with errors when presented to the receiver's ERP system.

papiNet e-documents are recommended to be wrapped into the **papiNet Envelope** before they are sent. The xml-file that is sent to the receiving party consists of the papiNet Envelope and the papiNet e-document. Routing and processing of e-documents are much easier to implement in a consistent way by using the papiNet Envelope. Attachments to the papiNet e-document can also be wrapped and sent in the papiNet Envelope. Additional transmission envelopes can be used by the message service when transmitting the message.

2.2 Delivery Planning #1

The Forest Company is selling pulpwood to a Pulp Mill Company. Transports are operated by the Transport Company. The Forest Company is the buyer of the transport services.
The Forest Company sends a **Delivery Planning #1** type DeliveryPlan to the Pulp Mill Company to declare wood origins and estimated quantities to be delivered to the mill.
The Forest Company specifies the EUDR reference number of a due diligence statement and the verification number in DeliveryPlanningSequenceLineItem/SafetyAndEnvironmentalInformation for the product when originating from the specified wood origin in DeliveryPlanningSequence/DeliveryOrigin.

Scope: Declaration of four wood origins (4 Logging areas with plot numbers and wood sale catalog references but without supply point).

XML-file: UC04_2.2_DeliveryPlanning_ForestCompany_yyyy-mm-dd.xml

2.3 Delivery Planning #2

The Forest Company is supplying pulpwood to a Pulp Mill Company. Transports are operated by the Transport Company. The Forest Company is the buyer of the transport services.
The Forest Company sends a **Delivery Planning #1** type DeliveryPlan to the Pulp Mill Company to declare wood origins and estimated quantities to be delivered at the mill. The Delivery Planning declares four origins (four logging areas with plot numbers and wood sale catalog references). The Pulp Mill Company sends back a **Delivery Planning #2** type DeliveryPlan and reports for each logging area the distance for loads as a base for billing of the transport. Without a declaration of wood origin from the supplier and the response from the mill, no receptions are possible at the mill.

Scope: Information of distance for loads for each declared origin, as a base for billing of the transport.

XML-file: UC04_2.3_DeliveryPlanning_PulpMill_yyyy-mm-dd.xml

2.4 Delivery Instruction

The Forest Company is supplying pulpwood to a Pulp Mill. Wood supply organisation of the Forest Company is selling pulpwood to the Pulp Mill Company. Transports are operated by the Transport Company. The Forest Company is the buyer of the transport services.
The Forest Company sends a **Delivery Instruction** type DeliveryInstruction to the Transport Company to give instructions for deliveries of pulpwood to the pulp mill.

Scope: 1 Logging area with 1 supply point, 1 ShipToParty taking 1 product, 1 sequence for the ShipToParty.

XML-file: UC04_2.4_DeliveryInstruction_yyyy-mm-dd.xml

2.5 Business Acceptance

The Forest Company sends a **Delivery Instruction** type DeliveryInstruction to the Transport Company to give instructions for deliveries of pulpwood to the Pulp Mill. The delivery is made by truck from one logging area with one supply point. The Transport Company accepts to carry out this delivery instruction by responding with a **Business Acceptance**.

Scope: Acceptance of the Delivery Instruction**.**
XML-file: UC04_2.5_BusinessAcceptance_ yyyy-mm-dd.xml

2.6 Inventory Status

After loading, the Transport Company sends to the Forest Company an **Inventory Status** to inform about quantity remaining (up-to-date quantity of the product at the roadside landing). It is used especially when the logpile at roadside is empty or nearly empty. In this use case, the Forest Company is informed that the roadside landing is now empty.

Scope: **The** last transport from this supply point, roadside landing is now empty.
XML-file: UC04_2.6_InventoryStatus_yyyy-mm-dd.xml

2.7 Delivery Message

The Transport Company sends to the Forest Company a **Delivery Message** after loading in the forest to inform about what has been loaded and to notify that the truck is going to the Ship To destination..

