|  |  |
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|  |  |
| Test Script  SAP S/4HANA - 20-08-20 | public |
| Assess Dangerous Goods for a Product (3FC\_DE) |

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# Purpose

In the past, the Product Compliance topic was an essential topic of the process industry, but in recent years, this topic has been extended to other industries like Discrete Industry, High Tech, and Consumer Products. Worldwide, there exist a very large number of regulations (laws, industry standards and company standards) that companies must comply with. If a product is produced in a country, is sold to a country or is transported from/through/to a country, companies need to ensure that this is allowed based on the applicable regulations.

For transportation, about 25 dangerous goods regulations exist worldwide that must be considered by the companies. In chemical companies, about 30 % of the products are dangerous goods, but more and more discrete products and apparatus are considered as dangerous goods as well. This means that many other industries are also affected by dangerous goods regulations.

For chemical products, you determine if a product can be transported via certain transportation modes with the result of a dangerous goods classification decided according to applicable dangerous goods regulations.

You create a dangerous goods description that is used on transportation documents to describe the product in compliance with the rules defined in each dangerous goods regulation.

To start the classification process, the product steward specialist assigns compliance purposes to the product. These compliance purposes define the relevant dangerous goods regulations, and allow a dangerous goods specialist to classify the product for each of those regulations and to decide for which regulations and modes of transport the product can be transported.

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.

Test Data

In the test procedures, the following products with the following dangerous goods data are used:

|  |  |  |
| --- | --- | --- |
| Product | Classified As | Transport Permission |
| Semi Finished Good DG01 (flammable liquid) (SGPCDG01) | Dangerous Goods | Transport allowed |
| Finished Good DG 5l (FGPCDG01) | Dangerous Goods | Transport allowed |
| Finished Good DG 40l (FGPCDG02) | Dangerous Goods | Transport allowed with restrictions |
| Semi Finished Good DG02 (SGPCDG02) | No Dangerous Goods | Transport allowed |
| Finished Good no DG (FGPCDG03) | No Dangerous Goods | Transport allowed |

Further Information on the Test Procedure

Assignment of a Compliance Purpose

The process for the dangerous goods assessment of a product starts with the determination of the dangerous goods-relevant compliance purposes for an unpackaged product. The Product Stewardship Specialist - Product Compliance assigns a compliance purpose that covers the relevant dangerous goods regulations.

In the test procedures, the following data is used:

|  |  |
| --- | --- |
| Product | Compliance Purpose |
| Semi Finished Good DG01 (flammable liquid) (SGPCDG01) | * Transport in Europe * Transport in North America * Transport in South America * Transport in Middle East, Africa, Asia |

Classification of an Unpackaged Product

By assigning a dangerous goods-relevant compliance purposes to the unpackaged product, the system creates classification requests for the unpackaged product. These classification requests can be processed in the My Unpackaged Dangerous Goods (F3643) app.

Starting with the My Unpackaged Dangerous Goods (F3643) app, the Dangerous Goods Specialist - Product Compliance uses different apps to specify and release the classification for the unpackaged product for each regulation. The released classifications can then be used as input for the dangerous goods assessment of the packaged product.

In the test procedures, the following data is used:

|  |  |  |
| --- | --- | --- |
| Product | Dangerous Goods Regulation | Transport Permission |
| Semi Finished Good DG01 (flammable liquid) (SGPCDG01) | All applicable regulations | Transport allowed |

Classification of a Packaged Product

After releasing the classifications for an unpackaged product, the Dangerous Goods Specialist use the My Packaged Dangerous Goods (F3711) app to specify and release the created classifications for the assigned packaged products.

In the test procedures, the following data is used:

|  |  |  |
| --- | --- | --- |
| Product | Dangerous Goods Regulation | Transport Permission |
| Finished Good DG 5l (FGPCDG01) | All applicable regulations | Transport allowed |
| Finished Good DG 40l (FGPCDG02) | All applicable regulations (except IATA) | Transport allowed |
| * IATA (Cargo) | * Transport allowed |
| * IATA (Passenger) | * Transport forbidden |

The released dangerous goods classifications for a packaged product is used for dangerous goods checks in logistics processes (see scope item 3G8 - Dangerous Goods in Sales).

