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**SAP Ariba Supplier Solution Blueprint**

April 2021





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# Version History

This log is updated each time an update is made to this guide. 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 | April 2021 | Matt Dallas | Initial Blueprint Guideline |
| 2.0 | June 2021 | Brent Cottrell | Refined Canada-specific invoice requirements, Corteva Project Dynamics contacts |
| 2.1 | June 2021 | Brent Cottrell | Removed requirement for Category and Tax Rate in summary-level tax requirements on invoices |
| 2.2 | June 2021 | Brent Cottrell | Re-applied requirement for Category and Tax Rate for Canada electronic invoices |

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# PROJECT DYNAMICS

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Company** | **Contact** | **Role** | **Email** | **Phone** |
| SAP Ariba |  | Seller Integrator |  |  |
| SAP Ariba | Matt Dallas | Senior Seller Integrator | Matthew.dallas@sap.com | 412-297-7953 |
| SAP Ariba |  | Customer Engagement Executive |  |  |
| SAP Ariba |  | Supplier Enablement Lead |  |  |
| SAP Ariba |  | Catalogue integrator |  |  |
| Buyer | Brent Cottrell | Project Lead / Testing Contact  (Supplier Enablement Integration Lead) | brent.cottrell@corteva.com |  |
| Buyer | Kelli Killmer | Technical (Developer) | kelli.killmer@corteva.com |  |
| Buyer | Ashley Lentz | Project Manager | ashley.lentz@corteva.com |  |
| Supplier |  | Project Lead |  |  |
| Supplier |  | Technical (Developer) |  |  |
| Supplier |  | Testing Contact |  |  |

|  |  |
| --- | --- |
| **Catalog Integrator:** Support Setup and testing of Catalog with buyer and supplier  **Customer Engagement Executive**: | **Supplier enablement Lead:** Consolidate all supplier’s enablement status for reporting to customer. |
| **Customer Engagement Executive:** Primary customer contact. | **Technical (Developer) (Buyer):** Support of cXML/EDI Identified Supplier testing. Provide connection parameters to ERP systems. Assist in troubleshooting document errors from the application/ERP. |
| **Project Lead (Supplier)**: Main contact for project coordination. Provide commitment to project timeline. Understand buyer's transaction validation rules. Participate in status meetings. | **Technical (Developer) (Supplier):** Provide technical details for integration to back-end systems. Perform data mapping. Assist in troubleshooting document failures.  Coordinate go live with functional resource. |
| **Project Lead (Buyer):** Main contact for project coordination. Enforce compliance of project timelines. | **Testing Contact (Buyer):** Provide technical details for integration to back-end systems. Perform data mapping. Assist in troubleshooting document failures.  Coordinate go live with functional resource. |
| **Seller Integrator:** Manage end-to-end supplier integration. Troubleshoot failed/rejected documents. Ensure timely completion of project milestones. Escalate issues to appropriate person/team. | **Testing Contact (Supplier):** Define & Validate catalogue content with Supplier.  Generate Test Orders. Reconcile and approve invoices. Assist in other testing activities, coordinate go-live. Download & validate applicable test transactions; load & process through ERP. |

# TIMELINES AND SCHEDULES

## SAP Ariba Integration Methodology Timeline

* Planning and testing are the most critical and time-consuming steps
* Milestone dates to be determined at kick-off meeting
* If Invoice/Order Confirmation are in scope, can the supplier support using the Ariba portal while integration testing is ongoing?
* If catalogs are in scope, activity should start at least two weeks prior to the Plan phase

**NB:** Timeline below is to be used as a guideline and is subject to change based on level and/or complexity of scope. Supplier’s input and/or availability may also impact timelines.



