

# Enterprise Services for SAP Supplier Relationship Management



**Release 5.5**



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## Icons in Body Text

| Icon  | Meaning        |
|---|----------------|
|  | Caution        |
|  | Example        |
|  | Note           |
|  | Recommendation |
|  | Syntax         |

Additional icons are used in SAP Library documentation to help you identify different types of information at a glance. For more information, see *Help on Help → General Information Classes and Information Classes for Business Information Warehouse* on the first page of any version of *SAP Library*.

## Typographic Conventions

| Type Style          | Description  |
|---------------------|--|
| <i>Example text</i> | Words or characters quoted from the screen. These include field names, screen titles, pushbuttons labels, menu names, menu paths, and menu options.<br><br>Cross-references to other documentation.                              |
| <b>Example text</b> | Emphasized words or phrases in body text, graphic titles, and table titles.  |
| EXAMPLE TEXT        | Technical names of system objects. These include report names, program names, transaction codes, table names, and key concepts of a programming language when they are surrounded by body text, for example, SELECT and INCLUDE. |
| Example text        | Output on the screen. This includes file and directory names and their paths, messages, names of variables and parameters, source text, and names of installation, upgrade and database tools.                                   |
| <b>Example text</b> | Exact user entry. These are words or characters that you enter in the system exactly as they appear in the documentation.  |
| <Example text>      | Variable user entry. Angle brackets indicate that you replace these words and characters with appropriate entries to make entries in the system.   |
| EXAMPLE TEXT        | Keys on the keyboard, for example, F2 or ENTER.  |

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## Enterprise Services for SAP SRM



## Customer Invoice Processing

### Technical Data

|                    |                            |
|--------------------|----------------------------|
| Entity Type        | Process component          |
| Software Component | SRM SERVICE ENABLEMENT 5.5 |

### Definition

A process component that handles invoicing of a customer for the delivery of goods or provision of services.

### Use

The *Customer Invoice Processing* process component handles the exchange of invoices and invoice confirmations between an invoicing party (that is, a supplier) and an invoice recipient (that is, a buying organization) in a B2B process.

The process component *Customer Invoice Processing* interacts with the process component *Supplier Invoice Processing*.

### Notes for SAP Back-End System Administration

#### Prerequisites

Before you can use the *Customer Invoice Processing* process component, you must have:

- Installed SAP SRM Server 5.5 SP04.
- Additionally installed the SRM Service Enablement 5.5 add-on as described in SAP Add-On Installation Note 953584.
- Performed the configuration steps necessary to enable enterprise SOA services. You have to:
  - Enable SAP NetWeaver Exchange Infrastructure for your SRM Server system.  
To do so, use the IMG activity *Enable Use of Exchange Infrastructure*.
  - Switch from the standard XML protocol XISAPXML1 to the XML protocol for SRM Service Enablement ESASAPXML1.  
To do so, use Business Add-In BBP\_EBP\_XML\_OUT\_BADI.
- Performed the configuration steps necessary for the SRM scenario *Service Procurement*. For more information, see the configuration information in the Solution Manager.



## Customer Invoice

### Technical Data

|                    |                            |
|--------------------|----------------------------|
| Entity Type        | Business object            |
| Software Component | SRM SERVICE ENABLEMENT 5.5 |

### Definition

A binding statement of amounts receivable resulting, for example, from deliveries to a customer or services provided to a customer.

### Use

A customer invoice comprises data about invoices sent to a customer (such as involved parties, locations, product, pricing and tax information). It is used to exchange billing information between a procurement system and a sales and distribution system.

If an invoice reference exists, the invoice can be clearly assigned to a specific business transaction. The system then uses the “knowledge” it already has and proposes appropriate values during invoice verification. These values might refer to, for example:

- Agreed terms of payment
- Quantities to be invoiced
- Amounts expected for each item

If the supplier invoice contains different information, you can overwrite the proposed data. The system checks whether your entries are allowed and issues a warning or error message if anything is incorrect.



## Invoicing In

### Technical Data

|                    |                            |
|--------------------|----------------------------|
| Entity Type        | Service interface          |
| Software Component | SRM SERVICE ENABLEMENT 5.5 |
| Category           | Inbound                    |
| Mode               | Asynchronous               |

### Definition

The inbound service interface *Invoicing In* contains an operation that updates the status of the customer invoice based on the invoice confirmation received.

### Use

This service interface is used to accept the confirmation of a legally binding notification of payables or receivables for delivered goods or rendered services.

### Integration

The inbound service interface Invoicing In belongs to the process component [Customer Invoice Processing \[Seite 6\]](#) and to the business object [Customer Invoice \[Seite 7\]](#).

## Structure

The inbound service interface *Invoicing In* contains the [Change Customer Invoice based on Invoice Confirmation \[Seite 8\]](#) inbound operation.



## Change Customer Invoice Based on Invoice Confirmation

### Technical Data

|   |                                 |
|---|---------------------------------|
| Entity Type   | Service operation               |
| Technical Name in the Enterprise Service Repository (ESR) | InvoiceConfirmation_In          |
| Namespace in ESR  | http://sap.com/xi/SRM/SE/Global |
| Software Component Version in ESR                         | SRM SERVICE ENABLEMENT 5.5      |
| Category  | Inbound                         |
| Mode  | Asynchronous                    |
| Related Web Service Definition                            | Not applicable                  |

### Definition

Update the status of the customer invoice in the supplier system with the information from the invoice confirmation received from the purchasing organization.

### Use

This service operation accepts the confirmation of a legally binding notification of payables or receivables for delivered goods or rendered services. Usually, this takes the form of a payment request for these goods or services.

### Features

This inbound service operation processes the message type InvoiceConfirmation.

### Integration

This inbound operation:

- Belongs to inbound service interface [Invoicing In \[Seite 7\]](#)
- Maps to the B2B interface InvoiceConfirmation

### Constraints

All monetary amounts and prices must be in the same currency within any given invoice.



## Invoicing Out

### Technical Data

|                    |                            |
|--------------------|----------------------------|
| Entity Type        | Service interface          |
| Software Component | SRM SERVICE ENABLEMENT 5.5 |
| Category           | Outbound                   |

|      |              |
|------|--------------|
| Mode | Asynchronous |
|------|--------------|

## Definition

The outbound service interface *Invoicing Out* contains an operation that generates a legal notification regarding receivables and payables resulting from goods delivered or services rendered. This notification is typically a request for the customer to pay for these goods or services.

## Use

This service interface is used to send a legally binding notification of payables or receivables for delivered goods or rendered services to the buying organization.

## Integration

The outbound service interface *Invoicing Out* belongs to process component [Customer Invoice Processing \[Seite 6\]](#) and to business object [Customer Invoice \[Seite 7\]](#).

## Structure

The outbound service interface includes the outbound operation [Notify Customer of Invoice \[Seite 9\]](#).