# 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 |
| Dangerous Goods Specialist - Product Compliance | SAP\_BR\_DG\_SPLST\_PCL | Dangerous Goods | SAP\_BR\_DG\_SPLST\_PCL |  |
| Product Stewardship Specialist - Product Compliance | SAP\_BR\_PRODSTWRD\_SPLST\_PCL | Product Compliance | SAP\_BR\_PRODSTWRD\_SPLST\_PCL |  |
| Master Data Specialist - Product Data | SAP\_BR\_PRODMASTER\_SPECIALIST | Product | SAP\_BR\_PRODMASTER\_SPECIALIST |  |

## 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.

Data 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 * ADN | * 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. |

Data Set 1

|  |  |  |  |
| --- | --- | --- | --- |
| Data | Sample Value | Details | Comments |
| Material | SGPCDG01 | * Material Number: SGPCDG01 * Material Type: HALB * Material Description: Semi Finished Good DG01 * Compliance Relevant: Yes | Loaded via scope item. |
| Material | FGPCDG01 | * Material Number: FGPCDG01 * Material Type: FERT * Material Description: Finished Good DG 5l * Compliance Relevant: Yes | Loaded via scope item. |
| Material | FGPCDG02 | * Material Number: FGPCDG02 * Material Type: FERT * Material Description: Finished Good DG 40l * Compliance Relevant: Yes | 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 * Compliance Relevant: Yes | Loaded via scope item. |
| Material | FGPCDG03 | * Material Number: FGPCDG03 * Material Type:FERT * Material Description: Finished Good no DG * Compliance Relevant: Yes | 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

# 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 |
| [Optional: Check Compliance Relevance for Dangerous Good](#unique_8) [page ] 17 | Master Data Specialist - Product Data | Manage Product Master Data (F1602) | Unpackaged product SGPCDG01 and the packaged products FGPCDG01 and FGPCDG02 are relevant for compliance checks. |
| [Check Assigned Materials, Package Products, and Compliance Purposes for Unpackaged Products](#unique_9) [page ] 18 | Product Stewardship Specialist - Product Compliance | Manage Basic Compliance Data - Unpackaged Products (F2641) | After setting the compliance purpose, new classification requests are created for each applicable dangerous goods regulation for the unpackaged product SGPCDG01 and the assigned package products FGPCDG01 and FGPCDG02. |
| [Check Data for Unpackaged Products Classified as Dangerous Good](#unique_10) [page ] 20 | Dangerous Goods Specialist - Product Compliance | My Unpackaged Dangerous Goods (F3643) | Unpackaged product SGPCDG01 is classified to one selected dangerous goods regulation as flammable liquid and the transport is allowed for this regulation. |
| [Check Data for Packaged Dangerous Good with All Modes of Transport Allowed](#unique_11) [page ] 22 | Dangerous Goods Specialist - Product Compliance | My Packaged Dangerous Goods (F3711) | Packaged product FGPCDG01 is classified according to all applicable dangerous goods regulations as flammable liquid and the transport is allowed for all regulations. |
| [Check Data for Packaged Dangerous Good with One Mode of Transport Forbidden](#unique_12) [page ] 24 | Dangerous Goods Specialist - Product Compliance | My Packaged Dangerous Goods (F3711) | With the exemption of IATA DGR, packaged product FGPCDG02 is classified according to all applicable dangerous goods regulations as flammable liquid and the transport is allowed for all regulations.  For IATA DGR, transport is forbidden for the Passenger mode of transport. |
| [Optional: Check Compliance Relevance for Non-Dangerous Good](#unique_13) [page ] 27 | Master Data Specialist - Product Data | Manage Product Master Data (F1602) | Unpackaged product SGPCDG02 and packaged product FGPCDG03 are relevant for compliance checks. |
| [Check Assigned Materials, Packaged Products, and Compliance Purpose for Unpackaged Products](#unique_14) [page ] 28 | Product Stewardship Specialist - Product Compliance | Manage Basic Compliance Data - Unpackaged Products (F2641) | After setting the compliance purpose, new classification requests are created for each applicable dangerous goods regulation for the unpackaged product SGPCDG02 and the assigned package product FGPCDG03. |
| [Check Data for Packaged Products Classified as No Dangerous Good](#unique_15) [page ] 31 | Dangerous Goods Specialist - Product Compliance | My Packaged Dangerous Goods (F3711) | Packaged product FGPCDG03 is classified according to all applicable dangerous goods as no dangerous goods regulations and the transport is allowed for all regulations. |
| [Optional: Apply Regulations to Countries](#unique_16) [page ] 33 | Dangerous Goods Specialist - Product Compliance | Apply Regulations - Dangerous Goods (F3916) | For all countries where packaged products should be shipped from or shipped to, transport check rules are set. These rules are used for dangerous goods checks that are carried out in sales and delivery documents. |

