|  |  |
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|  |  |
| Test Script  SAP S/4HANA - 20-08-20 | public |
| Dangerous Goods in Sales (3G8\_DE) |

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# Purpose

This scope item manages the dangerous goods check in sales and delivery documents. In addition, dangerous good descriptions are printed on the sales order confirmations, sales contracts, and the delivery notes.

For each compliance-relevant product added to a sales order, a sales contract, or sales quotation, you must verify if the product is classified as a dangerous good. If so, you check if the product can be transported.

If the product is not classified or if transport is not allowed, this check can result in a sales order block. The determination is based on the dangerous goods regulations that are applicable for the transport between departure and destination countries/regions.

If a dangerous goods assessment is not yet completed, a corresponding request to the product stewardship department or the dangerous goods specialists is created.

The scenario that the transport is forbidden is currently not covered in this scope item.

This document provides a detailed procedure for testing this scope item after solution activation, reflecting the predefined scope of the solution. Each process step, report, or item is covered in its own section, providing the system interactions (test steps) in a table view. Steps that are not in scope of the process but are needed for testing are marked accordingly. Project-specific steps must be added.

# Prerequisites

This section summarizes all the prerequisites for conducting the test in terms of systems, users, master data, organizational data, other test data and business conditions.

## System Access

|  |  |
| --- | --- |
|  | Details |
| System | Accessible via SAP Fiori launchpad. Your system administrator provides you with the URL to access the various apps assigned to your role. |

## Roles

Assign the following business roles to your individual test users. Alternatively, if available, you can create business roles using the following spaces with pages and predefined apps for the SAP Fiori launchpad and assign the business roles to your individual test users.

Note These roles or spaces are examples provided by SAP. You can use them as templates to create your own roles or spaces.

For more information about business roles, refer to Assigning business roles to a user in the [Administration Guide to Implementation of SAP S/4HANA with SAP Best Practices](https://help.sap.com/viewer/S4HANA2020_AdminGuide) .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name (Role) | ID (Role) | Description (Space) | ID (Space) | Log On |
| Internal Sales Representative | SAP\_BR\_INTERNAL\_SALES\_REP | Internal Sales | SAP\_BR\_INTERNAL\_SALES\_REP |  |
| Product Stewardship Specialist - Product Compliance | SAP\_BR\_PRODSTWRD\_SPLST\_PCL | Product Compliance | SAP\_BR\_PRODSTWRD\_SPLST\_PCL |  |
| Dangerous Goods Specialist - Product Compliance (Product Compliance) | SAP\_BR\_DG\_SPLST\_PCL | Dangerous Goods | SAP\_BR\_DG\_SPLST\_PCL |  |
| Shipping Specialist | SAP\_BR\_SHIPPING\_SPECIALIST | Shipping | SAP\_BR\_SHIPPING\_SPECIALIST |  |
| Master Data Specialist - Product Data | SAP\_BR\_PRODMASTER\_SPECIALIST | Product | SAP\_BR\_PRODMASTER\_SPECIALIST |  |
| Master Data Specialist - Business Partner Data | SAP\_BR\_BUPA\_MASTER\_SPECIALIST | Business Partner | SAP\_BR\_BUPA\_MASTER\_SPECIALIST |  |
| Warehouse Clerk | SAP\_BR\_WAREHOUSE\_CLERK | Inventory Processing | SAP\_BR\_WAREHOUSE\_CLERK |  |

## Master Data, Organizational Data, and Other Data

The organizational structure and master data of your company have been created in your system during activation. The organizational structure reflects the structure of your company. The master data represents materials, customers, and suppliers, for example, depending on the operational focus of your company.

Use your own master data or the following sample data to go through the test procedure.

If you create your own packaged and unpackaged products, carry out the compliance steps for all relevant solution areas using the test scripts for the scope items listed:

* Product Marketability: 31H (Assess Marketability of a Product)
* Safety Data Sheet Management: 3VR (Manage Safety Data Sheets for Products)
* Dangerous Goods Management: 3FC (Assess Dangerous Goods for a Product)

The demo data described and used in the following is tailored for a smooth execution of the described procedures and suppresses processes of other solution areas in product compliance.

The following data is valid for both test scenarios:

