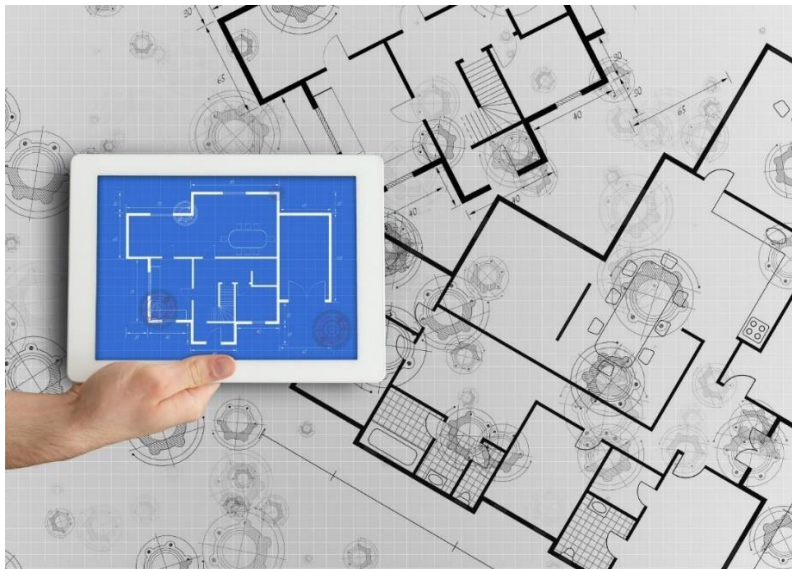# Nemak
cXML Seller Integration guidelines
Schedule Agreement Release

Supply Chain Collaboration EMEA

THE BEST RUN **SAP**

Table of Contents

1. Version History

This log is updated each time this Process Document is updated. The log identifies the version number, the date the version was completed, the author of the changes, and a brief description of the changes.

Version	Date	Author	Description
1.0	24/10/2022	Rogger Vilcarromero	Initial Version of Document (LAC)
2.0	24/02/2023	Steven Holley	LAC Version updated for the EMEA region and requirements. Invoice requirements adapted from EMEA Commerce Automation Supplier Integration Guidelines.
3.0	8/06/2023	Nemak Team	Feedback and review.
3.1	14/06/2023	Steven Holley	Added additional fields and detail to the field and attribute tables. Feedback and review.
3.2	28/06/2023	Nemak Team	Feedback and review.
3.3	29/06/2023	SAP, Nemak	Revisions as per agreements during live call.
3.4	30/06/2023	SAP, Nemak	Revisions as per agreements during live call.
4.0	04/07/2023	Nemak Team	Document approved and signed off by the Nemak Team.

2. Scope

SAP Business Network **Supply Chain Collaboration (SCC)** is an extension of **SAP Business Network** that enhances the ability of suppliers to collaborate with buyers in supply-chain tasks such as Schedule Agreements, SubContract and Shipping.

With the SAP's Supply Chain Collaboration enabled, an array of features become available to buyers and suppliers on the SAP Business Network. These features facilitate collaboration between buyers and suppliers, for example on transactions pertinent to direct material supply chains.

Nemak will be using the SAP Business Network SCC solution with SAP Business Network enabled vendors. The scope of this project is detailed below.

2.1. Nemak ANID

NEMAK Prod ANID:　　　　**AN01578719496**
NEMAK Test ANID:　　　　**AN01578719496-T**

2.2. Required Transactions / Optional Transactions

Please note that this version of Integration guidelines only covers the scope for Supply Chain Collaboration (SCC) processes.

Please review the list of documents and processes in scope for Nemak. Please agree with Nemak on the documents being integrated via the SAP Business Network.

Schedule Agreement Collaboration with Releases - Forecast and / OR JIT
Scheduling Agreement Release
Advance Shipment Notice (ASN)
Goods Receipt (GR)
Invoice (INV): Required – Please reach out to the Nemak team directly to confirm the countries in scope for invoicing.

2.3. Locations in Scope

A list of Nemak ShipTo and Bill To locations will be sent in addition to the Seller Integrations guidelines.