# Test Procedures

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

## Product Classified as Dangerous Goods

### Optional: Check Compliance Relevance for Dangerous Good

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 compliance-relevant indicator in the product master ensures that the product that the Product Stewardship Specialist - Product Compliance can assess the chemical compliance of the product and the Dangerous Goods Specialist - Product Compliance can classify the product according to dangerous goods regulations. The compliance relevant indicator can be set by the Master Data Specialist - Product Data.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Fiori launchpad as Master Data Specialist - Product Data. | The SAP Fiori launchpad is displayed. |  |
| 2 | Access the App | In the Product Master section, open the Manage Product Master Data (F1602) app. | The initial screen of the app is displayed. |  |
| 3 | Search Product | Enter product SGPCDG01 into the Search field and choose Go. | The product is displayed in the Products list. |  |
| 4 | Select Product | Choose the line for product SGPCDG01. | The details view for the product is displayed. |  |
| 5 | Select the Product Compliance View | Select the menu item General Information > Product Compliance . | The Product Compliance area for the product is displayed. |  |
| 6 | Check Product Compliance Relevance | Check that the Compliance Relevant field is set to Yes. | The product is compliance relevant. |  |
| 7 | Check Product Compliance Relevance for Further Products | Repeat test steps 3-6 for the following products:   * FGPCDG01 * FGPCDG02 | The products are compliance relevant. |  |

### Check Assigned Materials, Package Products, and Compliance Purposes for Unpackaged Products

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 Product Stewardship Specialist - Product Compliance has assigned materials and related packaged products to an unpackaged product and to assign a compliance purpose that reflects transportation in countries in which the packaged product is to be transported. In this test procedure, you check the entered data.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Fiori launchpad as Product Stewardship Specialist - Product Compliance. | The SAP Fiori launchpad is displayed. |  |
| 2 | Access App | In the Product Compliance section, open the Manage Basic Compliance Data - Unpackaged Products (F2641) app. | The Manage Basic Compliance Data - Unpackaged Product screen is displayed and shows the list of unpackaged products. |  |
| 3 | Search Unpackaged Product | Expand the header of the unpackaged products list by choosing (Expand Header).  Enter Semi Finished Good DG01 into the Search field. | The product is displayed in the Unpackaged Products list.  If the product Semi Finished Good DG01 is not displayed in the list, search for Unpackaged Product UPDG10.  For more information, see the note for step 9. |  |
| 4 | Navigate to Unpackaged Product - Basic Compliance Data | Choose the line for the product Semi Finished Good DG01. | The Unpackaged Product - Basic Compliance Data screen is displayed. |  |
| 5 | Check Assigned Materials | In the Assigned Materials section in the Materials of Unpackaged Product subsection, check the assigned materials. | Material SGPCDG01 (Semi Finished Good DG01) is assigned. |  |
| 6 | Check Assigned Related Packaged Products | In the Assigned Materials section in the Related Packaged Products subsection, check the assigned packaged products. | Packaged products FGPCDG01 (Finished Good DG01) and FGPCDG02 (Finished Good DG02) are assigned |  |
| 7 | Check Assigned Compliance Purposes | In the Applications, Markets and Purposes section in the Assigned Compliance Purposes subsection, check the assigned purposes. | The following dangerous goods relevant compliance purposes are assigned:   * Transport in Europe * Transport in North America * Transport in South America * Transport in Middle East, Africa, Asia |  |

