

R2 Data Approach (DD-DAT-020)

Status	Approved
Owner	NARAHARI-ext, Bhargavi
Stakeholders	

Purpose

This document outlines the SyWay Program approach to data migration and readiness to move to new business processes as part of Release 2. It establishes an operational framework to ensure data is clean, reliable, structured and available at go-live.

The objectives are:

- To establish a forward-looking data strategy in Release 2 that minimizes the volume of data migration required during Release 4, thereby reducing risk, effort, and rework in later phases of the program.
- To identify and define the data objects and migration requirements from ECC and other third-party systems to Ariba, Keelvar, and Icertis as part of Release 2

Background

This document outlines the data migration and cleansing approach for **Release 2**, which focuses on the implementation of the **Source to Contract (S2C)** process as part of the broader program roadmap. Release 2 is an intermediate deployment that introduces standardised procurement processes and integrates with existing ECC systems and third-party applications such as Convergence.

The primary objective of this release is to establish foundational S2C capabilities that can be reused and scaled during subsequent releases, particularly Release 4 (R4), which will involve a broader S/4HANA transformation. As such, the data migration strategy for Release 2 is designed with reusability and future scalability in mind.

Due to the continued reliance on legacy ECC systems in this phase, there are limitations in the extent of data cleansing that can be performed. Existing data in ECC will be migrated largely in its current state, with only targeted validations and enrichment applied where feasible. Cleansing activities will be focused on data sets required for the new S2C processes and integrations, ensuring functional readiness without major disruption to upstream or downstream systems.

Data Scope

The scope encompasses all master data, open transactional data and historical records required to ensure business continuity, legal compliance and readiness for Release 2. Data will be migrated from multiple SAP ECC source systems and legacy third-party applications into a Standardized SyWay environment.

Data Sources

Data will be extracted from a range of legacy systems that currently support Syensqo's global operations. These sources span SAP and non-SAP applications and include structured and semi-structured data repositories.

Primary Data Sources include:

- **SAP ECC systems** – multiple instances
- **Convergence**
- **Contract repositories (other than convergence) / Local drives**

Data Migration Process

For Release 2, the data migration process supports the enablement of Source to Contract (S2C) functionality within SAP Ariba, with downstream integration to Icertis, which acts as a slave system consuming master data from Ariba. Unlike traditional ERP implementations, most relevant data for S2C is treated as configuration within Ariba, requiring a data-driven approach to setup rather than transactional migration.

The data team's primary responsibility is to populate Data tables / Ariba upload templates, which define the system's configuration and reference data. These templates serve as the foundation for both Ariba and Icertis, as Icertis relies on Ariba to provide key master data objects such as suppliers, categories, and organizational structures.

The process follows these key steps:

Step	Activity	Owned By
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Template Finalisation	Standard Ariba/Icertis templates for key data objects (e.g., suppliers, commodity codes, sourcing templates, approval flows)	Functional Team
Data Collection	Source data is gathered from existing ECC systems, third-party applications (e.g., Convergence) etc.	Data Team / Contract Migration team
Template Population	Source data is provided to the function team for populating the templates	Functional Team / Data team / Contract Migration team
Validation and Review	Validation of the values with Business	Functional team
Upload Templates	Validated templates are uploaded into Ariba/Icertis using its import tools	Functional Team

Data Objects in Scope

Following are the data objects that are in scope for Release 2

Data Object	Category	How is it loaded in Ariba	How is it loaded in Icertis
Company Code	Enterprise Structure	Interface	Replication from Ariba
Purchasing Organization	Enterprise Structure	Interface	Replication from Ariba
Purchasing Groups	Enterprise Structure	Interface	Replication from Ariba
Plant	Enterprise Structure	Interface	Replication from Ariba
Suppliers	Master Data	Interface from ECC / Convergence	Replication from Ariba
Bidders	Master Data	Interface from ECC / Convergence	Replication from Ariba
Materials	Master Data	Not Required	
Material Groups / Commodity Codes	Master Data	Interface	Replication from Ariba
UOM	Master Data	Upload	Replication from Ariba
Payment Terms	Master Data	Interface	Replication from Ariba
Incoterms	Master Data	Interface	Replication from Ariba
Currency	Master Data	Upload	Replication from Ariba
Item Categories	Master Data	Interface	Replication from Ariba
Users (Including Jobs, Roles and org structure)	Master Data	Upload / Interface from SF	Manual upload for Release 2, Can be partly Interfaced from SF based on the SSO requirements
Legal Contracts	Transactional Data	N/A	Upload
Exchange Rates	Transactional Data	Interface	Replicate from Ariba