3. Schedule Agreement Release

3.1. Available Documents - in detail

Message	Direction	cXML Message Type
Scheduling Agreement Release	Sent by Nemak to Supplier	OrderRequest
Advance Shipment Notice (ASN)	Sent by supplier to Nemak	ShipNoticeRequest
Goods Receipt (GR)	Sent by Nemak to Supplier	cXMLReceiptRequest
Invoice (INV)	Sent by Supplier to Nemak	InvoiceDetailRequest

4. NEMAK cXML Mapping Requirements and Deltas

The following is a summary of the cXML requirements that are unique to NEMAK procurement environment. Detailed explanation of these items can be found in the proceeding pages.

4.1. NEMAK Transaction Validation Rules

NEMAK has configured validation rules which apply specifically to the Scheduling agreement, Advance Ship Notice, and Invoices.

Review these settings from your supplier account on the SAP Business Network.

1. Login to your supplier account on the SAP Business Network.
2. Click on the **Administration tab at the top of the page** then click **Customer Relationships** from the navigational bar just below.
3. Click on **NEMAK** under your list of **Current** trading partners. Review all available sections and check to see if you also have Country Based Rules that apply to you.

4.2. cXML Deltas (sample files)

An additional excel workbook will be provided and it will contain cXML transactions accepted by the SAP Business Network with the additional cXML requirements for Nemak.

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5. Scheduling Agreement Release Process

Scheduling Agreement is a form of outline purchase agreement under which materials are procured on predetermined dates within a certain period of time. There are two forms of Scheduling Agreements as listed below:

- Scheduling Agreement is a purchasing document that contains schedule lines stating quantities and dates for specific shipments of a material.
- Scheduling Agreement Release is a release of schedule lines within the scheduling agreement.

5.1. Considerations

- The Schedule Agreement can have prices for multiple periods. Normally component pricing is per month. In this sense there are multiple horizons for the validity period of a Scheduling Agreement. Nemak can have conditions with different validity dates (metal vs work labor, etc) however, at the end vendor only see current price (complete).
- The call-offs provided assume, that at each time, when a new call-off date is reached, the supplier matches with the cumulative numbers at that moment in time. Normally we expect, that the supplier deliveries match with the JIT call-off volumes at each moment in time.
- Nemak uses Firm zone for quantities relevant to ASN. Additionally we send trade off zone and forecast for information only.
- JIT call offs will become due as scheduled.
- Nemak will send Call-offs on regular basis (eg. every week). Additionally, we will send call-offs in case of significant volume changes. Forecast horizon, Firm zone and Trade-off zone will vary per supplier depending on lead times and can be agreed with the supplier.
- We are kindly recommending to each individual supplier to discuss and agree with the Nemak team on what specific attribute details are applied as per case.

5.2. Scheduling Agreement Release Process Workflow:

1. Nemak is performing planning. This automatically generates scheduling agreement releases. Buyer shares the Scheduling Agreement Release with the supplier through the SAP Business Network.
2. Supplier Creates the ASN and is sent via the SAP Business Network. The goods ordered are shipped.
3. Buyer receives the goods ordered and goods receipts the received amount.
4. Supplier creates invoices and sends via the SAP Business Network invoices.
5. Supplier receives a payment schedule.
6. Supplier receives a remittance advice.

Document	Description
Scheduling Agreement Release	Defines releases of quantities and dates for the shipments desired for a period of time
Advanced Ship Notice	Provides details for shipment of specific quantities of materials/goods
Goods Receipt	Customer confirmation of final product receipt.
Invoice	Binding document which reflects the amount to be paid, along with the details of the material provided to a customer.

5.2.1. Overall Considerations

Scheduling Agreement specifies three "zones" (typically these have commercial implications).

Firm: Make	Trade-Off : Procure Components	Planning: Forecast
• Schedule Lines in this are binding	• That they can buy materials required for production	• Schedule Lines in this are advisory

Please Note that the lines in the forecast are informative only and do not represent Nemak's commitment.

Important note:

Please note that the number of Scheduling Agreements Release message "JIT" or "Forecast" will be always the same. Basically, the first file sent will be New and the others will be Updates - versions of the initial one.

