

Import Cargo Management



INSTRUCTION: 'CONNECT System Interface' **SERVICE: Notification Import Documentation (forwarders, transporters, importers)**

Contents

Why the instruction 'Connect System Interface'?	2
Step-by-step plan.....	2
Introduction to the service.....	3
Process flow of the service	4
Message flow of the service	5
System Interface transfer protocols	8
Dataset.....	8
Message specifications.....	8
Troubleshooting	8
Contact.....	8
Appendix: PCS connection using FTP.....	9

Import Cargo Management



Why the instruction 'Connect System Interface'?

This instruction serves to support the customer and software supplier for the rapid and efficient realisation of a System Interface connection for the desired service. It contains a step-by-step plan and the information necessary for a successful realisation

Step-by-step plan

Software Supplier – Information and Implementation	
1. Information that Portbase supplies:	- Instructions, message specifications, application forms and step-by-step plan for connection process
2. Coordination of technical details, check of message structure and data with interface specialists	- Communication channel: e-mail address for error message (in case of SMTP), software supplier's contact details
3. Configure PCS account in account management	- Service Desk
4. Implementation of test phase (not production or chain)	- Customer / Software supplier - Portbase: Interface specialists
5. Configure PCS account in message configuration	- Interface Specialist(s)
6. Support during realisation	- Service Desk and Interface Specialists
7. Activation of terminal and document type in PCS Production	- Sales support/ Sales Manager by means of terminal contract(s)

Import Cargo Management



Introduction to the service

The Notification Import Documentation service allows you to easily and electronically register the all numbers of your customs documentation for an import cargo at the terminal. You can then transport the containers from the terminal or have them transported without paper customs documentation. Everyone can work more efficiently. This applies to the submitting forwarder, transporter or importer and also to the terminal.

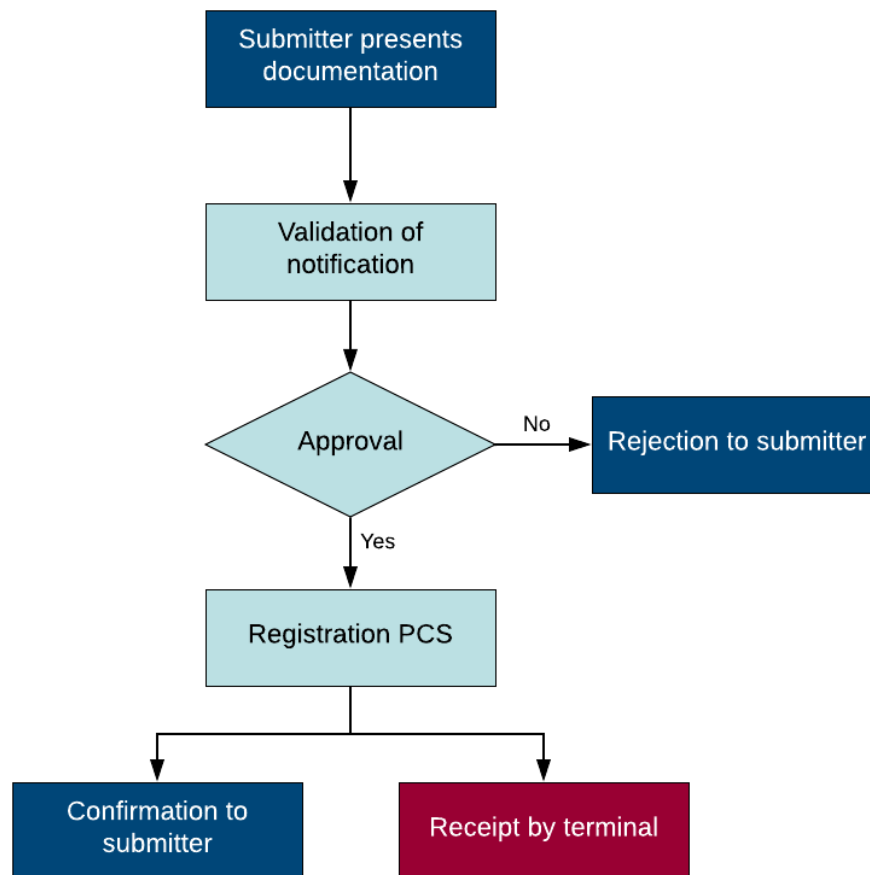
For detailed information about the service we refer to the factsheet to be found via <https://www.portbase.com/en/services/notification-import-documentation/>

