ERP-1119 System Interface - Order Response Interface from S/4HANA to Elemica

Status	Approved
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Jira Request ID	ERP-208 - Jira project doesn't exist or you don't have permission to view it.
Jira Development ID	ERP-1119 - Jira project doesn't exist or you don't have permission to view it.

High- Level Specification

Implementing System	SAP S/4HANA
Invoked by/Invokes	ERP-1120 Integration Process - Order Response Interface from S/4HANA to Elemica
Business Process Reference	02.04.02.01. Manage Standard Sales Order

Functional Overview

Some of the EDI customers requires an acknowledgement/response when their Sales Order is successfully created in Syensqo's S/4HANA system.

For this, the OrderResponse message is triggered from the Sales Order in Syensqo's S/4HANA system which calls the custom API to send the XML via SAP CPI to Elemica (the EDI service provider system).

The purpose of this functional specification is to create the custom API for the trigger and generation of the OrderResponse message from a sales order in S/4HANA

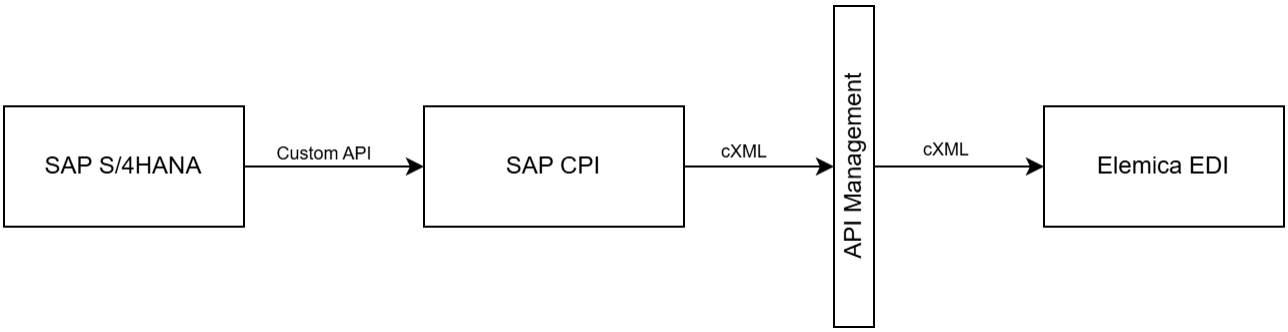
Scope and Objectives

This System Interface, a custom implementation in SAP S/4HANA,

- sends the OrderResponse data to SAP CPI
- maps sales order in SAP S/4HANA into a structure to create the OrderResponse XML
- transform some data in the Sales Order structure to OrderResponse message send to SAP CPI
- performs lookup of specified data (as applicable) in S/4HANA

The standard SAP Sales Order API is unable to support the above functions, hence the need for a custom API.

Process Flow Diagram



Step	Description	Comment
1	Sales Order event triggers the custom Sales Order Response API to send Sales Order to SAP CPI based on defined structure. Events that could trigger this are Creation of Sales Order and Specific changes to a Sales Order	
2	SAP CPI receives the custom Sales Order ResponseAPI and translates the message to a cXML format	This is covered in Integration Process functional specification ERP-1120 Integration Process - Order Response Interface from S /4HANA to Elemica
3	Via API management, SAP CPI pushes the xXML format of the sales order to Elemica	

Assumptions

1. The custom Sales Order Response API will be called from SAP CPI and be able to lookup data from SAP S/4HANA to feed the target structure needed by SAP CPI
2. The S/4HANA Sales Order source fields and SAP CPI/Elemica target field mappings, including custom fields, will be updated based on mapping requirements in SAP CPI/Elemica.
3. The Custom API should be able to map all source data to their corresponding target fields successfully

Dependencies

1. The EDI sales order must have been created successfully
2. All configurations and sales order fields in S/4HANA from where the custom API should look up values should already be available before the interface is deployed.
3. Connection between SAP CPI and S/4HANA already set up
4. Required master data in S/4HANA already loaded
5. This interface has a dependency on ERP-2097 System Interface - Elemica Sales Order Create Interface due to re-use of DUNS Reference Table (ZL2C_DUNS).

Security, Integrity and Controls

- Required authorisations to execute the custom API need to be defined.
- Existing secure connectivity for communication between SAP S/4HANA and SAP CPI will be applied
- Table ZL2C_EDI_CUST_OUT (see Processing Logic section) should only be maintainable by technical/support user. No end user maintenance should be allowed

Configuration Requirements

1. Text IDs VBBK-Z002, VBBK-Z004, VBBK-Z999, VBBP-Z999
2. Sales Order Types

Special Requirements

N/A

Design Rationale

API Use

Custom API based on CO_SDSLS_ESR_SALES_ORDER_NOTIF

Data Structure

The following fields will be used to provide the required data structure of the interface:

Parent	Cardinality	Field	Description	Mandatory (Y/N)	Data Type
A_SalesOrderHeader	1				
		DocumentIdentifier		N	String
		DocumentIdentifierDateTime		N	Date Time
		RequestingDocumentIdentifier		N	String
		RequestingDocumentDateTime		N	Date Time
		SenderPartnerName		Y	String
		SenderDUNS		Y	String
		SenderContactName		N	String
		SenderContactDescription		N	String
		SenderTelephoneNumberTelecomCountryCode		N	String
		SenderTelephoneNumberTelecomAreaCode		N	String
		SenderTelephoneNumberPhoneNumber		N	String
		SenderFaxNumberTelecomCountryCode		N	String
		SenderFaxNumberTelecomAreaCode		N	String
		SenderFaxNumberPhoneNumber		N	String
		SenderEmailAddress		N	String
		SenderAlternativeCommunicationMethod		N	String
		SenderAddressLine		N	String
		SenderCityName		N	String
		SenderStateProvince		N	String
		SenderPostalCode		N	String
		SenderPostalCountry		N	String
		SenderLocationCode		N	String
		SenderTaxIdentifierNumber		N	String
		SenderJurisdiction		N	String
		SenderTaxCertificateType		N	String
		SenderTaxCertificateNumber		N	string
		SenderTaxBasis		N	string
		SenderTaxRate		N	string
		SenderSenderURL		N	string
		ReceiverPartnerName		Y	string
		ReceiverDUNS		Y	String
		ReceiverContactName		N	String
		ReceiverContactDescription		N	String

		ReceiverTelephoneNumberTelecomCountryCode		N	String
		ReceiverTelephoneNumberTelecomAreaCode		N	String
		ReceiverTelephoneNumberPhoneNumber		N	String
		ReceiverFaxNumberTelecomCountryCode		N	String
		ReceiverFaxNumberTelecomAreaCode		N	String
		ReceiverFaxNumberPhoneNumber		N	String
		ReceiverEmailAddress		N	String
		ReceiverAlternativeCommunicationMethod		N	String
		ReceiverAddressLine		N	String
		ReceiverCityName		N	String
		ReceiverStateProvince		N	String
		ReceiverPostalCode		N	String
		ReceiverPostalCountry		N	String
		ReceiverLocationCode		N	String
		ReceiverTaxIdentifierNumber		N	String
		ReceiverJurisdiction		N	String
		ReceiverTaxCertificateType		N	String
		ReceiverTaxCertificateNumber		N	String
		ReceiverTaxBasis		N	String
		ReceiverTaxRate		N	String
		ReceiverSenderURL		N	String
		PurchaseOrderTypeCode		Y	String
		CustomerPurchaseOrder	Customer reference number that the customer uses to uniquely identify a purchasing document (for example, a sales inquiry or a purchase order)	Y	String
		CustomerPurchaseOrderDate		Y	Date Time
		PurchaseOrderReferenceItem		N	String
		TransactionCurrency	The currency that applies to the sales order	N	String
		ContractNumber	Customer reference number that the customer uses to uniquely identify a purchasing document (for example, a sales inquiry or a purchase order)	N	String
		LanguageCode		N	String
		RevisionNumber		N	String
		ReleaseNumber		N	String
		SalesOrderReference		Y	String
		SalesOrderReferenceItem		N	String
		IncotermsClassification	Commonly used trading terms that comply with the standards established by the International Chamber of Commerce (ICC)	N	String
		IncotermsLocation1	Provides additional information for the primary Incoterm	N	String
		CustomerPaymentTerms		N	String
		PaymentTermsBasisDateCode		N	Date Time
		PaymentTermsBasisDate		N	String
		DiscountPercentage		N	String
		DiscountAmount		N	String
		DiscountDaysDue		N	String