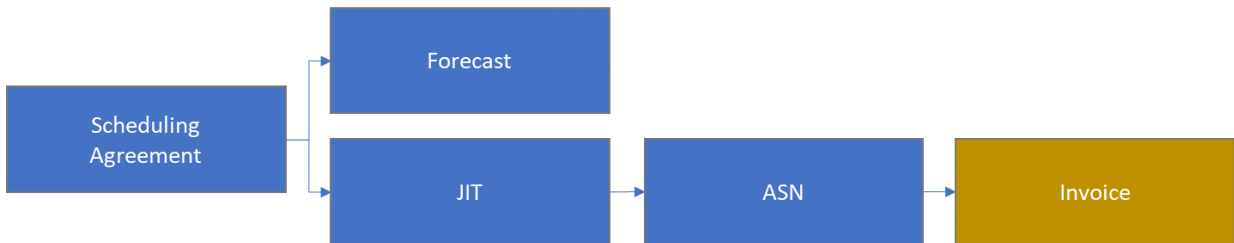| First version:	<OrderRequestHeader
	    agreementID = "5500000099"
	    effectiveDate = "2022-01-01T12:00:00-05:00"
	    expirationDate = "2022-12-31T12:00:00-05:00"
	    orderDate = "2021-04-07T12:00:00-05:00"
	    orderID = "55000000000030JIT"
	    orderType = "release"
	    orderVersion = "**1**"
	    type = "**new**">

| Second Version | ```
<OrderRequestHeader
        agreementID="5500000099"
        effectiveDate="2022-01-01T12:00:00-05:00"
        expirationDate="2022-12-31T12:00:00-05:00"
        orderDate="2022-01-11T12:00:00-05:00"
        orderID="55000000000030JIT"
        orderType="release"
        orderVersion="2"
        type="update">
``` |
|---|---|

Important note:
In order to have a clear understanding of the Scheduling Agreement numbers you have in scope, as well as the material numbers you have in each Scheduling Agreement, please be so kind to contact directly the Nemak team.

5.2.2. Nemak's Scheduling Agreement Release logic

ASN´s and Invoices are based on JIT only

5.3. Schedule Agreement Details

Scheduling Agreement Release number and part Id info	Comments
SAR JIT number starting with:	SA numbers that start with 55000 and finish with JIT… are with Release.
SAR Forecast number starting with:	SA numbers that start with 55000 and finish with FOR… are with Release Forecast
Special characters	Yes (German Umlaut and some others)
Nemak part ID provided	Yes
Supplier Part ID provided	Optional, as per case.
Manufacturer Part ID	No

5.4. Addresses Provided in the Scheduling Agreement Release

Addresses Provided in the SAR	Requirement
Nemak SAR will contain ShipTo address at header level	Yes
Nemak SAR will contain ShipTo **addressID**	Yes
Nemak SAR will contain ShipTo **buyerLocationID**	No
Nemak SAR will contain ShipTo **storageLocationID**	Yes
Nemak SAR will contain ShipTo MRPArea	No
Bill To information with **AddressID** is sent in the SAR	Yes
Sold To information with **AddressID** is sent in the SAR	Yes

5.5. Unit of Measure

All cXML transactions are required to support and conform to the United Nations Units of Measure Common Code system (UNUOM).

Refer to the following site for a full list of UNUOM Codes:
http://www.unece.org/cefact/codesfortrade/codes_index.html

Unit of Measure of a piece is EA.

5.6. Time Dependent Pricing

Please note that it is important to respect the time price conditions as per your individual contract with Nemak. Nemak evaluates the price based on the Goods receipts date.

5.7. Advanced Pricing Details

The <UnitPrice> tag contains the line item unit price. The total price for the line is not transmitted but can be calculated my multiplying the Unit Price and the quantity.

The <PriceBasisQuantity> qualifies Price with a 'Price Per' quantity. It is set to 1 in most cases with a <conversionFactor> to 1.

<PriceBasisQuantity> includes a unit of measure to describe what the price and price quantity applies to, such as, a price of 100€ could apply to 1 case of product or to 25 Kilograms.

Examples below show how to perform the price calculation at line level.

Example 1:

Line item Quantity	100 pieces
Price per UOM	3 CHF for 5 PF (pallet)
Qty of Packaging UOM	5 PF
Conversion factor	1 piece = 0.2 PF (20 pieces per PF)
Price at line level	100 x 3/5 * 0.2 = 12 CHF

Example 2:

Line item Quantity	5223 pieces
Price per UOM	725 CHF for 1000 MCT
Qty of Packaging UOM	1000 MCT
Conversion factor	1 piece = 0.034 MCT
Price at line level	5223 x 725/1000 * 0.034 = 128.747 CHF

*Please note that these scenarios are just examples to show you the correct way of calculation. They might not be relevant for Nemak.

Example of data:

