

ABBYY



ABBYY Vantage

Customs Declaration (EU) Document Skill Guide

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About ABBYY Vantage

ABBYY Vantage is a comprehensive Content Intelligence platform that provides AI-powered cognitive services and pre-trained and trainable skills that can "understand" business documents and extract actionable data and insights.

This no-code / low-code platform makes today's digital worker and processes smarter and empowers the new citizen developer to accelerate digital transformation initiatives and expand automation to new processes in a fast and simple way, making an immediate impact on business results and customer experience.

Types of documents that can be processed with Vantage

Vantage is capable of processing structured, semi-structured, and unstructured documents in a variety of input formats and languages.

- **Structured documents** are documents which always include the exact type of information in the exact same locations. One example of structured documents are pre-formatted forms.
- **Semi-structured documents** are documents which generally include the same or similar information, but in each document the location, size, and number of fields may vary from document to document. Examples of semi-structured documents are bills, payment orders, and invoices.
- **Unstructured documents** are documents which consist of continuous text. Required information is usually located inside a sentence that can be on any page of the document. Examples of unstructured documents are contracts, lease agreements, and e-mail messages.



Note: Use Advanced Designer to create skills for extracting data from unstructured documents.

The Vantage platform comes with a set of built-in skills, which can extract data from certain document types out-of-the-box (i.e. invoices, purchase orders, receipts, bills of lading, delivery notes). These skills can be adjusted according to specific requirements and further trained based on customer-specific documents.

Vantage users have also the option to design and train a completely new Document skill, Classification skill, and/or Process skill based on their own document set.

Customs Declaration (EU) - Document Skill

The **Customs Declaration (EU)** skill extracts data from customs declarations for goods transported across the borders of EU countries. A customs declaration is a document that contains information about the consignor, the consignee, the declarants, as well as the goods being transported and their means of transport.

This skill can be used to process customs declarations for goods both entering and leaving EU countries.

The Customs Declaration (EU) skill is a preview skill. It has been trained on a small document set and is intended to be used by citizen developers as a quick-start basis for processing customs declarations. The skill may require further training on your specific documents in order to be used in production scenarios.

Supported Languages

- English
- German

- French
- Spanish
- Italian
- Dutch

Extracted Fields

Field		Description
Movement Reference Number		The Movement Reference Number (MRN).
Movement Reference Number Barcode		The MRN barcode.
Issuing Date		The date on which the declaration was issued.
Customs Office		The customs office identifier.
Declaration Type	Part 1	<p>First subdivision of the declaration type code. Can have the one of the following values:</p> <ul style="list-style-type: none"> • EU for shipping within the EU, • EX for shipping to non-EU countries, • CO for shipping to territories related to EU countries, • IM for importing goods to EU countries.
	Part 2	<p>Second subdivision of the declaration type code. Can have the one of the following values:</p> <ul style="list-style-type: none"> • A for a normal declaration, • B for an incomplete declaration, • C for a simplified declaration, • D for a normal declaration (type A) lodged before the declarant is able to present the goods, • E for an incomplete declaration (type B) lodged before the declarant is able to present the goods, • F for a simplified declaration (type C) lodged before the declarant is able to present the goods.
	Part 3	Third subdivision of the declaration type code (can be blank).

Field		Description
Forms (repeating group)	Part 1	The declaration page number.
	Part 2	The total number of pages.
Security Declaration		<p>Specifies whether the declaration contains additional risk analysis documents regarding the transported goods. Can have one of the following values:</p> <ul style="list-style-type: none"> • S - contains additional documents, • <empty field> or 0 - does not contain additional documents.
Items		The number of items in the shipment.
Total Packages		The total number of packages.
Reference Number (repeating group)		The reference number (for tracking).
Transport Charges Method of Payment Code		The code for the method of payment used to cover transport charges.
Consignor	Name	The consignor's name.
	Address	The consignor's address.
	EORI Number	The consignor's Economic Operators Registration and Identification (EORI) number.
Consignee	Name	The consignee's name.
	Address	The consignee's address.
	EORI Number	The consignee's Economic Operators Registration and Identification (EORI) number.
Declarant (repeating group)	Name	The declarant's name.
	Address	The declarant's address.
	EORI Number	The declarant's Economic Operators Registration and Identification (EORI) number.
Export Country Code		The consignor's country code.
Destination Country Code		The consignee's country code.
Countries of Routing Codes		The codes for countries of routing for the shipment.

