

# ERP-853 System Interface Reply Message for the Receipt create interface

|                     |                                                                                                                                                                                            |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Status              | Approved                                                                                                                                                                                   |
| Owner               |                                                                                                                                                                                            |
| Stakeholders        |                                                                                                                                                                                            |
| Jira Request ID     | <div> <a href="#">ERP-741</a> - Jira project doesn't exist or you don't have permission to view it.</div> |
| Jira Development ID | <div> <a href="#">ERP-853</a> - Jira project doesn't exist or you don't have permission to view it.</div> |

## High- Level Specification

|                             |                                       |
|-----------------------------|---------------------------------------|
| Implementing System         | S/4 Hana                              |
| Application System (Source) | S/4 Hana                              |
| Application System (Target) | Ariba Guided Buying                   |
| Business Process Reference  | 03.04.05.01. Manage Indirect Receipts |

## Functional Overview

Reply messages are sent to Ariba Guided Buying after successful processing - in the technical terms - of the Receipt message received from Ariba Guided Buying. Reply message can contain either way positive reply after the message from Ariba Guided Buying has not raised any validation issue or the details of the error message. Due to the asynchronous nature of the Receipt create interface, reply message for these events is sent as a dedicated separate message and it's not part of the Receipt interface.

- In a case of a successful processing in S/4 Hana, reply message contains *ARIBA\_GR\_NO* - the unique reference of the Receipt Created in Ariba Guided Buying and *MAT\_DOC\_NO* - stored in the *ERPReceiptNumber* - the Receipt ID assigned in S/4 Hana
- In a case of validation errors occurring in S/4 Hana, reply message contains *ARIBA\_GR\_NO* and the list of error messages generated by S/4 Hana validation logic

Message is initiated within CIG Addon, mediated by the CIG where it's translated into SOAP message to be received by Ariba Guided Buying

## Scope and Objectives

This document describes S/4 Hana sending outbound message sent after the processing of Receipt Create inbound message. This is a specific message type for Receipts only, as opposite to the generic message used by other transactional documents, for example Purchase Order.

Integration event **Import Receipt Status Asynchronously** must be enabled in Ariba Guided Buying.

## Process Flow Diagram

Process flow is identical with [ERP-68](#) - functional specification describing PO Create / Change and Cancel

## Assumptions

- Ariba Guided Buying is utilized for integration of Purchase Orders and Receipt with S/4HANA System.
- Ariba source object and S/4HANA System target field mappings, including custom fields, will be updated based on mapping requirements in S/4HANA System

## Dependencies

- All configurations should already be implemented before the interface is deployed.
- Ariba Buying packages have been successfully installed and configured in S/4HANA System.
- The connection information for Web-Services based integration have been successfully configured in Ariba Buying.
- Receipt parameters have been configured in Ariba Guided Buying.
- Master data loaded in Ariba Guided Buying is synchronized with S/4HANA System.

## Security, Integrity and Controls

The following are the Security and Authorization considerations for this interface:

- Define a Web Services Security certificate and/or the shared secret key to use to secure the End Point connection.
- Access to interface parameters in Ariba Guided Buying are being addressed by Ariba standard security controls. Only authorized person with Ariba administrator's role can access/ change interface parameters.
- Web service security configuration allows secure communications protocol provides a means for applying security to Web services.

## Configuration Requirements

Prerequisite for this interface is the configuration from [ERP-68](#) Functional Specification. On top of this

### **Ariba Configuration**

Integration event **Import Receipt Status Asynchronously** must be enabled

### **CIG Addon Configuration**

Parameter **ENABLE\_FEH** must be set to X in order to for S/4 Validation errors to be sent back to Ariba Guided Buying

## Special Requirements

Not Applicable

## Design Rationale

Not Applicable

## API Use

Not Applicable

## Data Structure

## Source Structure and Target Structure

Standard mappings are a subject to change and are not linked in this documentation, latest excel sheet can be downloaded from CIG Resources Implementation Guides Mapping Specs Ariba Buyer

- [ResponseGoodsReceipt \(Soap to Proxy\)](#)

Mapping contains basic field mapping from RPC Structure to the SOAP message with the basic logic explained

## Processing Logic

### **Processing within Source**

Message is triggered within ARBCIG\_GOODS\_RECEIPT\_CREATE after the Receipt processing logic is finished. Reply is sent from the SEND\_RESPONSE form, which collects the error messages if any and calls function ARBCIG\_SAP\_RESPONSE\_TO\_P2P for the transaction type *ReceiptAsyncInportPullRequest*.