|  |  |  |  |
| --- | --- | --- | --- |
| Data | Sample Value | Details | Comments |
| Listed Substance | L00000005806 | * CAS Number: 108-38-3 * Name: m-xylene | Included in the listed substance index, which is delivered with the software. |
| Listed Substance | L00000005867 | * CAS Number: 108-88-3 * Name: Toluene | Included in the listed substance index, which is delivered with the software. |
| Listed Substance | L00000007071 | * CAS Number: 123-86-4 * Name: n-butyl acetate | Included in the listed substance index, which is delivered with the software. |
| Listed Substance | L00000003109 | CAS Number: 78-83-1  Name: Isobutyl alcohol | Included in the listed substance index, which is delivered with the software. |
| Listed Substance | L00000002316 | * CAS Number: 64-17-5 * Name: ethanol | Included in the listed substance index, which is delivered with the software. |
| Listed Substance | L00000002147 | * CAS Number: 60-00-4 * Name: EDTA | Included in the listed substance index, which is delivered with the software. |
| Listed Substance | L00000033687 | * CAS Number: 7732-18-5 * Name: water | Included in the listed substance index, which is delivered with the software. |
| Compliance Requirement Version | ADR | Compliance Requirement ID:  ADR | * Compliance requirement versions are delivered with the software. * Activated via scope item. |
| Compliance Requirement Version | UNRTDG | Compliance Requirement ID: UNRTDG | * Compliance requirement versions are delivered with the software. * Activated via scope item. |
| Compliance Requirement Version | IMDG-Code | Compliance Requirement ID: IMDG-Code | * Compliance requirement versions are delivered with the software. * Activated via scope item. |
| Compliance Requirement Version | IATA-DGR | Compliance Requirement ID: IATA-DGR | * Compliance requirement versions are delivered with the software. * Activated via scope item. |
| Compliance Requirement Version | RID | Compliance Requirement ID: RID | * Compliance requirement versions are delivered with the software. * Activated via scope item. |
| Compliance Requirement Version | ADN | Compliance Requirement ID: ADN | * Compliance requirement versions are delivered with the software. * Activated via scope item. |
| Compliance Requirement Version | 49 CFR | Compliance Requirement ID: 49 CFR | * Compliance requirement versions are delivered with the software. * Activated via scope item. |
| Compliance Requirement Version | TDG | Compliance Requirement ID: TDG | * Compliance requirement versions are delivered with the software. * Activated via scope item. |
| Compliance Requirement Version | ADG | Compliance Requirement ID: ADG | * Compliance requirement versions are delivered with the software. * Activated via scope item. |
| Compliance Requirement Version | NZS 5433 | Compliance Requirement ID: NZS 5433 | * Compliance requirement versions are delivered with the software. * Activated via scope item. |
| Compliance Requirement Version | ANTT | Compliance Requirement ID: ANTT | * Compliance requirement versions are delivered with the software. * Activated via scope item. |
| Compliance Requirement Version | NOM | Compliance Requirement ID: NOM | * Compliance requirement versions are delivered with the software. * Activated via scope item. |
| Compliance Requirement Version | NCh382 | Compliance Requirement ID: NCh382 | * Compliance requirement versions are delivered with the software. * Activated via scope item. |
| Compliance Requirement Version | SANS 10228 | Compliance Requirement ID: SANS 10228 | * Compliance requirement versions are delivered with the software. * Activated via scope item. |
| Compliance Purpose | Transport in EU | The following compliance requirements are assigned:   * UNRTDG * IMDG-Code * IATA-DGR * ADR * RID * AND | * Requirements are relevant for Europe. * Loaded and activated via scope item. |
| Compliance Purpose | Transport in North America | The following compliance requirements are assigned:   * 49 CFR * IATA-DGR * IMDG-Code * NOM * TDG | * Requirements are relevant for North America. * Loaded and activated via scope item. |
| Compliance Purpose | Transport in South America | The following compliance requirements are assigned:   * ANTT * IATA-DGR * IMDG-Code * NCh382 * UNRTDG | * Requirements are relevant for South America. * Loaded and activated via scope item. |
| Compliance Purpose | Transport in Middle East, Africa, Asia | The following compliance requirements are assigned:   * ADG * IATA-DGR * IMDG-Code * NZS 5433 * SANAS 10228 * UNRTDG | * Requirements are relevant for Middle East, Africa, Asia. * Loaded and activated via scope item. |
| Company Substance | m-xylene | Linked with listed substance L00000005806 | Loaded via scope item. |
| Company Substance | Toluene | Linked with listed substance L00000005867 | Loaded via scope item. |
| Company Substance | n-butyl acetate | Linked with listed substance L00000007071 | Loaded via scope item. |
| Company Substance | Isobutyl alcohol | Linked with listed substance L00000003109 | Loaded via scope item. |
| Company Substance | ethanol | Linked with listed substance L00000002316 | Loaded via scope item. |
| Company Substance | EDTA | Linked with listed substance L00000002147 | Loaded via scope item. |
| Company Substance | water | Linked with listed substance L00000033687 | Loaded via scope item. |
| Sold-to Party (Customer) | 10100003 | Customer domestic 03 | For the sales order with materials FGPCDG01, FGPCDG02, and FGPCDG03. |
| Ship-to Party (Customer) | 10100003 | Customer domestic 03 | For the sales order with materials FGPCDG01, FGPCDG02, and FGPCDG03. |
| Payer (Customer) | 10100003 | Customer domestic 03 | For the sales order with materials FGPCDG01, FGPCDG02, and FGPCDG03. |
| Plant | 1010 | Plant 1 DE |  |
| Storage Location | 101A | Std. storage 1 |  |
| Shipping Point | 1010 | Shipping Point 1010 |  |
| Sales Organization | 1010 | Dom. Sales Org |  |
| Distribution Channel | 10 | Direct Sales |  |
| Division | 00 | Product Division 00 |  |
| Delivery Plant | 1010 | Plant 1 DE | id |