```
<ItemDetail>
  <Unit Price>
    <Money currency="EUR">11.07</Money>
  </Unit Price >
  <Description xml:lang = "EN">Material description</Description>
  <UnitOfMeasure>EA</UnitOfMeasure>
  <PriceBasisQuantity quantity="100" conversionFactor="1.0">
    <UnitOfMeasure>EA</UnitOfMeasure>
  </PriceBasisQuantity>
```

5.8. Item Control Keys

Schedule Agreements Release will contain **Control Keys and Schedule Lines**. You can find more explanation in the cXML Delta Sample.

The Control Keys section provides:

- Instructions on whether the supplier should send an Order Confirmation or Advanced Ship Notice
- Advanced Ship Notice Tolerances allowed by **Nemak** in the Scheduling Agreement Release. Please take into consideration that the Advanced Ship Notice is mandatory for Nemak.

This is important to be taken into account by the suppliers.

Control Keys – sample data – please review the delta file for details:

```
<ControlKeys>
   <OCInstruction value = "notAllowed">
   </OCInstruction>
   <ASNInstruction value = "allowed">
      <Upper>
         <Tolerances>
            <TimeTolerance
               limit = "999"
               type = "days"/>
         </Tolerances>
      </Upper>
   </ASNInstruction>
   <InvoiceInstruction
      value = "isNotERS">
</ControlKeys>
```

5.9. Scheduling Agreement Release with Attachments

Nemak Schedule Agreement release messages (JIT / Forecast) will attach a pdf copy of the call off document related to the schedule agreement.

5.10.   Scheduling Agreement Release Customizations

cXML provides for an extension by the use of the 'Extrinsic' element. The Extrinsic element can appear within various cXML elements. Please be so kind and review the cXML Delta requirements for the full list of the extrinsics from Nemak's SAR.

5.11.   Schedule Agreement Release Messages Fields & Attributes

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Description **5.11.1. Attributes**	Buyer Comments

	Order Numbering	• SA numbers that start with 55000 and finish with JIT… are with Release. • SA numbers that start with 55000 and finish with FOR… are with Release Forecast.
	Schedule Transmission	• Release messages will be sent on a weekly basis. • Exceptional messages to the releases may occur throughout the week.
Header	Bill To	• The identifier is the Address ID. • Must be returned on subsequent documents.
	Ship To	• Must be returned on subsequent documents. • The identifier is the Address ID.
	Purchasing Group	Nemak Purchasing Group
	Payment Terms	Current payment terms.
	Notice Dates	• Expiration date. • Effective Date. • Order date.
	Order Version	• Version of the Schedule Agreement call off
	Comments	Not applicable.
	Extrinsic	• Supplier is not required to capture and return on INV.
	Service Date (start & end)	Not applicable.
Line Item	Order Item Numbering	First Position: 00010
	Supplier Part ID	**Optional.** As per case.
	Buyer Part ID	**Yes**. Must be returned on subsequent documents.
	Unit Price	• Only 2 decimal places are allowed. • Must match on subsequent documents.
	Advanced Pricing/Price Basis Quantity	**Yes**. Advanced Pricing/Price Basis Quantity (PBQ)
	Unit of Measure	• Must match on subsequent documents. • Unit of Measure of a piece is EA.
	Ship To	Not applicable.
	Extrinsic Values	• The supplier is not required to capture and return on ASN. • Release Version indicates the version of the document.
	Schedule Line	• Important attributes containing possible values: **firm, forecast and tradeoff**. • Quantity

Description 5.11.1. Attributes	Buyer Comments
	• Requested Delivery Date • Line Number • Cumulative Schedule Quantity • Unit of Measure

Control Keys	OCInstruction value="notAllowed"
	ASNInstruction value="allowed"
	    – Upper
	        o Time Tolerance 999 days.
	InvoiceInstruction value=" isNotERS"
	