## Notify Customer of Invoice

### Technical Data

|   |                                 |
|---|---------------------------------|
| Entity Type   | Service operation               |
| Technical Name in the Enterprise Service Repository (ESR) | InvoiceRequest_Out              |
| Namespace in ESR  | http://sap.com/xi/SRM/SE/Global |
| Software Component Version in ESR                         | SRM SERVICE ENABLEMENT 5.5      |
| Category  | Outbound                        |
| Mode  | Asynchronous                    |
| Related Web Service Definition                            | Not applicable                  |

## Definition

Notify the customer that an invoice has been created in the supplier system for a specific purchase order and transfer the invoice information to the supplier.

## Use

This operation sends out a legally binding notification of payables or receivables for delivered goods or rendered services. Usually, this takes the form of a payment request for these goods or services.

## Features

This outbound operation processes the message type InvoiceRequest.

## Integration

This outbound service operation:

- Belongs to outbound service interface [Invoicing Out \[Seite 8\]](#)

- Maps to the B2B interface InvoiceRequest

## Constraints

All monetary amounts and prices must be in the same currency within any given invoice.



## Goods and Service Acknowledgement

### Technical Data

|                    |                            |
|--------------------|----------------------------|
| Entity Type        | Process component          |
| Software Component | SRM SERVICE ENABLEMENT 5.5 |

### Defintion

The *Goods and Service Acknowledgement* process component handles requests from the supplier to the buying organization for acknowledgement of services rendered or of the receipt of goods.

### Use

The *Goods and Service Acknowledgement* process component interacts with the process component *Goods and Service Confirmation* to handle requests from the supplier to the buying organization for acknowledgement of services provided by the supplier or receipt of goods that the supplier has delivered to the customer.

The supplier sends a service acknowledgement request to the buying organization. On receipt, the buying organization can use the *Confirm Goods and Service Acknowledgement* service operation to accept or reject the acknowledgement request or can assign it the status pending. If buyers reject a request, they will generally write free texts at header and item level in the goods and service confirmation informing the supplier about their change requests. If a purchaser rejects a goods and service acknowledgement, the supplier can send a new goods and service acknowledgement.

The *Goods and Service Acknowledgement* process component sends the relevant data to the *Accounting* process component and to the *Supplier Invoice Processing* process component

## Notes for SAP Back-End System Administration

### Prerequisites

Before you can use the process component *Goods and Service Acknowledgement*, you must have done the following:

- Installed SAP SRM Server 5.5 SP04.
- Additionally installed the SRM Service Enablement 5.5 add-on as described in SAP Add-On Installation Note 953584.
- Performed the configuration steps necessary to enable enterprise SOA services. You have to:
  - Enable SAP NetWeaver Exchange Infrastructure for your SRM Server system.  
To do so, use the IMG activity *Enable Use of Exchange Infrastructure*.
  - Switch from the standard XML protocol XISAPXML1 to the XML protocol for SRM Service Enablement ESASAPXML1.  
To do so, use Business Add-In BBP\_EBP\_XML\_OUT\_BADI.

- Performed the configuration steps necessary for the SRM scenario *Service Procurement*. For more information, see the configuration information in the Solution Manager.



## Goods and Service Acknowledgement

### Technical Data

|                    |                            |
|--------------------|----------------------------|
| Entity Type        | Business object            |
| Software Component | SRM SERVICE ENABLEMENT 5.5 |

### Definition

A report about the receipt of goods and services.

### Use

The *Goods and Service Acknowledgement* business object is used to confirm the delivery of goods or the provision of services ordered using the *Purchase Order* business object.

Since goods and service acknowledgements are always created with reference to a purchase order, they are typically created after the goods ordered in a purchase order have been delivered or the services ordered have been rendered.

Goods and service acknowledgements can be created by employees, who confirm the fulfilment of their requirements, or by purchasers or other designated recipients, who confirm the receipt of goods and the provision of services ordered on behalf of other employees.

The *Goods and Service Acknowledgement* business object is linked to the business object *Purchaser Order*. The *Goods and Service Acknowledgement* business object confirms the goods and services ordered using the *Purchase Order* business object.



## Acknowledgement In

### Technical Data

|                    |                            |
|--------------------|----------------------------|
| Entity Type        | Service interface          |
| Software Component | SRM SERVICE ENABLEMENT 5.5 |
| Category           | Inbound                    |
| Mode               | Asynchronous               |

### Definition

The inbound service interface *Acknowledgement In* contains a operation that creates a goods and service acknowledgement for delivered goods or services rendered.

### Use

This service interface is used to receive a request from a supplier for confirmation that an order has been fulfilled. This request starts the goods and service acknowledgement process.

### Integration

The inbound service interface *Acknowledgement In* belongs to process component [Goods and Service Acknowledgement \[Seite 10\]](#) and to business object [Goods and Service Acknowledgement \[Seite 11\]](#).

## Structure

This inbound service interface contains the [Create Goods and Service Acknowledgement \[Seite 12\]](#) inbound operation.



## Create Goods and Service Acknowledgement

### Technical Data

|   |                                  |
|---|----------------------------------|
| Entity Type   | Service operation                |
| Technical Name in Enterprise Service Repository (ESR) | ServiceAcknowledgementRequest_In |
| Namespace in ESR                                      | http://sap.com/xi/SRM/SE/Global  |
| Software Component Version                            | SRM SERVICE ENABLEMENT 5.5       |
| Category  | Inbound                          |
| Mode  | Asynchronous                     |
| Related Web Service Definition                        | Not applicable                   |

### Definition

Create a goods and service acknowledgement based on information received from the supplier.

### Use

The *Create Goods and Service Acknowledgement* inbound operation receives a request from the supplier for confirmation that the ordered goods have been delivered or services rendered. This request starts the goods and service acknowledgement process.

### Features

This inbound operation:

- Processes the message type ServiceAcknowledgementRequest
- Maps to the B2B interface ServiceAcknowledgementRequest

### Integration

This inbound operation belongs to the inbound service interface [Acknowledgement In \[Seite 11\]](#).



## Acknowledgement Out

### Technical Data

|                    |                            |
|--------------------|----------------------------|
| Entity Type        | Service interface          |
| Software Component | SRM SERVICE ENABLEMENT 5.5 |
| Category           | Outbound                   |
| Mode               | Asynchronous               |

## Definition

The outbound service interface *Acknowledgement Out* contains an operation that confirms (accepts or rejects) a service acknowledgement request from a supplier.

## Use

This service interface is used to inform the supplier about the confirmation status (accepted or rejected) of a goods and service acknowledgement.

## Integration

The outbound service interface *Acknowledgement Out* belongs to process component [Goods and Service Acknowledgement \[Seite 10\]](#) and to business object [Goods and Service Acknowledgement \[Seite 11\]](#).

## Structure

This outbound service interface contains the [Confirm Goods and Service Acknowledgement \[Seite 13\]](#) outbound operation.



## Confirm Goods and Service Acknowledgement

### Technical Data

|   |  |
|---|--|
| Entity Type   | Service operation                      |
| Technical Name in Enterprise Service Repository (ESR) | ServiceAcknowledgementConfirmation_Out |
| Namespace in ESR                                      | http://sap.com/xi/SRM/SE/Global        |
| Software Component Version                            | SRM SERVICE ENABLEMENT 5.5             |
| Category  | Outbound                               |
| Mode  | Asynchronous                           |
| Related Web Service Definition                        | Not applicable                         |

## Definition

Informs the supplier about the confirmation status (accepted or rejected) of a goods and service acknowledgement.