Data Set 1

|  |  |  |  |
| --- | --- | --- | --- |
| Data | Sample Value | Details | Comments |
| Material | SGPCDG01 | * Material Number: SGPCDG01 * Material Type: HALB * Material Description: Semi Finished Good DG01 | Loaded via scope item. |
| Material | FGPCDG01 | * Material Number: FGPCDG01 * Material Type: FERT * Material Description: Finished Good DG 5l | Loaded via scope item. |
| Material | FGPCDG02 | * Material Number: FGPCDG02 * Material Type: FERT * Material Description: Finished Good DG 40l | Loaded via scope item. |
| Chemical Compliance Info Object - Unpackaged Product - Basic Data | Unpackaged Product UPDG10 | * Internal Name: Unpackaged Product DG01 * Assigned Unpackaged Product: SGPCDG01 * Assigned Packaged Products:   + FGPCDG01   + FGPCDG02 * Assigned Application: Industrial Chemicals * No Assigned Compliance Purposes | Loaded via scope item. |
| Chemical Compliance Info Object - Unpackaged Product - Released Analytical Composition | Unpackaged Product UPDG10 | * Substance: m-xylene   + CAS Number: 108-38-3   + Role in Composition: Active Ingredient   + Reaction Product: No   + Concentration: 48.000000   + Lower Limit: 0.000000   + Upper Limit: 0.000000 * Substance: toluene   + CAS Number: 108-88-3   + Role in Composition: Active Ingredient   + Reaction Product: No   + Concentration: 14.000000   + Lower Limit: 0.000000   + Upper Limit: 0.000000 * Substance: n-butyl acetate   + CAS Number: 123-86-4   + Role in Composition: Active Ingredient   + Reaction Product: No   + Concentration: 12.000000   + Lower Limit: 0.000000   + Upper Limit: 0.000000 * Substance: Isobutyl alcohol   + CAS Number: 78-83-1   + Role in Composition: Solvent   + Reaction Product: No   + Concentration: 12.000000   + Lower Limit: 0..000000   + Upper Limit: 0.000000 * Substance: ethanol   + CAS Number: 64-17-5   + Role in Composition: Active Ingredient   + Reaction Product: No   + Concentration: 10.000000   + Lower Limit: 0.000000   + Upper Limit: 0.000000 * Substance: EDTA   + CAS Number: 60-00-4   + Role in Composition: Active Ingredient   + Reaction Product: No   + Concentration: 4.000000   + Lower Limit: 0.000000   + Upper Limit: 0.000000 | Loaded via scope item. |

Data Set 2

|  |  |  |  |
| --- | --- | --- | --- |
| Data | Sample Value | Details | Comments |
| Material | SGPCDG02 | * Material Number: SGPCDG02 * Material Type:HALB * Material Description: Semi Finished Good DG02 | Loaded via scope item. |
| Material | FGPCDG03 | * Material Number: FGPCDG03 * Material Type:FERT * Material Description: Finished Good no DG | Loaded via scope item. |
| Chemical Compliance Info Object - Unpackaged Product - Basic Data | Unpackaged Product UPDG20 | * Internal Name: Unpackaged Product DG02 * Assigned Unpackaged Product:SGPCDG02 * Assigned Packaged Product: FGPCDG03 * Assigned Application: Industrial Chemicals * No Assigned Compliance Purposes | Loaded via scope item. |
| Chemical Compliance Info Object - Unpackaged Product - Released Analytical Composition | Unpackaged Product UPDG20 | * Substance: water   + CAS Number: 7732-18-5   + Role in Composition: Active Ingredient   + Reaction Product: No   + Concentration: 82.000000   + Lower Limit: 0.000000   + Upper Limit: 0.000000 * Substance: ethanol   + CAS Number: 64-17-5   + Role in Composition: Active Ingredient   + Reaction Product: No   + Concentration: 3.000000   + Lower Limit: 0.000000   + Upper Limit: 0.000000 * Substance: EDTA   + CAS Number: 60-00-4   + Role in Composition: Active Ingredient   + Reaction Product: No   + Concentration: 15.000000   + Lower Limit: 0.000000   + Upper Limit: 0.000000 | Loaded via scope item. |

You can find general information on how to create master data objects in the following [Master Data Scripts (MDS)](https://support.sap.com/content/dam/SAAP/Sol_Pack/BP_OP_ENTPR/BP_OP_ENTPR_S4HANA2020_7_Master_Data_EN_XX.htm) :

|  |  |
| --- | --- |
| MDS | Description |
| BNT | Create Product Master of Type Finished Good |
| BNS | Create Product Master of Type Semi-Finished Good |

## Business Conditions

Before you can test this scope item, the following business conditions must be met.

|  |  |
| --- | --- |
| Scope Item ID | Business Condition |
| 3FC - Assess Dangerous Goods for a Product | The scope item 3G8 is based on the implemented and tested scope item 3FC . |
| BD9 - Sell from Stock | The scope item BD9 must be implemented and tested before testing scope item 3G8. |

To be able to ship dangerous goods within a country, transport check rules must have been set in scope item 3FC for this country. In this scope item, the check rule Classification Dependent or Always Allowed must have been set for at least one domestic mode of transport for this country. Otherwise, the system blocks the processing of sales and delivery documents even if the transport for this product is allowed according to its dangerous goods classification.