		DiscountsDueDate		N	Date Time
		DeferredAmount		N	String
		DeferedDueDate		N	Date Time
		PercentDeferredPayable		N	String
		Penalty		N	String
		ShipWithPurchaseOrder		N	String
		CountryOfFinalDestination		N	String
		MarketPlaceIdentifier		N	String
		MarketPlaceDocumentIdentifier		N	String
		MarketPlaceReferenceItem		N	String
		MarketPlaceSellerIdentifier		N	String
		InvoiceCommunicationMode		N	String
		BillingScheduleCode		N	String
		PurchaseOrderResponseReasonCode		N	String
		BuyerPartnerName	The customer who orders the goods or services. The sold-to party is contractually responsible for sales orders.	Y	String
		BuyerPartnerCode		Y	String
		BuyerContactName		N	String
		BuyerContactDescription		N	String
		SellerPartnerName		N	String
		SellerPartnerCode		Y	String
		SellerContactName		N	String
		SellerContactDescription		N	String
		ShiptoPartnerName		N	String
		ShipToPartnerCode		Y	String
		PayerPartnerName		N	String
		PayerPartnerCode		N	String
		BilltoPartnerName		N	String
		BillToPartnerCode		N	String
		ShipperPartnerName		N	String
		ShipperPartnerCode		N	String
		ShipFromPartnerName		N	String
		ShipFromPartnerCode		N	String
		CarrierPartnerName		N	String
		CarrierPartnerCode		N	String
		BuyerTelephoneNumberTelecomCountryCode		N	String
		BuyerTelephoneNumberTelecomAreaCode		N	String
		BuyerTelephoneNumberPhoneNumber		N	String
		BuyerFaxNumberTelecomCountryCode		N	String
		BuyerFaxNumberTelecomAreaCode		N	String
		BuyerFaxNumberPhoneNumber		N	String
		BuyerEmailAddress		N	String

		BuyerAlternativeCommunicationMethod		N	String
		BuyerAddressLine		N	String
		BuyerCityName		N	String
		BuyerStateProvince		N	String
		BuyerPostalCode		N	String
		BuyerPostalCountry		N	String
		BuyerLocationCode		N	String
		BuyerExternalReference		N	String
		BuyerTaxIdentifierNumber		N	String
		BuyerJurisdiction		N	String
		BuyerTaxCertificateType		N	String
		BuyerTaxCertificateNumber		N	String
		BuyerTaxBasis		N	String
		BuyerTaxRate		N	String
		BuyerSenderURL		N	String
		ShipToTelephoneNumberTelecomCountryCode		N	String
		ShipToTelephoneNumberTelecomAreaCode		N	String
		ShipToTelephoneNumberPhoneNumber		N	String
		ShipToFaxNumberTelecomCountryCode		N	String
		ShipToFaxNumberTelecomAreaCode		N	String
		ShipToFaxNumberPhoneNumber		N	String
		ShipToEmailAddress		N	String
		ShipToAlternativeCommunicationMethod		N	String
		ShipToAddressLine		N	String
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		ShipToTaxCertificateNumber		N	String
		ShipToTaxBasis		N	String
		ShipToTaxRate		N	String
		ShipToSenderURL		N	String
		PayerTelephoneNumberTelecomCountryCode		N	String
		PayerTelephoneNumberTelecomAreaCode		N	String
		PayerTelephoneNumberPhoneNumber		N	String
		PayerFaxNumberTelecomCountryCode		N	String

		PayerFaxNumberTelecomAreaCode		N	String
		PayerFaxNumberPhoneNumber		N	String
		PayerEmailAddress		N	String
		PayerAlternativeCommunicationMethod		N	String
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		PayerStateProvince		N	String
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		PayerPostalCountry		N	String
		PayerLocationCode		N	String
		PayerExternalReference		N	String
		PayerTaxIdentifierNumber		N	String
		PayerJurisdiction		N	String
		PayerToTaxCertificateType		N	String
		PayerTaxCertificateNumber		N	String
		PayerTaxBasis		N	String
		PayerTaxRate		N	String
		PayerSenderURL		N	String
		AccountHolderName		N	String
		AccountNumber		N	String
		FinancialInstitution		N	String
		FinancialInstitutionDFINumber		N	String
		CreditCardNumber		N	String
		CreditCardType		N	String
		CreditCardExpirationDate		N	Date Time
		BillToTelephoneNumberTelecomCountryCode		N	String
		BillToTelephoneNumberTelecomAreaCode		N	String
		BillToTelephoneNumberPhoneNumber		N	String
		BillToFaxNumberTelecomCountryCode		N	String
		BillToFaxNumberTelecomAreaCode		N	String
		BillToFaxNumberPhoneNumber		N	String
		BillToEmailAddress		N	String
		BillToAlternativeCommunicationMethod		N	String
		BillToAddressLine		N	String
		BillToCityName		N	String
		BillToStateProvince		N	String
		BillToPostalCode		N	String
		BillToPostalCountry		N	String
		BillToLocationCode		N	String
		BillToExternalReference		N	String
		BillToTaxIdentifierNumber		N	String

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		BillToTaxCertificateType		N	String
		BillToTaxCertificateNumber		N	String
		BillToTaxBasis		N	String
		BillToTaxRate		N	String
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		ShipFromSenderURL		N	String
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		CarrierEmailAddress		N	String
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		CarrierAddressLine		N	String
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		CarrierStateProvince		N	String

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		CarrierTaxBasis		N	String
		CarrierTaxRate		N	String
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		ShipperExternalReference		N	String
		ShipperTaxIdentifierNumber		N	String
		ShipperJurisdiction		N	String
		ShipperTaxCertificateType		N	String
		ShipperTaxCertificateNumber		N	String
		ShipperTaxBasis		N	String
		ShipperTaxRate		N	String
		ShipperSenderURL		N	String
A_SalesOrderText	1 to many				
		CustomerRequiredInstructions		N	String
		ShipperInstructions		N	String
		ConsigneeInstructions		N	String
		CarrierInstructions		N	String
		ImportInstruction		N	String
		CustomerServiceInstructions		N	String
		RoutingInstruction		N	String
A_SalesOrderItem	1				

		LineItemNumber		N	String
		PurchaseOrderLineItemNumber		N	String
		LineItemHandlingInstruction		N	String
		MaterialByCustomer		Y	String
		MaterialByCustomerDescription		N	String
		ProductDescription		N	String
		ProductGradeDescription		N	String
		Material		M	String
		MaterialDescription		N	String
		ProductDescription		N	String
		ProductGradeDescription		N	String
		SalesOrderReference		N	String
		SalesOrderItemReferenceItem		N	String
		SalesOrderItemNumber		N	String
		RequestedQuantity	The number or volume of materials specified for an item	N	String
		RequestedQuantityISOUnit		N	String
		PackagingQuantity		N	String
		PackagingQuantityISOUnit		N	String
		EngineeringChangeOrderIdentifier		N	String
		BatchNumber		N	String
		CountryOfOriginCode		N	String
		IncotermsClassification		N	String
		IncotermsLocation1		N	String
		TransportMethodCode		N	String
		LineItemPurposeCode		N	String
		BalanceItemFlag		N	String
		DeliveryTolerancesLowerLimit		N	String
		DeliveryTolerancesUpperLimit		N	String
		DeliveryTolerancesUnitofMeasure		N	String
		ChangeAcknowledgementFlag		N	String
		LineItemStatus		N	String
		LineStatusCode		N	String
		LineItemPurposeCode		N	String
		ItemShiptoPartnerName		N	String
		ItemShipToPartnerCode		Y	String
		ItemBilltoPartnerName		N	String
		ItemBillToPartnerCode		N	String
		ItemShipperPartnerName		N	String
		ItemShipperPartnerCode		N	String
		ItemShipFromPartnerName		N	String
		ItemShipFromPartnerCode		N	String
		ItemCarrierPartnerName		N	String
		ItemCarrierPartnerCode		N	String
		ItemShipToTelephoneNumberTelecomCountryCode		N	String

