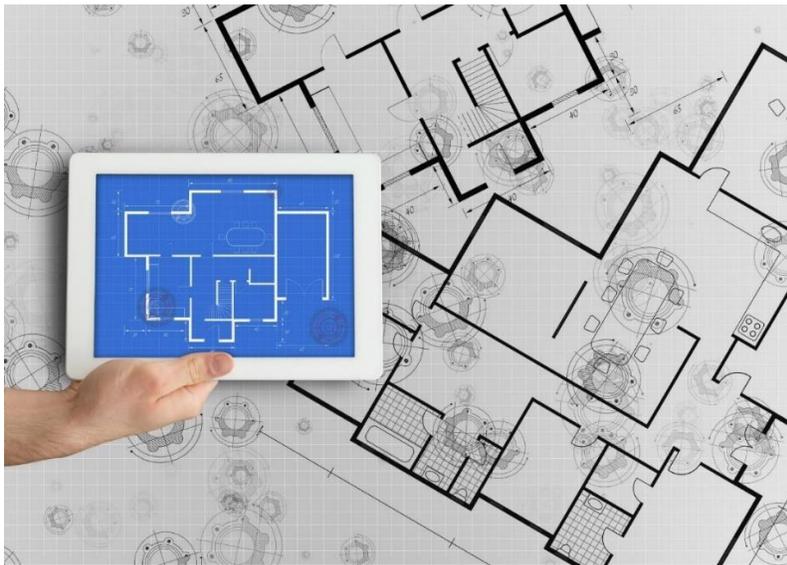


# **(DRAFT) Nemak** **ANSI X12 Seller Integration** **Guidelines** **Schedule Agreement Release** **Supply Chain Collaboration EMEA**



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## 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 Vilcarronero	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. (cXML)
5.0	04/8/2023	Steven Holley	Updated document to reflect the ANSI X12 (004010) document format.
5.1	24/8/2023	SAP, Nemak	Feedback and review.

## 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.

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

### 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	ANSI X12 Message Type
<b>Scheduling Agreement Release (Forecast)</b>	Sent by Nemak to Supplier	830
<b>Scheduling Agreement Release (JIT)</b>	Sent by Nemak to Supplier	862
<b>Advance Shipment Notice (ASN)</b>	Sent by supplier to Nemak	856
<b>Goods Receipt (GR)</b>	Sent by Nemak to Supplier	861
<b>Invoice (INV)</b>	Sent by Supplier to Nemak	810

## 4. NEMAK ANSI X12 Mapping Requirements and Deltas

The following is a summary of the ANSI X12 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. ANSI X12 004010 (sample files)

An additional excel workbook will be provided and it will contain X12 transactions accepted by the SAP Business Network with the additional X12 requirements for Nemak.

## 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 (830 & 862)	Defines releases of quantities and dates for the shipments desired for a period of time
Advanced Ship Notice (856)	Provides details for shipment of specific quantities of materials/goods
Goods Receipt (861)	Customer confirmation of final product receipt.
Invoice (810)	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
<ul style="list-style-type: none"> <li>• Schedule Lines in this are binding</li> </ul>	<ul style="list-style-type: none"> <li>• That they can buy materials required for production</li> </ul>	<ul style="list-style-type: none"> <li>• Schedule Lines in this are advisory</li> </ul>

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.

#### 830 Message New:

```
BFR*00*550001345200010FOR**DL*A*20230712**20230412**5500013452*550001345200010FOR~
REF*PP*1~
```

#### 830 Message UPDATE:

```
BFR*05*550001345200010FOR**DL*A*20230712**20230412**5500013452*550001345200010FOR~
REF*PP*2~
```