|  |  |  |
| --- | --- | --- |
| **Plan**   * Kick-off meeting * Define project scope * Document business rules * Prepare project schedule, with milestones * Confirm resources are in place * Governance model in place * Commitment from all parties | **Design**   * Supplier’s technical solution defined * Development timelines defined * Relationship established on SAP Ariba * SAP Ariba network account configured * Test scenario’s defined | **Build**   * Supplier develops mapping requirements * Establish connectivity to the AN * Submit sample documents for validation * SIT testing |
| **Test**   * UAT testing with pre-defined test scripts * Validation solution meets requirements * Formal sign-off and acceptance | **Deploy**   * Migration to production * Supplier migrates maps to production * AN account is setup * Change management in place | **Go Live**   * Confirm transactions in production * SI post-production support (2 weeks) * Project close |

## Project Schedule

|  |  |  |
| --- | --- | --- |
| **Milestone** | **Start Date** | **End Date** |
| **Plan** | 5/28/2021 |  |
| **Design** |  |  |
| **Build** |  |  |
| **Test** |  |  |
| **Deploy** |  |  |
| **Go Live – Crop Protection** | 08/02/21 | 08/02/21 |
| **Go Live – Seeds (Pioneer)** | July 2022 | July 2022 |

## Contingency Plan

Discuss what the contingency plan will be if target dates are not achievable.

Document:

* Why dates were missed
* New target dates
* How supplier will transact in the meantime

# ASSUMPTIONS & CONSTRAINTS

## Assumptions

* There will be a single primary point of contact with each Trading Partner for Project Management activities.
* It is assumed that assigned resources have the correct skills and knowledge to complete all responsibilities.
  + Knowledge of business operations with customer
  + Experienced Developers

## Constraints

Provide details of any challenges that would impact the scope and/or project timeline.

* Competing Priorities
  + Are other integration/capital projects running at the same time?
  + Can this project start now or in the future?
* System Maintenance Schedule
  + Upgrades
  + System refresh
* Resource Constraints
  + Vacations
  + Holidays
  + Knowledge
* Processes
  + Updates/changes to code must be scheduled
  + Go live at certain points of the month
* 3rd Party Dependencies
  + Are changes scheduled or added as needed?
  + Are error notifications/failures communicated back?
  + Is there a dedicated resource to support the project?
  + Will they attend standing calls?

# PROJECT SCOPE

|  |  |  |
| --- | --- | --- |
| **Documents In-Scope**   * Purchase Order * Change Order * Invoice | **Optional Documents**   * Order Confirmation * Advanced Ship Notification | **Documents Out of Scope**   * Receipt Notification * Service Entry Sheet * Service Entry Sheet Response |

## Document Details and Supplier Transmission

|  |  |  |  |
| --- | --- | --- | --- |
| **Document** | **Document Detail** | **Yes/No/Optional** | **Delivery** cXML/EDI/EDIFACT/Email/On-Line |
| **Orders** | Catalog | **Yes** |  |
| Non-Catalog | **Yes** |  |
| P-Card | **No** |  |
| Attachments | **Yes** |  |
| Blanket Order – with release | **Yes** |  |
| Blanket Order – without release | **No** |  |
| Service Order – sent as material | **Yes** |  |
| Service Order – sent as service | **Yes** |  |
| Change Order- catalog | **Yes** |  |
| Change Order – non-catalog | **Yes** |  |
| Change Order – P-Card | **No** |  |
| Precision Rounding | **No** |  |
| Advanced Pricing Detail | **Yes** |  |
| **Order Confirmation** | Header Level | **Optional** |  |
| Line Level | **Optional** |  |
| **ASN** | Advanced Shipping Notification | **Optional** |  |
| **GRN** | Receipt (Goods Receipt Notification) | **No** |  |
| **SES** | Service Entry Sheet | **No** |  |
| Service Entry Sheet Response | **No** |  |
| **Invoice** | Debit – Header Level | **No** |  |
| Debit – Line Level | **Yes** |  |
| Contract | **No** |  |
| Blanket | **No** |  |
| Non-PO | **Yes** |  |
| Service | **Yes** |  |
| Credit – Header Level | **Yes** |  |
| Credit – Line Level | **Yes** |  |
| Cancellations | **Yes** |  |
| Attachments | **Yes** |  |
| Precision Rounding | **No** |  |
| Advanced Pricing Detail | **Yes** |  |
| **Catalog** | CIF | **Yes** |  |
| Punchout – Level 1 | **Yes** |  |
| Punchout – Level 2 | **Yes** |  |
| **Cutover Documents** | Orders – With Legacy Flag | **No** |  |
| Order – Without Legacy Flag | **Yes** |  |
| Invoices – With Legacy Flag | **No** |  |
| Invoices – Without Legacy Flag | **No** |  |
| Buyer provides report of ‘Old’ and ‘New’ order numbers – Y/N | **No** |  |