		ItemShipToTelephoneNumberTelecomAreaCode		N	String
		ItemShipToTelephoneNumberPhoneNumber		N	String
		ItemShipToFaxNumberTelecomCountryCode		N	String
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		ItemBillToEmailAddress		N	String
		ItemBillToAlternativeCommunicationMethod		N	String
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		ItemBillToStateProvince		N	String
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		ItemBillToPostalCountry		N	String
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		ItemBillToTaxIdentifierNumber		N	String
		ItemBillToJurisdiction		N	String
		ItemBillToTaxCertificateType		N	String

		ItemBillToTaxCertificateNumber		N	String
		ItemBillToTaxBasis		N	String
		ItemBillToTaxRate		N	String
		ItemBillToSenderURL		N	String
		ItemShipFromTelephoneNumberTelecomCountryCode		N	String
		ItemShipFromTelephoneNumberTelecomAreaCode		N	String
		ItemShipFromTelephoneNumberPhoneNumber		N	String
		ItemShipFromFaxNumberTelecomCountryCode		N	String
		ItemShipFromFaxNumberTelecomAreaCode		N	String
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		ItemShipFromJurisdiction		N	String
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		ItemShipFromTaxCertificateNumber		N	String
		ItemShipFromTaxBasis		N	String
		ItemShipFromTaxRate		N	String
		ItemShipFromSenderURL		N	String
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		ItemCarrierTelephoneNumberTelecomAreaCode		N	String
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		ItemCarrierFaxNumberTelecomAreaCode		N	String
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		ItemCarrierEmailAddress		N	String
		ItemCarrierAlternativeCommunicationMethod		N	String
		ItemCarrierAddressLine		N	String
		ItemCarrierCityName		N	String
		ItemCarrierStateProvince		N	String

		ItemCarrierPostalCode		N	String
		ItemCarrierPostalCountry		N	String
		ItemCarrierLocationCode		N	String
		ItemCarrierExternalReference		N	String
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		ItemCarrierJurisdiction		N	String
		ItemCarrierTaxCertificateType		N	String
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		ItemCarrierTaxBasis		N	String
		ItemCarrierTaxRate		N	String
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		ItemShipperTelephoneNumberTelecomAreaCode		N	String
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		ItemShipperFaxNumberTelecomAreaCode		N	String
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		ItemShipperEmailAddress		N	String
		ItemShipperAlternativeCommunicationMethod		N	String
		ItemShipperAddressLine		N	String
		ItemShipperCityName		N	String
		ItemShipperStateProvince		N	String
		ItemShipperPostalCode		N	String
		ItemShipperPostalCountry		N	String
		ItemShipperLocationCode		N	String
		ItemShipperExternalReference		N	String
		ItemShipperTaxIdentifierNumber		N	String
		ItemShipperJurisdiction		N	String
		ItemShipperTaxCertificateType		N	String
		ItemShipperTaxCertificateNumber		N	String
		ItemShipperTaxBasis		N	String
		ItemShipperTaxRate		N	String
		ItemShipperSenderURL		N	String
A_SalesOrderItemText	1 to many				
		CustomerRequiredInstructions		N	String
		ShipperInstructions		N	String
		ConsigneeInstructions		N	String
		CarrierInstructions		N	String
		ImportInstruction		N	String
		CustomerServiceInstructions		N	String
		RoutingInstruction		N	String

A_SalesOrderItemPrElement	1				
		ConditionAmountPerUnit		N	String
		ConditionCurrency		N	String
		ConditionRateValue		N	String
		ConditionQuantityUnitofMeasureCode		N	String
A_SalesOrderScheduleLine	1				
		ScheduleDateConfirmedDeliveryOn		N	Date Time
		ScheduleDateConfirmedShipOn		N	Date Time
		ScheduleDateConfirmedShipBy		N	Date Time
		ScheduleDateConfirmedPickUpby		N	Date Time

Calculation and Mapping

Parent	Field	Rule Type	Rule Instruction (Field/TextID to map from)
A_SalesOrderHeaderHeader	DocumentIdentifier	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <Field>
	DocumentIdentifierDateTime	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <Field>
	RequestingDocumentIdentifier	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <Field>
	RequestingDocumentDateTime	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <Field>
	SenderPartnerName	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <ReceiverPartnerName>
	SenderDUNS	map from ZL2C_DUNS cusfrom table	fetch ReceiverDUNS in DUNS LookUp logic in processing Logic section
	SenderContactName	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <ReceiverContactName>
	SenderContactDescription	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <ReceiverContactDescriptione>
	SenderTelephoneNumberTelecomCountryCode	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <ReceiverTelephoneNumberTelecomCountryCode>
	SenderTelephoneNumberTelecomAreaCode	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <ReceiverTelephoneNumberTelecomAreaCode>
	SenderTelephoneNumberPhoneNumber	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <ReceiverTelephoneNumberPhoneNumber>
	SenderFaxNumberTelecomCountryCode	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <ReceiverFaxNumberTelecomCountryCode>
	SenderFaxNumberTelecomAreaCode	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <ReceiverFaxNumberTelecomAreaCode>
	SenderFaxNumberPhoneNumber	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <ReceiverFaxNumberPhoneNumber>
	SenderEmailAddress	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <ReceiverEmailAddress>
	SenderAlternativeCommunicationMethod	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <ReceiverAlternativeCommunicationMethod>
	SenderAddressLine	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <ReceiverAddressLine>
	SenderCityName	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <ReceiverCityName>

	SenderStateProvince	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <ReceiverStateProvince>
	SenderPostalCode	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <ReceiverPostalCode>
	SenderPostalCountry	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <ReceiverPostalCountry>
	SenderLocationCode	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <ReceiverLocationCode>
	SenderTaxIdentifierNumber	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <ReceiverTaxIdentifierNumber>
	SenderJurisdiction	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <ReceiverJurisdiction>
	SenderTaxCertificateType	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <ReceiverTaxCertificateType>
	SenderTaxCertificateNumber	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <ReceiverTaxCertificateNumber>
	SenderTaxBasis	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <ReceiverTaxBasis>
	SenderTaxRate	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <ReceiverTaxRate>
	SenderSenderURL	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <ReceiverReceiverURL>
	ReceiverPartnerName	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <SenderPartnerName>
	ReceiverDUNS	map from ZL2C_DUNS cusfrom table	fetch SenderDUNS in DUNS LookUp logic in processing Logic section
	ReceiverContactName	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <SenderContactName>
	ReceiverContactDescription	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <SenderContactDescription>
	ReceiverTelephoneNumberTelecomCountryCode	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <SenderTelephoneNumberTelecomCountryCode>
	ReceiverTelephoneNumberTelecomAreaCode	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <SenderTelephoneNumberTelecomAreaCode>
	ReceiverTelephoneNumberPhoneNumber	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <SenderTelephoneNumberPhoneNumber>
	ReceiverFaxNumberTelecomCountryCode	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <SenderFaxNumberTelecomCountryCode>
	ReceiverFaxNumberTelecomAreaCode	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <SenderFaxNumberTelecomAreaCode>
	ReceiverFaxNumberPhoneNumber	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <SenderFaxNumberPhoneNumber>
	ReceiverEmailAddress	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <SenderEmailAddress>
	ReceiverAlternativeCommunicationMethod	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <SenderAlternativeCommunicationMethod>
	ReceiverAddressLine	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <SenderAddressLine>
	ReceiverCityName	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <SenderCityName>
	ReceiverStateProvince	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <SenderStateProvince>
	ReceiverPostalCode	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <SenderPostalCode>
	ReceiverPostalCountry	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <SenderPostalCountry>
	ReceiverLocationCode	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <SenderLocationCode>
	ReceiverTaxIdentifierNumber	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <SenderTaxIdentifierNumber>