**862 Message NEW:**

BSS\*00\*RL\*20230412\*BB\*20230412\*20251231\*1\*550001345000010JIT\*5500013450\*550001345000010JIT~

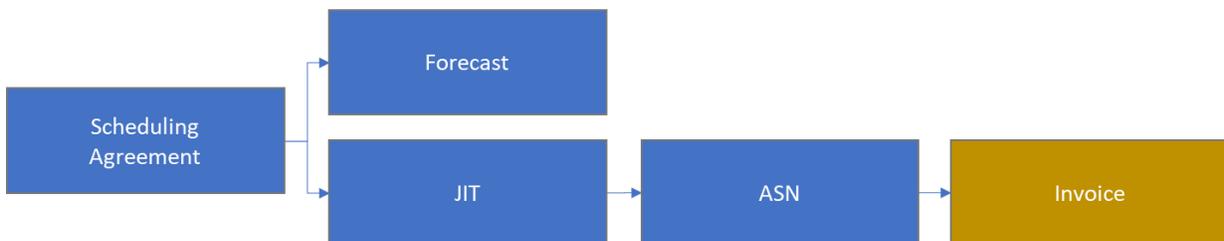
**862 Message UPDATE:**

BSS\*05\*RL\*20230412\*BB\*20230412\*20251231\*2\*550001345000010JIT\*5500013450\*550001345000010JIT~

**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 <b>address ID</b>	Yes
Nemak SAR will contain ShipTo <b>buyer Location ID</b>	No
Nemak SAR will contain ShipTo <b>storage Location ID</b>	Yes
Nemak SAR will contain ShipTo MRPArea	No
Bill To information with <b>AddressID</b> is sent in the SAR	Yes
Sold To information with <b>AddressID</b> is sent in the SAR	Yes

#### 5.5. Unit of Measure

All ANSI X12 transactions are required to support ANSI UOM Codes. Please refer ANSI X12 Standard Implementation Guidelines for the full list of supported UOMs.

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. Scheduling Agreement Release with Attachments

Nemak Schedule Agreement release messages (JIT 862 / Forecast 830) will attach a pdf copy of the call off document related to the schedule agreement.

## 5.8. Scheduling Agreement Release Customizations

X12 provides an extension by the use of the REF\*ZZ segment. Please be so kind and review the ANSI X12 Examples / Guidebook for the full list of additional REF\*ZZ segments from Nemak's SAR.

## 5.9. Schedule Agreement Release Messages Fields & Attributes (862/830)

Description		Buyer Comments
<b>5.9.1. Attributes</b>		
	Order Numbering	<ul style="list-style-type: none"> <li>SA numbers that start with 55000 and finish with JIT... are with Release.</li> <li>SA numbers that start with 55000 and finish with FOR... are with Release Forecast.</li> </ul>
	Schedule Transmission	<ul style="list-style-type: none"> <li>Release messages will be sent on a weekly basis.</li> <li>Exceptional messages to the releases may occur throughout the week.</li> </ul>
Header	Bill To	<ul style="list-style-type: none"> <li>The identifier is the Address ID.</li> <li>Must be returned on subsequent documents.</li> </ul>
	Ship To	<ul style="list-style-type: none"> <li>Must be returned on subsequent documents.</li> <li>The identifier is the Address ID.</li> </ul>
	Purchasing Group	Nemak Purchasing Group
	Payment Terms	Current payment terms.
	Notice Dates	<ul style="list-style-type: none"> <li>Expiration date.</li> <li>Effective Date.</li> <li>Order date.</li> </ul>
	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.
┌ ─	Order Item Numbering	First Position: 00010

Description	Buyer Comments
<b>5.9.1. Attributes</b>	
Supplier Part ID	<b>Optional.</b> As per case.
Buyer Part ID	<b>Yes.</b> Must be returned on subsequent documents.
Unit Price	<ul style="list-style-type: none"> <li>• Only 2 decimal places are allowed.</li> <li>• Must match on subsequent documents.</li> </ul>
Unit of Measure	<ul style="list-style-type: none"> <li>• Must match on subsequent documents.</li> <li>• Unit of Measure of a piece is EA.</li> </ul>
Ship To	Not applicable.
Extrinsic Values	<ul style="list-style-type: none"> <li>• The supplier is not required to capture and return on subsequent documents.</li> </ul>
Schedule Line	<ul style="list-style-type: none"> <li>• Important attributes containing possible values: <b>firm, forecast and tradeoff.</b></li> <li>• Quantity</li> <li>• Requested Delivery Date</li> <li>• Line Number</li> <li>• Cumulative Schedule Quantity</li> <li>• Unit of Measure</li> </ul>
Release Information	<ul style="list-style-type: none"> <li>• Cumulative Received Quantity</li> <li>• Release Type: <b>jit</b> or <b>forecast</b></li> <li>• Production go ahead date</li> </ul>
Service Date (start & end)	Not applicable.

## 6. Advanced Shipping Notification 856 (ASN)

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

- ANSI X12
- 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		Buyer Supported (Required/ Optional/ Out of Scope)	Buyer Comments
Attributes			
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	<ul style="list-style-type: none"> <li>Reason for Shipment</li> </ul> Comment To Buyer
	Header Level Dimension	Optional	<ul style="list-style-type: none"> <li>Allowed. Please confirm with your Nemak contact on specific packaging requirements.</li> </ul>
	Carrier, Transport & Tracking Information	Optional	Allowed.
Delivery & Transport Terms	Optional	Delivery and transport information can be added when not available on the PO.	