## Use

The *Confirm Goods and Service Acknowledgement* outbound operation sends a message from the procurement system to the supplier's sales and distribution system, informing the supplier about the confirmation status of a goods and service acknowledgement. The buyer can either accept or reject the acknowledgement or can assign it the temporary status *pending*.

If a buyer rejects a goods and service acknowledgement, the supplier can send a new goods and service acknowledgement. If the supplier does not receive a response from the buyer, the acknowledgement is considered to have been accepted.

## Features

The outbound operation:

- Processes the message type ServiceAcknowledgementConfirmation
- Maps to the B2B interface ServiceAcknowledgementConfirmation

## Integration

This outbound operation belongs to the outbound service interface [Acknowledgement Out \[Seite 12\]](#).



## Goods and Service Confirmation

### Technical Data

|                    |                            |
|--------------------|----------------------------|
| Entity Type        | Process component          |
| Software Component | SRM SERVICE ENABLEMENT 5.5 |

### Definition

A process component that covers the confirmation of goods received or services rendered.

### Use

The *Goods and Service Confirmation* process component interacts with the process component *Goods and Service Acknowledgement* to handle requests from the supplier to the buying organization for acknowledgement of services provided by the supplier or receipt of goods that the supplier has delivered to the customer.

The supplier sends a service acknowledgement request to the buying organization. On receipt, the buying organization can use the *Confirm Goods and Service Acknowledgement* service operation to accept or reject the acknowledgement request or can assign it the status pending. If buyers reject a request, they will generally write free texts at header and item level in the goods and service confirmation informing the supplier about their change requests. If a purchaser rejects a goods and service acknowledgement, the supplier can send a new goods and service acknowledgement.

## Notes for SAP Back-End System Administration

### Prerequisites

Before you can use the process component *Goods and Service Confirmation*, you must have done the following:

- Installed SAP SRM Server 5.5 SP04.
- Additionally installed the SRM Service Enablement 5.5 add-on as described in SAP Add-On Installation Note 953584.
- Performed the configuration steps necessary to enable enterprise SOA services. You have to:
  - Enable SAP NetWeaver Exchange Infrastructure for your SRM Server system. To do so, use the IMG activity *Enable Use of Exchange Infrastructure*.
  - Switch from the standard XML protocol XISAPXML1 to the XML protocol for SRM Service Enablement ESASAPXML1. To do so, use Business Add-In BBP\_EBP\_XML\_OUT\_BADI.

- Performed the configuration steps necessary for the SRM scenario *Service Procurement*. For more information, see the configuration information in the Solution Manager.



## Goods and Service Confirmation

### Technical Data

|                    |                            |
|--------------------|----------------------------|
| Entity Type        | Business object            |
| Software Component | SRM SERVICE ENABLEMENT 5.5 |

### Definition

A document confirming the delivery of goods or the provision of services. In the case of services, it comprises a record of services and spare parts that a service technician reports back after performing a service for a customer.

### Use

The business object *Goods and Service Confirmation* provides the functions needed for:

- Service agents to report back actual working times required for a service and spare parts used for the service. These particulars are used as a basis for processing customer invoices, updating stock levels for spare parts, carrying out cost accounting, and keeping track of working times.
- Suppliers to confirm the delivery of goods and then display and process these confirmations.



## Confirmation In

### Technical Data

|                    |                            |
|--------------------|----------------------------|
| Entity Type        | Service interface          |
| Software Component | SRM SERVICE ENABLEMENT 5.5 |
| Category           | Inbound                    |
| Mode               | Asynchronous               |

### Definition

The inbound service interface *Confirmation In* updates the goods and service confirmation document in the supplier system based on the goods and service acknowledgement created by the purchaser.

### Use

This service interface is used to receive the confirmation or rejection of a goods and service acknowledgement request.

## Integration

The inbound service interface Confirmation In belongs to process component [Goods and Service Confirmation \[Seite 14\]](#) and to business object [Goods and Service Confirmation \[Seite 15\]](#).

## Structure

This inbound service interface contains the [Change Goods and Service Confirmation \[Seite 16\]](#) inbound operation.



## Change Goods and Service Confirmation

### Technical Data

|   |                                       |
|---|---------------------------------------|
| Entity Type   | Service operation                     |
| Technical Name in the Enterprise Service Repository (ESR) | ServiceAcknowledgementConfirmation_In |
| Namespace in ESR  | http://sap.com/xi/SRM/SE/Global       |
| Software Component Version in ESR                         | SRM SERVICE ENABLEMENT 5.5            |
| Category  | Inbound                               |
| Mode  | Asynchronous                          |
| Related Web Service Definition                            | Not applicable                        |

### Definition

Update the status of the goods and service confirmation in the supplier system with the information from the goods and service acknowledgement received from the purchasing organization.

### Use

This operation accepts the confirmation or rejection of a goods and service acknowledgement request and updates the underlying goods and service confirmation.

### Features

This inbound operation processes the message type ServiceAcknowledgementConfirmation

### Integration

This inbound operation:

- Belongs to the inbound service interface [Confirmation In \[Seite 15\]](#).
- Maps to the B2B interface ServiceAcknowledgementConfirmation



## Confirmation Out

### Technical Data

|                    |                            |
|--------------------|----------------------------|
| Entity Type        | Service interface          |
| Software Component | SRM SERVICE ENABLEMENT 5.5 |
| Category           | Outbound                   |
| Mode               | Asynchronous               |

### Definition

The outbound service interface *Confirmation Out* contains an operation in which the supplier asks the purchaser to acknowledge the receipt of goods or the provision of services.

### Use

This service interface is used to start the goods and service acknowledgement process.

### Integration

The outbound service interface *Confirmation Out* belongs to process component [Goods and Service Confirmation \[Seite 14\]](#) and to business object [Goods and Service Confirmation \[Seite 15\]](#).

### Structure

This outbound service interface contains the outbound operation [Request Goods and Service Acknowledgement \[Seite 17\]](#).



## Request Goods and Service Acknowledgement

### Technical Data

|   |                                   |
|---|-----------------------------------|
| Entity Type   | Service operation                 |
| Technical Name in Enterprise Service Repository (ESR) | ServiceAcknowledgementRequest_Out |
| Namespace in ESR                                      | http://sap.com/xi/SRM/SE/Global   |
| Software Component Version in ESR                     | SRM SERVICE ENABLEMENT 5.5        |
| Category  | Outbound                          |
| Mode  | Asynchronous                      |
| Related Web Service Definition                        | Not applicable                    |

### Definition

A request from the supplier asking the buyer to acknowledge receipt of goods or provision of services.

### Use

This request starts the goods and service acknowledgement process. If a buyer rejects a goods and service acknowledgement, the supplier can send a new acknowledgement

request. If the supplier does not receive a response from the buyer, the acknowledgement is considered to have been accepted.