	ReceiverJurisdiction	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <SenderJurisdiction>
	ReceiverTaxCertificateType	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <SenderTaxCertificateType>
	ReceiverTaxCertificateNumber	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <SenderTaxCertificateNumber>
	ReceiverTaxBasis	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <SenderTaxBasis>
	ReceiverTaxRate	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <SenderTaxRate
	ReceiverSenderURL	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <SenderSenderURL>
	PurchaseOrderTypeCode	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <Field>
	CustomerPurchaseOrder	map from sales order field	VBAK-BSTNK
	CustomerPurchaseOrderDate	map from sales order field	VBAK-BSTDK
	PurchaseOrderReferenceItem	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <Field>
	TransactionCurrency	map from sales order field	VBAK-WAERK
	ContractNumber	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <Field>
	LanguageCode	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <Field>
	RevisionNumber	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <Field>
	ReleaseNumber	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <Field>
	SalesOrderReference	map from sales order field	VBAK-VBELN
	SalesOrderItemReferenceItem	not mapped	
	IncotermsClassification	map from sales order field	VBKD-INCO1
	IncotermsLocation1	map from sales order field	VBKD-INCO2_L
	CustomerPaymentTerms	map from sales order field	for VBKD-ZTERM where VBKD-VBELN =VBAK-VBELN Fetch TVZBT-VTEXT where TVZBT-ZTERM =VBKD-ZTERM
	PaymentTermsBasisDateCode	not mapped	
	PaymentTermsBasisDate	not mapped	
	DiscountPercentage	not mapped	
	DiscountAmount	not mapped	
	DiscountDaysDue	not mapped	
	DiscountsDueDate	not mapped	
	DeferredAmount	not mapped	
	DeferedDueDate	not mapped	
	PercentDeferredPayable	not mapped	
	Penalty	not mapped	
	ShipWithPurchaseOrder	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <Field>

	CountryOfFinalDestination	map from text + logic	From text VBBK-Z999: Fetch <value> where 'Label> = <Field> If text does not exist, use country of the shipto Party Country of ShiptoParty: KNA1-LAND1 where KNA1-KUNNR = VBPA-KUNNR where: VBPA-VBELN = VBAK-VBELN VBPA-PARVW = SH
	MarketPlaceIdentifier	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <Field>
	MarketPlaceDocumentIdentifier	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <Field>
	MarketPlaceReferenceItem	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <Field>
	MarketPlaceSellerIdentifier	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <Field>
	InvoiceCommunicationMode	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <Field>
	BillingScheduleCode	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <Field>
	PurchaseOrderResponseReasonCode		
	BuyerPartnerName	map from sales order	KNA1-NAME1 where KNA1-KUNNR = SoldtoParty (see Processing Logic section)
	BuyerPartnerCode	See Partner Look Up Logic in Processing Logic section	
	BuyerContactName	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <Field>
	BuyerContactDescription	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <Field>
	SellerPartnerName	map from sales order	TVKO-VTEXT where TVKO-VKORG = VBAK-VKORG
	SellerPartnerCode	see SellerPartnerCode Logic Section	
	SellerContactName	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <Field>
	SellerContactDescription	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <Field>
	ShiptoPartnerName	map from sales order	KNA1-NAME1 where KNA1-KUNNR = ShipToParty (see Processing Logic section)
	ShipToPartnerCode	See Partner Look Up Logic in Processing Logic section	
	PayerPartnerName	map from sales order	KNA1-NAME1 where KNA1-KUNNR = Payer (see Processing Logic section)
	PayerPartnerCode	See Partner Look Up Logic in Processing Logic section	
	BilltoPartnerName	map from sales order	KNA1-NAME1 where KNA1-KUNNR = BillToParty (see Processing Logic section)
	BillToPartnerCode	See Partner Look Up Logic in Processing Logic section	
	ShipperPartnerName	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <Field>
	ShipperPartnerCode	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <Field>
	ShipFromPartnerName	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <Field>
	ShipFromPartnerCode	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <Field>
	CarrierPartnerName	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <Field>
	CarrierPartnerCode	map from text	From text VBBK-Z999: Fetch <value> where 'Label> = <Field>
	BuyerTelephoneNumberTelecomCountryCode	not mapped	

	BuyerTelephoneNumberTelecomAreaCode	not mapped	
	BuyerTelephoneNumberPhoneNumber	map from sales order	ADR2-TEL_NUMBER where ADRC-ADDRNUMBER = SoldToAddressNumber
	BuyerFaxNumberTelecomCountryCode	not mapped	
	BuyerFaxNumberTelecomAreaCode	not mapped	
	BuyerFaxNumberPhoneNumber	map from sales order	ADR3-FAXNR_LONG where ADRC-ADDRNUMBER= SoldToAddressNumber
	BuyerEmailAddress	map from sales order	ADR6-SMTP_ADDR where ADRC-ADDRNUMBER= SoldToAddressNumber
	BuyerAlternativeCommunicationMethod	not mapped	
	BuyerAddressLine	map from sales order	ADRC-HOUSE_NUM1 where ADRC-ADDRNUMBER= SoldToAddressNumber " " ADRC-STREET where ADRC-ADDRNUMBER= SoldToAddressNumber
	BuyerCityName	map from sales order	ADRC-CITY1 where ADRC-ADDRNUMBER= SoldToAddressNumber
	BuyerStateProvince	map from sales order	ADRC-REGION where ADRC-ADDRNUMBER= SoldToAddressNumber
	BuyerPostalCode	map from sales order	ADRC-POST_CODE1 where ADRC-ADDRNUMBER= SoldToAddressNumber
	BuyerPostalCountry	map from sales order	ADRC-COUNTRY where ADRC-ADDRNUMBER= SoldToAddressNumber
	BuyerLocationCode	map from sales order	KNA1-LOCCO where KNA1-KUNNR = SoldToParty
	BuyerExternalReference	not mapped	
	BuyerTaxIdentifierNumber	map from sales order	DFKKBPTAXNUM_TAXNUM where DFKKBPTAXNUM_PARTNER = BUT000_PARTNER BUT000_PARTNER: BUT000_PARTNER where BUT000_PARTNER_GUID = CVI_CUST_LINK_PARTNER_GUID BUT000_PARTNER_GUID = CVI_CUST_LINK_PARTNER_GUID where CVI_CUST_LINK_CUSTOMER = SoldToParty
	BuyerJurisdiction	map from sales order	ADRC-TAXJURCODE where ADRC-ADDRNUMBER= SoldToAddressNumber
	BuyerTaxCertificateType	not mapped	
	BuyerTaxCertificateNumber	not mapped	
	BuyerTaxBasis	not mapped	
	BuyerTaxRate	not mapped	
	BuyerSenderURL	map from text	ADR12-URI_ADDR where ADR12-ADDRNUMBER= SoldToAddressNumber
	ShipToTelephoneNumberTelecomCountryCode	not mapped	
	ShipToTelephoneNumberTelecomAreaCode	not mapped	
	ShipToTelephoneNumberPhoneNumber	map from sales order	ADR2-TEL_NUMBER where ADRC-ADDRNUMBER = SToAddressNumber
	ShipToFaxNumberTelecomCountryCode	not mapped	
	ShipToFaxNumberTelecomAreaCode	not mapped	
	ShipToFaxNumberPhoneNumber	map from sales order	ADR3-FAXNR_LONG where ADRC-ADDRNUMBER= ShipToAddressNumber
	ShipToEmailAddress	map from sales order	ADR6-SMTP_ADDR where ADRC-ADDRNUMBER= ShipToAddressNumber
	ShipToAlternativeCommunicationMethod	not mapped	