	• Please note that the general behavior of the network is: the control keys will overwrite the corresponding validation rules. Please review section 4.1 for additional information.

Release Information	• Cumulative Received Quantity • Release Type: **jit** or **forecast** • Production go ahead date
Service Date (start & end)	Not applicable.

6. Advanced Shipping Notification (ASN)

Nemak supports and requires Ship Notices for Schedule Agreement Release.
Supported methods of providing them are:

- cXML
- Online

Please note for Nemak the ASN is mandatory.

ASN Types	Is it in scope ?
Full ASN	Yes
Partial ASN for a part of a PO	Yes
Partial ASN for a part of a quantity of a line	Yes
Summary ASN (one ASN that covers multiple Nemak Scheduling Agreements)	No
Change ASN	No
Cancel ASN	No

6.1. Advanced Shipping Notification Fields

Description / Attributes		Buyer Supported (Required/ Optional/ Out of Scope)	Buyer Comments
General	Attachments	Optional	Allowed
	Other	Optional	No other exceptions/specific processing requirements/instructions.
Header	Order / Schedule Agreement Release Reference	Required	Must match Schedule Release ID in the call off.
	Delivery Date	Required	Delivery dates are required.
	Packing slip ID	Required	Shipment ID
	Shipping Date	Optional	Actual or estimated shipping date is required.
	Notice Date	Required	ASN document creation date
	Hazard	Optional	Dependent on the material being sent.
	Comments	Optional	• Reason for Shipment Comment To Buyer
	Header Level Dimension	Optional	• Allowed. Please confirm with your Nemak contact on specific packaging requirements.
	Carrier, Transport & Tracking Information	Optional	Allowed.
	Delivery & Transport Terms	Optional	Delivery and transport information can be added when not available on the PO.
	Quantity	Required	Increasing line-item quantities Please review the validation rules currently configured by your customer Nemak in your Supplier account. Or contact directly the Nemak team.
⅃˙⌐	Asset Serial Number	Out of scope.	• Not applicable.

| Description

Attributes		Buyer Supported (Required/ Optional/ Out of Scope)	Buyer Comments
	Shipment Serial Numbers	Out of scope.	Not applicable.
	Buyer Part ID	Required	Same value received in the call off.
	Supplier Part ID	Optional	
	Supplier Batch ID	Optional	Required for batch managed materials

Please confirm with your Nemak contact on what materials this applies to and the type of batch information required as per case. |
| | Supplier Batch Origin Country | Optional | Required for batch managed materials

Please confirm with your Nemak contact on what materials this applies to and the type of batch information required as per case.
Delivery and transport information can be added when not available on the PO. |
	Supplier Batch Expiration Date	Optional	
	Supplier Production Date	Optional	
	Line level Delivery & Transport Terms	Optional	
	Line Level Packaging Information	Optional	**Allowed**. Please confirm with Nemak on specific packaging requirements.

7. Receipt Notification (Goods Receipt Notice)

Nemak supports and is transmitting Goods receipts after successfully receiving and processing the GR from Nemak. Supported methods of receiving them are:

- cXML
- Online

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Description 7.1.1. Attributes		Buyer Supported (Required/ Optional/ Out of Scope)	Buyer Comments
General	Attachments	Out of scope	
Header	Receipt ID	Required	Receipt ID which start with 500..
	Receipt Date	Required	Receipt Date is sent.
	Comments	Required	Nemak sends the ASN Number.
Line Level	Quantity	Required	
	Receipt Item Reference Line Number	Required	PO Line Number.
	Receipt Line Number	Required	GRN Line Number (0001)
	Buyer Part ID	Required	Same than SA.
	Description	Required	Same than SA.
