



ERP-1631 System Interface - PartCustomer.tab interface to Maestro

zStatus	Approved
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Jira Request ID	 ERP-1164 - Jira project doesn't exist or you don't have permission to view it.
Jira Development ID	 ERP-1631 - Jira project doesn't exist or you don't have permission to view it.

High- Level Specification

Implementing System	Kinaxis Maestro
Invoked by/Invokes	 ERP-1624 - Jira project doesn't exist or you don't have permission to view it.
Business Process Reference	04.04.06.01. Data provisioning ERP to Maestro

Functional Overview

The PartCustomer table identifies each unique part and customer combination used for forecasting. It supports applications such as Sales and Operation Planning, Demand Planning, Statistical Forecasting and Demand Sensing.

A PartCustomer is a consumer of an independent demand item and may be a consumer, a distributor, service center, or a plant identifier for inter-plant orders.

Scope and Objectives

The scope of this interface is between Global Integration Suite and Maestro. This document includes details of the PartCustomer.tab object.

The objective is to populate the PartCustomer and it's referenced tables based on the file provided by Global Integration Suite.

Process Flow Diagram



Source page access restriction: Click the link below to check if the page is accessible.

[/display/ER/System+Interface+-+Reference+Specification+for+Maestro](#)

Step	Description
1	Global Integration Suite transfers transformed Composites / Rest of World data from S/4, and performs some formatting, and sends the data to Maestro.
3	Transferred files will be sent to Maestro's Client SFTP server. This sits outside of the Maestro firewall and is accessible by client using a user id/ password. Files are transferred from this component to the Planning Server SFTP by a Kinaxis automatic process once the trigger file has been placed (see below)
4	Files are moved to this SFTP server automatically, where they await loading into Maestro.
5	Maestro uses the configured DSM (Data Sources and Mapping) setup to load the data into the PartCustomer table, with the load initiated either manually or through a scheduled system task.
6	The Data Tables which store information in Maestro

Assumptions

- Data will only come from Global Integration Suite into the Global Data Source, set up in Maestro.

Dependencies

See [OnHand.tab System Interface](#) document for dependencies.

Security, Integrity and Controls

See [Application Architecture Kinaxis Maestro](#) for security requirements for SFTP/REST based authentication and security.

Configuration Requirements

The Data Sources and Mapping for this interface should be configured once, according to the structure in the Data Structure section below.

The Data Model needs to be configured with the Syway-specific fields shown in the Data Model Custom Fields section below.

Special Requirements

None

Design Rationale

The base of this design has been taken from the existing Maestro implementation, as designed during the Advanced Planning System (APS) Project.

A fit-gap analysis was undertaken within Syway, and changes were identified which have been incorporated into the Syway spec as shown.

API Use

The data object provided by either Integration Suite will be **consumed** by Maestro.

For more information see the [Data Integration Document](#).

Data Structure

The following Maestro fields will be populated by the file provided by Integration Suite:

Column Number	Field Name	Technical Field Name	Data Type	Key	Field Type	Autocreate	Description
0	ControlSet	DemandType. ControlSet.Value	String	N	Fixed	No	The control set associated with this demand type record
0	DemandType	DemandType.Value	String	N	Fixed	No	The demand type values from source system
0	Active	Active	Boolean	N	Fixed	No	Flag for Partcustomer based on history and forecast criteria. Default value Y will be shown in DP workbooks
1	Customer	Customer.Id	String	Y	Extract	No	The customer associated with the historical demand series and/or forecast.

2	PartSite	Part.Site.Value	String	Y	Extract	No	The site associated with this part.
3	Part	Part.Name	String	Y	Extract	No	The part associated with the historical demand series and/or forecast.
4	EndUse	EndUse.Id	String	N	Extract	No	EndUse
5	ProcessingRule	ProcessingRule.Id	String	N	Extract	Yes	Processing rule associated with the part-customer
6	GBUSegment	GBUSegment.Id	String	N	Extract	Yes	GBUSegment
7	OriginalShipToKA	OriginalShipToKA.Id	String	N	Extract	No	Original Ship To KA from interface
7	ShipToKA	ShipToKA.Id	String	N	Extract	No	ShipToKA
8	IncoTerm	IncoTerm.Id	String	N	Extract	Yes	Incoterm of the part-customer
9	IncoTermDelivery	IncoTermDelivery.Id	String	N	Extract	No	Information for demand planners in determining the supply offset ETA-ETD, or for finance teams in calculating the revenue recognition date.
10	IsConsignment	IsConsignment.Id	Boolean	N	Extract	No	Flag to identify Consignment Part-Customers
11	FinalConsignee Id	FinalConsignee.FinalConsigneeid	String	N	Extract	Yes	FinalConsigneeid
12	FinalConsignee Name	FinalConsignee.FinalConsigneeName	String	N	Extract	No	FinalConsigneeName

File Formats

See *File Formats - SFTP* section in the [Data Integration Document](#).