## Cutover Documents

* Document how cutover activities will be handled
  + Any open orders will remain in its current configuration/transmission path. If it was started external to the Ariba Network, it will remain that way. Any new POs with the supplier after go-live will be expected to be over the AN.

# DOCUMENT REQUIREMENTS

The following tables outline the requirements unique to your Buyer’s procurement environment, as detailed in the Excel Delta document. Not all required elements as outlined in the DTD are represented as this is meant to identify information that is important to your Buyer.

## Orders

|  |  |  |
| --- | --- | --- |
| General | | |
| Change Orders | Yes | Allowed before any goods are shipped |
| Cancel Orders | Yes | Allowed before any goods are shipped |
| Order Type |  | Both Catalog and Non-Catalog orders are in scope |
|  |  | BPOs with Release are in scope |
|  |  | Service POs are in scope with parent/child relationship. May include a contract ID. |
|  |  | MRO and Direct Material Orders are in scope. These are sent from the S4 Hana ERP and have slightly different formatting. |
|  |  | Consignment Orders are in scope. These are sent from the S4 Hana ERP and have slightly different formatting. No invoice is expected against these types of POs. |
| Legacy Orders |  | A few Legacy Orders may be sent. This will be coordinated with the supplier beforehand. |
| **Header** | | |
| Ship To | Yes | Ship To Address IDs Required. Ship To information will be sent at the header level. Address and ID needs to be captured and returned on the invoice. Ad-Hoc Ship To’s may be used and have ADBuyer prefix. |
| Deliver To | Yes | There may be multiple Deliver To fields used |
| Bill To | Yes | Bill To Address IDs Required. Address and ID needs to be captured and returned on the invoice. |
| Payment Terms | Yes | Will be sent on all POs |
| Attachments |  | Attachments may be important. Can be drawings or project plan to be completed and supplier will need to get it from AN manually or via email. |
| Comments |  | Will include Corteva Terms and Conditions |
| Service PO |  | Sent from the S4 Hana platform and has a slightly different format than other POs. Legal Entity, supplier corporate party, and industry is included. |
| BPOs |  | Include Expiration Date and Release Required = Yes in header. Ship To will be found at header and line level. |
| Extrinsic Values | Optional | **Examples:**  <Extrinsic name="CompanyCode">0016</Extrinsic>  <Extrinsic name="LegalConditions">PO Terms &amp; Conditions:www.poterms.com</Extrinsic>  <Extrinsic name="InvoicingConditions">Invoice Terms:www.invoicingterms.com</Extrinsic>  **Examples for Service Orders:**  <Extrinsic name="CompanyCode">0016</Extrinsic>  <Extrinsic name="PurchaseGroup">N05</Extrinsic>  <Extrinsic name="PurchaseOrganization">NAMR</Extrinsic>  <Extrinsic name="Requester"/>  <Extrinsic name="Ariba.invoicingAllowed">Yes</Extrinsic>  <Extrinsic name="Ariba.availableAmount">65</Extrinsic>  <Extrinsic name="buyerVatID"/>  <Extrinsic name="supplierVatID"/>  <Extrinsic name="partyAdditionalID">0010093838</Extrinsic>  <Extrinsic name="AribaNetwork.PaymentTermsExplanation">Net 30 Days from Date of Invoice</Extrinsic>  **Examples for BPOs:**  <Extrinsic name="Ariba.availableAmount">10000.0000000000</Extrinsic>  <Extrinsic name="Ariba.invoicingAllowed">No</Extrinsic>  <Extrinsic name="Ariba.collaborationAllowed">No</Extrinsic>  <Extrinsic name="Ariba.contractType">Commodity</Extrinsic>  <Extrinsic name="List of authorized users"/>  <Extrinsic name="Hierarchical Type">StandAlone</Extrinsic>  <Extrinsic name="Evergreen">No</Extrinsic>  <Extrinsic name="hideAmount">Yes</Extrinsic> |