	Ship Notice ID	Required	ASN Number
	Supplier Part ID	Required	Same than SA.

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8. Invoices

Nemak supports the transaction of Invoices via the SAP Business Network.
Supported methods of providing them are:
- Online
- cXML

8.1. Invoice Types

Nemak has the following requirement:
- Nemak is expecting invoice per delivery (GR based invoice verification)

Invoice Types (In Scope)	Invoice Types (Not In Scope)
Individual Detail Invoice: applies against single SA referencing line items; line items are material items	Non-PO Invoice: invoice against PO not transacted via the Ariba Network- technically supported but this specific case should not be part of the SCC scope
Partial invoice: Invoice against a portion of the items on a SA.	Non-PO invoice against contract or master agreement
Line level credit supported by negative quantity at item level and positive unit price. (invoice purpose set to "lineLevelCreditMemo")	Header Credit Memo
Duplicate Invoice: invoice numbers may be reused in case of **reject/failure** of original invoice	Debit Memo
	Cancel Invoice
	Information Only Invoice
	Invoice against PCard
	Header Invoice: single invoice applying to single PO without item details
	Invoice against service PO (not in scope of SCC)
	Invoice against Blanket PO (Not in scope of SCC)
	Summary Invoice (one invoice covering multiple NEMAK Pos)

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8.2. Invoice Structure

General		
	General Limitation	Invoice ID - Up to 16 characters, Include uppercase letters, numbers, and only these special characters: - (hyphen) and / (slash)
Header		
Back-dating Invoices	Allowed	Please discuss requirement with your Nemak contact directly.
Invoice Information	Required	Invoice ID, Invoice Date, Invoice Origin, Operation and Purpose.
Bill To	Required	Address ID required to match the one on PO
Remit To	Required	Remittance information.
Sold To	Required	Needs to match Bill To on PO
Ship To	Required	Address ID required to match the one on PO
Ship From	Required	Address ID required if provided
Taxes	Required	Line level and Summary for all EU based transactions
Allowance & Charges	Not allowed	
Shipping & Handling	Allowed	Please discuss requirement with your Nemak contact directly.
wireReceivingBank	Allowed	
Extrinsics	Required	Please review the cXML invoice example for the full list of extrinsics required.
Payment Net Terms	Required	Required back on the invoice
Attachments	Not in scope	
Line Level		
Add Line Items	Not allowed	
Quantity	Greater than 0	No increase in quantity is allowed on the invoice

Unit Price	Required, up to two decimals	Precision rounding is required See Appendix A for details
Supplier Part ID	Optional	
Buyer Part ID	Required	Same value received in the call off.
Unit of Measure	Required	Same value received in the call off.
Advanced Pricing/Price Basis Quantity	Allowed	
Tax	Required	
Summary Detail		
Subtotal Amount	Required	
Tax	Required	
Special Handing Amount	Not allowed	
Shipping Amount	Allowed	Please discuss requirement with your Nemak contact directly.
Gross Amount	Required	
Net Amount	Required	
Due Amount	Required	

8.2.1. VAT Requirements

- Tax is supported at the line level.
- A summary tax amount is required on all invoices even if that amount is zero.
- VAT IDs of NEMAK and supplier are required as well.

<Extrinsic name = "buyerVatID"> **ESA88380035** *</Extrinsic>*
<Extrinsic name = "supplierVatID"> **XXXXXXXXXX***</Extrinsic>*

- In case of VAT is 0%, a reason must be provided.
- Tax point date (the date when the VAT becomes due) is required for all VAT entries.

Please see the following example of a valid VAT tax group on item level (same structure content is required on summary level), the TaxDetail group must be repeated for each VAT rate/tax type.