### Check Data for Unpackaged Products Classified as Dangerous Good

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 Dangerous Goods Specialist - Product Compliance sees that there are unpackaged products that have to be classified according to the dangerous goods regulations.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Fiori launchpad as Dangerous Goods Specialist - Product Compliance. | The SAP Fiori launchpad is displayed. |  |
| 2 | Access App | In the Dangerous Goods Management section, open the My Unpackaged Dangerous Goods (F3643) app. | The My Unpackaged Dangerous Goods screen is displayed and shows a list of unpackaged products on the For My Responsible Unit tab page. |  |
| 3 | Search Unpackaged Dangerous Good | Enter product SGPCDG01 into the Search field. | The product is displayed in the Unpackaged Products list. |  |
| 4 | Navigate to the Classify Unpackaged Dangerous Good App | Choose the line for the product SGPCDG01. | The Classify Unpackaged Dangerous Good (F3642) app opens and displays the released analytical composition and a list with all assigned dangerous goods regulations. |  |
| 5 | Navigate to the Classify Dangerous Good App | In the Basic Classification section, choose the line for a regulation (for example ADR). | The Classify Dangerous Good (F3460) app opens and the Dangerous Good - Classification Details screen is displayed. |  |
| 6 | Check Classification of Unpackaged Dangerous Goods | In the Classification section, check the entered data. | The Dangerous Good - Classification Details screen displays the following data:   * Classified As: Dangerous Goods * Prefix: UN * Number: 1993 * Class or Division: 3 * Packing Group: II |  |
| 7 | Check Dangerous Goods Basic Description | In the Dangerous Good Basic Description section, check the basic description. | The system displays a description, for example, UN 1993, Flammable Liquid, n.o.s. (Xylene), 3, II |  |
| 8 | Check Transport Permission | In the Transport Permission section, check the transport permission. | Transport of the dangerous good SGPCDG01 is allowed according to the selected regulation (for example ADR). |  |
| 9 | Check the Classification for Other Regulations | Navigate back to the Classify Unpackaged Dangerous Good (F3642) app Select another regulation and repeat the steps 5–8. | Transport of dangerous good SGPCDG01 is allowed for all regulations. |  |
| 10 | Optional: Release Regulation | Navigate back to the Classify Unpackaged Dangerous Good (F3642) app. Select the regulation in progress and choose Release. | The classification is released and at the bottom of the screen, a confirmation message is displayed.  Note that if all regulations are released, the product is no longer displayed in the My Unpackaged Dangerous Goods (F3643) app. |  |