| **Line Level** | | |
| Supplier Part ID |  | Supplier Product IDs will be sent on catalog orders. Will be when available for non-catalog orders |
| Buyer Part ID |  | May be sent on non-catalog POs if available |
| Manufacturer Part ID |  | May be sent on non-catalog POs if available |
| Supplier Part Auxiliary ID |  | May be sent on non-catalog POs if available |
| Unit of Measure |  | UNUOM |
| Classification Code |  | UNSPSC |
| Service PO |  | Sent from the S4 Hana platform and has a slightly different format than other POs. A Parent/Child hierarchy is used. Max and Min quantity is sent, as are Control Keys, Schedule Lines and Distribution. |
| BPO |  | Ship To will be found at header and line level. |
| MRO/Direct Material PO |  | Control Keys and Schedule Lines are used. |
| Consignment PO |  | Item Category shows as Consignment. Unit Price will not be displayed. Control Keys and Schedule Lines are used. |
| Requester |  | Will be sent on POs as a contact resource |
| Extrinsic Values | Optional | **Examples**:  <Extrinsic name="Req. Line No.">1</Extrinsic>  <Extrinsic name="Requester">Michael Little</Extrinsic>  <Extrinsic name="PR No.">PR349</Extrinsic>  <Extrinsic name="Plant.Description">Johnston-US-Parent</Extrinsic>  <Extrinsic name="Plant.ID">3775</Extrinsic>  <Extrinsic name="incoTerm"/>  <Extrinsic name="incoTermLocation"/>  <Extrinsic name="QuoteReference"/>  <Extrinsic name="QuoteLineReference"/>  **Examples for Service PO:**  <Extrinsic name="AccountCategory">K</Extrinsic>  <Extrinsic name="extLineNumber">10</Extrinsic>  <Extrinsic name="GenericServiceCategory">service</Extrinsic>  **Examples for BPO:**  <Extrinsic name="Discount">No Discount</Extrinsic>  <Extrinsic name="isRecurring">no</Extrinsic>  <Extrinsic name="LineType">Non-Catalog Item</Extrinsic> |

## Order Confirmation

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| General | | | | |
| In Scope? | | Yes | | Optional (encouraged) |
| **Header** | | | | | |
| Attachments | |  | | Attachments Allowed | |
| **Line Level** | | | | | |
| Estimated Shipment Date | |  | | Recommended | |
| Estimated Delivery Date | | Yes | | Required | |
| Rejections | |  | | Require a Reason at line level | |
| Comments | |  | | Required when there is a rejection or any changes compared to PO | |

## Advanced Shipping Notification (ASN)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| General | | | | |
| In Scope? | | Yes | | Optional (encouraged) |
| **Header** | | | | | |
| Packing Slip ID | | Yes | | Unique Packing Slip ID Required (ASN Shipment ID) | |
| Shipping Date | |  | | Recommended | |
| Delivery Date | | Yes | | Required | |
| Attachments | |  | | Attachments Allowed | |
| Delivery & Transport | |  | | Delivery and Transport information allowed such as Carrier Name or Tracking Number | |
| **Line Level** | | | | | |
| Component Receipt | |  | | Component Receipt for multiple multi-tier notices allowed to be created | |