Scope: The truck reports delivery information after loading in the forest.
XML-file: UC04_2.7_DeliveryMessage_yyyy-mm-dd.xml

2.8 Shipment Status

The Transport Company sends to the Forest Company a **Shipment Status** with actual transport information and as a proof of delivery.

Scope: The truck reports actual transport information and delivered quantity.
XML-file: UC04_2.8_ShipmentStatus_yyyy-mm-dd.xml

2.9 Measuring Ticket

The Pulp Mill Company is responsible from reception operations and measuring. The measurer belongs to the Pulp Mill Company. ThePulp Mill Company sends a **Measuring Ticket type MeasuringTicket** to the Forest Company when the delivery is measured. Delivered logs are measured by load. The delivery contains one product from one supply point at the logging area. Quantity of the product is measured by weight scaling.

Scope: The delivery contains one product from one supply point at the logging area. Quantity of the product is measured by weight scaling.
XML-file: UC04_2.9_MeasuringTicket_yyyy-mm-dd.xml

2.10 Arrival Ticket

The Pulp Mill Company sends a **Measuring Ticket type ArrivalTicket** (weighing ticket) to the Transport Company after the truck load has been received and measured.

Scope: Information of quantity for logistics invoice.
XML-file: UC04_2.10_ArrivalTicket_yyyy-mm-dd.xml

2.11 Invoice Logistics

Invoicing of transport costs are based on the quantity measured at the Pulp Mill and on the distance with load given in the DeliveryInstruction plus distance on private roads given in the ShimentStatus. The Transport Company sends an **Invoice** to the Forest Company for payment of the transport costs.

Scope: One Invoice is sent for all the deliveries of the month. In this Use Case, the Invoice is based on two deliveries for the month. The Invoice contains one line item without product information but with two invoice delivery information (one for each delivery).

XML-file: UC04_2.11_Invoice_Logistics_yyyy-mm-dd.xml

2.12 Invoice Product

The Forest Company sends an **Invoice** to the Pulp Mill Company for payment of the delivered products. One Invoice is sent for all the deliveries of the month.

Scope: Two deliveries of pulp logs are invoiced. The Invoice contains one line item with one pulpwood product and two invoice delivery information (one for each delivery).

XML-file: UC04_2.12_Invoice_Product_yyyy-mm-dd.xml

2.13 Business Acknowledgement

It is recommended to use papiNet e-document Business Acknowledgement as a system acknowledgement for all received papiNet e-documents. An e-document receiver uses the Business Acknowledgement to notify the sender that a document has been successfully presented to the receiver's ERP system. The Status with value Success or Failure specifies whether the document content has been validated without or with errors when presented to the receiver's ERP system.

Scope: The Transport Company sends an Invoice to the Forest Company for payment of the transport costs. The Forest Company notifies the Transport Company that the Invoice has been presented to the ERP system and validated without errors by responding with a Business Acknowledgement.

XML-file: UC04_2.13_BusinessAcknowledgement_yyyy-mm-dd.xml

2.14 papiNet Envelope

papiNet e-documents are recommended to be wrapped into the papiNet Envelope before they are sent. The xml-file that is sent to the receiving partner consists of the papiNet Envelope and the papiNet e-document. Routing and processing of e-documents are much easier to implement in a consistent way by using the papiNet Envelope. Attachments to the papiNet e-document can also be wrapped and sent in the papiNet Envelope. Additional transmission envelopes can be used by the message service when transmitting the message.

Scope: The Transport Company sends an Invoice to the Forest Company for payment of the transport costs. The Forest Company has outsourced its IT services to an IT Company. The receiver of the transmitted message is the IT Company, i.e. the Transmission Receiver in the papiNet Envelope. The Receiver Party in the Invoice e-document is the Forest Company.

XML-file: UC01_2.14_papiNetEnvelope_yyyy-mm-dd.xml