



**SAP Ariba Sourcing Project (Bids) to Sirion
CLM Contract Request - SAP CI
Configuration Guide**

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Contents

1. Introduction	5
1.1. Data Synchronization between SAP Ariba and Sirion CLM	5
1.2. Intended Audience	6
2. Pre-requisites	7
2.1. Sirion CLM Configuration	7
2.2. SAP Ariba Configuration	9
2.3. Master Data Mapping	12
2.4. Field Mappings	12
3. SAP CI Configuration	14
3.1. Configure and deploy iFlow on your SAP Cloud Integration Tenant	14
3.2. Security Artifacts Setup	14
3.3. Integration Flow Configuration	15

1. Introduction

This document provides a comprehensive guide to the key configuration steps required for seamless integration between SAP Ariba Sourcing (Project/Workspace, Request for Proposal (RFP), Bid and so on) and Sirion Contract Lifecycle Management (CLM). The integration ensures that sourcing projects and events created in SAP Ariba are automatically transitioned into Sirion CLM under the Contract Request (CDR) module.

For each bidding supplier in SAP Ariba, a corresponding CDR is created in Sirion CLM. Additionally, for each line item in the bid, a Contract Line Item (CLI) is created within the associated CDR—based on the specific business use case. This facilitates synchronization between both systems, supporting a unified sourcing and contracting process and enabling end-to-end contract lifecycle management.

Refer to the following image to understand the integration workflow between SAP Ariba Sourcing and Sirion CLM.

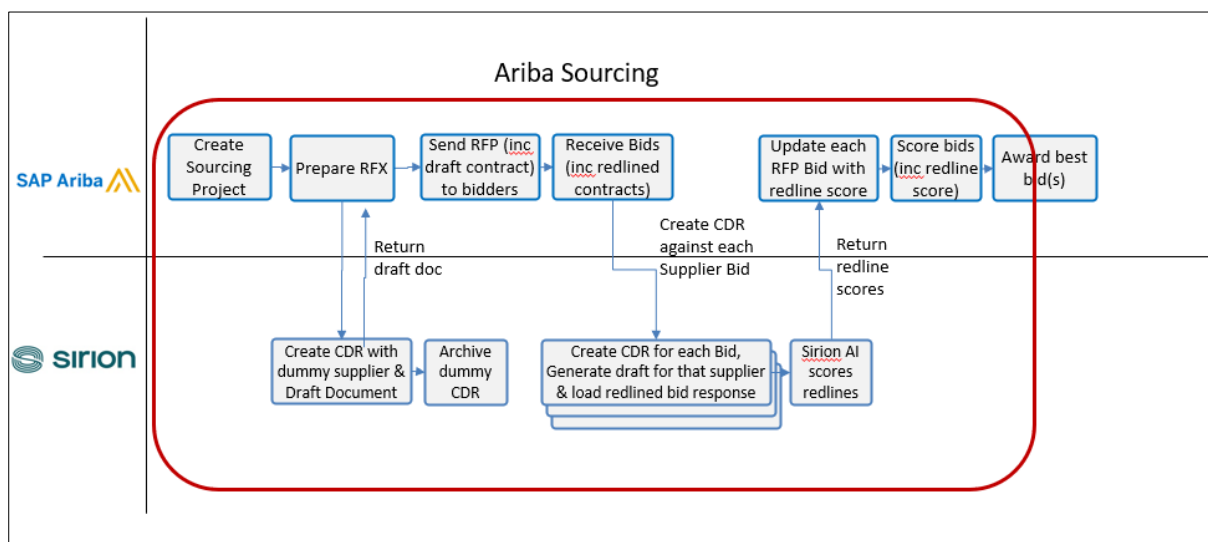


Figure 1: Integration Workflow

- Pre-requisites
 - Sirion CLM Configuration
 - SAP Ariba Configuration
 - SAP Ariba – Sirion CLM Mapping
- SAP CI configurations
 - Configure and Deploy iFlow on SAP CI
 - Security Artifacts Setup
 - Integration Flow Configuration

1.1. Data Synchronization between SAP Ariba and Sirion CLM

The integration streamlines and automates key sourcing workflows, ensuring efficient contract creation and supplier engagement. The following is a technical view of the data flow between the systems involved in the implementation:

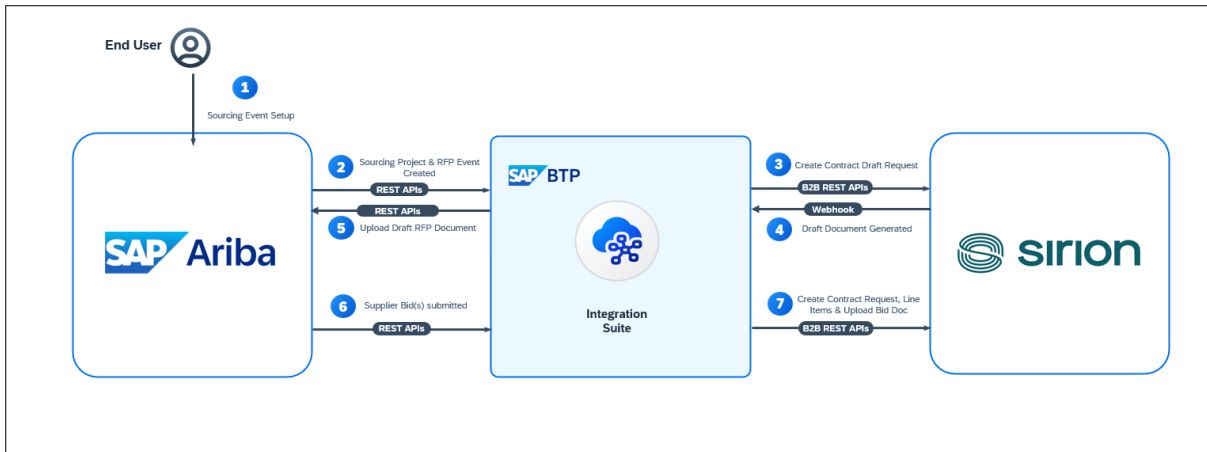


Figure 2: Data Flow Between The Systems

- Initially, SAP Ariba system captures and manages customer requirements, creating Sourcing Project, defining tasks and checkpoints based on various parameters and rules (step 1). Once a given task is completed, it seamlessly transitions into the Sirion CLM system (steps 2 and 3).
- Once Sourcing Project is created and draft contract document uploaded in SAP Ariba (steps 4 and 5), Request for Proposal (RFP) is sent to the bidders. Once a bid is received (including redlined contract), it seamlessly transitions into the Sirion CLM system (steps 6 and 7).

1.2. Intended Audience

This document is intended for the following teams:

- Integration Developers
- Business Users
- Product Management

2. Pre-requisites

This integration setup requires additional configuration steps in Sirion and SAP Ariba as listed below:

2.1. Sirion CLM Configuration

2.1.1. API OAuth 2.0 Credentials

Client administrator should be able to generate the OAuth Client credentials for Sirion B2B APIs. The administrator will share the 'OAuth Client Id' and 'OAuth Client Secret' which will be used in the subsequent configuration steps.

2.1.2. iFlow: Replicate Project from SAP Ariba to Sirion CLM Contract Request (CDR)

2.1.2.1. Metadata Fields

The following table shows the required metadata fields to be configured for respective entities in Sirion for this iFlow.

- **Contract Request (CDR)**

S. No.	Sirion CDR Field Name	Field Type
1.	ARIBA Event Id	Text
2.	Ariba Sourcing Workspace	Text Area
3.	Currency	Drop Down
4.	Title	Text
5.	Effective Date	Date (YYYY-MM-DD)
6.	Expiration Date	Date (YYYY-MM-DD)
7.	TCV	Number
8.	ID	Text (auto-generated)
9.	Purchase Contract Target Amount	Number
10.	Functions	Drop Down
11.	Services	Drop Down
12.	Regions	Drop Down
13.	Countries	Drop Down
14.	Requestor	Drop Down

Table 1: CDR Metadata

2.1.3. iFlow: Upload CDR Document in SAP Ariba Sourcing Project

2.1.3.1. Workflow Logic

Workflow configuration needs to be done such that the Draft document to be uploaded in SAP Ariba and sent to bidders is generated under the Contract Document section of the CDR in Sirion.

2.1.4. iFlow: Replicate RFP and Supplier Bids from SAP Ariba to Sirion CLM

2.1.4.1. Workflow Logic

The draft document under the Contract Document section of the CDR in Sirion CLM is generated after the CDR is created and the 'Generate Draft' workflow is triggered on the Sirion CLM side through integration. This document is then used to compare and calculate deviation score against the Supplier Bid document uploaded in Sirion CLM.

While the triggering workflow can be configured as required, there should be exactly one document template available on the CDR to ensure successful generation of the Draft document.