### Check Data for Packaged Products Classified as Dangerous Good

#### Check Data for Packaged Dangerous Good with All Modes of 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 Dangerous Goods Specialist - Product Compliance sees that there are packaged products that have to be classified according to the dangerous goods regulations.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Fiori launchpad as a Dangerous Goods Specialist - Product Compliance. | The SAP Fiori launchpad is displayed. |  |
| 2 | Access App | In the Dangerous Goods Management section, open the My Packaged Dangerous Goods (F3711) app. | The My Packaged Dangerous Goods screen is displayed and shows the list of packaged products on the For My Responsible Unit tab page. |  |
| 3 | Search for Packaged Dangerous Goods | Enter product FGPCDG01 into the Search field. | The product is displayed in the Packaged Products list. |  |
| 4 | Navigate to the Classify Packaged Dangerous Good App | Choose the line for the product FGPCDG01. | The Classify Packaged Dangerous Good (F3710) app opens and displays the packaging details and a list with all assigned regulations. |  |
| 5 | Check Packaging Details | In the Packaging Details section, check the packaging data. | The Packaging Details screen displays the following data:   * Description of Dangerous Goods Package: Fibreboard boxes * Quantity of Dangerous Goods Package: 5 L |  |
| 6 | Navigate to Classify Dangerous Good - Packaged Products App | In the Dangerous Goods Classification section, choose the line for a regulation (for example, ADR). | The Classify Dangerous Good - Packaged Product (text-based) (F3667) app opens and displays the dangerous goods classification and the transport permissions for the relevant modes of transport. |  |
| 7 | Check the Enclosure Variant | In the Enclosure-Specific Classification section, check the enclosure variant. | The Dangerous Good - Classification Details screen is displayed with enclosure variant Limited Quantity (LQ). |  |
| 8 | Check Classification Data | In the Enclosure-Specific Classification section, check the classification data. | The system has taken over the data from the basic classification of the unpackaged product and the fields are prefilled with the following data:   * Classified As: Dangerous Goods * Prefix: UN * Number: 1993 * Class or Division: 3 * Packing Group: II |  |
| 9 | Check Descriptions for Documents | In the Mode of Transport section, check the description for documents for the different the modes of transport. | For each mode of transport, a description for documents is displayed, for example:  UN 1993, FLAMMABLE LIQUID, N.O.S. (Xylene, Toluene), 3, II, Limited Quantity  <<SHIPPED\_QUANTITY>> <<DG\_PACKAGE\_DESCRIPTION>> x 5 L |  |
| 10 | Check Transport Permissions | In the Transport Permission field, check the transport permission for all displayed modes of transport. | Transport of dangerous good FGPCDG01 is allowed for the selected regulation for the corresponding modes of transport. |  |
| 11 | Check the Classification for Other Regulations | Navigate back to the Classify Packaged Dangerous Good (F3710) app. Select another regulation and repeat the steps 6–10. | Transport of dangerous good FGPCDG01 is allowed for all regulations for the corresponding modes of transport. |  |
| 12 | Optional: Release Regulations | Navigate back to the Classify Packaged Dangerous Good (F3710) app. Select the regulation in progress and choose Release. | The classification is released and at the bottom of the screen, a confirmation message is displayed.  Note that if all regulations are released, the product is no longer displayed in the My Packaged Dangerous Goods (F3711) app. |  |

#### Check Data for Packaged Dangerous Good with One Mode of Transport Forbidden

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 Dangerous Goods Specialist - Product Compliance sees that there are packaged products that have to be classified according to the dangerous goods regulations.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Fiori launchpad as a Dangerous Goods Specialist - Product Compliance. | The SAP Fiori launchpad is displayed. |  |
| 2 | Access App | In the Dangerous Goods Management section, open the My Packaged Dangerous Goods (F3711) app. | The My Packaged Dangerous Goods screen is displayed and shows the list of packaged products on the For My Responsible Unit tab page. |  |
| 3 | Search for Packaged Dangerous Goods | Enter product FGPCDG02 into the Search field. | The product is displayed in the Packaged Products list. |  |
| 4 | Navigate to the Classify Packaged Dangerous Good App | Choose the line for the product FGPCDG02. | The Classify Packaged Dangerous Good (F3710) app opens and displays the packaging details and a list with all assigned regulations. |  |
| 5 | Check Packaging Details | In the Packaging Details section, check the packaging data. | The Packaging Details screen displays the following data:   * Description of Dangerous Goods Package: Fibreboard boxes * Quantity of Dangerous Goods Package: 40 L |  |
| 6 | Navigate to Classify Dangerous Good - Packaged Products App | In the Dangerous Goods Classification section, choose the line for a regulation that is not IATA-DGR) (for example, ADR). | The Classify Dangerous Good - Packaged Product (text-based) (F3667) app opens and displays the dangerous goods classification and the transport permissions for the relevant modes of transport. |  |
| 7 | Check the Enclosure Variant | In the Enclosure-Specific Classification section, check the enclosure variant. | The Dangerous Good - Classification Details screen is displayed with enclosure variant Packaging (P). |  |
| 8 | Check Classification Data | In the Enclosure-Specific Classification section, check the classification data. | The system has taken over the data from the basic classification of the unpackaged product and the fields are prefilled with the following data:   * Classified As: Dangerous Goods * Prefix: UN * Number: 1993 * Class or Division: 3 * Packing Group: II |  |
| 9 | Check Descriptions for Documents | In the Mode of Transport section, check the description for the different modes of transport. | For each mode of transport, a description for documents is displayed, for example:  UN 1993, Flammable Liquid, n.o.s. (Xylene, Toluene), 3, II,  <<SHIPPED\_QUANTITY>> <<DG\_PACKAGE\_DESCRIPTION>> x 40 L |  |
| 10 | Check Transport Permissions | In the Transport Permission field, check the transport permission for all displayed modes of transport. | Transport of dangerous good FGPCDG02 is allowed for the selected regulation for the corresponding modes of transport. |  |
| 8 | Check the Classification for Other Regulations | Navigate back to the Classify Packaged Dangerous Good (F3710) app. Select another regulation (not IATA-DGR) and repeat the steps 5–7. | Transport of dangerous good FGPCDG02 is allowed for all regulations for the corresponding modes of transport. |  |
| 11 | Check Transport Permissions for IATA-DGR | Navigate back to the Classify Packaged Dangerous Good (F3710) app. Select the IATA-DGR regulation and repeat the steps 6–10. | Transport of dangerous good FGPCDG02 is allowed for IATA-DGR for the Air Cargo mode of transport but forbidden for Air Passenger. |  |
| 12 | Optional: Release Regulations | Navigate back to the Classify Packaged Dangerous Good (F3710) app. Select the regulation in progress and choose Release. | The classification is released and at the bottom of the screen, a confirmation message is displayed.  Note that if all regulations are released, the product is no longer displayed in the My Packaged Dangerous Goods (F3711) app. |  |