## Features

This outbound operation processes the message type `ServiceAcknowledgementRequest`

## Integration

This outbound operation:

- Belongs to outbound service interface [Confirmation Out \[Seite 17\]](#)
- Maps to the B2B interface `ServiceAcknowledgementRequest`



## Purchase Order Processing

### Technical Data

|                    |                            |
|--------------------|----------------------------|
| Entity Type        | Process component          |
| Software Component | SRM SERVICE ENABLEMENT 5.5 |

### Definition

A process component that covers the creation, updating, and confirmation of purchase orders. A purchaser creates or changes a purchase order and sends it to a supplier. The supplier replies with a purchase order confirmation stating whether or not the purchase order can be fulfilled. The purchase order is updated accordingly.

### Use

The *Purchase Order Processing* process component provides buyers with the functions they need for creating, changing, tracking, and updating a purchase order, one of the most central documents within the purchasing process. It also enables suppliers to reply to a purchase order with a purchase order confirmation.

The buyer can either manually create a new purchase order or use the system to automatically create one from a preceding purchasing document or documents. Purchase orders are created based on a purchase request from the *Purchase Request Processing* process component. The *Purchase Order Processing* process component enables changes to be made to the purchase order and sends notifications of updates to other affected documents.

If required by the buying organization, the supplier can reply to the purchase order and confirm whether the ordered quantity of goods or services can be delivered at the time and price requested. The system updates the purchase order accordingly and allows the buyer to respond to the purchase order confirmation if necessary.

Within the *Purchasing* deployment unit, the *Purchase Order Processing* process component serves to update purchase requests in the *Purchase Request Processing* process component with any changed information. In the *Goods and Service Acknowledgement* process component, it enables creation of a goods and service acknowledgement document from which the purchase order is automatically updated with delivered quantities or net amounts.

Outside of the *Purchasing* deployment unit, the process component communicates with other process components involved in the purchasing process, that is, *External Procurement Trigger and Response* and *Supplier Invoice Processing*.

## Notes for SAP Back-End System Administration

### Prerequisites

Before you can use the process component *Purchase Order Processing*, you must have done the following:

- Installed SAP SRM Server 5.5 SP04.
- Additionally installed the SRM Service Enablement 5.5 add-on as described in SAP Add-On Installation Note 953584.
- Performed the configuration steps necessary to enable enterprise SOA services. You have to:
  - Enable SAP NetWeaver Exchange Infrastructure for your SRM Server system.  
To do so, use the IMG activity *Enable Use of Exchange Infrastructure*.
  - Switch from the standard XML protocol XISAPXML1 to the XML protocol for SRM Service Enablement ESASAPXML1.  
To do so, use Business Add-In BBP\_EBP\_XML\_OUT\_BADI.
- Performed the configuration steps necessary for the SRM scenario *Service Procurement*. For more information, see the configuration information in the Solution Manager.



### Purchase Order

#### Technical Data

|                    |                            |
|--------------------|----------------------------|
| Entity Type        | Business object            |
| Software Component | SRM SERVICE ENABLEMENT 5.5 |

#### Definition

A request from a purchaser to an external supplier to deliver a specified quantity of goods, or perform a specified service, at a specified price within a specified time.

#### Use

Purchase orders can be created manually by a purchaser, or automatically by the system as follow-on documents to purchase requests. Independently of how a purchase order is created, the purchaser can save it in an incomplete state so that it can be processed or sent off at a later point in time, once all of the requisite data has been added. Purchase orders can be sent to the supplier in the form of an XML file, as a fax, an e-mail, or a print-out.

Purchase orders contain header data and item data and specify the quantity, time, and conditions under which the supplier is required to deliver the goods or provide a service to the requester.



### Ordering Out

#### Technical Data

|             |                                 |
|-------------|---------------------------------|
| Entity Type | Service interface               |
| Namespace   | http://sap.com/xi/SRM/SE/Global |

|                            |                            |
|----------------------------|----------------------------|
| Software Component Version | SRM SERVICE ENABLEMENT 5.5 |
| Category                   | Outbound                   |
| Mode                       | Asynchronous               |

## Definition

The outbound service interface *Ordering Out* is a grouping of operations that inform *Sales Order Processing* at the supplier about the creation, change, or cancellation of a purchase order.

## Use

This service interface is used to inform the supplier about new, changed or cancelled purchaser orders. When changes are made to a purchase order, only information relevant to the supplier is passed on (for example, changes relating to goods, services, or prices).

## Integration

The outbound service interface *Ordering Out* belongs to process component [Purchase Order Processing \[Seite 18\]](#) and to business object [Purchase Order \[Seite 19\]](#).

## Structure

This outbound service interface groups the following outbound operations:

- [Request Purchase Order Creation \[Seite 20\]](#)
- [Request Purchase Order Cancellation \[Seite 21\]](#)
- [Request Purchase Order Change \[Seite 21\]](#)



## Request Purchase Order Creation

### Technical Data

|   |                                 |
|---|---------------------------------|
| Entity Type   | Service operation               |
| Technical Name in Enterprise Service Repository (ESR) | PurchaseOrderRequest_Out        |
| Namespace in ESR                                      | http://sap.com/xi/SRM/SE/Global |
| Software Component Version                            | SRM SERVICE ENABLEMENT 5.5      |
| Category  | Outbound                        |
| Mode  | Asynchronous                    |
| Related Web Service Definition                        | Not applicable                  |

## Definition

A request for delivery of goods or provision of services sent by the purchaser to the supplier.

## Use

The *Request Purchase Order Creation* outbound operation transfers an initially created purchase order to the external process component *Sales Order Processing* in the supplier's system.

## Features

This outbound service operation processes the message type `PurchaseOrderRequest`.

## Integration

This outbound service operation:

- Belongs to outbound service interface [Ordering Out \[Seite 19\]](#)
- Maps to B2B interface `PurchaseOrderRequest`



## Request Purchase Order Cancellation

|   |   |
|---|---|
| Entity Type   | Service operation                                 |
| Technical Name in Enterprise Service Repository (ESR) | <code>PurchaseOrderCancellationRequest_Out</code> |
| Namespace in ESR                                      | <code>http://sap.com/xi/SRM/SE/Global</code>      |
| Software Component Version                            | SRM SERVICE ENABLEMENT 5.5                        |
| Category  | Outbound  |
| Mode  | Asynchronous                                      |
| Related Web Service Definition                        | Not applicable                                    |

## Definition

Cancellation of the request for delivery of goods or provision of services sent by the purchaser to the supplier.

## Use

The *Request Purchase Order Cancellation* outbound service operation informs the external Process Component *Sales Order Processing* in the supplier's system that a previously sent purchase order is no longer valid and has been cancelled.

## Features

The outbound service operation processes the following message type `PurchaseOrderCancellationRequest`.