	ShipToAddressLine	map from sales order	ADRC-HOUSE_NUM1 where ADRC-ADDRNUMBER= ShipToAddressNumber " " ADRC-STREET where ADRC-ADDRNUMBER= ShipToAddressNumber
	ShipToCityName	map from sales order	ADRC-CITY1 where ADRC-ADDRNUMBER= ShipToAddressNumber
	ShipToStateProvince	map from sales order	ADRC-REGION where ADRC-ADDRNUMBER= ShipToAddressNumber
	ShipToPostalCode	map from sales order	ADRC-POST_CODE1 where ADRC-ADDRNUMBER= ShipToAddressNumber
	ShipToPostalCountry	map from sales order	ADRC-COUNTRY where ADRC-ADDRNUMBER= ShipToAddressNumber
	ShipToLocationCode	map from sales order	KNA1-LOCCO where KNA1-KUNNR = ShipToParty
	ShipToExternalReference	not mapped	
	ShipToTaxIdentifierNumber	map from sales order	DFKKBPTAXNUM_TAXNUM where DFKKBPTAXNUM_PARTNER = BUT000_PARTNER BUT000_PARTNER: BUT000_PARTNER where BUT000_PARTNER_GUID = CVI_CUST_LINK_PARTNER_GUID BUT000_PARTNER_GUID = CVI_CUST_LINK_PARTNER_GUID where CVI_CUST_LINK_CUSTOMER = ShipToParty
	ShipToJurisdiction	map from sales order	ADRC-TAXJURCODE where ADRC-ADDRNUMBER= ShipToAddressNumber
	ShipToTaxCertificateType	not mapped	
	ShipToTaxCertificateNumber	not mapped	
	ShipToTaxBasis	not mapped	
	ShipToTaxRate	not mapped	
	ShipToSenderURL	map from sales order	ADR12-URI_ADDR where ADR12-ADDRNUMBER= SoldToAddressNumber
	PayerTelephoneNumberTelecomCountryCode	not mapped	
	PayerTelephoneNumberTelecomAreaCode	not mapped	
	PayerTelephoneNumberPhoneNumber	map from sales order	ADR2-TEL_NUMBER where ADRC-ADDRNUMBER = PayerAddressNumber
	PayerFaxNumberTelecomCountryCode	not mapped	
	PayerFaxNumberTelecomAreaCode	not mapped	
	PayerFaxNumberPhoneNumber	map from sales order	ADR3-FAXNR_LONG where ADRC-ADDRNUMBER= PayerAddressNumber
	PayerEmailAddress	map from sales order	ADR6-SMTP_ADDR where ADRC-ADDRNUMBER= PayerAddressNumber
	PayerAlternativeCommunicationMethod	not mapped	
	PayerAddressLine	map from sales order	ADRC-HOUSE_NUM1 where ADRC-ADDRNUMBER= PayerAddressNumber " " ADRC-STREET where ADRC-ADDRNUMBER= PayerAddressNumber
	PayerCityName	map from sales order	ADRC-CITY1 where ADRC-ADDRNUMBER= PayerAddressNumber
	PayerStateProvince	map from sales order	ADRC-REGION where ADRC-ADDRNUMBER= PayerAddressNumber
	PayerPostalCode	map from sales order	ADRC-POST_CODE1 where ADRC-ADDRNUMBER= PayerAddressNumber
	PayerPostalCountry	map from sales order	ADRC-COUNTRY where ADRC-ADDRNUMBER= PayerAddressNumber
	PayerLocationCode	map from sales order	KNA1-LOCCO where KNA1-KUNNR = Payer
	PayerExternalReference	not mapped	

	PayerTaxIdentifierNumber	map from sales order	DFKKBPTAXNUM_TAXNUM where DFKKBPTAXNUM_PARTNER = BUT000_PARTNER BUT000_PARTNER: BUT000_PARTNER where BUT000_PARTNER_GUID = CVI_CUST_LINK_PARTNER_GUID BUT000_PARTNER_GUID = CVI_CUST_LINK_PARTNER_GUID where CVI_CUST_LINK_CUSTOMER = Payer
	PayerJurisdiction	map from sales order	ADRC-TAXJURCODE where ADRC-ADDRNUMBER= PayerAddressNumber
	PayerToTaxCertificateType	not mapped	
	PayerTaxCertificateNumber	not mapped	
	PayerTaxBasis	not mapped	
	PayerTaxRate	not mapped	
	PayerSenderURL	map from sales order	ADR12-URI_ADDR where ADR12-ADDRNUMBER= PayerAddressNumber
	AccountHolderName	not mapped	
	AccountNumber	not mapped	
	FinancialInstitution	not mapped	
	FinancialInstitutionDFINumber	not mapped	
	CreditCardNumber	not mapped	
	CreditCardType	not mapped	
	CreditCardExpirationDate	not mapped	
	BillToTelephoneNumberTelecomCountryCode	not mapped	
	BillToTelephoneNumberTelecomAreaCode	not mapped	
	BillToTelephoneNumberPhoneNumber	map from sales order	ADR2-TEL_NUMBER where ADRC-ADDRNUMBER = BillToAddressNumber
	BillToFaxNumberTelecomCountryCode	not mapped	
	BillToFaxNumberTelecomAreaCode	not mapped	
	BillToFaxNumberPhoneNumber	map from sales order	ADR3-FAXNR_LONG where ADRC-ADDRNUMBER= BillToAddressNumber
	BillToEmailAddress	map from sales order	ADR6-SMTP_ADDR where ADRC-ADDRNUMBER= BillToAddressNumber
	BillToAlternativeCommunicationMethod	not mapped	
	BillToAddressLine	map from sales order	ADRC-HOUSE_NUM1 where ADRC-ADDRNUMBER= BillToAddressNumber " " ADRC-STREET where ADRC-ADDRNUMBER= BillToAddressNumber
	BillToCityName	map from sales order	ADRC-CITY1 where ADRC-ADDRNUMBER= BillToAddressNumber
	BillToStateProvince	map from sales order	ADRC-REGION where ADRC-ADDRNUMBER= BillToAddressNumber
	BillToPostalCode	map from sales order	ADRC-POST_CODE1 where ADRC-ADDRNUMBER= BillToAddressNumber
	BillToPostalCountry	map from sales order	ADRC-COUNTRY where ADRC-ADDRNUMBER= BillToAddressNumber
	BillToLocationCode	map from sales order	KNA1-LOCCO where KNA1-KUNNR = BillToParty
	BillToExternalReference	not mapped	

	BillToTaxIdentifierNumber	map from sales order	DFKKBPTAXNUM_TAXNUM where DFKKBPTAXNUM_PARTNER = BUT000_PARTNER BUT000_PARTNER: BUT000_PARTNER where BUT000_PARTNER_GUID = CVI_CUST_LINK_PARTNER_GUID BUT000_PARTNER_GUID = CVI_CUST_LINK_PARTNER_GUID where CVI_CUST_LINK_CUSTOMER = BillToParty
	BillToJurisdiction	map from sales order	ADRC-TAXJURCODE where ADRC-ADDRNUMBER= BillToAddressNumber
	BillToTaxCertificateType	not mapped	
	BillToTaxCertificateNumber	not mapped	
	BillToTaxBasis	not mapped	
	BillToTaxRate	not mapped	
	BillToSenderURL	map from text	ADR12-URI_ADDR where ADR12-ADDRNUMBER= BillToAddressNumber
	ShipFromTelephoneNumberTelecomCountryCode	not mapped	
	ShipFromTelephoneNumberTelecomAreaCode	not mapped	
	ShipFromTelephoneNumberPhoneNumber	not mapped	
	ShipFromFaxNumberTelecomCountryCode	not mapped	
	ShipFromFaxNumberTelecomAreaCode	not mapped	
	ShipFromFaxNumberPhoneNumber	not mapped	
	ShipFromEmailAddress	not mapped	
	ShipFromAlternativeCommunicationMethod	not mapped	
	ShipFromAddressLine	not mapped	
	ShipFromCityName	not mapped	
	ShipFromStateProvince	not mapped	
	ShipFromPostalCode	not mapped	
	ShipFromPostalCountry	not mapped	
	ShipFromLocationCode	not mapped	
	ShipFromExternalReference	not mapped	
	ShipFromTaxIdentifierNumber	not mapped	
	ShipFromJurisdiction	not mapped	
	ShipFromTaxCertificateType	not mapped	
	ShipFromTaxCertificateNumber	not mapped	
	ShipFromTaxBasis	map from text	
	ShipFromTaxRate	not mapped	
	ShipFromSenderURL	map from text	
	CarrierTelephoneNumberTelecomCountryCode	not mapped	
	CarrierTelephoneNumberTelecomAreaCode	not mapped	
	CarrierTelephoneNumberPhoneNumber	not mapped	