2.1.4.2. Metadata Fields

The following table shows the required metadata fields to be configured for respective entities in Sirion for this iFlow.

- **Contract Request (CDR)**

S. No.	Sirion CDR Field Name	Field Type
1.	ARIBA Event Id	Text
2.	Ariba Sourcing Workspace	Text Area
3.	Currency	Drop Down
4.	Title	Text
5.	Effective Date	Date (YYYY-MM-DD)
6.	Expiration Date	Date (YYYY-MM-DD)
7.	TCV	Number
8.	ID	Text (auto-generated)
9.	Counterparty	Drop Down
10.	Purchase Contract Target Amount	Number
11.	Functions	Drop Down
12.	Services	Drop Down
13.	Regions	Drop Down
14.	Countries	Drop Down
15.	Requestor	Drop Down

Table 2: CDR Metadata

- **Contract Line Items (CLI)**

S. No.	Sirion CLI Field Name	Field Type
1.	Supplier Part Id	Text
2.	Description	Text

3.	Commodity	Drop Down
4.	Material	Drop Down
5.	Quantity	Number
6.	Price	Number
7.	Currency	Drop Down
8.	Amount	Auto-Calculated (Quantity * Price)
9.	Start Date	Date (YYYY-MM-DD)
10.	End Date	Date (YYYY-MM-DD)

Table 3: CLI Metadata

2.2. SAP Ariba Configuration

2.2.1. iFlow: Replicate Project from SAP Ariba to Sirion CLM Contract Request (CDR)

2.2.1.1. API Setup

Sourcing Project Management (REST)

The following APIs need to be enabled from the SAP Ariba Developer Portal, with the required authentication method and user credentials configured.

1. These APIs are being used to fetch modified Sourcing Projects between integration runs.

```
<SAP Ariba Instance Base URL>/api/sourcing-project-management/v2/prod/projects
```

```
<SAP Ariba Instance Base URL>/api/sourcing-project-management/v2/prod/projects<Project ID>
```

2. This API is being used to fetch the status of the task items within the Project.

```
<SAP Ariba Instance Base URL>/api/sourcing-project-management/v2/prod/projects<Project ID>/tasks
```

2.2.1.2. Metadata Fields

The following table shows the required metadata fields to be configured in SAP Ariba for this iFlow.

- **Project Header Level**

S. No.	Name	Type
1.	ID	Text (auto-generated)
2.	Baseline Spend	Text
3.	Title	Text
4.	Contract Effective Date	Date
5.	Contract Months	Number
6.	Commodity	Text

7.	Regions	Text
8.	Owner	Text

Table 4: Project Header Level Metadata

2.2.2. iFlow: Upload CDR Document in SAP Ariba Sourcing Project

2.2.2.1. API Setup

Sourcing Project Management (REST)

The following API needs to be enabled from the SAP Ariba Developer Portal, with the required authentication method and user credentials configured.

1. This API endpoint is used to retrieve the list of documents associated with the sourcing project in SAP Ariba. We are using it specifically to fetch the RFP document's ID.

```
<SAP Ariba Instance Base URL> /api/sourcing-project-  
management/v2/prod/projects/<Project ID>/documents
```

Sourcing Event Management (REST)

The following APIs need to be enabled from the SAP Ariba Developer Portal, with the required authentication method and user credentials configured.

1. This API endpoint is used to retrieve the list of line items defined within the RFP document.

```
<SAP Ariba Instance Base URL>/api/sourcing-  
event/v2/prod/events/<RFP Document ID>/items
```

2. This API is being used to upload RFP Draft document fetched from Sirion CLM against the respective RFP line item.

```
<SAP Ariba Instance Base URL>/api/sourcing-  
event/v2/prod/events/<RFP Document ID>/items/<Item ID>/attachments
```

2.2.3. iFlow: Replicate RFP and Supplier Bids from SAP Ariba to Sirion CLM

2.2.3.1. API Setup

Sourcing Project Management (REST)

The following APIs need to be enabled from the SAP Ariba Developer Portal, with the required authentication method and user credentials configured.

1. These APIs are being used to fetch modified Sourcing Projects between integration runs.

```
<SAP Ariba Instance Base URL>/api/sourcing-project-  
management/v2/prod/projects
```

```
<SAP Ariba Instance Base URL>/api/sourcing-project-  
management/v2/prod/projects/<Project ID>
```

2. This API is being used to fetch the status of the task items within the Project.

```
<SAP Ariba Instance Base URL>/api/sourcing-project-  
management/v2/prod/projects/<Project ID>/tasks
```

3. This API is being used to fetch the RFP document's ID.

```
<SAP Ariba Instance Base URL>/api/sourcing-project-  
management/v2/prod/projects/<Project ID>/documents
```

Sourcing Event Management (REST)

The following API needs to be enabled from the SAP Ariba Developer Portal, with the required authentication method and user credentials configured.