```
<Tax>
<Money currency="EUR">0.00</Money>
<Description xml:lang="en-GB">total tax</ Description >
<TaxDetail category="vat" exemptDetail="exempt" percentageRate="0.00"
taxPointDate="2017-10 12T07:31:58+00:00">
<TaxableAmount>
<Money currency="EUR">50</Money>
</TaxableAmount>
<TaxAmount>
<Money currency="EUR">0.00</Money>
</TaxAmount>
<Description xml:lang="en-GB">0% tax exempt</Description>
</TaxDetail>
</Tax>
```

8.2.2. Supplier commercial identifier

This should be the **business registration number**. In case this is not available, you can map it as "NA".

<Extrinsic name="supplierCommercialIdentifier">12345678</Extrinsic>

and

<Extrinsic name="supplierCommercialCredentials">12345678</Extrinsic>

cXML example:

```
<Extrinsic name="supplierVatID">12345678</Extrinsic>
<Extrinsic name="invoiceSourceDocument">PurchaseOrder</Extrinsic>
<Extrinsic name="invoiceSubmissionMethod">cXML</Extrinsic>
<Extrinsic name="supplierCommercialIdentifier">12345678</Extrinsic>
<Extrinsic name="supplierCommercialCredentials">12345678</Extrinsic>
</InvoiceDetailRequestHeader>
<InvoiceDetailOrder>
```

8.2.3. Strict Address Validation

NOTE: Strict address validation is not enforced. When/if this rule is enabled, the system will check if the following cXML elements are present and if it has a value:

1. Name
2. PostalAddress.Street
3. PostalAddress.City
4. PostalAddress.State
5. PostalAddress.PostalCode
6. PostalAddress.Country isoCountryCode attribute

8.2.4. Alternative currency requirements

(Only if PO is in foreign currency)

If your Schedule Agreement release is in a foreign currency and you need to present the VAT in your invoice in both the currency of the Schedule Agreement release and your local currency this is how you need to construct the cXML:

At Invoice Header Level:

Suppliers need to indicate tax exchange rate by inserting the following Extrinsic element within the InvoiceDetailRequestHeader element:

```
<Extrinsic name="taxExchangeRate">1.3611</Extrinsic>
```

At Invoice Summary Level and Line level

Applies to SubtotalAmount, TaxAmount and DueAmount: For example: e.g.

```
<Tax>
    <Money alternateAmount="0.1" alternateCurrency="EUR"
     currency="CHF">0.07</Money>
    <Description xml:lang="en" />
    <TaxDetail category="GST" percentageRate="7" taxPointDate="2016-01-
    20T06:01:11-04:00">
            <TaxableAmount>
                <Money currency="CHF">1</Money>
            </TaxableAmount>
     <TaxAmount>
            <Money alternateAmount="0.1"
            alternateCurrency="EUR"currency="CHF">0.07</Money>
    </TaxAmount>
    <Description xml:lang="en" /> </TaxDetail>
</Tax>
```

8.2.5. Payment Method

Payment method flag is sent at the header level. If another payment method is required for your invoice when transacting with Nemak, it will need to be flagged in the same field. For example: "wire", "check".

Payment flag in the header:

- <Extrinsic name="paymentMethod">check</Extrinsic>

Please note that bank details are mandatory for all invoice types as per Nemak requirement.

If "wire" is sent as the payment method, an invoice partner is sent in the invoice header. cXML Example below:

```
    </InvoicePartner>

   <InvoicePartner>
      <Contact role = "wireReceivingBank">
         <Name xml:lang = "en-US">Postbank</Name>
      </Contact>
      <IdReference domain = "accountName" identifier = "7602323085"/>
      <IdReference domain = "accountType" identifier = "Checking"/>
      <IdReference domain = "branchName" identifier = "Postbank"/>
      <IdReference domain = "accountID" identifier = "*****4851"/>
      <IdReference domain = "swiftID" identifier = "PBNKDE32FFXXX"/>
      <IdReference domain = "ibanID" identifier = "*****************4851"/>
   </InvoicePartner>

   <InvoiceDetailShipping>
```

8.2.6. Line Item & Summary Totals Definitions

`<GrossAmount>`
 	
`<Money currency="EUR">1190.00</Money>`
`</GrossAmount>`
	GrossAmount = SubtotalAmount plus any tax, shipping or special handling charges but does NOT include discount; This is the Subtotal amount plus taxes (VAT)

`<TotalAmountWithoutTax>`
 	
`<Money currency="EUR">1000.00</Money>`
`</TotalAmountWithoutTax>`
	The TotalAmountWithoutTax element is used to summarize the total invoice amount without tax. The total amount includes: SubTotal, Shipping Amount, Special Handling, Charges. Allowances and discounts are subtracted from the sum of the above four amounts.

`<NetAmount>`
 	
`<Money currency="EUR">1190.00</Money>`
`</NetAmount>`
	NetAmount = GrossAmount minus any discounts; (Basically this is the NetAmount+VatAmount); In case there is no Discounts or Adjustments then NetAmount=GrossAmount

`<DueAmount>`
`<Money currency="EUR">1190.00</Money>`
`</DueAmount>`
	DueAmount = NetAmount minus any deposit passed

8.2.7. Unplanned Shipping

Unplanned shipping is only allowed in specific scenarios and may not be applicable to your current business with Nemak. Please review the requirement with your Nemak contact directly.

Unplanned shipping charges can be sent at the invoice summary level.
- Summary level tax for shipping required

