

ERP-843 Intrastat - free text usage of items POs

Revision in progress

Status	Revision in progress
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Jira Request ID	 ERP-59 - Jira project doesn't exist or you don't have permission to view it.
Jira Development ID	 ERP-843 - Jira project doesn't exist or you don't have permission to view it.

High- Level Specification

Parameter	Value
Application System	GTS
Business Process Reference	12.03.04.01 Manage Intrastat Inbound

Functional Overview

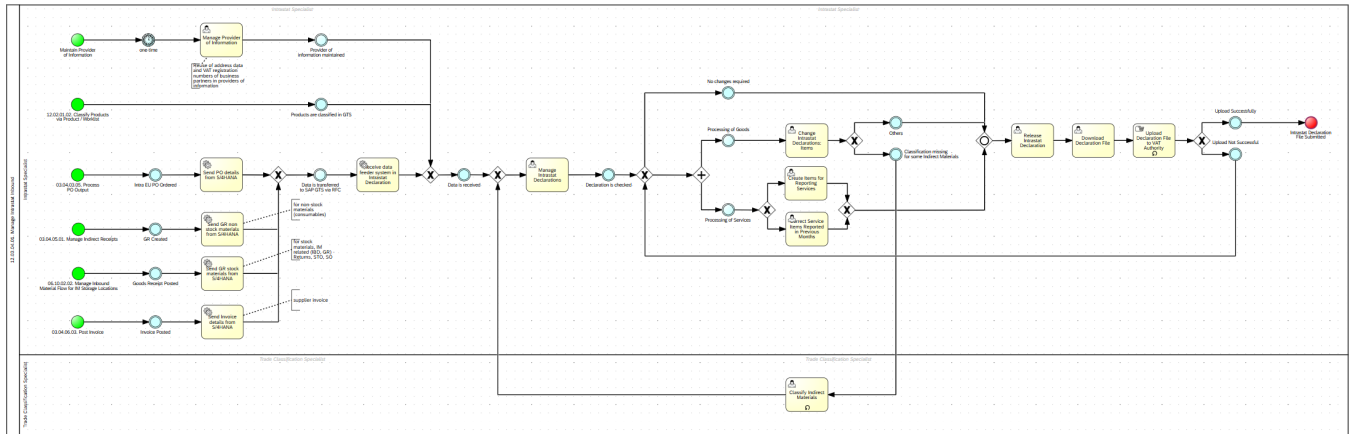
The functional design of the enhancements describes the scenario(s) where enhancements to existing SAP programs are required.

Scope and Objectives

In SAP GTS, an Intrastat Inbound flow involves capturing data from an IBD or GR in an ERP system and transferring it to GTS for Intrastat Declaration processing.

There are cases when for indirect materials coming from Ariba Guided Buying, goods without material master data such as: laptop, supplies or even services to be having missing classification and free text mentioned on the PO. At the time of the PO creation in S/4 and send it to GTS, the information received will be incomplete; the Intrastat Specialist User will require additional data on the declaration in GTS in order to make a better idea of the item used; for this the Intrastat Inbound Declaration will have to be enhanced with other data coming from S/4 like: Vendor and Material Group description (PO source).

Process Flow Diagram



Step	Description	Comment
1	Send PO from S/4HANA	
2	Send Return SO from S/4HANA	
3	Send GR non stock materials from S/4HANA	
4	Send GR stock materials from S/4HANA	
5	Send Invoice details from S/4HANA	
6	Receive data feeder system in Intrastat Declaration	
7	Manage Intrastat Declarations Fiori App	Enhancement related

Assumptions

1. SAP GTS & S/4HANA interface connection available.
2. SAP GTS configuration settings performed.

Dependencies

N/A

Security, Integrity and Controls

N/A

Configuration Requirements

In GTS

Mandatory:

1. Create Business Partner with BP Role as: SLLFTO, SLLPOI, General and Financial Services.
2. Create Provider of Information for the respective BP.
3. Define the necessary Business Transaction types.
4. Activate Legal Regulation
5. Define Country of Origin
6. Assign Country of Origin to Countries of Declaration

Optional:

1. Define Partner Countries
2. Assign Partner Countries to Countries of Declaration
3. Define Movement Codes
4. Define Modes of Transport at the Border
5. Define Incoterms

In S/4: ensure Intrastat-relevant data is maintained such as: commodity codes, country of origin and vendor/material master data.

Language Requirements

EN only.

Special Requirements

N/A

Design Rationale

Functional Requirements

For Intrastat Inbound flows, the POs from S/4HANA will trigger the creation of the declaration in GTS. For cases when POs are missing its master data (free text only), or when classification missing, it required to enhance the declaration in GTS with other data in order to provide a better clarity on the item used.

Therefore, following data must be added to the standard Fiori App "Manage Intrastat Declarations" ,under Additional data Tab for those whose length is 20 and 40.

- Material group description assign it to CHAR 20
- Supplier name assign it to CHAR 40
- Supplier number assign it to CHAR 10

Proposed Technology to Use

BADI /SAPSLI/INTRASTAT_SELECTION in SAP S/4HANA.

The fields on a PO transactional level can be found as:

- T023T-MATKL-WGBEZ for Material group's description
- EKKO-LIFNR for Supplier number
- LFA1- LIFNR-NAME1 for Supplier description

See Processing Logic for more details.

