

COOL - User Guide

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1. What's COOL?

COOL is a web application intended for Domain Managers who wish to access in a single portal, data transmission information and manage the services comprised in the validation architecture. In other words, COOL enables EU users to view key information related to data transmission such as data file format, sender email address or the transmission date. Depending on the business requirements, EU users may also be able to download the original data file as well as the validation reports from STRUVAL and / or CONVAL services and provide input, if required.

1.1. Who can access?

COOL is available to EU users only.

The COOL web app can be accessed [here](#).

1.2. Roles

User: Access transmission information and downloads validation reports;

Manager: S/he is able to create Publication/s and Event/s as well as perform all the actions available to the User;

Support: In addition to the Manager's rights, s/he will be able to create new domains;

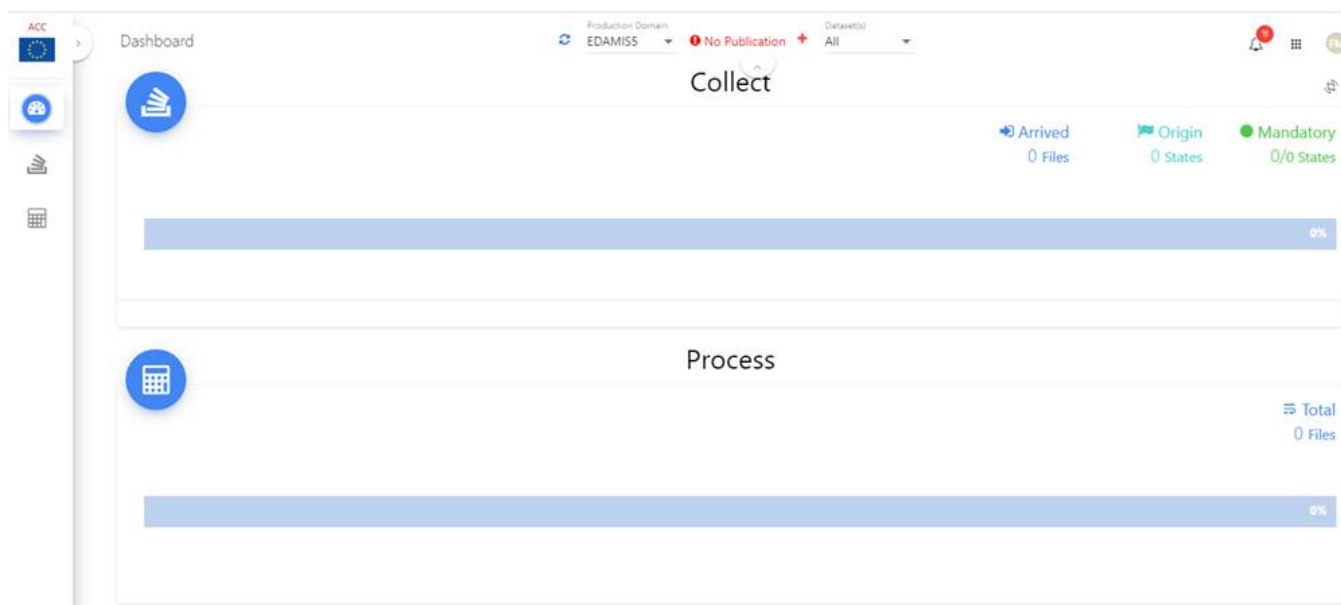
Super admin: Further to the Support's functionalities, s/he overviews all processes and ensures the well functioning of the application.

2. Publication and Event calendar

In the ESS, Members States are often required to send data within an agreed time frame, making the transmission deadline an important milestone in the data process management. The *Publication and Event* functionalities allow users to group data in line with specific business requirements. That is, setting up a *Publication* will enable users to monitor a set of data while the Event will establish the time frame.

2.1. Publication

Publication/s can be set up by COOL *Managers* who have the knowledge to correctly identify the specific datasets. In order to create a *Publication* please click '+' next to 'No Publication'



You will be redirected to a new window where a number of items have to be filled in. In the upper part of the screen, you will be requested to select the *Category* (Publication), enter a *Name* for the publication (free text) and *Periodicity* (in line with data collection requirements). If several publication items are set up, you may want to associate each one of the publication items with a specific color to help you and other users identify them on the calendar.