## Invoice

|  |  |  |  |
| --- | --- | --- | --- |
| General | | | |
| Partial Invoices | |  | Allowed |
| Cancel Invoices | | No | Not Allowed. Supplier would need to submit a credit then send a new invoice |
| Non-PO Invoices | |  | In Scope |
| Service Invoice | |  | In Scope. Does not auto-generate Service Entry Sheet as that is not in scope for supplier to transmit |
| Header Credit Memo | |  | In Scope |
| Line-Level Credit Memo | |  | In Scope. LLCM must reference another Invoice. Comments Required for a Line-Level Credit Memo |
| **Header** | | | | |
| Invoice Number | |  | | Max Length of 16 characters. No Spaces Allowed. Failed Invoice Numbers can be reused. |
| Invoice Date | |  | | No Backdating Allowed |
| Bill To | | Required | | Bill To ID and Address Required |
| Remit To | |  | | Remit To Address Recommended |
| Remit To – If Canada | | *Canada* | | For Canada Invoices, Supplier Tax ID required in Remit To |
| Sold To | | Required | | Sold To Address is Required |
|  | | Non-PO | | Sold To Address and Email Address is Required |
| Ship From | | Required | | Ship From Address is Required |
| Ship To | | Required | | Ship To ID and Address Required |
| From | | Required | | From Address Required |
| From – If Canada | | *Canada* | | For Canada Invoices, Registration Numbers are required in From party |
| Party addresses | |  | | Strict validation is enforced for all parties |
| Payment Terms | |  | | Payment Terms Required |
| Attachments | |  | | Allowed |
| Extrinsic Values | | Optional | | **Examples:**  <Extrinsic name="invoiceSourceDocument">PurchaseOrder</Extrinsic>  <Extrinsic name="CompanyCode">0016</Extrinsic>  <Extrinsic name="invoicePDF"><Attachment> <URL>cid:2019442981.1614868089923@cxml.org</URL>  </Attachment></Extrinsic>  <Extrinsic name="AribaNetwork.PaymentTermsExplanation">Net 30 Days from Date of Invoice</Extrinsic>  <Extrinsic name="netTermInformation">15</Extrinsic>  <Extrinsic name="buyerVatID">100297673</Extrinsic>  <Extrinsic name="supplierVatID">324432234</Extrinsic>  <Extrinsic name="totalNumberOfLineItems">1</Extrinsic> |
| **Line Level** | | | | |
| Item Quantity | |  | | Must be greater than zero |
| Item Unit Price | |  | | Must be greater than zero |
| Currency | |  | | Local Currency Must be used |
| Item Description | |  | | Required |
| Advanced Pricing/Price Basis Quantity | |  | | Advanced Pricing Details Allowed |
| Taxes | |  | | Supported at Summary and Line Level, and must include Taxable Amount and Tax Amount |
| Taxes – If Canada | | *Canada* | | Required at Line Level, and must include Tax Rate, Category, Taxable Amount, Tax Amount, and Location |
| Shipping Charges | |  | | Supported at Summary or Line Level |
| Shipping Charges – If Canada | | *Canada* | | Must be at Line Level |
| Special Handling | |  | | Supported at Summary or Line Level |
| Special Handling – If Canada | | *Canada* | | Must be at Line Level |
| Extrinsic Values | | Optional | | **Examples:**  <Extrinsic name="punchinItemFromCatalog">no</Extrinsic>  **Examples for Service Invoice:**  <Extrinsic name="isLineFromPO">yes</Extrinsic>  <Extrinsic name="parentPOLineNumber">10</Extrinsic>  <Extrinsic name="extLineNumber">10</Extrinsic>  <Extrinsic name="parentExtLineNumber">00010</Extrinsic> |
| **Summary Detail** | | | | |
| Subtotal Amount | | Yes | | Required |
| Taxes | |  | | Supported at Summary and Line Level. Taxable Amount and Tax Amount Required |
|  | | Yes | | Taxes Required (line or summary) even if the amount is zero. |
| Special Handling | |  | | Supported at Summary or Line Level |
| Shipping Amount | |  | | Supported at Summary or Line Level |
| Gross Amount | |  | | Supported |
| Net Amount | |  | | Supported |
| Due Amount | |  | | Supported |