```
        </TaxDetail>

    <TaxDetail category="vat"

            percentageRate="19"

            purpose="shippingTax"

            taxPointDate="2023-05-05T00:00:00+01:00">

        <TaxableAmount>

            <Money currency="EUR">20.00</Money>

        </TaxableAmount>

        <TaxAmount>

            <Money alternateAmount="89.075420"

                alternateCurrency="CZK"

            currency="EUR">3.80</Money>

        </TaxAmount>

        <Description xml:lang="en-US"/>

    </TaxDetail>

</Tax>

<ShippingAmount>

    <Money currency="EUR">20.00</Money>

</ShippingAmount>

<GrossAmount>
```

9. Supplemental Documentation

This document contains NEMAK specific information regarding transaction requirements. Information in this document does **NOT** cover the complete technical aspects of integrating with the SAP Business Network. Below are two sections for supplemental documentation to be used with this document for EDI or cXML transaction formats. Only refer to the section that pertains to the format your organization with be sending/receiving from the SAP Business Network (EDI or cXML).

cXML Section for Supplemental Documentation
New cXML supplier to SAP Business Network must:
1. Support a DTD (document type definition) validation tool internally and download the document type definitions (DTD's) for all supported transactions.
2. Support HTTPS protocol. SAP Business Network supports HTTPS (not HTTP) only for cXML transactions.
3. Review the cXML Solutions Guide and cXML User Guides.

cXML Document Type Definitions (DTD's):
- http://cxml.org Download InvoiceDetail.zip for the InvoiceDetailRequest.dtd.
- http://cxml.org Download cXML.DTD for the OrderRequest
- http://cxml.org Download Fulfill.dtd for ConfirmationRequest/ShipNoticeRequest

Recommended Resources: The Ariba cXML Solutions Guide (URL to Post documents to Ariba) and 14s SAP Business Network Release Guide. May also be downloaded via login to your supplier account (https://supplier.ariba.com) on the SAP Business Network:
1. Click the 'Help' link in the upper right hand section of the page.
2. Select 'Help Center' from the drop down menu.
3. Enter Search… key words or full document name.
4. Click on the pdf document name to open and download.

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10. SAP Business Network Support Information

10.1. Post Go Live Support

Supplier Integrators provide two weeks support of Post Go Live starting with the first transaction in **Production**. After the two-week period, a **Service Request** should be created for any assistance.

10.2. How to utilize Help Center and request assistance

At **SAP**, our goal is to empower Suppliers with the information and tools they need to seamlessly navigate through **SAP Business Network Solutions**. You can find the answers you need about SAP Business Network products in the **SAP Help Center**. You can also contact **SAP Support** directly through the **Help Center**, when necessary.

10.3. Access the Help Center

Sign into your account and look to the right-hand side of your screen [?] to view the **Help Center panel**. If the panel collapses and you cannot see any articles, click [↗] icon to expand.

10.4. Using SAP Business Network Help Center

The Help Center is the first place to start if you have questions about any **SAP Business Network Solution.**

Please watch this short Tutorial on how to navigate **SAP Help Center to:**

- Find informational documents and FAQs created and curated by support or product documentation from SAP Help Portal

- Find information on new releases, upcoming webcasts, and events, as well as easy access to Supplier Release Readiness Portal.

Contact us to submit a case for support

11. B2B Supplier Information

Supplier is asked to provide your B2B integration project information with NEMAK like Configuration, Architecture, business rules. Please reply this document to NEMAK in order to be part of your B2B project documentation.

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