Data approach for R2 and R4

The data strategy for the Source to Contract (S2C) implementation spans across Release 2 and Release 4, with a clear distinction in how data is handled across both Ariba and Icertis.

Release 2 Data Approach

In Release 2, the focus is on enabling Ariba Guided Sourcing / Contracts using a targeted data set derived from existing ECC and third-party systems. This data is used to configure Ariba / Icertis via interfaces / upload templates and to support sourcing and contracting processes. Key characteristics of the Release 2 approach include:

Ariba	Icertis	Keelvar
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<ul style="list-style-type: none"> Master and reference data required for Ariba Guided Sourcing (e.g., suppliers, commodity codes, organizational units) are collected from ECC and third-party systems. Data is loaded via structured Ariba upload templates. No data cleansing except Payment Terms is performed. Data is validated where feasible but largely migrated in its existing form. 	<ul style="list-style-type: none"> Consumes master data from Ariba based on the Release 2 configuration using standard integration. Any Icertis specific data is manually configured to align with Ariba/ECC to ensure consistency in contract metadata. 	<ul style="list-style-type: none"> Keelvar is used for strategic sourcing and optimization and feeds off master /transactional data in Ariba based on each event. It doesn't store any master data No data configuration required
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Release 4 Data Approach

The Source to Contract (S2C) data strategy spans multiple releases, transitioning from a manually managed data load in Release 2 to a fully integrated and governed master data model in Release 4. The approach differs by system, depending on its role in the S2C landscape.

This section outlines the data approach for Ariba, Icertis, and Keelvar across both releases.

Ariba	Icertis	Keelvar
<ul style="list-style-type: none"> Ariba is integrated with S/4HANA and Master Data Management (MDM) systems. Master data is replicated directly from S/4, replacing the manually loaded Release 2 data. Data is centrally cleansed, validated, and governed before replication, ensuring higher data quality and standardization across the S2C process. Completed/Inflight sourcing documents are not retrofitted. New events will automatically use the integrated S/4-based master data. 	<ul style="list-style-type: none"> To stay in sync with the new S/4-driven master data, Icertis requires a retrofit of existing contract data. Leveraging Icertis's find-and-replace capability, master data fields (e.g., supplier names, commodity groups) will be updated to reflect the S/4 data model. 	<ul style="list-style-type: none"> Keelvar continues to act as a consumer of Ariba data and does not persist any master data. No retrofit or data migration activity is required in Release 4 for Keelvar.

Following is the table of all the data objects and the approach in Release 2 and Release 4.