Description		Buyer Supported (Required/ Optional/ Out of Scope)	Buyer Comments
Attributes			
	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.
Line Level	Asset Serial Number	Out of scope.	• Not applicable.
	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	<b>Allowed.</b> Please confirm with Nemak on specific packaging requirements.

## 7. Receipt Notification 861 (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:

- ANSI X12
- Online

Description		Buyer Supported (Required/ Optional/ Out of Scope)	Buyer Comments
<b>7.1.1. Attributes</b>			
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 as SA.
	Description	Required	Same as SA.
	Ship Notice ID	Required	ASN Number
	Supplier Part ID	Required	Same as SA.

## 8. Invoices 810

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

- Online
- ANSI X12

### 8.1. Invoice Types

Nemak has the following requirement:

- NEMAK is expecting invoice per delivery (GR based invoice verification)

<b>Invoice Types (In Scope)</b>	<b>Invoice Types (Not In Scope)</b>
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 Transaction Code Type set to "CM")	Header Credit Memo
Duplicate Invoice: invoice numbers may be reused in case of <b>reject/failure</b> 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 )

## 8.2. Invoice Structure

<b>General</b>		
	General Limitation	Invoice ID - Up to 16 characters, Include uppercase letters, numbers, and only these special characters: - (hyphen) and / (slash)
<b>Header</b>		
<i>Back-dating Invoices</i>	Allowed	Please discuss requirement with your Nemak contact directly.
<i>Invoice Information</i>	Required	Invoice ID, Invoice Date, Invoice Origin, Operation and Purpose.
<i>Bill To</i>	Required	Address ID required to match the one on PO
<i>Remit To</i>	Required	Remittance information.
<i>Sold To</i>	Required	Needs to match Bill To on PO
<i>Ship To</i>	Required	Address ID required to match the one on PO
<i>Ship From</i>	Required	Address ID required if provided
<i>Taxes</i>	Required	Line level and Summary for all EU based transactions
<i>Allowance &amp; Charges</i>	Not allowed	
<i>Shipping &amp; Handling</i>	Allowed	Please discuss requirement with your Nemak contact directly.
<i>wireReceivingBank</i>	Allowed	
<i>Extrinsics</i>	Required	Please review the X12 invoice example for the full list of extrinsics / REF*ZZ segments required.
<i>Payment Net Terms</i>	Required	Required back on the invoice
<i>Attachments</i>	Not in scope	
<b>Line Level</b>		
<i>Add Line Items</i>	Not allowed	
<i>Quantity</i>	Greater than 0	No increase in quantity is allowed on the invoice
<i>Unit Price</i>	Required, up to two decimals	Precision rounding is required <a href="#">See Appendix A for details</a>
<i>Supplier Part ID</i>	Optional	
<i>Buyer Part ID</i>	Required	Same value received in the call off.
<i>Unit of Measure</i>	Required	Same value received in the call off.

<i>Advanced Pricing/Price Basis</i>	Allowed	Please contact your Nemak directly to align on materials that require advanced pricing details.
<i>Quantity</i>		
<i>Tax</i>	Required	
<b>Summary Detail</b>		
<i>Subtotal Amount</i>	Required	
<i>Tax</i>	Required	
<i>Special Handling Amount</i>	Not allowed	
<i>Shipping Amount</i>	Allowed	Please discuss requirement with your Nemak contact directly.
<i>Gross Amount</i>	Required	
<i>Net Amount</i>	Required	
<i>Due Amount</i>	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.

**REF\*ZZ\*buyerVatID\*CZ26318890~  
REF\*ZZ\*supplierVatID\*CZ20000808~**

- 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.

**SAC\*C\*H850\*\*\*0\*\*\*\*\*0.00\*\*Tax Description\*EN~  
TXI\*VA\*0.00\*0\*\*\*0\*\*0.00\*vat\*20230505060000ED~  
TXI\*VA\*0.00~**

[TXI\*VA] Tax point date Date expressed as format CCYYMMDDHHMMSS[timezone].  
Time expressed in 24-hour clock time as follows:  
HHMM,HHMMSS, HHMMSS, where H = hours (00-23), M = minutes (00-59) and S = integer seconds (00-59). [timezone] = Please refer to APPENDIX - CODELISTS 623 Time Code.