Import Cargo Management



Process flow of the service for Container terminals (V1)¹

Illustration of the logical process

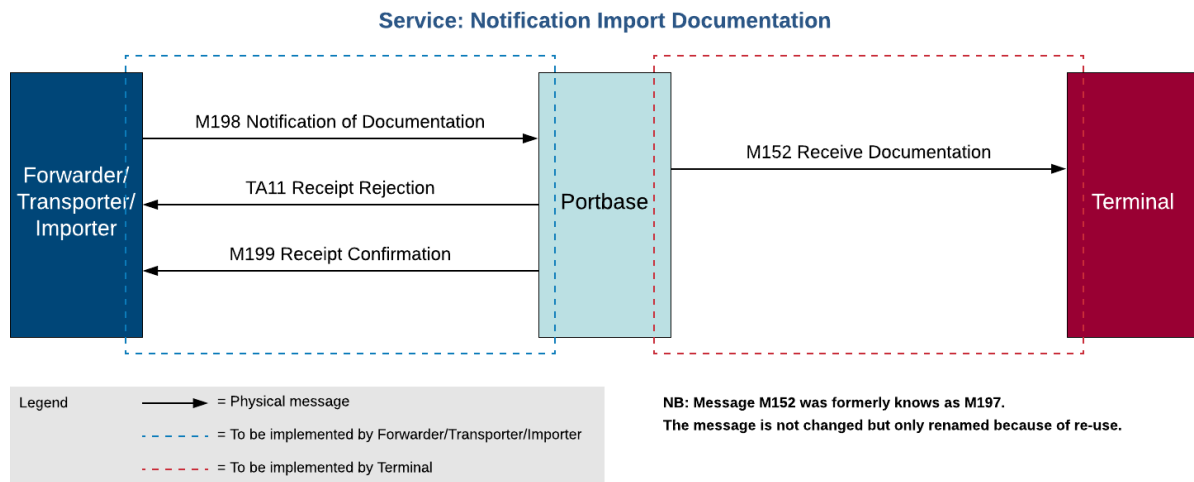


¹ Process flow V1 no longer supported for new connections (submitters and terminals)

Import Cargo Management



Message flow of the service for Container terminals (V1)²



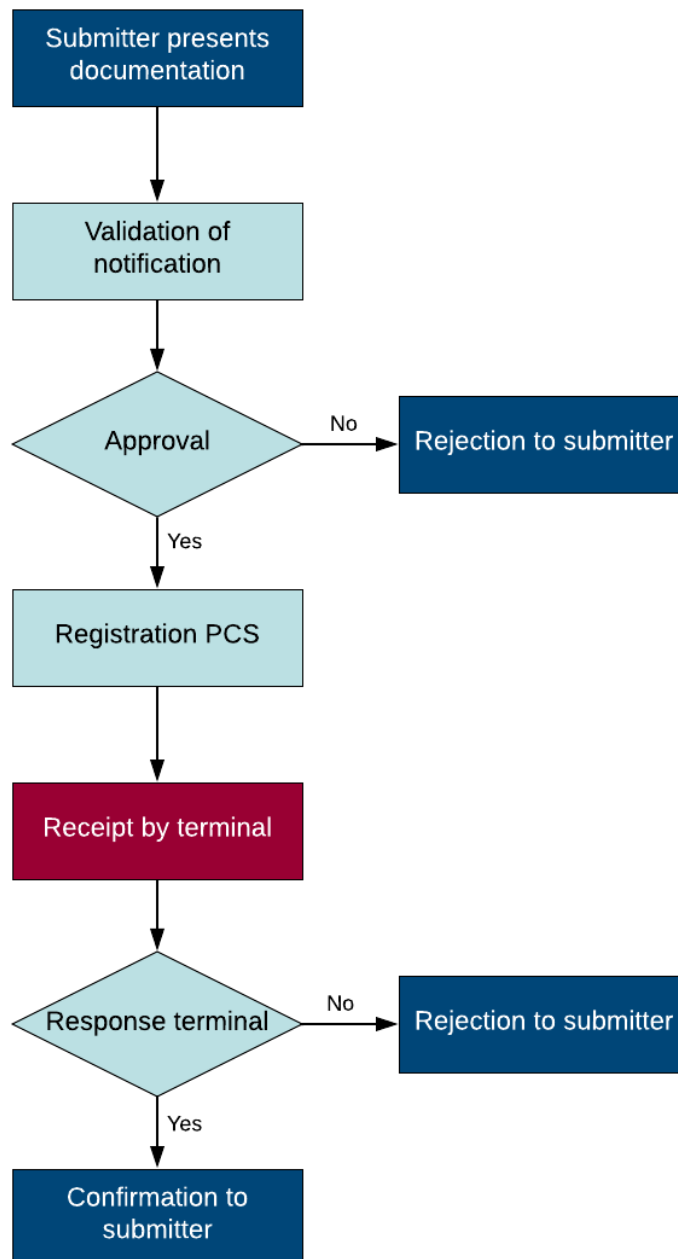
² Message flow V1 no longer supported for new connections (submitters and terminals)

Import Cargo Management



Process flow of the service for Ferry- and Container terminals (V2)