Data Source Considerations

N/A

Table	Field Name	Comments/Calculation/Field Manipulation

Data Validation Considerations

N/A

Table	Field Name	Comments/Calculation/Field Manipulation

Custom Tables

N/A

Master Data

N/A

Field	Description	Data Type/Length	Validation rule/ Value Help

Configuration Table

N/A

Field	Description	Data Type/Length	Validation rule/ Value Help

Selection Screen Enhancement

N/A

Field Name	Description	Select:	Data Type/Length	Default Value/ Validation rule/ Value Help	Selection Logic

Processing Logic

Note: Trigger this logic only when material number (MATNR) is missing on the Purchase Order (EKPO-EBELN = DONUM (DOITM for item) inside the BADI).

BADI /SAPSLI/INTRASTAT_SELECTION

Method CHANGE_DATA use parameter CT_DECL_SITEMS_FS

Within component types: /SAPSLI/ADDF4, /SAPSLI/ADDF5/, /SAPSLI/ADDF2 link it to the below EKPO & dependencies technical fields and send it to GTS within ADDA* fields. Ensure the length is matching between S/4 - GTS additional data fields (20, 40 CHAR).

Based on the PO number & item (EKPO-EBELN = DONUM (DOITM for item) inside the BADI)):

- Take MATKL (**material group**) from EKPO and pass it into T023T (as MATKL key) to retrieve WGBEZ. Eventually link it to the ADDF4 of the BADI parameter sends to GTS
- Take LIFNR (**Supplier number**) from EKKO and link it to the ADDF2 of the BADI parameter sends to GTS
- For supplier's name see below options to pick it up:
 - Option 1: Take LIFNR from EKKO and pass it into LFA1 (as LIFNR key) to retrieve NAME1 (**Supplier description**). Eventually link it to the ADDF5 of the BADI parameter sends to GTS
 - Option 2: Once the PO arrives to GTS is automatically linked to the Provider of Information App (as part of Intrastat process) which contains the Business Partner/Vendor. The name of the Vendor will be therefore automatically assigned by the system.

Volumetrics

N/A

Performance Considerations

N/A

Error Handling

N/A

Testing

How to Test

Test Conditions and Expected Results

ID	Condition	Expected Result
1	Material Group description and Vendor available on the PO	ADDF* are properly filled in the Intrastat Inbound Declaration of GTS.
2	Material Group description missing and Vendor available on the PO	The ADDF* fields receives the vendor information (number and description) but the ADDF* for the material group is empty. The user will have to get in touch with the buyer and complete it manually.
3	Material Group description available and Vendor missing on the PO	The ADDF* fields the material group description but the ADDF* for the vendor is empty. The user will have to get in touch with the buyer and complete it manually.
4	Material Group description and Vendor both missing on the PO	The ADDF* fields are empty in GTS. The user will have to get in touch with the buyer and complete it manually.
5	Negative case - PO has material number	Enhancement should not get triggered.

Test Considerations/Dependencies

Purchase Orders must be first created in S/4HANA.

Other Information

Development Details

Package

Package Name	Parent Package

Enhancement Implementation

Enhancement Type	Standard Definition Name	Custom Implementation Name	Design Rationale Reference

Other Development Objects

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

Appendix

Custom Authorization Group Naming Convention

This table is based on the Syensqo development standards document. It provides the naming conventions for authorization groups to associated with custom reports and tables to comply with security requirements.

ABAP	ZFI	ZMM	ZPS	ZCO	ZSD	ZBC	ZFI	ZCA
TABLES	ZFIT	ZMMT	ZPST	ZCOT	ZSDT	ZBCT	ZFIT	ZCAT

See also

File	Modified
No files shared here yet.	

Change log

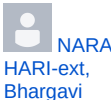
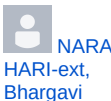
Version	Published	Changed By	Comment
CURRENT (v. 15)	Apr 21, 2026 12:52	TATARU-ext, Eugenia	
v. 14	Apr 21, 2026 09:03	TATARU-ext, Eugenia	Processing logic - 1. The change parameter structure was changed to CT_DECL_SITEMS_FS i
v. 13	Nov 28, 2025 08:37	CHEBOL U-ext, Madhava	
v. 12	Nov 28, 2025 08:36	CHEBOL U-ext, Madhava	
v. 11	Nov 27, 2025 10:25	TATARU-ext, Eugenia	
v. 10	Nov 27, 2025 10:25	TATARU-ext, Eugenia	

v. 9	Nov 26, 2025 06:28	CHEBOL U-ext, Madhava
v. 8	Nov 25, 2025 14:39	TATARU- ext, Eugenia
v. 7	Nov 11, 2025 08:13	TATARU- ext, Eugenia
v. 6	Nov 06, 2025 14:37	TATARU- ext, Eugenia

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Workflow history

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

Apr 21, 2026	Actor	Type	Activity	Version
Revision in progress		Edit	updated the page at 12:52 pm	v14
		State	changed state to Revision in progress at 9:03 am	
Approved		Edit	updated the page at 9:03 am Processing logic - 1. The change parameter structure was changed to CT_DECL_SITEMS_FS instead of CT_DECL_ITEMS_FS 2. The fields RDNUM and RDITM were changed to DONUM and DOITM.	
Mar 15, 2026				
		State	changed state to Approved at 1:04 pm	v13
Lead Approval		State	gave POD Lead Review approval at 1:04 pm	
Dec 02, 2025				
		State	assigned approval POD Lead Review to  NARA HARI-ext, Bhargavi at 7:50 am	