How to set transport check rules, see test procedure Optional: Apply Regulations to Countries for scope item 3FC.

## Preliminary Steps

To run through this scope item, the materials must be available in stock.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Fiori launchpad as a Warehouse Clerk. | The SAP Fiori launchpad is displayed. |  |
| 2 | Access App | Open the Post Goods Movement (MIGO) app. | The initial screen of the app is displayed. |  |
| 3 | Select Action and Referenced Documents | Make the following entries and choose Enter:   * Trans./Event: Goods Receipt * Reference Document: Other | The Goods Receipt Other screen is displayed. |  |
| 4 | Select Material | In the Good Receipt Other screen on the Material tab, enter material FGPCDG01 in the Material field and press Enter. | The material is entered in the first line of the table in the General section. |  |
| 5 | Enter Quantity | On the Quantity tab, enter the following data and choose Enter:   * Qty in Unit of Entry: 100 * Unit of Entry: BT | The quantity is added in the first line of the table in the General section. |  |
| 6 | Input on the Goods Receipt Other Screen: Where Tab | On the Where tab, enter the following data and press Enter:   * Movement Type:561 - Receipt per initial entry of stock balances into unrestricted use * Plant: 1010 * Storage Location: 101A | The movement type, plant, and storage location are added in the first line of the table in the General section. |  |
| 7 | Save Your Entries | Choose Post. | Material FGPCDG01 is added to stock. |  |
| 8 | Add Other Materials to Stock | Repeat steps 4–7 for material FGPCDG02. | Material FGPCDG02 is added to stock. |  |

# Overview Table

This scope item consists of several process steps provided in the table below.

If your system administrator has enabled spaces and pages on the SAP Fiori launchpad, the homepage will only contain the essential apps for performing the typical tasks of a business role.

You can find all other apps not included on the homepage using the search bar.

If you want to personalize the homepage and include the hidden apps, navigate to your user profile and choose Settings > App Finder .

|  |  |  |  |
| --- | --- | --- | --- |
| Process Step | Business Role | App/Transaction | Expected Results |
| [Create Sales Order with a Dangerous Good with Transport Allowed](#unique_9) [page ] 17 | Internal Sales Representative | Manage Sales Orders (F1873) | The sales order with dangerous good FGPCDG01 is created. |
| [Create Outbound Delivery with a Dangerous Good with Transport Allowed](#unique_10) [page ] 20 | Shipping Specialist | Create Outbound Deliveries - From Sales Orders (F0869A) | The outbound delivery with dangerous good FGPCDG01 is created. |
| [Carry Out Picking and Post Goods Issue for a Dangerous Good with Transport Allowed](#unique_11) [page ] 21 | Shipping Specialist | Pick Outbound Delivery (F0868) and Display Outbound Delivery (VL03N) | Picking and post goods issue are carried out for dangerous good FGPCDG01.  Afterwards, the delivery note for the delivery with dangerous good FGPCDG01 is printed with dangerous goods descriptions. |
| [Create Sales Order with a Dangerous Good with Transport Allowed with Restrictions](#unique_12) [page ] 23 | Internal Sales Representative | Manage Sales Orders (F1873) | The sales order with dangerous good FGPCDG02 is created. |
| [Analyze Sales Order Status for Dangerous Goods](#unique_13) [page ] 26 | Internal Sales Representative | Manage Sales Orders (F1873) | The dangerous goods status for the sales order header and for the item is checked. |
| [Analyze Sales Order Fulfillment Monitor](#unique_14) [page ] 28 | Internal Sales Representative | Sales Order Fulfillment - Analyze and Resolve Issues (F0029A) | You navigate to the Compliance Information - For Products (F3226) app to view the transport permission and dangerous goods data for the item with issues. |
| [Create Outbound Delivery with a Dangerous Good with Transport Allowed with Restrictions](#unique_15) [page ] 30 | Shipping Specialist | Create Outbound Deliveries - From Sales Orders (F0869A) | The outbound delivery with dangerous good FGPCDG02 is created. |
| [Analyze Outbound Delivery Status for Dangerous Goods](#unique_16) [page ] 31 | Shipping Specialist | Change Outbound Delivery (VL02) | The dangerous goods status for the delivery header and for the item is checked. |
| [Carry Out Picking and Post Goods Issue for a Dangerous Good with Transport Allowed with Restrictions](#unique_17) [page ] 33 | Shipping Specialist | Pick Outbound Delivery (F0868) and Display Outbound Delivery (VL03N) | Picking and post goods issue are carried out for dangerous good FGPCDG02.  Afterwards, the delivery note for the delivery with dangerous good FGPCDG02 is printed with dangerous goods descriptions. |

# Test Procedures

This section describes test procedures for each process step that belongs to this scope item.

## Create Sales Documents Containing Dangerous Goods with Transport Allowed

### Create Sales Order with a Dangerous Good with Transport Allowed

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Purpose

In steps 11–18 is described how you can print dangerous goods data on sales documents. Printing dangerous goods data is supported only by the new Output Management function in S/4HANA. This function can be implemented with SAP Note [2298826](https://launchpad.support.sap.com/#/notes/2298826): Switch for enabling NAST condition based output for on-premise for activate Output Management function.