	CarrierFaxNumberTelecomCountryCode	map from text	
	CarrierFaxNumberTelecomAreaCode	not mapped	
	CarrierFaxNumberPhoneNumber	not mapped	
	CarrierEmailAddress	not mapped	
	CarrierAlternativeCommunicationMethod	map from text	
	CarrierAddressLine	not mapped	
	CarrierCityName	not mapped	
	CarrierStateProvince	not mapped	
	CarrierPostalCode	not mapped	
	CarrierPostalCountry	not mapped	
	CarrierLocationCode	not mapped	
	CarrierExternalReference	not mapped	
	CarrierTaxIdentifierNumber	not mapped	
	CarrierJurisdiction	not mapped	
	CarrierTaxCertificateType	not mapped	
	CarrierTaxCertificateNumber	not mapped	
	CarrierTaxBasis	not mapped	
	CarrierTaxRate	not mapped	
	CarrierSenderURL	not mapped	
	ShipperTelephoneNumberTelecomCountryCode	not mapped	
	ShipperTelephoneNumberTelecomAreaCode	not mapped	
	ShipperTelephoneNumberPhoneNumber	not mapped	
	ShipperFaxNumberTelecomCountryCode	not mapped	
	ShipperFaxNumberTelecomAreaCode	not mapped	
	ShipperFaxNumberPhoneNumber	not mapped	
	ShipperEmailAddress	not mapped	
	ShipperAlternativeCommunicationMethod	not mapped	
	ShipperAddressLine	not mapped	
	ShipperCityName	not mapped	
	ShipperStateProvince	not mapped	
	ShipperPostalCode	not mapped	
	ShipperPostalCountry	not mapped	
	ShipperLocationCode	not mapped	
	ShipperExternalReference	not mapped	
	ShipperTaxIdentifierNumber	not mapped	
	ShipperJurisdiction	not mapped	
	ShipperTaxCertificateType	not mapped	
	ShipperTaxCertificateNumber	not mapped	
	ShipperTaxBasis	not mapped	

	ShipperTaxRate	not mapped	
	ShipperSenderURL	not mapped	
A_SalesOrderText	CustomerRequiredInstructions	map from text	VBBK_Z004
	ShipperInstructions	map from text	VBBK_Z004
	ConsigneeInstructions	map from text	VBBK_Z004
	CarrierInstructions	map from text	VBBK_Z004
	ImportInstruction	map from text	VBBK_Z004
	CustomerServiceInstructions	read text	read SO10 text section in Processing Logic
	RoutingInstruction	map from text	VBBK_Z004
A_SalesOrderItem	LineItemNumber	map from text	From text VBBP-Z999: Fetch <value> where 'Label> = <Field>
	PurchaseOrderLineItemNumber	map from sales order field	VBAP-POSNR
	LineItemHandlingInstruction	map from text	From text VBBP-Z999: Fetch <value> where 'Label> = <Field>
	MaterialByCustomer	map from sales order field	VBAP-KDMAT
	MaterialByCustomerDescription	map from text	From text VBBP-Z999: Fetch <value> where 'Label> = <Field>
	ProductDescription	map from text	From text VBBP-Z999: Fetch <value> where 'Label> = <Field>
	ProductGradeDescription	map from text	From text VBBP-Z999: Fetch <value> where 'Label> = <Field>
	Material	map from sales order field	VBAP-MATNR
	MaterialDescription	map from sales order field	VBAP-ARKTX
	ProductDescription	map from text	From text VBBP-Z999: Fetch <value> where 'Label> = <Field>
	ProductGradeDescription	map from text	From text VBBP-Z999: Fetch <value> where 'Label> = <Field>
	SalesOrderReference	map from sales order field	VBAK-VBELN
	SalesOrderReferenceItem	map from sales order field	VBAP-POSNR where VBAP-VBELN = VBAK-VBELN
	SalesOrderItemNumber	map from sales order field	VBAP-POSNR where VBAP-VBELN = VBAK-VBELN
	RequestedQuantity	map from sales order field	VBAP-KWMENG
	RequestedQuantityISOUnit	map from sales order field	VBAP-VRKME
	PackagingQuantity	map from text	From text VBBP-Z999: Fetch <value> where 'Label> = <Field>
	PackagingQuantityISOUnit	map from text	From text VBBP-Z999: Fetch <value> where 'Label> = <Field>
	EngineeringChangeOrderIdentifier	map from text	From text VBBP-Z999: Fetch <value> where 'Label> = <Field>
	BatchNumber	map from text	From text VBBP-Z999: Fetch <value> where 'Label> = <Field>
	CountryOfOriginCode	map from text	From text VBBP-Z999: Fetch <value> where 'Label> = <Field>
	IncotermsClassification	map from sales order	VBKD-INCO1
	IncotermsLocation1	map from sales order	VBKD-INCO2_L
	TransportMethodCode	map from text	From text VBBP-Z999: Fetch <value> where 'Label> = <Field>
	LineItemPurposeCode	map from text	From text VBBP-Z999: Fetch <value> where 'Label> = <Field>
	BalanceItemFlag	map from text	From text VBBP-Z999: Fetch <value> where 'Label> = <Field>
	DeliveryTolerancesLowerLimit	map from text	From text VBBP-Z999: Fetch <value> where 'Label> = <Field>

	DeliveryTolerancesUpperLimit	map from text	From text VBBP-Z999: Fetch <value> where 'Label> = <Field>
	DeliveryTolerancesUnitofMeasure	map from text	From text VBBP-Z999: Fetch <value> where 'Label> = <Field>
	ChangeAcknowledgementFlag	fixed value	default <N>
	LineStatusCode	See LineStatusCode Mapping in Processing Logic section	
	LineResponseReasonCode	fixed value	default <ZZ>
	LineItemPurposeCode	fixed value	default <ZZ>
	ItemShiptoPartnerName	map from text	From text VBBP-Z999: Fetch <value> where 'Label> = <Field>
	ItemShipToPartnerCode	map from text	From text VBBP-Z999: Fetch <value> where 'Label> = <Field>
	ItemBilltoPartnerName	map from text	From text VBBP-Z999: Fetch <value> where 'Label> = <Field>
	ItemBillToPartnerCode	map from text	From text VBBP-Z999: Fetch <value> where 'Label> = <Field>
	ItemShipperPartnerName	not mapped	
	ItemShipperPartnerCode	not mapped	
	ItemShipFromPartnerName	not mapped	
	ItemShipFromPartnerCode	not mapped	
	ItemCarrierPartnerName	not mapped	
	ItemCarrierPartnerCode	not mapped	
	ItemShipToTelephoneNumberTelecomCountryCode	not mapped	
	ItemShipToTelephoneNumberTelecomAreaCode	not mapped	
	ItemShipToTelephoneNumberPhoneNumber	not mapped	
	ItemShipToFaxNumberTelecomCountryCode	not mapped	
	ItemShipToFaxNumberTelecomAreaCode	not mapped	
	ItemShipToFaxNumberPhoneNumber	not mapped	
	ItemShipToEmailAddress	not mapped	
	ItemShipToAlternativeCommunicationMethod	not mapped	
	ItemShipToAddressLine	not mapped	
	ItemShipToCityName	not mapped	
	ItemShipToStateProvince	not mapped	
	ItemShipToPostalCode	not mapped	
	ItemShipToPostalCountry	not mapped	
	ItemShipToLocationCode	not mapped	
	ItemShipToExternalReference	not mapped	
	ItemShipToTaxIdentifierNumber	not mapped	
	ItemShipToJurisdiction	not mapped	
	ItemShipToTaxCertificateType	not mapped	
	ItemShipToTaxCertificateNumber	not mapped	
	ItemShipToTaxBasis	not mapped	

	ItemShipToTaxRate	not mapped	
	ItemShipToSenderURL	not mapped	
	ItemBillToTelephoneNumberTelecomCountryCode	not mapped	
	ItemBillToTelephoneNumberTelecomAreaCode	not mapped	
	ItemBillToTelephoneNumberPhoneNumber	not mapped	
	ItemBillToFaxNumberTelecomCountryCode	not mapped	
	ItemBillToFaxNumberTelecomAreaCode	not mapped	
	ItemBillToFaxNumberPhoneNumber	not mapped	
	ItemBillToEmailAddress	not mapped	
	ItemBillToAlternativeCommunicationMethod	not mapped	
	ItemBillToAddressLine	not mapped	
	ItemBillToCityName	not mapped	
	ItemBillToStateProvince	not mapped	
	ItemBillToPostalCode	not mapped	
	ItemBillToPostalCountry	not mapped	
	ItemBillToLocationCode	not mapped	
	ItemBillToExternalReference	not mapped	
	ItemBillToTaxIdentifierNumber	not mapped	
	ItemBillToJurisdiction	not mapped	
	ItemBillToTaxCertificateType	not mapped	
	ItemBillToTaxCertificateNumber	not mapped	
	ItemBillToTaxBasis	not mapped	
	ItemBillToTaxRate	not mapped	
	ItemBillToSenderURL	not mapped	
	ItemShipFromTelephoneNumberTelecomCountryCode	not mapped	
	ItemShipFromTelephoneNumberTelecomAreaCode	not mapped	
	ItemShipFromTelephoneNumberPhoneNumber	not mapped	
	ItemShipFromFaxNumberTelecomCountryCode	not mapped	
	ItemShipFromFaxNumberTelecomAreaCode	not mapped	
	ItemShipFromFaxNumberPhoneNumber	not mapped	
	ItemShipFromEmailAddress	not mapped	
	ItemShipFromAlternativeCommunicationMethod	not mapped	
	ItemShipFromAddressLine	not mapped	
	ItemShipFromCityName	not mapped	
	ItemShipFromStateProvince	not mapped	
	ItemShipFromPostalCode	not mapped	
	ItemShipFromPostalCountry	not mapped	