Data Model PartCustomer table settings:

Allow Data update to:		Currency		
Insert, Modify and Delete records	Insert and Modify records only	Allow automatic record creation	Determined by Maestro	Expression
-	Y	N	Y	-

Data Model PartCustomer custom fields:

Field name	Description	Data type	Key
Account18DID	Attribute used for hierarchies	String	N
Active	Flag for Partcustomer based on history and forecast criteria. Y will be shown in DP workbooks and N will not be shown in DP workbook	Boolean	N
BlockOffset	Used in the ETA ETD translation	Quantity	N
CreationDate	Internally used to record the date the record is created in Maestro	Date	N
DeleteNotes	Internally used as a flag for the user to mark to delete the notes	Boolean	N
IncoTermDelivery	Information for demand planners in determining the supply offset ETA-ETD, or for finance teams in calculating the revenue recognition date.	String	N
IsConsignment	Flag set to Y for Consignment Part-Customers	Boolean	N
MarketGrowthProgram	Attribute used for hierarchies	String	N
Notes	User notes in Maestro	Note	N
OverrideFinancialOffset	Populated by users in Maestro to override the financial offset	Quantity	N
OverridenDate	Stores the latest date where sales forecast and demand planner forecast category has been overridden in the previous demand planning cycle.	Date	N
OverrideTransitTime	Populated by users in Maestro to override the transit time	Quantity	N

PredecessorSelection	Used internally to create predecessor relationship- NPI / EoL	Boolean	N
SavedActive	Internal use to identify transitional active flags and to identify where the user has changed the flag to run an automation. Where you activate a PartCustomer to be used for Forecasting (Demand Plan). Field used to compare previous and current active flags.	Boolean	N
SavedDisaggregationEndDate	Internal use to identify when a user changes the date and an automation will runRelating to activating the PartCustomer. DisaggregationEndDate = End of life. This field is the old date to compare, to detect when changes have been made.	Date	N
SuccessorSelection	Used internally to create successor relationship	Boolean	N
Userld	internally used to record the user that created that record	String	N
WetRatio	Ratio to convert the units to wet ratio. Convert forecast from dry/wet ratio for MTP	Quantity	N
BusinessLine	Attribute used for hierarchies. Used for composites, set by user, maintained in Maestro	Reference	N
EndUse	EndUse	Reference	N
FinalConsignee	FinalConsignee	Reference	N
FinalCustomerParent	Attribute used for hierarchies	Reference	N
GBUSegment	GBUSegment	Reference	N
IncoTerm	Incoterm of the part-customer	Reference	N
MainShipToCountry	Attribute used for hierarchies	Reference	N
MfgPlant	Attribute used for hierarchies	Reference	N
OriginalShipToKA	Original Ship To KA from interface	Reference	N
OverrideAccountManager	Internal use to override the account manager Changes made in Maestro for "now", then later synced	Reference	N
OverrideForecastCustomer	Internal use to override the forecast customer. From ERP it comes into customerShipTo - this is an override.	Reference	N
ProcessingRule	Processing rule associated with the part-customer	Reference	N
Segmentation	Attribute used for hierarchies. Planners assign PartCustomers to segment	Reference	N

Processing Logic

See *Processing Logic - SFTP* section in the [Data Integration Document](#).

Delta or Full Load Requirements

The preference is to do a partial load.

For more information on the difference between Full and Delta loads, see the *Full Loads and Delta Loads - SFTP* section in the [Data Integration Document](#).

Interface Alert & Monitoring

See the *Interface Alert & Monitoring - SFTP* section in the [Data Integration Document](#),

Language Requirements

None

User Interface Requirements

Not required.

Sequencing

Reference tables to support PartCustomer table data have to be either loaded manually before loading the PartCustomer table or at the same time as the PartCustomer table is loaded or set to be created automatically in data model or in DSM.