The Internal Sales Representative creates a sales order for a finished good. The system carries out a dangerous goods check to verify if the transport is allowed. The result of the dangerous goods check is positive and the status for the dangerous goods check in the sales order header is set accordingly. The delivery for this sales order can be created.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Fiori launchpad as an Internal Sales Representative. | The SAP Fiori launchpad is displayed. |  |
| 2 | Access App | Open the Manage Sales Orders (F1873) app. | The Manage Sales Orders screen is displayed. |  |
| 3 | Create Sales Order | Choose + (Add) > Create Sales Order - VA01 . | The screen where you create a sales order is displayed. |  |
| 4 | Enter Basic Order Data | On the Create Sales Documents screen, enter the following data and choose Continue:   * Order Type: OR * Sales Organization: 1010 * Distribution Channel: 10 * Division: 00 | The screen where you enter the standard order attributes is displayed. |  |
| 5 | Enter Detailed Order Data | On the Create Standard Order: Overview screen, enter the following data and press Enter:   * Sold-To Party: 10100003 * Ship-To Party: 10100003 * Cust. Reference: 123456 * Cust. Ref. Date: <Select today's date> * Delivery Plant: 1010 * Order Reason: Sales Call   You may need to scroll down within the Sales tab to access this field. | The screen is displayed with updated data. |  |
| 6 | Display Header Details | On the Create Standard Order: Overview screen, go to More > Go to > Header > Shipping . | The Shipping tab in the header details is displayed. |  |
| 7 | Select Shipping Type | Set the Shipping Cond. to Pick-up. | The screen is displayed with updated data. |  |
| 8 | Go Back | Navigate back. | The Create Standard Order: Overview screen is displayed. |  |
| 9 | Enter Order Item | In the All Items table, enter the following data for the first sales order item and press Enter:   * Material: FGPCDG01 * Quantity: 1 * Un (Sales Unit): BT * Plnt (Plant): 1010   Double-click in the row for the sales order item. On the Country tab, if available, enter 00 as the tax code. If there’s no Country tab, navigate back to Create Standard Order: Overview. | The item is added to the standard order.  In the footer, the system shows a message that errors occurred. |  |
| 10 | Save Entries | Choose Save.  Note the sales order number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. | The sales order is saved and the order number is shown in the footer. |  |
| 11 | Access App | Open the Manage Sales Orders (F1873) app again. | The Manage Sales Orders screen is displayed. |  |
| 12 | Search Sales Order | In the Sales Order field, enter the number of the newly created sales order (see step 10) and choose Go. | The Manage Sales Orders screen shows the sales order. |  |
| 13 | Select the Sales Order | Navigate to the details of this sales order by choosing the (Details) icon. | The Display Standard Order xxxxx: Overview screen is displayed. |  |
| 14 | Display Order Confirmation | Choose Header Output Preview. | The Display Standard Order xxxxx: Output screen is displayed. |  |
| 15 | Select Order Confirmation | Select the radio button for the entry with the following data:   * Status: Completed * Output Type: ORDER\_CONFIRMATION * Channel: PRINT   Choose Display PDF Document. | The order confirmation is displayed as a PDF document. |  |
| 16 | Check Descriptions | On the PDF document, check for the dangerous goods descriptions that you have entered for the product in scope item Assess Dangerous Goods for a Product (3FC). | The dangerous goods information is displayed in the order confirmation.  Here is an example of how the description should look:  IMDG-Code: UN 1993, Flammable Liquid, n.o.s. (Xylene, Toluene), 3, II  Fiberboard Box X 5 L |  |
| 17 | Close Order Confirmation | Choose Continue. | The order confirmation is closed. |  |
| 18 | Go Back | Navigate back. | The Display Standard Order xxxxx: Overview screen is displayed. |  |

### Create Outbound Delivery with a Dangerous Good with Transport Allowed

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Purpose

Based on the sales order, the Shipping Specialist creates the outbound delivery.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Fiori launchpad as a Shipping Specialist. | The SAP Fiori launchpad is displayed. |  |
| 2 | Access App | Open the Create Outbound Deliveries - From Sales Orders (F0869A) app. | The Create Outbound Deliveries screen is displayed. |  |
| 3 | Search Sales Order | Enter the following data and press Enter:   * Shipping Point: 1010 * Planned Creation Date: <Due Up Until Next Week> * Sales Document: <Enter the previously created sales order number> | The screen shows the sales order with one item. |  |
| 4 | Create Delivery | Select the checkbox for your sales order item and choose Create Deliveries. | The delivery is created. |  |
| 5 | Analyze Delivery Logs | Choose Display Log and note the delivery number displayed in the Delivery column under Deliveries: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. | The Analyze Delivery Logs screen is displayed. |  |