	ItemShipFromLocationCode	not mapped	
	ItemShipFromExternalReference	not mapped	
	ItemShipFromTaxIdentifierNumber	not mapped	
	ItemShipFromJurisdiction	not mapped	
	ItemShipFromTaxCertificateType	not mapped	
	ItemShipFromTaxCertificateNumber	not mapped	
	ItemShipFromTaxBasis	not mapped	
	ItemShipFromTaxRate	not mapped	
	ItemShipFromSenderURL	not mapped	
	ItemCarrierTelephoneNumberTelecomCountryCode	not mapped	
	ItemCarrierTelephoneNumberTelecomAreaCode	not mapped	
	ItemCarrierTelephoneNumberPhoneNumber	not mapped	
	ItemCarrierFaxNumberTelecomCountryCode	not mapped	
	ItemCarrierFaxNumberTelecomAreaCode	not mapped	
	ItemCarrierFaxNumberPhoneNumber	not mapped	
	ItemCarrierEmailAddress	not mapped	
	ItemCarrierAlternativeCommunicationMethod	not mapped	
	ItemCarrierAddressLine	not mapped	
	ItemCarrierCityName	not mapped	
	ItemCarrierStateProvince	not mapped	
	ItemCarrierPostalCode	not mapped	
	ItemCarrierPostalCountry	not mapped	
	ItemCarrierLocationCode	not mapped	
	ItemCarrierExternalReference	not mapped	
	ItemCarrierTaxIdentifierNumber	not mapped	
	ItemCarrierJurisdiction	not mapped	
	ItemCarrierTaxCertificateType	not mapped	
	ItemCarrierTaxCertificateNumber	not mapped	
	ItemCarrierTaxBasis	not mapped	
	ItemCarrierTaxRate	not mapped	
	ItemCarrierSenderURL	not mapped	
	ItemShipperTelephoneNumberTelecomCountryCode	not mapped	
	ItemShipperTelephoneNumberTelecomAreaCode	not mapped	
	ItemShipperTelephoneNumberPhoneNumber	not mapped	
	ItemShipperFaxNumberTelecomCountryCode	not mapped	
	ItemShipperFaxNumberTelecomAreaCode	not mapped	

	ItemShipperFaxNumberPhoneNumber	not mapped	
	ItemShipperEmailAddress	not mapped	
	ItemShipperAlternativeCommunicationMethod	not mapped	
	ItemShipperAddressLine	not mapped	
	ItemShipperCityName	not mapped	
	ItemShipperStateProvince	not mapped	
	ItemShipperPostalCode	not mapped	
	ItemShipperPostalCountry	not mapped	
	ItemShipperLocationCode	not mapped	
	ItemShipperExternalReference	not mapped	
	ItemShipperTaxIdentifierNumber	not mapped	
	ItemShipperJurisdiction	not mapped	
	ItemShipperTaxCertificateType	not mapped	
	ItemShipperTaxCertificateNumber	not mapped	
	ItemShipperTaxBasis	not mapped	
	ItemShipperTaxRate	not mapped	
	ItemShipperSenderURL	not mapped	
A_SalesOrderItemText	CustomerRequiredInstructions	map from text	VBBP_Z004
	ShipperInstructions	map from text	VBBP_Z004
	ConsigneeInstructions	map from text	VBBP_Z004
	CarrierInstructions	map from text	VBBP_Z004
	ImportInstruction	map from text	VBBP_Z004
	CustomerServiceInstructions	map from text	VBBP_Z004
	RoutingInstruction	map from text	VBBP_Z002
A_SalesOrderItemPrElement	ConditionAmountPerUnit	map from sales order field	PRCD_ELEMENTS-KBETR where PRCD_ELEMENTS - KSCHL = "PPR0"; PRCD-ELEMTS - KNUMV = VBAK-KNUMV and PRCD-ELEMTS - KPOSN = VBAP-POSNR
	ConditionCurrency	map from sales order field	PRCD_ELEMENTS-WAERS where PRCD_ELEMENTS - KSCHL = "PPR0" ; PRCD-ELEMTS - KNUMV = VBAK-KNUMV and PRCD-ELEMTS - KPOSN = VBAP-POSNR
	ConditionRateValue	map from sales order field	PRCD_ELEMENTS-KPEIN where PRCD_ELEMENTS - KSCHL = "PPR0" ; PRCD-ELEMTS - KNUMV = VBAK-KNUMV and PRCD-ELEMTS - KPOSN = VBAP-POSNR
	ConditionQuantityUnitofMeasureCode	map from sales order field	PRCD_ELEMENTS-KMEIN where PRCD_ELEMENTS - KSCHL = "PPR0" ; PRCD-ELEMTS - KNUMV = VBAK-KNUMV and PRCD-ELEMTS - KPOSN = VBAP-POSNR
A_SalesOrderScheduleLine	ScheduleDateConfirmedDeliveryOn	map from sales order field	VBEP-EDATU where: VBEP-VBELN = VBAK-VBELN VBEP-POSNR = VBAP-POSNR VBEP-BMENG <> 0 or blank
	ScheduleDateConfirmedShipOn	map from sales order field	VBEP-EDATU where: VBEP-VBELN = VBAK-VBELN VBEP-POSNR = VBAP-POSNR VBEP-BMENG <> 0 or blank
	ScheduleDateConfirmedShipBy		
	ScheduleDateConfirmedPickUpby		

Processing Logic

SellerPartnerCode Determination Logic

Refer to DUNS Reference Table (ZL2C_DUNS) created in ERP-2097 System Interface - Elemica Sales Order Create Interface

SellerPartnerCode **=** SellerDUNS where:

SenderDUNS = A_SalesOrderHeader/SenderDUNS

ReceiverDUNS = A_SalesOrderHeader/ReceiverDUNS

BuyerDUNS = A_SalesOrderHeaderPartner/BuyerPartnerCode

DUNS LookUp Logic from table ZL2C_DUNS (created in ERP-2097 System Interface - Elemica Sales Order Create Interface)

DUNS	Lookup logic from table ZL2C_DUNS
A_SalesOrderHeader/SenderDUNS	ReceiverDUNS where: BuyerDUNS = A_SalesOrderHeader/BuyerPartnerCode SellerDUNS = A_SalesOrderHeader/SellerPartnerCode
A_SalesOrderHeader/ReceiverDUNS	SenderDUNS where: BuyerDUNS =A_SalesOrderHeader/BuyerPartnerCode SellerDUNS = A_SalesOrderHeader/SellerPartnerCode

Partner Look Up Logic

Elemica use the DUNS (Partner Codes) for the different business partner roles in a message. To send a sales order response from S/4HANA, the Partner Codes for each of the SAP Customers Partner roles have to be found. As a pre-requisite, the mapping of the Partner Codes, partner role and the SAP Customer numbers will be maintained using the standard SAP table EDPAR. This table will be maintained in each client as part of customer activates via transaction code VOE4.