In the lower part of the window you will be requested to first select the appropriate statistical *Domain*, followed by the datasets/s that will be part of the *Publication*. A *Select All* button is also included, to ease the selection of all available datasets at once.

The *Publication* will be completed after it has been correctly saved.

Category

☒ Publication
 ☐ Domain
 ☐ User

Name *

Aggregated data

[Select Periodicity]

☐ Daily
 ☐ Weekly
 ☐ Monthly
 ☐ Quarterly

☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Domain

Search

☒ EDAMISS
 ☐ EDUCAT
 ☐ ENERGY
 ☐ FISH
 ☐ GNP
 ☐ HCSHA
 ☐ HICP
 ☐ IS4STAT

☐ Select All

+0 Dataset(s)	
COOL1-A	COOL3-A
COOL5-A	COOL4-A

Save

Cancel

2.2. Event calendar

One further step is required to make the most of this functionality. The *Event* will build on the parameters identified in the *Publication* and add important information such as *Reference period* and the date on the calendar, so the datasets selected in the *Publication* will be grouped according to a chosen reference period which is identified in the *Event*.

In order to create an *Event* please click *No Event*. A pop up window will then appear, reusing the information already provided in the *Publication* such as *Name* and *Periodicity*. Please introduce a *Reference period* and select the deadline for that specific event (Date), that support your business-defined time line.

Collect

Add Event

Type *

● Aggregated (Publication)

Periodicity

Annual

Title *

Aggregated 2019

Comments

Data transmission ends

Reference Period

<  > 2019

Date *

24/06/2020

Time



11:00

Occurrences

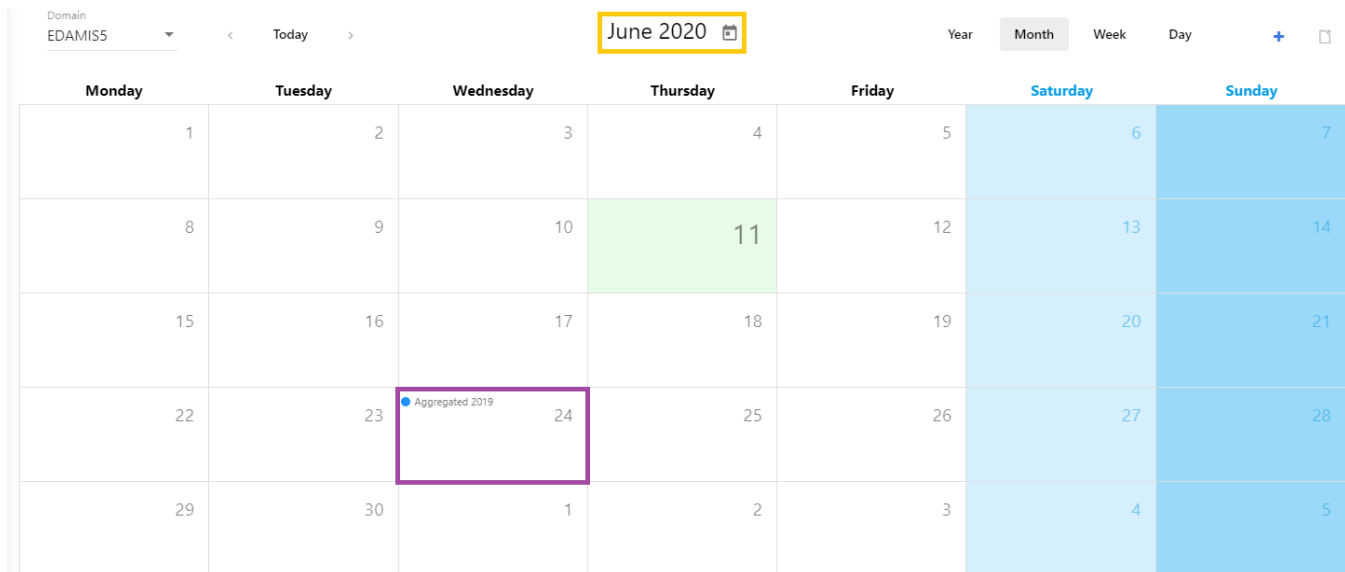
1

Save

Cancel

The resulting Publication and Event selection will be reflected in the banner, located at the top of the web app, as well as on the calendar.

Collect



Please note that *Event Types* and *Events* can be accessed on Settings / Administration / Event Types and Settings / Calendar respectively.