### Carry Out Picking and Post Goods Issue for a Dangerous Good with Transport Allowed

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Purpose

The Internal Sales Representative carries out the picking process. It involves taking goods from a storage location and staging the right quantity in a picking area where the goods are prepared for shipping. In addition, the Internal Sales Representative also posts the goods issues for the delivery.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Fiori launchpad as a Shipping Specialist. | The SAP Fiori launchpad is displayed. |  |
| 2 | Access App | Open the Pick Outbound Delivery (F0868) app. | The Delivery screen is displayed. |  |
| 3 | Pick Outbound Delivery | On the Delivery screen, enter the number of the delivery that you have created in step 5 of [Create Outbound Delivery with a Dangerous Good with Transport Allowed](#unique_10) [page ] 20 and choose Enter. | The Pick Outbound Delivery screen is displayed. |  |
| 4 | Enter Picked Quantity | Select the checkbox for item, and in the Picking Quantity field, enter the same quantity that you have entered as delivery quantity. Choose Save. | The Pick Outbound Delivery screen is displayed with updated data.  The Picking Status changed to Completely Processed. |  |
| 5 | Post Good Issue | Choose Post GI. | The goods issue is posted for the delivery.  The status has changed from Ready to Post GI to GI Posted. |  |

## Create Sales Documents Containing Dangerous Goods with Transport Allowed with Restrictions

### Create Sales Order with a Dangerous Good with Transport Allowed with Restrictions

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Purpose

The Internal Sales Representative creates a sales order for a finished good. The system carries out a dangerous goods check to verify if the transport is allowed. The dangerous goods check ends with a warning and the status for dangerous goods check in the sales order header is set accordingly. However, the delivery for this sales order can be created.

Procedure

In steps 13–20 is described how you can print dangerous goods data on sales documents. Printing dangerous goods data is supported only by the new Output Management function in S/4HANA. This function can be implemented with SAP Note [2298826](https://launchpad.support.sap.com/#/notes/2298826): Switch for enabling NAST condition based output for on-premise for activate Output Management function.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Fiori launchpad as an Internal Sales Representative. | The SAP Fiori launchpad is displayed. |  |
| 2 | Access App | Open the Manage Sales Orders (F1873) app. | The Manage Sales Orders screen is displayed. |  |
| 3 | Create Sales Order | Choose + (Add) > Create Sales Order - VA01 . | The screen where you create a sales order is displayed. |  |
| 4 | Enter Basic Order Data | On the Create Sales Documents screen, enter the following data and choose Continue:   * Order Type: OR * Sales Organization: 1010 * Distribution Channel: 10 * Division: 00 | The screen where you enter the standard order attributes is displayed. |  |
| 5 | Enter Detailed Order Data | On the Create Standard Order: Overview screen, enter the following data and press Enter:   * Sold-To Party: 10100003 * Ship-To Party: 10100003 * Cust. Reference: 123456 * Cust. Ref. Date: <Select today's date> * Delivery Plant: 1010 * Order Reason: Sales Call   You may need to scroll down within the Sales tab to access this field. | The screen is displayed with updated data. |  |
| 6 | Display Header Details | On the Create Standard Order: Overview screen, go to More > Go to > Header > Shipping . | The Shipping tab in the header details is displayed. |  |
| 7 | Select Shipping Type | Set the Shipping Cond. to Pick-up. | The screen is displayed with updated data. |  |
| 8 | Go Back | Navigate back. | The Create Standard Order: Overview screen is displayed. |  |
| 9 | Enter Order Item | In the All Items table, enter the following data for the first sales order item and press Enter:   * Material: FGPCDG02 * Quantity: 1 * Un (Sales Unit): BT * Plnt (Plant): 1010   Double-click in the row for the sales order item. On the Country tab, if available, enter 00 as the tax code. If there’s no Country tab, navigate back to Create Standard Order: Overview. | The item is added to the standard order.  In the footer, the system shows a message that errors occurred. |  |
| 10 | Check Log | In the menu bar, choose Log. | The Display logs screen is displayed with the message that transportation of product FGPCDG02 is allowed with restrictions. |  |
| 11 | Exit Log | Choose Exit. | The Create Standard Order: Overview screen is displayed again. |  |
| 12 | Save Entries | Choose Save.  Note the sales order number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.  If a warning message is displayed in a dialog, confirm the message. | The sales order is saved and the order number is shown in the footer. |  |
| 13 | Access App | Open the Manage Sales Orders (F1873) app again. | The Manage Sales Orders screen is displayed. |  |
| 14 | Search Sales Order | In the Sales Order field, enter the number of the newly created sales order (see step 12) and choose Go. | The Manage Sales Orders screen shows the sales order. |  |
| 15 | Select the Sales Order | Navigate to the details of this sales order by choosing the (Details icon. | The Display Standard Order xxxxx: Overview screen is displayed. |  |
| 16 | Display Order Confirmation | Choose Header Output Preview. | The Create Standard Order xxxxx: Output screen is displayed. |  |
| 17 | Select Order Confirmation | Select radio button for the entry with the following data:   * Status: Completed * Output Type: ORDER\_CONFIRMATION * Channel: PRINT   Choose Display PDF Document. | The order confirmation is displayed as a PDF document. |  |
| 18 | Check Descriptions | On the PDF document, check that there are the dangerous goods descriptions that you have entered for the product in scope item Assess Dangerous Goods for a Product (3FC). | The dangerous goods information is displayed in the order confirmation.  Here is an example of how the description should look:  IMDG-Code: UN 1993, Flammable Liquid, n.o.s. (Xylene, Toluene), 3, II  Fiberboard Box X 5 L |  |
| 19 | Close Order Confirmation | Choose Continue. | The order confirmation is closed. |  |
| 20 | Go Back | Navigate back. | The Display Standard Order xxxxx: Overview screen is displayed. |  |