Below table is the look up logic of the Partner Code from the SAP Customer partner role from sales order for the Order Response Message

Partner Code	Logic to find Partner Code from SAP Customer
BuyerPartnerCode	EDPAR-EXPNR where: EDPAR - INPNR = <SoldToParty> and EDPAR-PARVM = SP
ShipToPartnerCode	EDPAR-EXPNR where: EDPAR - INPNR = <ShipToParty> and EDPAR-PARVM = SH EDPAR-KUNNR = <SoldToParty>
PayerPartnerCode	EDPAR-INPNR where: EDPAR - EXPNR = Payer and EDPAR-PARVM = PY EDPAR-KUNNR = SoldToParty
BillToPartnerCode	EDPAR-INPNR where: EDPAR - EXPNR = BillToParty and EDPAR-PARVM = BP EDPAR-KUNNR = SoldToParty>

where:

SAP Customer Code	Source of SAP Customer in Sales Order
SoldToParty	VBAK-KUNNR
ShipToParty	VBPA-KUNNR where: VBPA-VBELN = VBAK-VBELN VBPA-PARVW = SH
Payer	VBPA-KUNNR where: VBPA-VBELN = VBAK-VBELN VBPA-PARVW = PY
BillToParty	VBPA-KUNNR where: VBPA-VBELN = VBAK-VBELN VBPA-PARVW = BP

Address Number

Customer Address Number	Address Number (KNA1-ADRNR) logic
SoldToAddressNumber	KNA1-ADRNR where KNA1-KUNNR = SoldtoParty
ShipToAddressNumber	KNA1-ADRNR where KNA1-KUNNR = ShipToParty
PayerAddressNumber	KNA1-ADRNR where KNA1-KUNNR = PayerParty
BillToAddressNumber	KNA1-ADRNR where KNA1-KUNNR = BillToParty

SO10 text for CustomerServiceInstruction

Maintain below text in SO10

This order is supplied subject to the General Terms and Conditions of sales of Solvay companies available on the Solvay Internet website: https://www.solvay.com/en/markets-and-products/doing-business-with-solvay/terms-conditions/index.html

Sales Order Criteria for sending Order Response API

1. Customer: Only for specific EDI customers as maintained in table ZL2C_ELEMICA_OUTBOUND where Order Response checkbox is ticket for the sold to in the sales order (VBAK-KUNNR)
2. Purchase Order Type: VBAK-BSARK = DFUE (EDI Orders only)
3. Order is not billed: Billing status VBAK-GBSTK not C

SAP Event Mesh Trigger Conditions

Trigger Condition	Sales Order Event
Immediately after sales order is created	Sales Order Created
Sales Order Changes	Sales Order Changed
Delivery block change	Sales Order Overall Delivery Block Status Changed
Credit Status change	Sales Order Overall Credit Check Status Changed
Changes to rejection status	Sales Order Rejection Status Changed

Custom Table: OUTBOUND EDI CUSTOMER Table (ZL2C_EDI_CUST_OUT)

Outbound EDI messages are only required by specific customers. This table is to maintain the list of customers and the outbound messages they require for use by SAP Event Mesh to trigger the outbound API.

This table should not be transportable and should only be maintained by a technical / support user (no user transaction or Fiori app required).

This table will be initially populated with known and existing data as part of cutover activities. It will be updated when a new customer is onboarded and required any of the outbound messages.

When a sold to requires an outbound message, an checkbox should be ticked against it.

Table Definition

Field	Data Type	Validation Rule/Value Help
Customer (Sold to)	String	
Order Response	Char	
ShipNotice	Char	
Invoice	Char	

Table Example

Sold to	Order Response	ShipNotice	Invoice
2073976	X	X	
2094097			X

LineStatusCode Mapping

Sales Order Event	LineStatusCode
Sales Order Created	PH
Sales Order Item Created	IN
Sales Order Item Changed	IN
Sales Order Item Rejection Status Changed	CU

Delta or Full Load Requirements

Interface Alert & Monitoring

Monitoring will be done via AIF

Language Requirements

English

User Interface Requirements

N/A

Sequencing

N/A

Volumetrics

circa 800 messages per month

Performance Consideration

Error Handling

Error handling for this interface to align with the error handling process for interfaces as defined for SyWay (exact approach / process yet to be defined and below are indicative only to be refined based on the defined approach)

Integration errors:

All errors occurring during mapping rule execution and during posting to be added to the application log and AIF in a readable and user understandable format. These errors should trigger incident creation in SyRa (tbc)

Data errors or errors in S4 during translation, logic execution etc:

These should trigger a Fiori launchpad notification to the CSR highlighting the error in an understandable format in addition to logging the error in AIF (to be defined exactly how users will access and reprocess these failed messages)

Testing

How to Test

Test Conditions and Expected Results

ID	Condition	Expected Results
1	OrderResponse API executes defined logics, mapping and lookups in S/4HANA and triggers the XML to SAP CPI	All defined logics, mapping and lookups in S/4HANA executed correctly and AP triggers XML to SAP CPI
2	OrderResponse API sends XML to SAP CPI based on Sales Order Criteria and SAP Event Mesh trigger conditions	OrderResponse API successfully sends XML to SAP CPI based on Sales Order Criteria and SAP Event Mesh trigger conditions
3	OrderResponse API sends XML to SAP CPI meeting defined structure and mapping	OrderResponse API successfully sends XML to SAP CPI meeting defined structure and mapping
4	Trigger OrderResponse from Sales Order for a customer with DUNS number combination not maintained in DUNS Reference Table (ZL2C_DUNS)	OrderResponse from S/4HANA not sent to SAP CPI
5	Trigger OrderResponse from Sales Order for a customer whose Partner Codes for SoldtoParty, Shiptoparty, billToparty and Payer partners are not maintained in EDPAR table	OrderResponse from S/4HANA not sent to SAP CPI
6	Trigger OrderResponse from Sales Order not created via EDI (i.e. VBAK-BSARK not DFUE)	OrderResponse API does not trigger from S/4HANA
7	Trigger OrderResponse from Sales Order for a customer not enabled for Order Response in ZL2C_EDI_CUST_OUT table	OrderResponse API does not trigger from S/4HANA
8	Trigger OrderResponse from Sales Order with an event not included in the SAP Event Mesh Trigger Conditions list	OrderResponse API does not trigger from S/4HANA
9	Trigger OrderResponse from Sales Order that is already invoiced	OrderResponse API does not trigger from S/4HANA

Test Considerations/Dependencies

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
File OrderResponseFlow draw.io diagram	Feb 25, 2026 by ABOLAJI-ext, Luqman
File ~OrderResponseFlow.tmp draw.io Draft	Feb 25, 2026 by ABOLAJI-ext, Luqman

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Change log

Version	Published	Changed By	Comment
CURRENT (v. 46)	**Apr 27, 2026 07:36**	**WEINERT-ext, Patrick**	
v. 45	Apr 26, 2026 17:26	**ABOLAJI-ext, Luqman**	
v. 44	Apr 26, 2026 17:19	**ABOLAJI-ext, Luqman**	
v. 43	Apr 26, 2026 10:04	**ABOLAJI-ext, Luqman**	
v. 42	Apr 17, 2026 15:59	**ABOLAJI-ext, Luqman**	
v. 41	Apr 17, 2026 09:59	**ABOLAJI-ext, Luqman**	
v. 40	Apr 17, 2026 09:59	**ABOLAJI-ext, Luqman**	
v. 39	Apr 17, 2026 08:42	**ABOLAJI-ext, Luqman**	
v. 38	Apr 08, 2026 17:08	**ABOLAJI-ext, Luqman**	
v. 37	Apr 04, 2026 16:48	**ABOLAJI-ext, Luqman**	

Go to Page History

Workflow history

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

May 05, 2026	Actor	Type	Activity	Version
Approved	FARIA-ext, Joana	State	changed state to Approved at 2:28 pm	v46
Lead Approval	FARIA-ext, Joana	State	gave *POD Lead Review* approval at 2:28 pm	
Apr 27, 2026				
	WEINERT-ext, Patrick	State	changed expiry date to '04 May, 2026 07:36 am' at 7:36 am	
		State	changed state to Lead Approval at 7:36 am	v46
Tech Review of Updates	WEINERT-ext, Patrick	State	gave *Minor change* approval at 7:36 am	
From Apr 17, 2026 to Apr 27, 2026				
	ABOLAJI-ext, Luqman and WEINERT-ext, Patrick	Edit	multiple updates from ABOLAJI-ext, Luqman and WEINERT-ext, Patrick	