

# CORE - SF-SAP Interface

## CORE - SAP Interface Process Flow

Diagram: [https://app.diagrams.net/#G1y-kvF\\_vTRCxg1pJKVO6L07nzspPC7FpM](https://app.diagrams.net/#G1y-kvF_vTRCxg1pJKVO6L07nzspPC7FpM)

## Questions to address in SAP interface

1. Data mapping -Fields needed to send to SAP (preferably automatically - not requiring User input) - see table below.
2. What is the mandatory information to send a quote to SAP?
  - a. if the information is missing, who will provide it?
  - b. should we put the fields as mandatory?
3. What other data points are CSR's checking before pushing data to SAP? what data is needed to display at Task object to be able to send the needed data in SAP
4. Allocation of tasks for SAP data upload - Queue or specific individual
5. What responses can we expect from SAP (error messages/etc)? (Nicolas Balbiani & [HISLER, Olivier](#))
  - a. how to handle the error messages - via a log record under the Opportunity?
6. Loopback between CSR and Account Managers in case there are errors/discrepancies in data at OLI level - **Chatter?**
  - a. error happening after sending the data to SAP - CSR to delete manually the entry in SAP - then correct in SF and re-send the data.
    - i. how do CSR's identify an entry wrongfully sent to SAP in SAP (to be able to delete it?)

## Data mapping - Fields needed to send to SAP

Field Name	Salesforce field	Field Type	Salesforce Object
Price Valid From	SLV44_Quote_valid_from_internal_only__c	date	SLV44_ONE_Quote__c
Price Valid To	SLV44_Quote_valid_to_External__c	date	SLV44_ONE_Quote__c
Sales Organization	PP_SAP_Sales_Org__c	restricted picklist	SLV44_ONE_Quote__c
Division	SLV44_SAP_Division__c	text	SLV44_ONE_Quote_Line_Item__c
Distribution Channel	PP_SAP_Distr_Channel__c	restricted picklist	SLV44_ONE_Quote_Line_Item__c
Bracket From	PP_Bracket_From__c	double (18, 2)	SLV44_ONE_Quote_Line_Item__c
Bracket To	PP_Bracket_To__c	double (18, 2)	SLV44_ONE_Quote_Line_Item__c
Incoterms	SLV44_Incoterms__c	restricted picklist	SLV44_ONE_Quote_Line_Item__c
Manufacturing Plant	SLV44_Manufacturing_Plant__c	Id	SLV44_ONE_Quote_Line_Item__c
Shipping Plant	SLV47_Shipping_Plants__c	id	SLV44_ONE_Quote_Line_Item__c
Manufacturing Plant Name	PP_Manufacturing_Plant_Name__c	text	SLV44_ONE_Quote_Line_Item__c
Shipping Plant Name	PP_Shipping_Plant_Name__c	text	SLV44_ONE_Quote_Line_Item__c
Quote Line Item ID	Id	Id	SLV44_ONE_Quote_Line_Item__c
Bracket (From-To)	SLV44_Bracket_From_To__c	text	SLV44_ONE_Quote_Line_Item__c
Annual Volume	SLV44_Estimated_Annual_Volume__c	double (18, 2)	SLV44_ONE_Quote_Line_Item__c
Quote Id	SLV44_ONE_Quote__c	Id	SLV44_ONE_Quote__c
Product Level 4 (Product)	SLV44_Product_Level_4__c	Product2	SLV44_ONE_Quote_Line_Item__c
Product Level 5 (Material)	SLV44_Product_Level_5__c	Product2	SLV44_ONE_Quote_Line_Item__c
Quoted Price	SLV44_Quoted_Price__c	currency (18, 2)	SLV44_ONE_Quote_Line_Item__c
Currency Iso COde	SLV44_SAP_Cond_currency__c	text	SLV44_ONE_Quote_Line_Item__c
Condition Type	SLV44_SAP_Condition_Type__c	text	SLV44_ONE_Quote_Line_Item__c
Customer Number	SLV44_SAP_Customer__c	text	SLV44_ONE_Quote_Line_Item__c
Customer Name	SLV44_SAP_Name__c	text	SLV44_ONE_Quote_Line_Item__c
Material Name	SLV44_SAP_Material__c	text	SLV44_ONE_Quote_Line_Item__c

Unit of measure	SLV44_SAP_Unit_of_measure__c	text	SLV44_ONE_Quote_Line_Item__c
Valid From	SLV44_SAP_Valid_From__c	text	SLV44_ONE_Quote_Line_Item__c
Valid To	SLV44_SAP_Valid__c	text	SLV44_ONE_Quote_Line_Item__c
Ship-to	SLV44_Ship_to__c	Id	SLV44_ONE_Quote_Line_Item__c
Unit of Measurement	SLV44_Unit_of_Measurement__c	restricted picklist	SLV44_ONE_Quote_Line_Item__c
Lead Time	SLV49_Lead_Time__c	double (16, 0)	SLV44_ONE_Quote_Line_Item__c

## Fields to save the response from SAP - to be created in Salesforce CORE

Field Name	Salesforce field	Field Type	Description
SAP Response	oli_SAP_Respon	text	Updated by CORE System, based on the integration status SAP Integration In Progress, SAP Integration Completed, SAP Integration Failed, Manually Created in SAP, Closed - No action needed
SAP Response (Detail)	SAP_Response_Detail__c	text	Save the answer coming from SAP