## 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".

**REF\*ZZ\*supplierCommercialIdentifier\*CZ20000000~**

and

**REF\*ZZ\*supplierCommercialCredentials\*CZ20000808~**

### X12 example:

*REF\*PO\*550001347200020JIT~*  
*REF\*ZZ\*netTermInformation\*P060~*  
*REF\*ZZ\*buyerVatID\*CZ26318890~*  
*REF\*ZZ\*supplierVatID\*CZ20000808~*  
*REF\*ZZ\*paymentMethod\*check~*  
*REF\*ZZ\*taxExchangeRate\*23.5902~*  
***REF\*ZZ\*supplierCommercialIdentifier\*CZ0001~***  
***REF\*ZZ\*supplierCommercialCredentials\*CZ20000808~***  
*REF\*ZZ\*ServiceDescription\*71080003~*  
*N1\*RI\*Supplier TEST~*

## 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 X12 segments are present and if it has a value:

1. Name
2. Postal Address Street
3. Postal Address City
4. Postal Address State
5. Postal Address Postal Code
6. Postal Address Country ISO Country Code Value

## 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 X12:

**At Invoice Header Level:**

Suppliers need to indicate tax exchange rate by inserting the following REF\*ZZ element within the Invoice Header:

**REF\*ZZ\*taxExchangeRate\*23.5902~**

**At Invoice Summary Level and Line level**

Applies to SubtotalAmount, TaxAmount and DueAmount: For example:

**SAC\*C\*H850\*\*\*7130\*\*\*\*\*1681.981260\*\*Tax Description\*EN~**  
**TXI\*VA\*51.30\*19\*\*\*\*\*270.00\*vat\*20230505~**  
**TXI\*VA\*1210.177260~**  
**TXI\*VA\*20.00\*20\*\*\*\*\*100.00\*vat\*20230505~**  
**TXI\*VA\*471.804000~**

Values highlighted in red is the alternative currency value.

**8.3. Advanced Pricing Details**

The UnitPrice value contains the line item unit price. The total price for the line is not transmitted but can be calculated by multiplying the Unit Price and the quantity.

The Price Basis Quantity 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.

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

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	$5223 \times 725 / 1000 \times 0.034 = 128.747$ CHF

Please align with your Nemak directly on materials that require advanced pricing details.

### Advanced pricing example segment in the 810

```

CUR*BY*EUR**BY*CZK~
CTP*WS***1*EA*CSD*1~
PAM****1*370.00~
    
```

#### 8.3.1. 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:

```
REF*ZZ*paymentMethod*check~
```

**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. X12 Example below:

```

N1*RB*Receiving bank~
REF*14**IBAN ID~
REF*02**SWIFT ID~
REF*9X**Account Type~
REF*11**Account ID~
REF*ACT**Account name~
REF*3L**Bank Branch ID~
    
```

### 8.3.2. Line Item & Summary Totals Definitions

TDS* <b>44130</b> *37000*44130*44130~	<b>GrossAmount</b> = SubtotalAmount plus any tax, shipping or special handling charges but does NOT include discount; This is the Subtotal amount plus taxes (VAT)
<b>AMT*ZZ*370.00~</b>	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.
<b>AMT*N*441.30~</b>	<b>NetAmount</b> = GrossAmount minus any discounts; (Basically this is the NetAmount+VatAmount); In case there is no Discounts or Adjustments then NetAmount=GrossAmount
<b>AMT*BAP*441.30~</b>	DueAmount = NetAmount minus any deposit passed

### 8.3.3. Unplanned Shipping

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

Unplanned shipping charges can be sent at the invoice summary level.

- Summary level tax for shipping required.

**SAC\*C\*G830\*\*\*500~**  
**TXI\*VA\*3.80\*19\*\*\*\*\*20\*vat\*20230505~**  
**TXI\*VA\*89.075420~**

## 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 the X12 transaction format. Only refer to the section that pertains to the format your organization will be sending/receiving from the SAP Business Network.

### New ANSI X12 supplier to the SAP Business Network must:

1. Support AS2 protocol. Ariba supports AS2 only for EDI transactions.
2. Review the ANSI X12 Standard Implementation Guideline available in here;  
[https://help.sap.com/docs/ANSIX12\\_4010](https://help.sap.com/docs/ANSIX12_4010)

## 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.

[www.sap.com/contactsap](http://www.sap.com/contactsap)