## Product Classified as No Dangerous Goods

### Optional: Check Compliance Relevance for Non-Dangerous Good

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 compliance-relevant indicator in the product master ensures that the product that the Product Stewardship Specialist - Product Compliance can assess the chemical compliance of the product and the Dangerous Goods Specialist - Product Compliance can classify the product according to dangerous goods regulations. The compliance relevant indicator can be set by the Master Data Specialist - Product Data.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Fiori launchpad as Master Data Specialist - Product Data. | The SAP Fiori launchpad is displayed. |  |
| 2 | Access the App | In the Product Master section, open the Manage Product Master Data (F1602) app. | The initial screen of the app is displayed. |  |
| 3 | Search Product | Enter product SGPCDG02 into the Search field and choose Go. | The product is displayed in the Products list. |  |
| 4 | Select Product | Choose the line for product SGPCDG02. | The details view for the product is displayed. |  |
| 5 | Select the Product Compliance View | Select the menu item General Information > Product Compliance . | The Product Compliance area for the product is displayed. |  |
| 6 | Check Product Compliance Relevance | Check that the Compliance Relevant field is set to Yes. | The product is compliance relevant. |  |
| 7 | Check Product Compliance Relevance for Further Products | Repeat test steps 3-6 for product FGPCDG03. | The product is compliance relevant. |  |

### Check Assigned Materials, Packaged Products, and Compliance Purpose for Unpackaged Products

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 Product Stewardship Specialist - Product Compliance has assigned materials and related packaged products to an unpackaged product and to assign a compliance purpose that reflects transportation in countries in which the packaged product is to be transported. In this test procedure, you check the entered data.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Fiori launchpad as Product Stewardship Specialist - Product Compliance. | The SAP Fiori launchpad is displayed. |  |
| 2 | Access App | In the Product Compliance section, open the Manage Basic Compliance Data - Unpackaged Products (F2641) app. | The Manage Basic Compliance Data - Unpackaged Product screen is displayed and shows the list of unpackaged products. |  |
| 3 | Search Unpackaged Product | Expand the header of the unpackaged products list by choosing (Expand Header).  Enter Semi Finished Good DG02 into the Search field. | The product is displayed in the Unpackaged Products list.  If the product Semi Finished Good DG02 is not displayed in the list, search for Unpackaged Product UPDG20.  For more information, see the note for step 9. |  |
| 4 | Navigate to Unpackaged Product - Basic Compliance Data | Choose the line for the product Semi Finished Good DG02. | The Unpackaged Product - Basic Compliance Data screen is displayed. |  |
| 5 | Check Assigned Materials | In the Assigned Materials section in the Materials of Unpackaged Product subsection, check the assigned materials. | Material SGPCDG02 (Semi Finished Good DG02) is assigned. |  |
| 6 | Check Assign Related Packaged Products | In the Assigned Materials section in the Related Packaged Products subsection, check the assigned packaged products. | Packaged product FGPCDG03 (Finished Good DG03) is assigned |  |
| 7 | Check Assign Compliance Purposes | In the Applications, Markets and Purposes section in the Assigned Compliance Purposes subsection, check the assigned purposes. | The following dangerous goods relevant compliance purposes are assigned:   * Transport in Europe * Transport in North America * Transport in South America * Transport in Middle East, Africa, Asia |  |