In a case the reply message has to be customized, BADI ARBCIG\_ERP\_RESPONSE\_TO\_P2P is available

### **Processing within Middleware**

At this moment, standard transformation as referenced above is in place. In a case of any custom field is needed, custom field will be mapped in the CIG to the predefined custom field structure in the SAP

## Processing within Target

In the case the reply message from S/4 Hana contains *ERPReceiptNumber* and no errors, processing status of the Receipt is moved from Awaiting Processing to the final step - Processed. In the case the error message is returned from S/4 Hana, Receipt is in status Processing Failed with the error message displayed

## Interface Alert & Monitoring

| System To Be Monitored | How to Monitor                                                                                                                                   | What can be monitored                                                                                                                                                                     |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ariba Guided Buying    | Integration events Data Import Export<br>Web Service Status <ul style="list-style-type: none"><li>Import Receipt Status Asynchronously</li></ul> | In the event of failure of communication between Ariba Guided Buying a CIG, error message<br><br>can be found here. Notification about the failure can be send to the admin of the system |
| CIG                    | Transaction Tracker <ul style="list-style-type: none"><li><i>ReceiptAsyncImportPullRequest</i></li></ul>                                         | Transactions are stored for 30 days. Each transaction is referenced by the Receipt ID and the payloads,<br><br>one received from Ariba and one sent to S/4 instance can be downloaded     |

## Language Requirements

Not Applicable

## User Interface Requirements

Not Applicable

## Sequencing

Not Applicable

## Volumetrics

Taking into account we target for 50-100 Pos a day, assume half of the POs are Materials that requires receiving - target for Receipts created a day would be 25-50

## Performance Consideration

There are no specific performance requirements or considerations related to this interface.

## Error Handling

If the Receipt Reply message fails to be delivered to Ariba Guided Buying, there's no automatic recovery in place. In such case, Receipt in Ariba Guided Buying are stuck in the Awaiting Processing state and the issue has to be investigated in the CIG transaction tracker and SRT\_MONI on the SAP side.

## Testing

### How to Test

testing is identical with [ERP-68](#) functional specification - the tests for the PO Create / Change / Cancel takes assume the reply message is delivered from S/4 Hana

# Other Information

## Development Details

### Package

| Package Name | Parent Package |
|--------------|----------------|
|              |                |
|              |                |

Other Development Objects

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

## Appendix

### See also

| File                      | Modified |
|---------------------------|----------|
| No files shared here yet. |          |

## Change log

| Version               | Published                 | Changed By                  | Comment |
|-----------------------|---------------------------|-----------------------------|---------|
| <b>CURRENT (v. 6)</b> | <b>Dec 07, 2025 21:38</b> | <b>TONHAUSER-ext, Juraj</b> |         |
| v. 5                  | Dec 01, 2025 10:38        | TONHAUSER-ext, Juraj        |         |
| v. 4                  | Nov 28, 2025 12:42        | TONHAUSER-ext, Juraj        |         |
| v. 3                  | Nov 28, 2025 11:46        | TONHAUSER-ext, Juraj        |         |
| v. 2                  | Nov 27, 2025 14:12        | TONHAUSER-ext, Juraj        |         |
| v. 1                  | Nov 27, 2025 14:04        | TONHAUSER-ext, Juraj        |         |

## Workflow history

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

| Dec 17, 2025  | Actor                                                                                                    | Type  | Activity                                                  | Version |
|---------------|----------------------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------|---------|
| Approved      |  WILLIAMS-ext, Julie  | State | changed state to <b>Approved</b> at 11:11 pm              | v6      |
| Lead Approval |  WILLIAMS-ext, Julie  | State | gave <i>POD Lead Review</i> approval at 11:11 pm          |         |
|               |  TORRES-ext, Benedict | State | changed expiry date to '24 Dec, 2025 02:08 pm' at 2:08 pm |         |

|                             |                                                                                                                        |       |                                                           |                    |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------|--------------------|
|                             |                                                                                                                        | State | changed state to <a href="#">Lead Approval</a> at 2:08 pm | <a href="#">v6</a> |
| <a href="#">Tech Review</a> |  <a href="#">TORRES-ext, Benedict</a> | State | gave <i>Tech Review</i> approval at 2:08 pm               |                    |
| <b>Dec 11, 2025</b>         |                                                                                                                        |       |                                                           |                    |
|                             |  <a href="#">WILLIAMS-ext, Julie</a>  | State | changed expiry date to '16 Dec, 2025 05:55 pm' at 5:55 pm |                    |
|                             |                                                                                                                        | State | changed state to <a href="#">Tech Review</a> at 5:55 pm   | <a href="#">v6</a> |