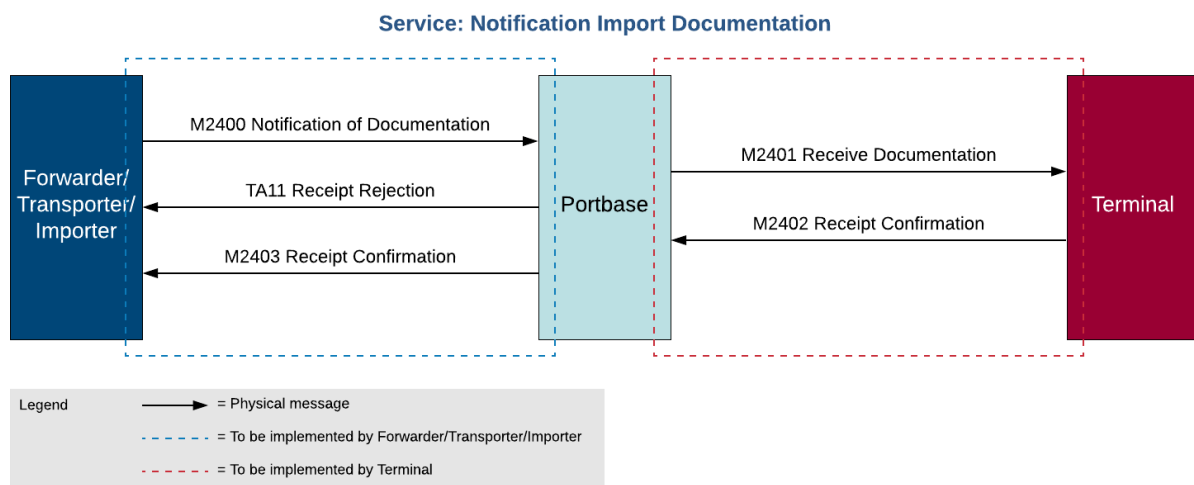
Illustration of the logical process



Import Cargo Management



Message flow of the service for Ferry- and Container terminals (V2)



Import Cargo Management



System Interface transfer protocols

Portbase supports the following protocols:

- AS1 or SMTP

In order to use e-mail, the SMTP address should be set to edi@pcs.portbase.com.

- AS2 or HTTP

Information is available on request. Only a few clients use this protocol.

- AS3 or FTP

FTP documentation: see appendix.

- Web services

For the time being, connection through web services is message-based.

- MQ – Message Queue

This technology uses EAI; it allows server processes to communicate asynchronously.

Dataset

If you also make use of the web screens in this service, we refer you to the instruction booklet for further explanation of their use (see My Portbase).

Message specifications

Access to the message specifications for use by the software supplier/IT department may be requested from <https://www.portbase.com/en/interfaces/>.

Troubleshooting

For this information, we refer you to the message specifications referred to above.

On matters of detail, you are advised to contact the Interface Specialists via the Service Desk.

Contact

Portbase contact persons	E-mail	Phone
Interface Specialists	interface.specialist@portbase.com	+31 (0)88 - 625 25 00

Import Cargo Management



Appendix: PCS connection using SFTP

Communicating with the PCS using SFTP (VLTrader, v0.1)

Introduction

Portbase offers their customers several ways of electronic communication to exchange messages between their own in-house system and our Port Community System (PCS). This document describes the procedure of pushing and pulling messages via the PCS SFTP channel.

Technical requirements

- The Portbase SFTP services only accept push/pull. This means that you are responsible to place and get the files in the directories.
- The maximum file size is 4 MB. Larger files will be rejected.
- Every customer may have only 100 MB of data on his server space. When you exceed that quota you will get a notification.
- Messages in the *cur* directory (upload and download) will be deleted after 7 days. You have the possibility to delete them earlier, though that is not preferred.

Procedure

The PCS SFTP server can be reached via <ftp.pcs.portbase.com>. By the use of an SFTP client you can log on to this server with your username and password.

A file that is being downloaded or uploaded should always be in the *tmp* directory. In this directory, the file has a locked status and will not be removed.

After a successful download or upload, the file should be moved (not copied!) to the *new* or *cur* directory. In this case the file is unlocked so that it can either be processed or archived.

Step-by-step upload procedure

1. Upload the specific file to directory *upload/tmp/*
2. After successful upload: move the file to directory *upload/new/*
3. When moving the file to the *upload/new/*, the file will immediately be processed by the PCS. A Copy of the file will be stored in the *upload/cur/* directory.
4. After 7 days the file will be automatically deleted.

Step-by-step download procedure

1. Check the directory *download/new/* for new files to download.
2. Move the specific file to directory *download/tmp/*
3. Download the file from *download/tmp/*
4. Move the downloaded file to directory *download/cur/* to show that you have downloaded the file.
After 7 days the file will be automatically deleted.