Field		Description
Identity of Means of Transport at Departure		The identifier for the means of transport at departure.
Nationality of Means of Transport at Departure		The country of registration of the transport at departure.
Container		Specifies whether the goods are being shipped in a container. Can have one of the following values: <ul style="list-style-type: none"> • 0 - shipped without a container, • 1 - shipped in a container.
Identity of Means of Transport at Border		The identifier for the transport shipping the goods when they are presented at the border.
Nationality of Means of Transport at Border		The country of registration of the transport shipping the goods when they are presented at the border.
Currency		The currency used to specify the value of the goods in the declaration.
Total		The total value of the shipped goods.
Exchange Rate		The currency exchange rate.
Mode of Transport at Border		The mode of transport used to arrive at the border (road, rail, air, sea).
Internal Mode of Transport		The internal mode of transport of the goods (road, rail, air, sea).
Customs Office of Exit		Identifier of the customs office that released the goods.
Location of Goods		The location where the goods are stored before customs clearance.
Gross Weight in KG		The total gross weight of the packaged goods (in kilograms).
Seal Number		The seal number.
Control by Office of Dispatch	Result	Other information specified by the customs office.
	Seals Affixed	
	Seals Identity	
	Time Limit	


Key Fields

- Movement Reference Number

- Declaration Type/Part 1
- Declarant/Name
- Declarant/EORI Number
- Customs Office of Exit

Using a Skill in ABBYY Vantage

To use a skill in ABBYY Vantage, you need to import it to your **Skill Catalog**.

To import a skill, open the **Skill Catalog** and click the  **Import** button in the toolbar. In the dialog box that will open, specify a path to the archive that contains the skill you are importing.


This skill will be uploaded to your **Skill Catalog** and published.

If the chosen archive is larger than 2 GB, you will see a dialog box with a link to a shared folder and its credentials.

You should open this folder and upload the archive. The skill will be imported to Vantage automatically. The archive will then be deleted from the shared folder. All files uploaded to this folder afterwards will be transferred to the exception folder. Hence you may use this folder to import only one skill. The folder remains active for 14 days.

The version of the imported skill will be 1.0. If such a skill previously existed in the tenant and was deleted, the version number of the deleted skill will be incremented and assigned to the imported skill. The version number of the imported built-in skills is always the same as at the time of export.

If the skill you are importing already exists in your **Skill Catalog**, ABBYY Vantage will display a warning message and will ask whether you want to create a new version of the existing skill or save the new skill under a different name. If you choose the latter, the new skill will be called *<Imported skill name New>*.

 **Note:** Vantage supports the import of skills exported from Advanced Designer. However, such skills will only be trainable in Vantage if a Fast Learning activity was added to the document processing flow in Advanced Designer.

Importing a Document skill with data catalogs

Data catalogs exported with a skill are imported according to the table below:

Does a catalog with the same name exist in your tenant?		Import of the catalog	Import of the data (if data was exported)
No		The catalog is imported.	The data is imported.
Yes	The set of columns and their types are the same.	The catalog is not imported.	The data is imported. Previous data in the catalog is lost.
	The set of columns and/or their types differ.	The catalog is imported with the name <Catalog_name Skill_name>.	The data is imported.


Importing a Process skill

If you import a Process skill that was exported without referenced skills, you have to make sure that all the referenced skills exist in the **Skill Catalog**. If necessary, such skills should be imported before the Process skill, otherwise you'll get an error when importing the Process skill.


If you import a Process skill that was exported with referenced skills, they will be imported as follows:


- If such a skill exists in the Catalog, it will not be imported. The skill from the Catalog will be used, even if the skill in the import archive has a newer version.
- If a skill with the same name exists in the Catalog, the skill will be imported and renamed. The link in the Process skill will be updated.

If the imported skill has shared folder import set up, this feature needs to be enabled manually after the import.

 **Note:** The availability of this feature depends on the user's role. For more information about roles, see Role-Based Access Control.

To publish a skill:

1. Select one by left-clicking it and then click  **Publish** in the toolbar. This will open the Skill Designer's **Publish** tab, where you will have to fill out some information.
2. Click the **Publish Skill** button either at the bottom of the Skill Designer window or in the **Actions** pane.

 **Note:** The availability of this feature depends on the user's role. For more information about roles, see Role-Based Access Control.

You can start using a skill right away or try it out on your documents first. To try out a skill, click the **Try** button in the **Skill Catalog**.

For more information on importing, publishing, or trying out skills, please refer to the ABBYY Vantage Skill Catalog Guide.

If a skill does not fully meet your processing requirements, you can edit it to suit your needs. For detailed instructions, please refer to the ABBYY Vantage Skill Designer Guide.

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