## Integration

This outbound service operation:

- Belongs to outbound service interface [Ordering Out \[Seite 19\]](#)
- Maps to B2B interface `PurchaseOrderCancellationRequest`



## Request Purchase Order Change

### Technical Data

|             |                   |
|-------------|-------------------|
| Entity Type | Service operation |
|-------------|-------------------|

|   |                                 |
|---|---------------------------------|
| Technical Name in Enterprise Service Repository (ESR) | PurchaseOrderChangeRequest_Out  |
| Namespace in ESR                                      | http://sap.com/xi/SRM/SE/Global |
| Software Component Version                            | SRM SERVICE ENABLEMENT 5.5      |
| Category  | Outbound                        |
| Mode  | Asynchronous                    |
| Related Web Service Definition                        | Not applicable                  |

## Definition

A change made to the request for delivery of goods or provision of services sent by the purchaser to the supplier.

## Use

The *Request Purchase Order Change* outbound service operation transfers a changed purchase order to the *Sales Order Processing* process component in the supplier's system.

## Features

The outbound service operation processes the message type `PurchaseOrderChangeRequest`.

## Integration

The outbound service operation:

- Belongs to outbound service interface [Ordering Out \[Seite 19\]](#)
- Maps to B2B interface `PurchaseOrderChangeRequest`



## Purchase Order Confirmation

### Technical Data

|                    |                            |
|--------------------|----------------------------|
| Entity Type        | Business object            |
| Software Component | SRM SERVICE ENABLEMENT 5.5 |

## Definition

A confirmation from an external supplier of the request of a purchaser to deliver a specified quantity of goods, or perform a specified service, at a specified price within a specified time.

## Use

The *Purchase Order Confirmation* business object allows suppliers to respond to a purchase order. There are two ways of creating a purchase order confirmation:

- It can be created in the supplier system and then sent as an XML file to the purchasing system.

- It can be created manually in the purchasing system after the supplier has communicated the confirmation details by fax, e-mail, regular post or telephone. In this case, the purchase order serves as a template for creating the purchase order confirmation.

Once the purchase order confirmation has been created and saved, the system compares it to the corresponding purchase order in order to verify whether there are any deviations. If there are, the system checks the following:

- Has the supplier indicated that there are no more open items and that this is the final response?
- Are the deviations within the tolerances defined in the configuration settings?

If the answer to both questions is yes, the system automatically transfers the following data from the purchase order confirmation to the purchase order:

- Price
- Quantity
- Delivery date
- Service performer.

If the purchase order confirmation is the final response and the deviations are not within the tolerance limits, the purchase order confirmation has to go through an approval process. In this case, the buyer is notified and has to decide whether to accept the deviations. Changes can be approved for the whole purchase order confirmation or for individual items. Once all the deviations have been dealt with, the purchase order is updated.



## Ordering In

### Technical Data

|                    |                                 |
|--------------------|---------------------------------|
| Entity Type        | Service interface               |
| Namespace          | http://sap.com/xi/SRM/SE/Global |
| Software Component | SRM Service Enablement 5.5      |
| Category           | Inbound                         |
| Mode               | Asynchronous                    |

### Definition

The inbound service interface *Ordering In* contains an operation that creates a purchase order confirmation.

### Use

This service interface can be used to create a purchase order confirmation based on acceptance or rejection of the request for delivery of goods or provision of services, or on changes to the requested goods or services proposed by the supplier.

### Integration

The inbound service interface *Ordering In* belongs to process component [Purchase Order Processing \[Seite 18\]](#) and business object [Purchase Order Confirmation \[Seite 22\]](#).

## Structure

This inbound service interface contains the [Create Purchase Order Confirmation \[Seite 24\]](#) inbound operation.



## Create Purchase Order Confirmation

### Technical Data

|   |                                 |
|---|---------------------------------|
| Entity Type   | Service operation               |
| Technical Name in Enterprise Service Repository (ESR) | PurchaseOrderConfirmation_In    |
| Namespace in ESR                                      | http://sap.com/xi/SRM/SE/Global |
| Software Component Version                            | SRM SERVICE ENABLEMENT 5.5      |
| Category  | Inbound                         |
| Mode  | Asynchronous                    |
| Related Web Service Definition                        | Not applicable                  |

### Definition

Confirm a purchase order. The confirmation is sent by the supplier to the purchaser.

### Use

The *Create Purchase Order Confirmation* inbound service operation transfers information about the response of a supplier to a purchase from the buying organization requesting delivery of goods or provision of services. The response can be a confirmation or partial confirmation of a purchase order or can request changes to the purchase order and takes the form of a purchase order confirmation.

### Features

This inbound service operation processes the message type PurchaseOrderConfirmation.

### Integration

This inbound service operation:

- Belongs to the inbound service interface [Ordering In \[Seite 23\]](#)
- Maps to the B2B interface PurchaseOrderConfirmation

### Error Handling

Forward processing is used to resolve business errors. Every formally correct incoming confirmation message is accepted.

To avoid endless message loops, a procurement system is not permitted to reject a PurchaseOrderConfirmation automatically, using a PurchaseOrderChangeRequest, or it must provide other suitable mechanisms to avoid endless loops (by restricting automatic rejections to a maximum of one after the other, for example).



## Purchase Request Processing

### Technical Data

|                    |                            |
|--------------------|----------------------------|
| Entity Type        | Process component          |
| Software Component | SRM SERVICE ENABLEMENT 5.5 |

### Definition

A process component that covers the creation, changing, and maintenance of purchase requests to locate appropriate sources of supply for requirements from various process components.

### Use

The *Purchase Request Processing* process component provides purchasers with the functions they need to handle requests to purchase goods or services. These could be external requirements from SAP or non-SAP planning and execution systems or internal requests from employees within the company.

Once the purchaser has located an appropriate source of supply for the requirements, the individual processing steps of the process component ensure the creation of a complete purchase order in the *Purchase Order Processing* process component.

The purchase requests can then be updated with information from the *Purchaser Order Processing* process component about the extent to which the purchase request can be fulfilled.

## Notes for SAP Back-End System Administration

### Prerequisites

Before you can use the process component *Purchase Request Processing*, you must have done the following:

- Installed SAP SRM Server 5.5 SP04.
- Additionally installed the SRM Service Enablement 5.5 add-on as described in SAP Add-On Installation Note 953584.
- Performed the configuration steps necessary to enable enterprise SOA services. You have to:
  - Enable SAP NetWeaver Exchange Infrastructure for your SRM Server system. To do so, use the IMG activity *Enable Use of Exchange Infrastructure*.
  - Switch from the standard XML protocol XISAPXML1 to the XML protocol for SRM Service Enablement ESASAPXML1. To do so, use Business Add-In BBP\_EBP\_XML\_OUT\_BADI.
- Performed the configuration steps necessary for the SRM scenario *Service Procurement*. For more information, see the configuration information in the Solution Manager.



## Purchase Request

### Technical Data

|                    |                            |
|--------------------|----------------------------|
| Entity Type        | Business object            |
| Software Component | SRM SERVICE ENABLEMENT 5.5 |

### Definition

A request or instruction to the purchasing department to purchase specified goods or services in specified quantities within a specified time.

### Use

The *Purchase Request* business object provides purchasers with the functions they need to locate sources of supply for goods or service requirements originating either externally from a connected planning system, for example, or internally from within the procurement system.

Processing of a purchase request normally leads to creation of a purchase order. A purchasing contract is also a potential follow-on document for establishing a long-term relationship with a supplier or service provider.