### Check Data for Unpackaged Products Classified as No Dangerous Good

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 Dangerous Goods Specialist - Product Compliance sees that there are unpackaged products that have to be classified according to the dangerous goods regulations.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Fiori launchpad as Dangerous Goods Specialist - Product Compliance. | The SAP Fiori launchpad is displayed. |  |
| 2 | Access App | In the Dangerous Goods Management section, open the My Unpackaged Dangerous Goods (F3643) app. | The My Unpackaged Dangerous Goods screen is displayed and shows a list of unpackaged products on the For My Responsible Unit tab page. |  |
| 3 | Search Unpackaged Dangerous Good | Enter product SGPCDG02 into the Search field. | The product is displayed in the Unpackaged Products list. |  |
| 4 | Navigate to the Classify Unpackaged Dangerous Good App | Choose the line for the product SGPCDG02. | The Classify Unpackaged Dangerous Good (F3642) app opens and displays the released analytical composition and a list with all assigned dangerous goods regulations. |  |
| 5 | Navigate to the Classify Dangerous Good App | In the Basic Classification section, choose the line for a regulation (for example ADR). | The Classify Dangerous Good (F3460) app opens and the Dangerous Good - Classification Details screen is displayed. |  |
| 6 | Check Classification of Unpackaged Dangerous Goods | In the Classification section, check the entered data. | The Dangerous Good - Classification Details screen displays the following data:   * Classified As: No Dangerous Goods |  |
| 7 | Check Transport Permission | In the Transport Permission section, check the transport permission. | Transport of the dangerous good SGPCDG02 is allowed according to the selected regulation (for example ADR). |  |
| 8 | Check the Classification for Other Regulations | Navigate back to the Classify Unpackaged Dangerous Good (F3642) app Select another regulation and repeat the steps 5–7. | Transport of dangerous good SGPCDG02 is allowed for all regulations. |  |
| 9 | Optional: Release Regulation | Navigate back to the Classify Unpackaged Dangerous Good (F3642) app. Select the regulation in progress and choose Release. | The classification is released and at the bottom of the screen, a confirmation message is displayed.  Note that if all regulations are released, the product is no longer displayed in the My Unpackaged Dangerous Goods (F3643) app. |  |

### Check Data for Packaged Products Classified as No Dangerous Good

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 Dangerous Goods Specialist - Product Compliance sees that there are packaged products that have to be classified according to the dangerous goods regulations.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Fiori launchpad as a Dangerous Goods Specialist - Product Compliance. |  |  |
| 2 | Access App | In the Dangerous Goods Management section, open the My Packaged Dangerous Goods (F3711) app. | The My Packaged Dangerous Goods screen is displayed and shows the list of packaged products on the For My Responsible Unit tab page. |  |
| 3 | Search for Packaged Dangerous Goods | Enter product FGPCDG03 into the Search field. | The product is displayed in the Packaged Products list. |  |
| 4 | Navigate to the Classify Packaged Dangerous Good App | Choose the line for the product FGPCDG03. | The Classify Packaged Dangerous Good (F3710) app opens and displays the packaging details and a list with all assigned regulations. |  |
| 5 | Navigate to Classify Dangerous Good - Packaged Products App | In the Dangerous Goods Classification section, choose the line for a regulation (for example ADR). | The Classify Dangerous Good - Packaged Product (text-based) (F3667) app opens and displays the dangerous goods classification and the transport permissions for the relevant modes of transport. |  |
| 6 | Check Classification Data | In the Enclosure-Specific Classification section, check the classification data. | The system has taken over the data from the basic classification of the unpackaged product and the fields are prefilled with the following data:   * Classified As field: No Dangerous Goods |  |
| 7 | Check Transport Permissions | In the Transport Permission field, check the transport permission for all displayed modes of transport. | Transport of packaged product FGPCDG03 is allowed for the selected regulation for the corresponding modes of transport. |  |
| 8 | Check the Classification for Other Regulations | Navigate back to the Classify Packaged Dangerous Good (F3710) app. Select another regulation and repeat the steps 5–7. | Transport of dangerous good FGPCDG03 is allowed for all regulations for the corresponding modes of transport. |  |
| 9 | Optional: Release Regulations | Navigate back to the Classify Packaged Dangerous Good (F3710) app. Select the regulation in progress and choose Release. | The classification is released and at the bottom of the screen, a confirmation message is displayed.  Note that if all regulations are released, the product is no longer displayed in the My Packaged Dangerous Goods (F3711) app. |  |