3. Dashboard (Transmission and Validation)

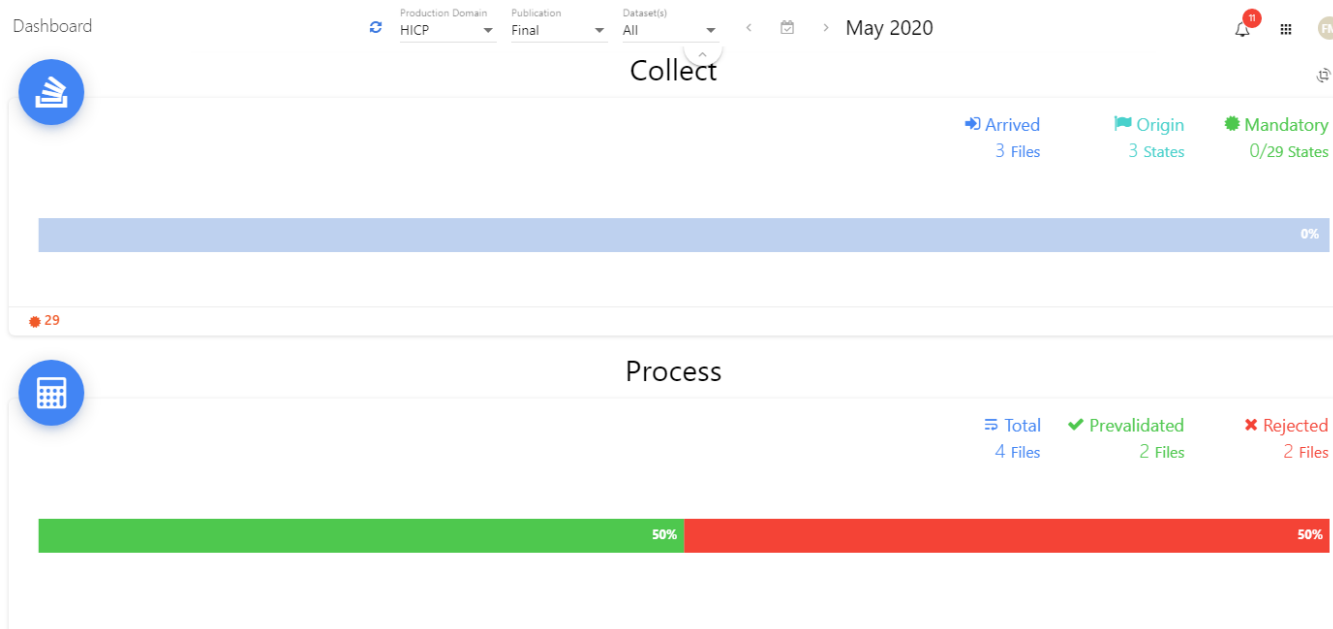
The dashboard provides an overview of the data files that have been transmitted to Eurostat as well as the data files that have been processed via its validation architecture. The two processes are reflected in the Collect and Process windows, respectively.

The dashboard will show data according to the parameters identified in the *Publication* (set of datasets & periodicity) and *Event* (reference period & date), splitting the information into:

Collect window

Data files that have been transmitted to Eurostat broken down by useful categories:

- Arrived: Number of files that have been transmitted successfully;
- Origin: Number of sender countries;
- Mandatory: Number of sender countries from which the data are mandatory;
- The star icon Represents the number of missing mandatory countries. If selected, the full list of missing mandatory countries can be displayed;
- The bar line: Provides the percentage of submitted countries in relation to what's Mandatory.



Process window

Data files that have followed the business-defined validation workflow.

- Total: refers to the total number of files that were processed;