A complete and consistent purchase request ensures a smooth purchasing process. In addition, by bundling items from different purchase requests into a single purchase order, the procurement process can be optimized with respect to price and processing costs.



## Purchasing In

### Technical Data

|                    |                                 |
|--------------------|---------------------------------|
| Entity Type        | Service interface               |
| Namespace          | http://sap.com/xi/SRM/SE/Global |
| Software Component | SRM SERVICE ENABLEMENT 5.5      |
| Category           | Inbound                         |
| Mode               | Asynchronous                    |

### Definition

The inbound service interface *Purchasing In* contains an operation that creates or updates a purchase request from a requester.

### Use

You use this inbound service interface to create or change requests to a purchaser to procure goods or services.

### Integration

The *Purchasing In* inbound service interface belongs to the [Purchase Request Processing \[Seite 25\]](#) process component and to the [Purchase Request \[Seite 26\]](#) business object.

## Structure

This inbound service interface includes the message interface [Maintain Purchase Request \[Seite 27\]](#).



## Maintain Purchase Request

### Technical Data

|   |                                 |
|---|---------------------------------|
| Entity Type   | Service operation               |
| Technical Name in Enterprise Service Repository (ESR) | PurchaseRequestRequest_In       |
| Namespace in ESR                                      | http://sap.com/xi/SRM/SE/Global |
| Software Component Version in ESR                     | SRM SERVICE ENABLEMENT 5.5      |
| Category  | Inbound                         |
| Mode  | Asynchronous                    |
| Related Web Service Definition                        | Not applicable                  |

### Definition

Create or change a request to procure materials or services. The request is sent by a requester to a purchaser.

### Use

The inbound operation *Maintain Purchase Request* is used to start a new request process. The operation is triggered by a request planner in the Procure-To-Stock scenario or by a planning or request system and creates or changes a purchase request in the procurement system. The procurement system accepts all changes made to a requisition (except technical errors).

### Features

- Either only the ID or the ID and address can be transferred for each party.
  - If only the ID is transferred, the ID address defined in the master data is used.
  - If the ID and address are transferred, the ID identifies the party and the address is deemed to be a document address that is different to the master data address.

Where possible, the ID and address should be sent to avoid misunderstandings. The receiving application should implement a suitable optimization strategy to prevent many identical document addresses from being created.

- Default logic is used for all parties: from the header to the items and within item hierarchies. Parties specified in the header are valid for all the items for which a corresponding party is not explicitly transferred and that are directly assigned to the header. In accordance with the same logic, parties transferred at item level are used for all subitems assigned to the relevant item in an item hierarchy. The default logic applies for the party as a whole, including the contact person. Parts of a party specified at header level or for a hierarchy item cannot be specified in more detail at item level. The default logic is only a simplified version of the transferred message. As regards

logic, parties at header level and for hierarchy items behave as if they have been explicitly transferred for all the subitems of the message.

- This inbound operation processes message type PurchaseRequestRequest.

## Integration

This inbound operation:

- Belongs to inbound service interface [Purchasing In \[Seite 26\]](#)
- Maps to the B2B interface PurchaseRequestRequest



## Purchasing Out

### Technical Data

|                    |                                 |
|--------------------|---------------------------------|
| Entity Type        | Service interface               |
| Namespace          | http://sap.com/xi/SRM/SE/Global |
| Software Component | SRM SERVICE ENABLEMENT 5.5      |
| Category           | Outbound                        |
| Mode               | Asynchronous                    |

### Definition

The outbound service interface *Purchasing Out* contains an operation that confirms to the requester the creation, change or cancellation of a purchase request.

### Use

You use this outbound service interface for creating, changing or canceling purchase requests.

### Integration

The *Purchasing Out* outbound service interface belongs to the [Purchase Request Processing \[Seite 25\]](#) process component and to the [Purchase Request \[Seite 26\]](#) business object.

### Structure

This outbound service interface contains the [Confirm Purchase Request \[Seite 28\]](#) outbound operation.



## Confirm Purchase Request

### Technical Data

|   |                                 |
|---|---------------------------------|
| Entity Type   | Service operation               |
| Technical Name in Enterprise Service Repository (ESR) | PurchaseRequestConfirmation_Out |
| Namespace in ESR                                      | http://sap.com/xi/SRM/SE/Global |
| Software Component Version                            | SRM SERVICE ENABLEMENT 5.5      |
| Category  | Outbound                        |

|                                |                |
|--------------------------------|----------------|
| Mode                           | Asynchronous   |
| Related Web Service Definition | Not applicable |

## Definition

Inform the requester of the extent to which a requirement can be fulfilled. The confirmation is sent by the purchaser to the requester.

## Use

A purchaser uses this operation to inform the requester of the extent to which a requisition can be fulfilled. It can be used to provide both positive and negative status information.

## Features

- Either only the ID or the ID and address can be transferred for each party.
  - If only the ID is transferred, the ID address defined in the master data is used.
  - If the ID and address are transferred, the ID identifies the party and the address is deemed to be a document address that is different to the master data address.

Where possible, the ID and address should be sent to avoid misunderstandings. The receiving application should implement a suitable optimization strategy to prevent many identical document addresses from being created.

- Default logic is used for all parties: from the header to the items and within item hierarchies. Parties specified in the header are valid for all the items for which a corresponding party is not explicitly transferred and that are directly assigned to the header. In accordance with the same logic, parties transferred at item level are used for all subitems assigned to the relevant item in an item hierarchy. The default logic applies for the party as a whole, including the contact person. Parts of a party specified at header level or for a hierarchy item cannot be specified in more detail at item level. The default logic is only a simplified version of the transferred message. As regards logic, parties at header level and for hierarchy items behave as if they have been explicitly transferred for all the subitems of the message.
- This outbound operation processes the message type PurchaseRequestConfirmation.

## Integration

This outbound operation:

- Belongs to service interface [Purchasing Out \[Seite 28\]](#)
- Maps to B2B interface PurchaseRequestConfirmation



## Sales Order Processing

### Technical Data

|                    |                            |
|--------------------|----------------------------|
| Entity Type        | Process component          |
| Software Component | SRM SERVICE ENABLEMENT 5.5 |

## Definition

A process component that handles the processing of customers' requests to suppliers or service providers for the delivery of goods, or the provision of services at a specific time.

## Use

The *Sales Order Processing* process component provides suppliers with the functions they need to handle sales orders, that is, to create, update, or cancel sales orders based on information they receive from the buying organization.

A supplier receives a request for delivery of goods or provision of services from a buying organization. A sales order is created and the supplier sends the buyer a confirmation, providing information about the extent to which the requirement can be fulfilled.

## Notes for SAP Back-End System Administration

### Prerequisites

Before you can use the process component *Sales Order Processing*, you must have done the following:

- Installed SAP SRM Server 5.5 SP04.
- Additionally installed the SRM Service Enablement 5.5 add-on as described in SAP Add-On Installation Note 953584.
- Performed the configuration steps necessary to enable enterprise SOA services. You have to:
  - Enable SAP NetWeaver Exchange Infrastructure for your SRM Server system. To do so, use the IMG activity *Enable Use of Exchange Infrastructure*.
  - Switch from the standard XML protocol XISAPXML1 to the XML protocol for SRM Service Enablement ESASAPXML1. To do so, use Business Add-In BBP\_EBP\_XML\_OUT\_BADI.
- Performed the configuration steps necessary for the SRM scenario *Service Procurement*. For more information, see the configuration information in the Solution Manager.