### Analyze Sales Order Status for Dangerous Goods

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Purpose

The Internal Sales Representative created a sales order for a finished good. The dangerous goods check ended with a warning and the system set the dangerous goods status on item level and header level accordingly. The Internal Sales Representative checks the status to determine if further action, such as triggering a dangerous goods assessment, is needed.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Fiori launchpad as an Internal Sales Representative. | The SAP Fiori launchpad is displayed. |  |
| 2 | Access App | Open the Manage Sales Orders (F1873) app. | The Manage Sales Orders screen is displayed. |  |
| 3 | Search for Sales Order | Expand the header of the sales order list by choosing (Expand Header) and enter the number of the previously created sales order (see step 12 of [Create Sales Order with a Dangerous Good with Transport Allowed with Restrictions](#unique_12) [page ] 23) in the Sales Order field and choose Go. | The list is filtered and only the previously created sales order is displayed. |  |
| 4 | Display Sales Order | Choose the line for your previously created sales order. | The Display Standard Order xxxxx: Overview screen opens and displays the sales order. |  |
| 5 | Navigate to Header Status | In the menu bar, choose More > Go to > Header > Status . | The Display Standard Order xxxxx: Header Data screen opens and displays the header data. |  |
| 6 | Check Dangerous Goods Status | In the Processing Status section, check the Dangerous Goods Sts field. | The dangerous goods status for the sales order is Warning – Dangerous Goods Transport Restricted. |  |
| 7 | Navigate back to the Overview | In the menu bar, choose More > Go to > Overview (F3) . | The Display Standard Order xxxxx: Header Data screen opens again and displays the header data. |  |
| 8 | Navigate to Item Status | In the menu bar, choose More > Go to > Item > Status . | The Display Standard Order xxxxx: Item Data screen opens and displays the item data. |  |
| 9 | Check Dangerous Goods Status | In the Processing Status section, check the status in the Dangerous Goods Status field. | The dangerous goods status for the item Warning – Transport Restricted. |  |

### Analyze Sales Order Fulfillment Monitor

Purpose

The Internal Sales Representative analyzes sales documents based on the given issues types. Dangerous Goods issues are visualized in the Delivery Block in Sales Orders and Delivery Issue in Sales Orders issue types.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Fiori launchpad as an Internal Sales Representative. | The SAP Fiori launchpad is displayed. |  |
| 2 | Access App | Under Sales Order Monitoring, open Sales Order Fulfillment - Analyze and Resolve Issues (F0029A). | The analytic list page for orders with issues is displayed. |  |
| 3 | Search for Dangerous Goods Issues | Switch the header filter view by choosing the (Compact Filter) icon.  Choose Adapt Filters, and then More Filters. Select the Dangerous Goods Status filter attribute, and then choose OK.  For the Dangerous Goods Status filter, select the following values:   * Warning – Dangerous Goods Transport Restricted * Partially Blocked – Dangerous Goods Transport Forbidden * Blocked – Dangerous Goods Transport Forbidden   Confirm the new filter settings by choosing Go. | The list is filtered for any sales documents with dangerous goods issues. |  |
| 4 | Select Status Values for Display | Choose the (Settings) icon for the table with the sales documents with issues.  Select the checkbox for the Dangerous Goods Status column if it is not already selected, and then choose OK. | The table shows the dangerous goods header status for the sales documents. |  |
| 5 | Select the Sales Order | Search for the sales order from the previous test procedure, and navigate to the details of this sales order by choosing the (Details) icon. | The Track Sales Order Details app is displayed. |  |
| 6 | Navigate to the Compliance Information - For Products App | To display the compliance information for a product, proceed as follows:   1. In the Fulfillment Standard Order XXXXX section, go to the Items tab 2. In the Items Processing Details table, select the hyperlink for the material. 3. On the Link popup, choose More Links to display all possible navigation targets. 4. On the Define Link List screen, select Display Compliance Information for Products and choose OK. | The Display Compliance Information for Products link is visible for navigation. |  |
| 7 | Display Compliance Information | Choose the Display Compliance Information for Products link to display the compliance information for the product that is assigned to the material of the item. | The Compliance Information - For Products (F3226) app opens. |  |
| 8 | Display Compliance Information for Dangerous Goods | Go to the Dangerous Goods tab to display the dangerous goods information. | On the Dangerous Goods tab on the Compliance Information - For Products screen, a map with transport permission information for the packaged product that is assigned to the material of the item is displayed. |  |
| 9 | Expand the Legend | In the Legend list panel, choose the (Expand/Collapse) icon to get more information about the coloring of the countries in the map. | The legend expands and displays information on the coloring of the countries in the map. |  |
| 13 | Expand the Dangerous Goods Details | in the Dangerous Goods Details panel, choose the (Expand/Collapse) icon to view classification data. | The dangerous goods details for the packaged product expand and displays the Classified As information and the UN Number. |  |
| 14 | Check the Transport Permissions | In the International Transport panel, check the transport permissions for the international modes of transport.  Select the country where you ship the product from or to, to display the transport permissions for the domestic modes of transports. | The Domestic Transport dialog view for the selected country is displayed with detailed information about the relevant domestic modes of transport and their transport permissions. |  |