Below tables need to be taken into account before PartCustomer table data load:

Table	SyWay configuration
Customer	Auto create not allowed
Part	Auto create not allowed
DemandType	Control table; Auto create not allowed
Site	Auto create not allowed
ProcessingRule	Set to allow automatic record creation
EndUse	Auto create not allowed
GBUSegment	Set to allow automatic record creation
OriginalShipToKA	Auto create not allowed
ShipToKA	Auto create not allowed
IncoTerm	Set to allow automatic record creation
FinalConsignee	Set to allow automatic record creation

Volumetrics

Current APS Volume of PartCustomer records is 45,079. Because APS makes up approximately 60% of Syway projected records, an expected estimate for Syway is therefore 72,126.

This value is expected to grow by 1-2% per year.

Performance Consideration

N/A

Error Handling

See [Interface Alert & Monitoring](#) section.

Testing

How to Test

See [OnHand.tab System Interface](#) document for information on how to test.

There are no PartCustomer-specific testing requirements.

Test Conditions and Expected Results

1	Data Load Successful	The Data in the data file matches the data in the Maestro table, and there are no errors.								
2	Data File contains 0 records	The Data Update should fail with a status of Pending.								
3	Data File contains invalid references (or other error)	<p>The Data Update should Fail, the invalid references should be visible in the error log and the records with the error are not loaded into Maestro, and an alert is sent to the Admin team <Or whatever action is needed></p> <p>Fields for OnHand.tab which should be checked for invalid references are shown in the Data Structure table above as "Ref String" and are:</p> <table border="1"><tr><td>Customer.Id</td></tr><tr><td>Part.Name</td></tr><tr><td>Part.Site.Value</td></tr><tr><td>DemandType.Value</td></tr><tr><td>DemandType.ControlSet.Value</td></tr><tr><td>EndUse.Id</td></tr><tr><td>OriginalShipToKA.Id</td></tr><tr><td>ShipToKA.Id</td></tr></table>	Customer.Id	Part.Name	Part.Site.Value	DemandType.Value	DemandType.ControlSet.Value	EndUse.Id	OriginalShipToKA.Id	ShipToKA.Id
Customer.Id										
Part.Name										
Part.Site.Value										
DemandType.Value										
DemandType.ControlSet.Value										
EndUse.Id										
OriginalShipToKA.Id										
ShipToKA.Id										
4	Data file contains duplicates	The PartCustomer.tab file must be checked further for data uniqueness with respect to the key fields, in case data is available in file but not in Maestro								

Test Considerations/Dependencies

Dependent files should already be loaded into Maestro for these tests to complete. See [Sequencing](#) section above.

Other Information

Development Details

Package

Package Name	Parent Package

Other Development Objects

Object Type	Object Name	Purpose/High Level Logic	Design Rationale Reference

Appendix

See also

File Modified

No files shared here yet.

Change log

Version	Published	Changed By	Comment
CURRENT (v. 8)	Apr 02, 2026 14:37	KAVLEKAR-ext, Nihaal	Updated the Delta or Full load Requirement section
v. 7	Mar 31, 2026 12:44	KAVLEKAR-ext, Nihaal	Updated the Delta or Full load Requirement section
v. 6	Mar 19, 2026 14:27	KAVLEKAR-ext, Nihaal	
v. 5	Mar 12, 2026 11:09	KAVLEKAR-ext, Nihaal	
v. 4	Feb 27, 2026 07:44	KAVLEKAR-ext, Nihaal	Calculated fields under data model custom fields have been removed from the list
v. 3	Feb 06, 2026 09:01	KAVLEKAR-ext, Nihaal	
v. 2	Feb 06, 2026 08:54	KAVLEKAR-ext, Nihaal	
v. 1	Feb 06, 2026 08:18	KAVLEKAR-ext, Nihaal	

Workflow history

This view shows the 5 most recent entries. The complete workflow log is available from the 'Document Activity' menu item.

Apr 10, 2026	Actor	Type	Activity	Version
Approved	 NARAHARI-ext, Bhargavi	State	changed state to Approved at 5:45 pm	v8
Lead Approval	 NARAHARI-ext, Bhargavi	State	gave <i>POD Lead Review</i> approval at 5:45 pm	
Apr 07, 2026				
	 JAIN-ext, Dhiraj	State	changed expiry date to '14 Apr, 2026 09:49 am' at 9:49 am	
		State	changed state to Lead Approval at 9:49 am	v8
Tech Review	 JAIN-ext, Dhiraj	State	gave <i>Tech Review</i> approval at 9:49 am	
From Mar 19, 2026 to Apr 02, 2026				
	 KAVLEKAR-ext, Nihaal	Edit	updated the page at 2:27 pm	