## Sales Order

### Technical Data

|                    |                            |
|--------------------|----------------------------|
| Entity Type        | Business object            |
| Software Component | SRM SERVICE ENABLEMENT 5.5 |

### Definition

A customer request to the company for delivery of goods or services at a certain time. The request is received by a sales area, that is then responsible for fulfilling the contract.

### Use

The *Sales Order* business object covers functions that suppliers need to process orders for goods or services received from a buying organization. These include:

- Creating sales orders on the basis of a purchase order merged with data from master data and from Customizing
- Changing sales orders when customers have sent changes

- Cancelling sales orders when customers send cancellations
- Sending the customer a confirmation, a partial confirmation or a change with respect to the delivery of goods or the provision of services
- Triggering invoicing for the sales order



## Ordering In

### Technical Data

|                    |                            |
|--------------------|----------------------------|
| Entity Type        | Service interface          |
| Software Component | SRM SERVICE ENABLEMENT 5.5 |
| Category           | Inbound                    |
| Mode               | Asynchronous               |

### Definition

The inbound service interface *Ordering In* is a grouping of operations that processes requests from a buyer's procurement system for the delivery of goods or the provision of services.

### Use

The service interface is used to process new requests, changes to requests, and cancellation of requests.

### Integration

The inbound service interface *Ordering In* belongs to process component [Sales Order Processing \[Seite 29\]](#) and to business object [Sales Order \[Seite 30\]](#).

### Structure

This inbound service interface groups the following inbound operations:

- [Create Sales Order \[Seite 31\]](#)
- [Change Sales Order \[Seite 32\]](#)
- [Cancel Sales Order \[Seite 33\]](#)



## Create Sales Order

### Technical Data

|  |                                 |
|--|---------------------------------|
| Entity Type  | Service operation               |
| Technical Name in Enterprise Services Repository (ESR) | PurchaseOrderRequest_In         |
| Namespace in ESR                                       | http://sap.com/xi/SRM/SE/Global |
| Software Component Version in ESR                      | SRM SERVICE ENABLEMENT 5.5      |
| Category   | Inbound                         |
| Mode   | Asynchronous                    |
| Related Web Service Definition                         | Not applicable                  |

## Definition

Create a sales order based on a purchase order received from the buying organization.

## Use

The *Create Sales Order* inbound operation receives a request to deliver goods or provide services sent from a procurement system to the supplier's sales and distribution system.

## Features

This inbound operation processes the message type PurchaseOrderRequest.

## Error Handling

Forward processing is used to resolve business errors. All formally correct incoming purchase cancellation messages are accepted. Business problems must be resolved in the procurement system and transported to the sales and distribution system.

To make it possible to restart an ordering process that has been corrupted as a result of a failed messaging, the procurement system must provide an option for transferring the current status of the purchase order, together with all the associated data, invoking a *Change Sales Order* operation with the ItemCompleteTransmissionIndicator set to *true*.

## Integration

This inbound operation:

- Belongs to inbound service interface [Ordering In \[Seite 31\]](#)
- Maps to B2B interface PurchaseOrderRequest



## Change Sales Order

### Technical Data

|   |                                 |
|---|---------------------------------|
| Entity Type   | Service operation               |
| Technical Name in Enterprise Service Repository (ESR) | PurchaseOrderChangeRequest_In   |
| Namespace in ESR                                      | http://sap.com/xi/SRM/SE/Global |
| Software Component Version in ESR                     | SRM SERVICE ENABLEMENT 5.5      |
| Category  | Inbound                         |
| Mode  | Asynchronous                    |
| Related Web Service Definition                        | Not applicable                  |

## Definition

Change a sales order based on changes to a purchase order received from the buying organization.

## Use

The *Change Sales Order* inbound operation receives a request to change the preceding request for delivery of goods or provision of services sent from a procurement system to the supplier's sales and distribution system.

## Features

This inbound operation processes the message type `PurchaseOrderChangeRequest`.

## Error Handling

Forward processing is used to resolve business errors. All formally correct incoming purchase cancellation messages are accepted. Business problems must be resolved in the procurement system and transported to the sales and distribution system.

To make it possible to restart an ordering process that has been corrupted as a result of a failed messaging, the procurement system must provide an option for transferring the current status of the purchase order, together with all the associated data, invoking a *Change Sales Order* operation with the `ItemCompleteTransmissionIndicator` set to *true*.

## Integration

This inbound operation:

- Belongs to the inbound service interface [Ordering In \[Seite 31\]](#)
- Maps to B2B interface `PurchaseOrderChangeRequest`



## Cancel Sales Order

### Technical Data

|   |  |
|---|--|
| Entity Type   | Service operation                                |
| Technical Name in Enterprise Service Repository (ESR) | <code>PurchaseOrderCancellationRequest_In</code> |
| Namespace in ESR                                      | <code>http://sap.com/xi/SRM/SE/Global</code>     |
| Software Component Version in ESR                     | SRM SERVICE ENABLEMENT 5.5                       |
| Category  | Inbound  |
| Mode  | Asynchronous                                     |
| Related Web Service Definition                        | Not applicable                                   |

## Definition

Cancel a sales order based on a purchase order cancellation received from the buying organization.

## Use

The *Cancel Sales Order* inbound operation receives a cancellation request sent from a buyer's procurement system to the supplier's sales and distribution system to cancel a preceding request for delivery of goods or provision of services.

## Features

This inbound service operation processes the message type `PurchaseOrderCancellationRequest`.

## Error Handling

Forward processing is used to resolve business errors. All formally correct incoming purchase cancellation messages are accepted. Business problems must be resolved in the procurement system and transported to the sales and distribution system.

To make it possible to restart an ordering process that has been corrupted as a result of a failed messaging, the procurement system must provide an option for transferring the current status of the purchase order, together with all the associated data, invoking a *Change Sales Order* operation with the *ItemCompleteTransmissionIndicator* set to *true*.

## Integration

This inbound operation:

- Belongs to inbound service interface [Ordering In \[Seite 31\]](#)
- Maps to B2B interface *PurchaseOrderCancellationRequest*



## Ordering Out

### Technical Data

|                    |                            |
|--------------------|----------------------------|
| Entity Type        | Service interface          |
| Software Component | SRM SERVICE ENABLEMENT 5.5 |
| Category           | Outbound                   |
| Mode               | Asynchronous               |

### Definition

The outbound service interface *Ordering Out* contains an operation that transfers information about the confirmation status of a request for delivery of goods or provision of services.

### Use

This service interface is used to transfer a confirmation or partial confirmation of a request for delivery of goods or provision of services or a change to such a request. This confirmation is sent by the supplier to the buyer's procurement system.