Data Object	Change in R4	R2	R4	Pre-requisite
Company Code	Numbering Scope	Existing company codes are replicated to Ariba and Icertis	Ariba: The R2 company codes are inactivated, and the new company codes are made active Icertis: The R2 company codes are replaced with R4 company codes	Mapping between R2 and R4 codes
Purchasing Organization	Numbering	Existing Purchasing Org codes are replicated to Ariba and Icertis	Ariba: The R2 POrgs are inactivated, and the new codes are made active Icertis: The R2 POrgs are replaced with R4 codes	Mapping between R2 and R4 codes
Purchasing Groups	Numbering Scope	Existing Purchasing groups codes are replicated to Ariba and Icertis	Ariba: The R2 Pgroup are inactivated, and the new codes are made active Icertis: The R2 Pgroup are replaced with R4 codes	Mapping between R2 and R4 codes
Plant	Numbering Scope	Existing plants are replicated to Ariba and Icertis	Ariba: The R2 plants are inactivated, and the new codes are made active Icertis: The R2 plants are replaced with R4 codes	Mapping between R2 and R4 codes
Suppliers	Numbering Scope	Existing suppliers are replicated to Ariba and Icertis	Ariba: The R2 suppliers are inactivated, and the new codes are made active Icertis: The R2 suppliers are replaced with R4 codes	Mapping between R2 and R4 codes
Bidders	Numbering Scope	Existing bidders are replicated to Ariba and Icertis	Ariba: The R2 bidders are inactivated, and the new codes are made active Icertis: The R2 bidders are replaced with R4 codes	Mapping between R2 and R4 codes
Materials	Numbering Scope	Existing materials are replicated to Ariba and Icertis	Ariba: The R2 materials are inactivated, and the new codes are made active Icertis: The R2 materials are replaced with R4 codes	Mapping between R2 and R4 codes

Material Groups / Commodity Codes	Numbering Scope	Existing material groups / commodity codes are replicated to Ariba and Icertis	Ariba: The R2 material groups / commodity codes are inactivated, and the new codes are made active Icertis: The R2 material groups / commodity codes are replaced with R4 codes	Mapping between R2 and R4 codes
UOM	Scope	Existing UOM are replicated to Ariba and Icertis	Ariba: The delta UOM for R2 are inactivated, and the new codes are made active Icertis: The R2 UOM are replaced with R4 codes	Mapping between R2 and R4 codes
Payment Terms	Scope	Old Payment terms are loaded and marked as inactive New Payment terms loaded	No Action required	
Incoterms	Scope	Existing incoterms are replicated to Ariba and Icertis	Ariba: The delta incoterms are inactivated, and the new codes are made active Icertis: The R2 incoterm codes are replaced with R4 codes	
Currency	None	Existing currencies are replicated to Ariba and Icertis	No Action required	
Item Categories	None	Existing Item Categories are replicated	Based on lean services outcome, Lean Services needs to be added in the item categories	
Users (Including Jobs, Roles and org structure)	Numbering Scope	Existing users including their Jobs and Roles are replicated	Users with their new Jobs and Roles are replicated	
Legal Contracts MetaData	None	Meta Data determined in Release 2 is loaded	No Action Required	
Legal Contract Templates (Clauses)	None	Legal contracts and clauses are loaded	No Action Required	
Legal Contracts	None	Legal contracts and clauses are loaded	No Action Required	
Exchange Rates	None	Exchange Rates from ECC are loaded daily	No Action Required	

Legal Contract Migration Approach

Following is the approach followed for the legal contract migration:

1. Contract attributes are defined by the functional team
2. Contracts and existing attributes are extracted from Convergence and other data sources by contract migration team
3. Contracts are loaded on to Harvey to extract the contract metadata and relationships
4. The contract metadata and relationships are validated - This step is performed only on selected critical contracts which are agreed with Business upfront
5. The validated contracts are loaded into Icertis along with the metadata and attachment
6. Any relevant Z-tables are updated with Icertis contract ID - They contain convergence ID previously



*The contracts to be verified will be defined and agreed with Buyers

Change log

Version	Published	Changed By	Comment
CURRENT (v. 42)	May 01, 2026 14:19	TILBEE-ext, Amanda	
v. 41	May 01, 2026 14:01	TILBEE-ext, Amanda	

v. 40	Sept 16, 2025 17:59	HUYNH-ext, Danh
v. 39	Sept 05, 2025 17:50	HUYNH-ext, Danh
v. 38	Sept 05, 2025 15:56	HUYNH-ext, Danh
v. 37	Sept 05, 2025 15:28	HUYNH-ext, Danh
v. 36	Sept 05, 2025 15:21	HUYNH-ext, Danh
v. 35	Sept 04, 2025 16:14	HUYNH-ext, Danh
v. 34	Sept 04, 2025 14:36	HUYNH-ext, Danh
v. 33	Sept 04, 2025 14:17	HUYNH-ext, Danh

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