**Tax Requirements**

* + Tax (US) is supported at the both the line level or summary level
  + Tax (US): Taxable Amount and Tax Amount are required; Category and Percentage Rate

are optional

* + Tax (Canada) is supported only at the line item level
  + Tax (Canada): Tax Rate, Category, Taxable Amount, Tax Amount, and Location are

required

* + A summary tax amount is required on all invoices even if that amount is zero.

## Supporting Documentation

Have the buyer provide documentation for the following, if in scope:

* Ship To addresses & ID
* Bill To addresses & ID

## Where to Find Buyer Transaction Rules

Rules configured by the Buyer that define how transactions will e validated on the Ariba Network from a technical and business process perspective. These rules define the technical requirements presented in the Ariba Integration Guide and are unique to each Buyer.

To view a Buyers transaction rules:

1. Login at supplier.ariba.com
2. Select Company Settings in the blue menu at the top of the page
3. Select Customer Relationships
4. Select the Customer to view their unique rules

# CONNECTIVITY AND INFRASTRUCTURE

## Buyer Profile

|  |  |  |
| --- | --- | --- |
| **Identification** | **Test** | **Production** |
| ANID | AN01434819047-T | AN01434819047 |

|  |  |
| --- | --- |
| **System Profile** | **Description** |
| ERP | Ariba B&I and S4 Hana |
| Middleware |  |
| Buying Channels | Ariba B&I and S4 Hana |
| UoM Classification | UNUOM |
| UNSPSC Classification | UNSPSC |

## Supplier Profile

|  |  |  |
| --- | --- | --- |
| **Identification** | **Test** | **Production** |
| ANID |  |  |
| DUNS |  |  |
| DUNS+4 |  |  |
| ISA Qualifier |  |  |

|  |  |
| --- | --- |
| **System Profile** | **Description** |
| ERP | SAP R/3 v4.7  SAP ECC 5.0  SAP ECC 6.0  SAP S/4 HANA  Oracle 12c v11.2.0.4  Oracle 12c v12.1.0.2  Oracle 12c v12.2.0.1  PeopleSoft  In House |
| Middleware | webMethods  Mincom  BizTalk  In House |
| UoM Classification | UNUOM  ANSI  Custom |
| UNSPSC Classification | UNSPSC V11.2  UNSPSC V12.2  Custom |

## Supplier ERP Connection

|  |  |
| --- | --- |
| **Type** | **Description** |
| **Connection** | Cloud Integration Gateway (CIG) |
| **Authentication** | * Certificate by a Trusted Authority. No self-signed certificates, base64 encoding * Name & Password |
| **VAN** | Y/N |
| **Third Party Provider** | Provide company information |

# SUPPLIER ERROR HANDLING & BUSINESS PROCESS

## Order Validation

Identify which fields from the Order and Change Order are validated in Supplier’s ERP:

* Part Number
* Unit Price
* UOM
* UNSPSC
* Delivery Date
* Service Date (start & end)

## Invoice Processing

Identify how the invoices are sent to the AN.

* Real time (individually)
* Batched
* Scheduled run nightly
* Scheduled run next business day *(check if there is any conflict with backdating rule. Would also apply to corrected invoices)*

## Error Handling

Discuss and document the process for the various cases below. Add in any other error handling cases.

* What happens when an order is transmitted to the supplier’s system, but is not processed?
  + Is there an error log that is monitored?
  + How often are the logs checked?
  + Who is notified?
  + How is this corrected?
  + What is the turn-around time to address failed orders?
* What happens when an order fails on data validation? Ie. Wrong part number, price, UOM…..
  + Who gets notified?
  + How is this corrected?
  + Does the supplier system automatically make substitutions?
  + What is the turn-around time to address failed orders?
* Is there any schema or data validation done on the invoice before it is sent to the AN?
* What is the process if an invoice fails against a business rule in the AN?
* What is the process if an invoice is rejected by the buyer?
* What is the process if duplicate invoice numbers are not allowed when an invoice has failed or been rejected?