### Integration

The outbound service interface *Ordering Out* belongs to process component [Sales Order Processing \[Seite 29\]](#) and to business object [Sales Order \[Seite 30\]](#).

### Structure

This outbound service interface contains the [Confirm Sales Order \[Seite 34\]](#) outbound operation.



## Confirm Sales Order

### Technical Data

|   |                                 |
|---|---------------------------------|
| Entity Type   | Service operation               |
| Technical Name in Enterprise Service Repository (ESR) | PurchaseOrderConfirmation_Out   |
| Namespace in ESR                                      | http://sap.com/xi/SRM/SE/Global |
| Software Component Version in ESR                     | SRM SERVICE ENABLEMENT 5.5      |
| Category  | Outbound                        |

|                                |                |
|--------------------------------|----------------|
| Mode                           | Asynchronous   |
| Related Web Service Definition | Not applicable |

## Definition

Confirm sales order to buying organization.

## Use

The *Confirm Sales Order* outbound operation transfers a confirmation, partial confirmation, or a change sent from the seller to the buyer concerning the requested delivery of goods or provision of services.

## Features

This outbound operation processes the message type PurchaseOrderConfirmation.

## Integration

This outbound operation:

- Belongs to service interface [Ordering Out \[Seite 34\]](#)
- Maps to B2B interface PurchaseOrderConfirmation

## Constraints

Within any given purchase order, all monetary amounts and prices must be in the same currency.



## Supplier Invoice Processing

### Technical Data

|                    |                            |
|--------------------|----------------------------|
| Entity Type        | Process Component          |
| Software Component | SRM SERVICE ENABLEMENT 5.5 |

## Definition

A process component that handles the invoice recipient's obligation to pay the supplier for goods received or services rendered.

## Use

The *Supplier Invoice Processing* process component handles the exchange of invoices and invoice confirmations between an invoicing party (that is, a supplier) and an invoice recipient (that is, a buying organization) in a B2B process.

## Notes for SAP Back-End Administration

### Prerequisites

Before you can use the process component *Supplier Invoice Processing*, you must have done the following:

- Installed SAP SRM Server 5.5 SP04.
- Additionally installed the SRM Service Enablement 5.5 add-on as described in SAP Add-On Installation Note 953584.

- Performed the configuration steps necessary to enable enterprise SOA services.

You have to:

- Enable SAP NetWeaver Exchange Infrastructure for your SRM Server system.  
To do so, use the IMG activity *Enable Use of Exchange Infrastructure*.
- Switch from the standard XML protocol XISAPXML1 to the XML protocol for SRM Service Enablement ESASAPXML1.  
To do so, use Business Add-In BBP\_EBP\_XML\_OUT\_BADI.
- Performed the configuration steps necessary for the SRM scenario *Service Procurement*. For more information, see the configuration information in the Solution Manager.



## Supplier Invoice

### Technical Data

|                    |                            |
|--------------------|----------------------------|
| Entity Type        | Business object            |
| Software Component | SRM SERVICE ENABLEMENT 5.5 |

### Definition

Document from an invoicing party containing the payments to be made based on business transactions performed in *Purchasing* and *Inventory Management*. An incoming invoice can be an invoice or a credit memo.

### Use

An invoice contains various information, such as:

- Issuer of the invoice
- Transaction the invoice refers to
- Tax to be paid



## Invoicing In

### Technical Data

|                    |                            |
|--------------------|----------------------------|
| Entity Type        | Service interface          |
| Software Component | SRM SERVICE ENABLEMENT 5.5 |
| Category           | Inbound                    |
| Mode               | Asynchronous               |

### Definition

The inbound service interface *Invoicing In* contains an operation that creates a supplier invoice on the basis of legally binding requests for payment from the supplier for goods delivered or services rendered.

## Use

This service interface is used to accept a legally binding notification of payables or receivables for delivered goods or services rendered. Usually, this takes the form of a payment request for these goods or services

## Integration

The inbound service interface *Invoicing In* belongs to process component [Supplier Invoice Processing \[Seite 35\]](#) and to business object [Supplier Invoice \[Seite 36\]](#).

## Structure

This inbound service interface contains the [Create Invoice \[Seite 37\]](#) inbound operation.



## Create Invoice

### Technical Data

|   |                                 |
|---|---------------------------------|
| Entity Type   | Service operation               |
| Technical Name in Enterprise Service Repository (ESR) | InvoiceRequest_In               |
| Namespace in ESR                                      | http://sap.com/xi/SRM/SE/Global |
| Software Component Version                            | SRM SERVICE ENABLEMENT 5.5      |
| Category  | Inbound                         |
| Mode  | Asynchronous                    |
| Related Web Service Definition                        | Not applicable                  |

### Defintion

Create supplier invoice based on information received from the supplier or other invoicing party.

### Use

The *Create Invoice* inbound operation accepts a legally binding notification of payables or receivables for delivered goods or services rendered. Usually, this takes the form of a payment request for these goods or services

### Features

This inbound operation processes the message type InvoiceRequest.

### Integration

This inbound operation:

- Belongs to the inbound service interface [Invoicing In \[Seite 36\]](#)
- Maps to B2B interface InvoiceRequest



## Invoicing Out

### Technical Data

|                    |                            |
|--------------------|----------------------------|
| Entity Type        | Service interface          |
| Software Component | SRM SERVICE ENABLEMENT 5.5 |
| Category           | Outbound                   |
| Mode               | Asynchronous               |

### Definition

The outbound service interface *Invoicing Out* contains an operation that informs the supplier or other invoicing party about the acceptance status of a supplier invoice.

### Use

This service interface is used to inform the supplier whether an invoice has been accepted or rejected, depending on the outcome of invoice verification.

### Integration

The outbound service interface *Invoicing Out* belongs to process component [Supplier Invoice Processing \[Seite 35\]](#) and to business object [Supplier Invoice \[Seite 36\]](#).

### Structure

This outbound service interface contains the [Confirm Invoice \[Seite 38\]](#) outbound operation.



## Confirm Invoice

### Technical Data

|   |                                 |
|---|---------------------------------|
| Entity Type   | Service operation               |
| Technical Name in Enterprise Service Repository (ESR) | InvoiceConfirmation_Out         |
| Namespace in ESR                                      | http://sap.com/xi/SRM/SE/Global |
| Software Component Version                            | SRM Service Enablement 5.5      |
| Category  | Outbound                        |
| Mode  | Asynchronous                    |
| Related Web Service Definition                        | Not applicable                  |

### Definition

Notify the supplier as to whether the previously sent invoice is accepted or rejected, depending on the outcome of invoice verification.

## Use

The *Confirm Invoice* outbound operation sends out the confirmation for a legally binding notification of payables or receivables for delivered goods or services rendered (usually an invoice).

The buyer can confirm or reject an entire invoice or temporarily assign it the status *pending*.

Invoice confirmation is not mandatory in a B2B invoicing process. However, it helps to automate collaborative processes and in dispute management.

## Features

This outbound operation processes the message type InvoiceConfirmation.

## Integration

This outbound operation:

- Belongs to the outbound service interface [Invoicing Out \[Seite 38\]](#)
- Maps to B2B interface InvoiceConfirmation