## Optional: Apply Regulations to Countries

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

When you transport dangerous goods into another country, you have to comply with the dangerous goods regulations valid for this country. Compliance involves ensuring that the transport of a dangerous good is allowed for the mode of transport you are using and that the dangerous goods documents are available in the required languages.

For all countries where packaged products should be shipped from or shipped to, the Dangerous Goods Specialist - Product Compliance has to set rules for dangerous goods checks that are carried out in sales documents and delivery documents. If no valid regulations are assigned or if the transport permission is not set to Always Allowed, the system blocks further procession of sales documents and delivery documents.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Fiori launchpad as Dangerous Goods Specialist - Product Compliance. | The SAP Fiori launchpad is displayed. |  |
| 2 | Access App | In the Dangerous Goods Management section, open the Apply Regulations - Dangerous Goods (F3916) app. | The Apply Regulations - Dangerous Goods screen is displayed and shows a world map. |  |
| 3 | Prefill Regulations for Countries | Choose the Prefill Regulations for Countries button. | The system prefills countries with the applicable dangerous goods regulations for the relevant modes of transport. In addition, the system also prefills the required languages tables.  After the data is filled into the corresponding database table, the color of the country with prefilled data changes from gray to orange or green. |  |
| 4 | Check Transport Check Rules for Countries | Select the following countries:   1. A country that is colored in green. 2. A country that is colored in gray. | On the right side of the screen, the Transport Check Rules are displayed for the selected county.   1. For the country that is colored in green, at least one domestic mode of transport has either a regulation assigned or the check rules set to Always Allowed. 2. For the country that is colored in gray, all modes of transport have the check rule set to Always Forbidden. |  |
| 5 | Set Transport Check Rules to Always Allowed | To set the transport rules to Always Allowed, proceed as follows:   1. Select a country that is colored in gray 2. On the right side of the screen, in the Transport Check Rules section, select a regulation. 3. From the Specify Check Rule dropdown menu, select Transport Allowed. | On the right side of the screen, the Transport Check Rules section, the text Always Allowed is displayed for the selected mode of transport. In the map, the color of the country is changed accordingly. |  |
| 6 | Set Transport Check Rules to Regulation Dependent | To set the transport rules to Regulation Dependent, proceed as follows:   1. Select a country that is colored in gray 2. On the right side of the screen, in the Transport Check Rules section, select a regulation. 3. From the Specify Check Rule dropdown menu, select Regulation Dependent. 4. In the Select Regulation screen, select the regulation that you want to assign to the selected mode of transport. 5. In the Regulation screen, select the official languages and save your entries. 6. Select the Display Languages link and choose Edit to specify additional languages to departure and destination countries. | On the right side of the screen, the Transport Check Rules section, the regulation and a link to edit languages are displayed for the selected mode of transport. In the map, the color of the country is changed accordingly. |  |

# Appendix

## Process Integration

The process to be tested in this test script is part of a chain of integrated processes.

### Preceding Processes

The are no processes and conditions that precede this process.

### Succeeding Processes

After completing the activities in this test script, you can continue testing the following business processes:

|  |  |
| --- | --- |
| Process | Business Condition |
| Scope item 3G8 - Dangerous Goods in Sales | * Material Finished Good DG 5l is classified as dangerous goods with transport permission Allowed. * Material Finished Good DG 40l is classified as dangerous goods with transport permission Allowed with Restrictions. * Material Finished Good no DG is classified as no dangerous goods with transport permission Allowed. |

# Classify All Regulations

Classify the product according to all assigned dangerous goods regulations.

Classify the product according to all assigned dangerous goods regulations.

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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