

ABBYY



ABBYY Vantage

International Consignment Note (CMR)
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.

International Consignment Note (CMR) - Document Skill

The **International Consignment Note (CMR)** skill extracts data from international consignment notes. A consignment note is a document put together and filled out by the shipper, consignee, and carrier for internationally sent goods. It contains a list of items being transported, their characteristics, shipping details, and information about the shipper and consignee.

The International Consignment Note 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 consignment notes. The skill may require further training on your specific documents in order to be used in production.

Supported Languages

- English

- German
- French
- Spanish

Extracted Fields

Field		Description
Shipper	Name	Information about the shipper.
	Address	
	Country	
	State or Province	
	City	
	Postal Code	
	Street	
	Signature and Stamp	
Consignee	Name	Information about the consignee.
	Address	
	Country	
	State or Province	
	City	
	Postal Code	
	Street	
	Signature and Stamp	
Carrier	Name	Information about the carrier.
	Address	
	Country	
	State or Province	
	City	
	Postal Code	

Field		Description
	Street	
	Signature and Stamp	
Successive Carrier	Name	Information about the successive carrier.
	Address	
	Country	
	State or Province	
	City	
	Postal Code	
	Street	
Place of Delivery of Goods	Address	The delivery location for the goods.
	Country	
Place and Date of Taking Over of Goods	Address	The location and date of loading.
	Country	
	Date	
List of Annexed Documents		A list of annexed documents (e.g., invoice, packing list, etc.).
Line Items (repeating group)	Marks and Numbers	Special numbering and marking on the packaging.
	Number of Packages	The number of packages of the goods.
	Type of Packaging	The package type. The value of this field can either be a name in full (e.g. "Palett") or a code (e.g. PLT).
	Nature of Goods	The name of the types of goods. If the goods are classified as hazardous, the name and class of the hazardous goods should be specified according to the European Agreement concerning the International Carriage of Dangerous Goods by Road.
	HS Code	The HS code of the goods.
	Gross Weight	The gross weight of the goods.

Field		Description
	Weight UoM	The unit of measurement used for the weight (kilos, pounds, etc.).
	Volume	The volume of the goods.
	Volume UoM	The unit of measurement used for the volume (liters, cubic meters, etc.).
Totals	Total Number of Packages	The total number of packages of the goods.
	Total Packages UoM	The unit of measurement for the goods (units, packages, etc.).
	Total Weight	The total weight of the shipment.
	Total Weight UoM	The unit of measurement used for the weight (kilos, pounds, etc.).
	Total Volume	The total volume of the shipment.
	Total Volume UoM	The unit of measurement used for the volume (liters, cubic meters, etc.).
Document Number		The consignment note number.
Place of Issue		The consignment note place of issue.
Date of Issue		The consignment note date of issue.
Loading	Arrival Date	The arrival date of the transport for loading.
	Arrival Time	The arrival time of the transport for loading.
	Departure Date	The departure date of the transport after loading.
	Departure Time	The departure time of the transport after loading.
Discharge	Arrival Date	The arrival date of the transport for discharge.
	Arrival Time	The arrival time of the transport for discharge.
	Departure Date	The departure date of the transport after discharge.
	Departure Time	The departure time of the transport after discharge.
Terms of Delivery		The delivery terms. This field can contain any names, three-letter codes, or Incoterms rule names in full:

Field	Description
	<ul style="list-style-type: none"> • EXW: EX Works, • FCA: Free Carrier, • FAS: Free Alongside Ship, • FOB: Free On Board, • CFR: Cost And Freight, • CNF: another variant for Cost And Freight, • CIF: Cost Insurance Freight, • DAP: Delivered At Place, • DTU: another variant for Delivered At Place, replace with DAP, • DPU: Delivered at Place Unloaded, • CPT: Carriage Paid To, • CIP: Carriage Insurance Paid, • DDP: Delivered Duty Paid, • DDU: Delivered Duty Unpaid.
Value of Goods	The declared value of the goods.
Currency	The currency of the amounts in the consignment note.
Sender's Instructions	The shipper's special instructions that may affect transportation (e.g., customs guidelines).
Carrier Remarks	The remarks of the carrier regarding the state and packaging of the goods.
Special Agreements of Carriage	Special shipping agreements.
Number Plate	The registration number of the transport.
Trailer Number Plate	The registration number of the trailer.
Goods Received Date	The date on which the goods are received.

Key Fields

- Date of Issue


- Document Number
- Shipper/Name

Validation Rules

Rule	Description
Check quantity total	Checks if the value in the Totals/Total Number of Packages field equals the sum of the values in the Number of Packages fields in the Line Items table, and displays an error if the values do not match. If the values are not the same, or some of the fields are missing, the rule prompts the user to populate fields with the calculated value.
Check weight total	Checks if the value in the Totals/Total Weight field equals the sum of the values in the Gross Weight fields in the Line Items table, and displays an error if the values do not match. If the values are not the same, or some of the fields are missing, the rule prompts the user to populate fields with the calculated value.
Check volume total	Checks if the value in the Totals/Total Volume field equals the sum of the values in the Volume fields in the Line Items table, and displays an error if the values do not match. If the values are not the same, or some of the fields are missing, the rule prompts the user to populate fields with the calculated value.
Copy quantity UoM	If specified in one or several fields, copies the values from the Type of Packaging fields in the Line Items group to all appropriate fields in Line Items and Totals .
Copy weight UoM	If specified in one or several fields, copies the values from the Weight UoM fields in the Line Items group to all appropriate fields in Line Items and Totals .
Copy volume UoM	If specified in one or several fields, copies the values from the Volume UoM fields in the Line Items group to all appropriate fields in Line Items and Totals .

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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