1. This API endpoint is used to retrieve the list of supplier bids submitted for the RFP document.

```
<SAP Ariba Instance Base URL>/api/sourcing-  
event/v2/prod/events/<RFP Document ID>/supplierBids
```

2. This API endpoint is used to download the content of the bid document submitted by the respective supplier based on the given Invitation ID.

```
<SAP Ariba Instance Base URL>/api/sourcing-  
event/v2/prod/events/<RFP Document ID>/supplierBids/<Supplier  
Invitation ID>/attachments/<Supplier Bid Document ID>/content
```

2.2.3.2. Metadata Fields

The following table shows the required metadata fields to be configured in SAP Ariba Sourcing Project for this iFlow.

- **Header-Level Fields (Project)**

S. No.	Name	Type
1.	ID	Text (auto-generated)
2.	Baseline Spend	Text
3.	Title	Text
4.	Contract Effective Date	Date
5.	Contract Months	Number
6.	Commodity	Text
7.	Regions	Text
8.	Owner	Text

Table 5: Header-Level Fields Metadata

- **Item-Level Fields (Document)**

S. No.	Name	Type
1.	Supplier Part Id	Text
2.	Title	Text
3.	Quantity	Number
4.	Extended Price	Number
5.	SAP Material	Text

6.	Start Date	Date
7.	End Date	Date

Table 6: Item-Level Fields Metadata

2.3. Master Data Mapping

Certain fields require maintaining cross-references between Sirion and their corresponding values in SAP Ariba. This is achieved using the **Value Mapping** functionality in SAP CI.

Extract all possible values from both systems and create the master data mapping for the given fields mentioned in the following section: this will be used while configuring the Value Mapping artifact. Refer to 'Value Mappings' sub-headings under **Section 3.3** later in this guide.

2.4. Field Mappings

In this section, the field mappings mentioned are customizable and can be enhanced based on the respective Sirion CLM and SAP Ariba metadata configurations.

2.4.1. iFlow: Replicate Project from SAP Ariba to Sirion CLM Contract Request (CDR)

- **SAP Ariba Sourcing Project to Sirion CDR (Header Level)**

S. No.	SAP Ariba Field Name	Sirion CDR Field Name	Comments
1.	ID	ARIBA Event Id	
2.	ID	Ariba Sourcing Workspace	Hyperlink to SAP Ariba Workspace/Project
3.	Baseline Spend → Currency	Currency	Value mapping used
4.	Title	Title	
5.	Contract Effective Date	Effective Date	
6.	Contract Effective Date + Contract Months	Expiration Date	
7.	Baseline Spend → Amount	TCV	
8.	Baseline Spend → Amount	Purchase Contract Target Amount	
9.	Commodity	Functions	Value mapping used
10.	Commodity	Services	Value mapping used
11.	Regions	Regions	Value mapping used
12.	Regions	Countries	Value mapping used
13.	Owner	Requestor	Value mapping used

Table 7: SAP Ariba Sourcing Project to Sirion CDR Field Mappings

2.4.2. iFlow: Replicate RFP and Supplier Bids from SAP Ariba to Sirion CLM

- **SAP Ariba Sourcing Project to Sirion CDR (Header Level)**

S. No.	SAP Ariba Field Name	Sirion CDR Field Name	Comments
1.	ID	ARIBA Event Id	
2.	ID	Ariba Sourcing Workspace	Hyperlink to SAP Ariba Workspace/Project
3.	Baseline Spend → Currency	Currency	Value mapping used
4.	Title	Title	
5.	Contract Effective Date	Effective Date	
6.	Contract Effective Date + Contract Months	Expiration Date	
7.	Baseline Spend → Amount	TCV	
8.	Supplier	Counterparty	Value mapping used
9.	Baseline Spend → Amount	Purchase Contract Target Amount	
10.	Commodity	Functions	Value mapping used
11.	Commodity	Services	Value mapping used
12.	Regions	Regions	Value mapping used
13.	Regions	Countries	Value mapping used
14.	Owner	Requestor	Value mapping used