## Business Processes

Describe any out of the box/unique processes that will be put into place.

Example:

* How change orders will be handled if not supported electronically?
* If order confirmation is not in scope, how will changes be communicated back to buyer?

# POST GO LIVE SUPPORT

Seller Integrators provide two weeks support post go live starting with the first transaction in Production. After the two-week period, a Service Request should be created for any assistance. See imbedded deck for details instructions.



# SUPPLEMENTAL DOCUMENTATION

This document contains Armstrong Ceilings specific information regarding transaction requirements. Information in this document does NOT cover the complete technical aspects of integrating with the Ariba Network. Below are three sections for supplemental documentation to be used with this document for cXML, EDI or PIDX transaction formats. Only refer to the section that pertains to the format your organization with be sending/receiving.

## cXML Section for Supplemental Documentation

New cXML supplier to Ariba 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. Ariba 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](http://cxml.org/) Download [InvoiceDetail.zip](http://xml.cxml.org/current/InvoiceDetail.zip) for the InvoiceDetailRequest.dtd.
* <http://cxml.org> Download cXML.DTD for the OrderRequest
* <http://cxml.org> Download Fulfill.dtd for ConfirmationRequest/ShipNoticeRequest

EDI x12 Supplemental Documentation via SAP Ariba Cloud Integration Gateway   
New Cloud Integration Gateway supplier to the Ariba Network

* [Cloud Integration Portal Guide](https://integration.ariba.com/#/resources) (aka. CIG “How to Guide”)

[All EDI Supplier Guides](https://integration.ariba.com/#/resources)

* SAP Ariba PO850 4010 Purchase Order
* SAP Ariba PC860 4010 Purchase Order Change
* SAP Ariba PR855 4010 PO Acknowledgment (Order Confirmation)
* SAP Ariba IN810 4010 Invoice
* SAP Ariba FA997 4010 Functional Acknowledgment (inbound)
* SAP Ariba FA997 4010 Functional Acknowledgment (outbound)

PIDX Supplemental Documentation via SAP Ariba Cloud Integration Gateway   
New Cloud Integration Gateway supplier to the Ariba Network

* [Cloud Integration Portal Guide](https://integration.ariba.com/#/resources) (aka. CIG “How to Guide”)

[All PIDX Supplier Guides](https://integration.ariba.com/#/resources)

* SAP Ariba PIDX OrderCreate OrderChange 1.61 Outbound
* SAP Ariba PIDX OrderResponse 1.61 Inbound
* SAP Ariba PIDX Invoice 1.61 Inbound
* SAP Ariba PIDX InvoiceResponse
* SAP Ariba PIDX Receipt Outbound

If you do not yet have user access to CIG, the SAP Ariba Seller Integrator will forward these documents. Once user access is obtained, the current CIG documentation may be viewed in or downloaded from the CIG Resources section.

# SAP ARIBA CUSTOMER SUPPORT FOR SUPPLIERS

**How to utilize Help Center and access Customer Support**

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

**Access the Help Center**

[Sign in to your account](https://service.ariba.com/Supplier.aw/128579057/aw?awh=r&awssk=hHBjg49w&dard=1) (supplier.ariba.com) and look to the right-hand side of your screen to view the Help Center panel. If the panel is collapsed and you can’t see any articles, click Help Center >> to expand.

**Using the Help Center**

The Help Center is the first place to start if you have questions about any Ariba Solution. You can search for answers to functional and navigational questions in our FAQs and Tutorials.