### Create Outbound Delivery with a Dangerous Good with Transport Allowed with Restrictions

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Purpose

Based on the sales order, the Shipping Specialist creates the outbound delivery.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Fiori launchpad as a Shipping Specialist. | The SAP Fiori launchpad is displayed. |  |
| 2 | Access App | Open the Create Outbound Deliveries - From Sales Orders (F0869A) app. | The Create Outbound Deliveries screen is displayed. |  |
| 3 | Search Sales Order | Enter the following data and press Enter:   * Shipping Point: 1010 * Planned Creation Date: <Select today> * Sales Document: <Enter the previously created sales order number> | The screen shows the sales order with one item. |  |
| 4 | Create Delivery | Select the checkbox for your sales order item and choose Create Deliveries. | The delivery is created. |  |
| 5 | Analyze Delivery Logs | Choose Display Log and note the delivery number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. | The Analyze Delivery Logs screen is displayed. |  |

### Analyze Outbound Delivery Status for Dangerous Goods

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Purpose

The Shipping Specialist created an outbound delivery from a sales order for a finished good. The dangerous goods check ended with a warning and the system set the dangerous goods status on item level and header level accordingly. The Shipping Specialist checks the status to determine if further action, such as triggering a dangerous goods assessment, is needed.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Fiori launchpad as a Shipping Specialist. | The SAP Fiori launchpad is displayed. |  |
| 2 | Access App | Open the Change Outbound Delivery (VL02N) app. | The Change Outbound Delivery screen is displayed. |  |
| 3 | Display Delivery | In the Outbound Delivery field, enter the number of the previously created outbound delivery (see step 5 of [Create Outbound Delivery with a Dangerous Good with Transport Allowed with Restrictions](#unique_15) [page ] 30) and choose Continue. | The Delivery xxxxxxxx Change: Overview screen opens and displays the outbound delivery. |  |
| 4 | Navigate to Header Status | In the menu bar, choose More > Go to > Header > Processing . | The Delivery xxxxxxxx Change: Header Details screen opens and displays the Overall Status data. |  |
| 5 | Check Dangerous Goods Status | In the Overall Status section, check the status in the Dangerous Goods field. | The dangerous goods status for the delivery is Warning – Dangerous Goods Transport Restricted. |  |
| 6 | Navigate back to the Overview | In the menu bar, choose More > Go to > Overview . | The Delivery xxxxxxxx Change. Overview screen opens again and displays the overview data. |  |
| 7 | Navigate to Item Status | In the menu bar, choose More > Go to > Item > Processing . | The Delivery xxxxxxxx Change: Item Details screen opens and displays the item status data. |  |
| 8 | Check Dangerous Goods Status | In the Item Status section, check the status in the Dangerous Goods field. | The dangerous goods status for the item is Warning – Transport Restricted. |  |

### Carry Out Picking and Post Goods Issue for a Dangerous Good with Transport Allowed with Restrictions

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Purpose

The Internal Sales Representative carries out the picking process. It involves taking goods from a storage location and staging the right quantity in a picking area where the goods are prepared for shipping. In addition, the Internal Sales Representative also posts the goods issues for the delivery.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log onto the SAP Fiori launchpad as a Shipping Specialist. | The SAP Fiori launchpad is displayed. |  |
| 2 | Access App | Open the Pick Outbound Delivery (F0868) app. | The Delivery screen is displayed. |  |
| 3 | Pick Outbound Delivery | On the Delivery screen, enter the number of the delivery that you have created in step 5 of [Create Outbound Delivery with a Dangerous Good with Transport Allowed with Restrictions](#unique_15) [page ] 30 and choose Enter. | The Pick Outbound Delivery screen is displayed. |  |
| 4 | Enter Picked Quantity | Select the item and, in the Picking Quantity field, enter the same quantity that you have entered as delivery quantity. Choose Save. | The Pick Outbound Delivery screen is displayed with updated data.  The Picking Status changed to Completely Processed. |  |
| 5 | Post Good Issue | choose Post GI. | The goods issue is posted for the delivery.  The status has changed from Ready to Post GI to GI Posted. |  |

Typographic Conventions

|  |  |
| --- | --- |
| Type Style | Description |
| Example | Words or characters quoted from the screen. These include field names, screen titles, pushbuttons labels, menu names, menu paths, and menu options.  Textual cross-references to other documents. |
| Example | Emphasized words or expressions. |
| EXAMPLE | 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 | 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. |
| Example | Exact user entry. These are words or characters that you enter in the system exactly as they appear in the documentation. |
| <Example> | Variable user entry. Angle brackets indicate that you replace these words and characters with appropriate entries to make entries in the system. |
| EXAMPLE | Keys on the keyboard, for example, F2 or ENTER. |

|  |
| --- |
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