Table 8: SAP Ariba Sourcing Project to Sirion CDR Field Mappings

- **SAP Ariba Document Items to Sirion CLI (Line-Item level)**

S. No.	SAP Ariba Field Name	Sirion CLI Field Name	Comments
1.	Supplier Part Id	Supplier Part Id	
2.	Title	Description	
3.	Commodity	Commodity	Value mapping used
4.	SAP Material	Material	Value mapping used
5.	Quantity	Quantity	
6.	Extended Price → Amount	Price	
7.	Extended Price → Currency	Currency	Value mapping used
8.	Start Date	Start Date	
9.	End Date	End Date	

Table 9: SAP Ariba Document Items to Sirion CLI Field Mapping

3. SAP CI Configuration

3.1. Configure and deploy iFlow on your SAP Cloud Integration Tenant

3.1.1. Copy Package

Copy the following package from Discover to the Design section on your tenant:

- **Sirion Contract Lifecycle Management with SAP Ariba Sourcing Bids**

NOTE – If the integration package is being created for the first time, you will see the "Integration Package Created" message. Otherwise, you will be prompted to either create a new copy of the package or overwrite the existing content. Click **Overwrite**.

3.1.2. Package Artifacts

The packages include the following artifacts:

- **Replicate Project from SAP Ariba to Sirion CLM Contract Request (CDR)**
iFlow for creating a Contract Request in Sirion against a Sourcing Project.
- **Upload CDR Document in SAP Ariba Sourcing Project**
iFlow to fetch and upload CDR Draft Document in SAP Ariba Sourcing Project.
- **Replicate RFP and Supplier Bids from SAP Ariba to Sirion CLM**
iFlow for creating a Contract Request and Contract Line items in Sirion against each Supplier Bid.
- **Value Mapping Between SAP Ariba and Sirion CLM**
Enables mapping of fields from SAP Ariba to corresponding values in Sirion CLM and vice-versa.

3.1.3. Access Design Mode

In the left navigation bar, select **Design** mode. The package will now be visible in the design area and ready for configuration.

3.2. Security Artifacts Setup

The following Security Artifacts need to be setup on your SAP CI Tenant:

3.2.1. Sirion CLM Credentials

1. Create Security Material

Create a Security Material of type 'OAuth2 Client Credentials' with the Sirion OAuth credentials generated previously ([Section 2.1.1](#)). Provide the below details:

- Name:** <Credential Name>
- Description:** <Credential Description>
- Token Service URL:** <OAuth2 Token Endpoint URL>
- Client ID:** <Client ID>
- Client Secret:** <Client Secret>
- Client Authentication:** Select 'Send as Body Parameter'
- Scope:** If required by the token service, enable and provide the necessary scope
- Content Type:** Select 'application/x-www-form-urlencoded'

2. Set Credential Name in iFlow

After deployment, set the 'Sirion OAuth Creds' external parameter in the iFlow to the credentials you just created.

3.2.2. Connectivity with SAP Ariba

1. Generate Authentication and API Keys

Create application and generate Authentication and API keys for Sourcing Project and Event Management from SAP Ariba Developer Portal.

2. Create respective Security Materials

Create Security Material of the required type under the **Monitor** → **Integrations and APIs** → **Security Material** area. If using OAuth2 authentication mechanism, follow the steps in the previous section (**Sirion CLM Credentials**) and use the Ariba credentials instead.

3. Set Credential Name in iFlow

After deployment, set the External Parameters 'Ariba Project OAuth Creds' and 'Ariba Event OAuth Creds' credentials in the iFlow with the name of Security Material created above.

3.3. Integration Flow Configuration

3.3.1. iFlow: Replicate Project from SAP Ariba to Sirion CLM Contract Request (CDR)

3.3.1.1. Configure Externalized Parameters

S. No.	External Parameter	Description
1.	Project Task Completed	Pipe-separated list of task names; integration triggers only when all listed tasks are completed.
2.	Project Modified From Datetime	Default timestamp used to filter and retrieve projects updated after this value. Typically used for the first integration run or one-time executions.
3.	Projects API Key	Alias of the Secure Parameter in SAP CI used while authenticating with SAP Ariba Project API.
4.	Send Email	Flag to decide if alert emails need to be sent. Other Email-related parameters are required if value is "Yes".
5.	Transaction Handling	Specifies if transaction handling is required.

Table 10: External Parameter to Replicate Project from SAP Ariba to Sirion CLM

3.3.1.2. Value Mappings

Update the following artifact using the Master Data mapping created earlier.