The following tutorials are helpful when you’re getting started:

* + [Supplier Basics](https://uex.ariba.com/auc/node/99957)
  + [Invoices](https://uex.ariba.com/auc/node/100330)

**Still need more help? Contact Customer Support**

If you don’t find your answer after searching, you can request direct support via email, chat, or phone (depending on the type of account you have).

**To Request Support:**

* 1. Click the  icon in the bottom-right corner of the expanded Help Center. After clicking, you will see a new window titled **Ariba Exchange User Community**.
  2. You will see the words **I need help with** next to a search bar. If you don’t see this, click **Support** in the upper-right corner of your screen.
  3. Search for your issue in the **I need help with** search bar.

Based on your search, you may see Guided Assistance. Guided Assistance features a series **Yes** or **No** questions that will guide you either to support options or to relevant content to resolve your issue. If the guided content does not resolve the issue, the following direct support options are presented:

*Email SAP Ariba Customer Support*

* Send a written online request to SAP Ariba Customer Support via a short webform.
* Provide a Short Description, Details, and Attachment to ensure a fast and accurate response.

*Get help by live chat*

* Start a live chat with an SAP Ariba Customer Support specialist.

*Click to call*

* Avoid waiting on the phone. Fill in a short form to request a callback from the next available specialist.

# APPENDIX A

## Precision Rounding on Invoice

An invoice exception will occur in the Ariba Network if the monetary amount has a mathematical error. There are two general situations where this happens.

1. Monetary values sent are not calculated correctly (net amount/gross amount)
2. A rounding algorithm is being used where the rounding is different from the Ariba Buying & Invoicing solution (B&I)

**Two Solutions**

1. Send the same monetary values as what was sent on the originating order
2. **In B&I**, set the field “***AmountRoundingForInvoiceExceptionCalculation***” as follows

**0 = No rounding:** This is the default value. No rounding occurs when Ariba computes the amounts and then compares the amounts against the total invoiced.

**1 = Round invoice line item amounts to currency precision**: Ariba rounds all line amounts to currency precision, and then totals the line item amounts and compares that to the total invoiced amount.

**2 = Round invoice total cost to currency precision:** Ariba totals the line items amounts first and then rounds the total amount to currency precision before comparing it to the total invoiced amount.

|  |  |  |
| --- | --- | --- |
| **Without Rounding (0)** | **With Rounding on Line Amount (1)** | **With Rounding on Invoice Total (2)** |
| Line 1 2045.046 (price) \* 9.94 (quantity) = 20, 327.757 | 20,327.76 (rounded) | 20,327.757 |
| Line 2 121.511 (price) \* 7.04 (quantity) = 855.43744 | 855.44 (rounded) | 855.43744 |
| Total = 21, 183.19444 | Totals to 21,183.20 | Rounded to 21,183.19 |

# APPENDIX B

## Advanced Pricing / Price Basis Quantity (PBQ)

Check if the Buyer rules allow for changes to advanced pricing detail. You can find how to do this in “[Buyer Transaction Rules](#_Buyer_Transaction_Rules)” section.

If there is Advanced Pricing/PBQ, the detail section of Pricing details will be sent in the cXML

**Usually**, Subtotal = Unit Price \* Quantity, which in this case will not be true, 60 ≠ 48 \* 7.50. (48\*7.50 = 360)

**However**, for PBQ, the formula used is

**Subtotal = Quantity \* (Unit Conversion/Price Unit Quantity) \* Unit Price**

**60 = 48 \* (1/6) \* 7.50**

Easier way to remember is  buyer is selling “item” in pack of 6. So, price 7.50 is price of 6.

Quantity is 48 (6\*8). Even though quantity says 48, actually it is 8 packs of 6. So the subtotal price is 8 \*7.50 = 60.





**EDI Suppliers must ad CTP segment as is from the PO for Advanced pricing.**

PO1\*00010\*48\*EA\*7.5\*\*VP\*80-41015\*\*\*\*\*C3\*Generic~

CUR\*BY\*USD~

CTP\*WS\*\*\*6\*EA\*CSD\*1~



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