Value Mapping Between SAP Ariba and Sirion CLM

Fields requiring value mapping in Contract Request (CDR) are as follows:

S. No.	SAP Ariba Field Name	Sirion CDR Field Name
1.	Currency	Currency
2.	Commodity	Functions
3.	Commodity	Services
4.	Regions	Regions

5.	Regions	Countries
6.	Owner	Requestor
7.	Owner	Contract Manager

Table 11: CDR Value Mappings

3.3.2. iFlow: Upload CDR Document in SAP Ariba Sourcing Project

3.3.2.1. Configure Externalized Parameters

S. No.	External Parameter	Description
1.	Projects API Key	Alias of the Secure Parameter in SAP CI used while authenticating with SAP Ariba Project API.
2.	Events API Key	Alias of the Secure Parameter in SAP CI used while authenticating with SAP Ariba Event API.
3.	Ariba Document Type	Document type (Example: RFx) to be matched when retrieving Project documents.
4.	Draft Upload Line Item Title	RFP Line Item Title to upload the draft generated in Sirion to.
5.	Transaction Handling	Specifies if transaction handling is required.

Table 12: External Parameter to Upload CDR Document in SAP Ariba Sourcing Project

3.3.3. iFlow: Replicate RFP and Supplier Bids from SAP Ariba to Sirion CLM

3.3.3.1. Configure Externalized Parameters

S. No.	External Parameter	Description
1.	Project Task Completed	Pipe-separated list of task names; integration triggers only when all listed tasks are completed.
2.	Project Modified From Datetime	Default timestamp used to filter and retrieve projects updated after this value. Typically used for the first integration run or one-time executions.
3.	Projects API Key	Alias of the Secure Parameter in SAP CI used while authenticating with SAP Ariba Project API.
4.	Send Email	Flag to decide if alert emails need to be sent. Other Email-related parameters are required if value is "Yes".
5.	Template ID	ID of Contract Line Item template loaded in Sirion.

6.	Workflow Action ID	ID of the Workflow action to be performed after CDR creation and Bid document upload is completed in Sirion.
7.	Redlined Bid Document Name	Name of the Supplier Bid document to be used while uploading on CDR. Original name from SAP Ariba will be used if empty.
8.	Events API Key	Alias of the Secure Parameter in SAP CI used while authenticating with SAP Ariba Event API.
9.	Transaction Handling	Specifies if transaction handling is required.
10.	Ariba Document Type	Document type (Example: RFx) to be matched when retrieving Project documents.
11.	Draft Upload Line Item Title	RFP Line Item Title to upload the draft generated in Sirion to.

Table 13: External Parameter to Replicate RFP and Supplier Bids from SAP Ariba

3.3.3.2. Value Mappings

Update the below artifact using the Master Data mapping created earlier.

Value Mapping Between SAP Ariba and Sirion CLM

Fields requiring value mapping in Contract Request (CDR) are as follows:

S. No.	SAP Ariba Field Name	Sirion CDR Field Name
1.	Supplier	Counterparty
2.	Currency	Currency
3.	Commodity	Functions
4.	Commodity	Services
5.	Regions	Regions
6.	Regions	Countries
7.	Owner	Requestor
8.	Owner	Contract Manager

Table 14: CDR Value Mappings

Fields requiring value mapping in Contract Line Item (CLI) are as follows:

S. No.	SAP Ariba Field Name	Sirion CDR Field Name
1.	SAP Material	Material
2.	Commodity	Commodity
3.	Currency	Currency

Table 15: CLI Value Mappings

Figures

Figure 1: Integration Workflow.....	5
Figure 2: Data Flow Between The Systems.....	6

Tables

Table 1: CDR Metadata	7
Table 2: CDR Metadata	8
Table 3: CLI Metadata	9
Table 4: Project Header Level Metadata	10
Table 5: Header-Level Fields Metadata	11
Table 6: Item-Level Fields Metadata.....	12
Table 7: SAP Ariba Sourcing Project to Sirion CDR Field Mappings	12
Table 8: SAP Ariba Sourcing Project to Sirion CDR Field Mappings	13
Table 9: SAP Ariba Document Items to Sirion CLI Field Mapping	13
Table 10: External Parameter to Replicate Project from SAP Ariba to Sirion CLM.....	15
Table 11: CDR Value Mappings	16
Table 12: External Parameter to Upload CDR Document in SAP Ariba Sourcing Project	16
Table 13: External Parameter to Replicate RFP and Supplier Bids from SAP Ariba	17
Table 14: CDR Value Mappings	17
Table 15: CLI Value Mappings	17

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