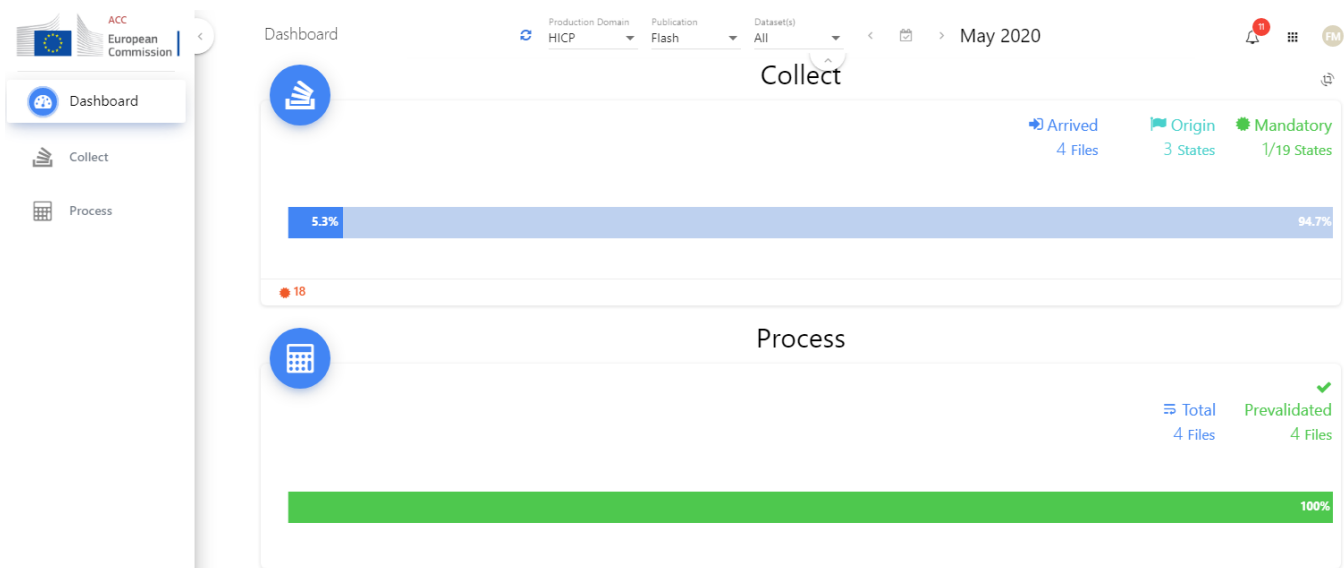
Depending on the validation status of the transmitted files, the following indicators may be available

- Prevalidated: Number of files that the validation services did not find any errors (Please note that this may refer to only STRUVAL or CONVAL or both, depending on the business' needs);
- Rejected: Number of files that which contain errors and therefore could not be Prevalidated;
- Warning: CONVAL service found some cases for which action from the COOL Manager / User is required;
- Info: No action is required, the file is prevalidated. But still CONVAL makes a note;
- The bar line: Represents the percentage of prevalidated and/or rejected files.

3.1. Collect (transmission)

The Collect page comprises extensive information on each one of the files that have been transmitted to Eurostat.

You can enter the Collect page by either clicking one the three indicators available (Arrived, Origin or Mandatory) or selecting the Collect tab, located on the left pane.



In the Collect page you can view the following information

- Country: The country associated to the data file;
- Dataset: The name of the dataset use for the data transmission in EDAMIS;
- Period: Reference period for the data collection;
- Version: The number will correspond to the number of times that a data file was sent for a given Country, Dataset and Period;
- Format: The format of the data file that was transmitted;
- Arrive time: The date and time of the data file being received;
- Comment: Any additional comments provided by the sender;
- Note: Additional file accompanying the data file;
- Sender: email address of the person sending the data file.
- Contact: Generates an email which may be used to contact an user

You can filter by each one of the above categories to ease your search. In order to active the filter please click



Collect


Production Domain: HICP, Filter By: Period, Publication: Flash, Dataset(s): All, May 2020

Search

<input type="checkbox"/>	Country	Dataset	Period	Version	Format	Arrived Time	Comment	Note	Sender	Contact
<input type="radio"/>	Filter...	Filter...	Filter...	Filter...	Filter...	Filter...	Filter...	Filter...	Filter...	Filter...
<input type="checkbox"/>	BE	COVIDFE	May 2020	1	xlsx	16/06/2020 14:43:00			fernando.mor...	
<input type="checkbox"/>	BE	FE	May 2020	1	xlsx	16/06/2020 14:47:00			fernando.mor...	
<input type="checkbox"/>	CT	COVIDFE	May 2020	1	xlsx	16/06/2020 10:31:00			fernando.mor...	
<input type="checkbox"/>	EL	COVIDFE	May 2020	1	xlsx	18/06/2020 11:39:00			fernando.mor...	

All the information comprised in the *Collect* window can be exported to MS Excel by clicking

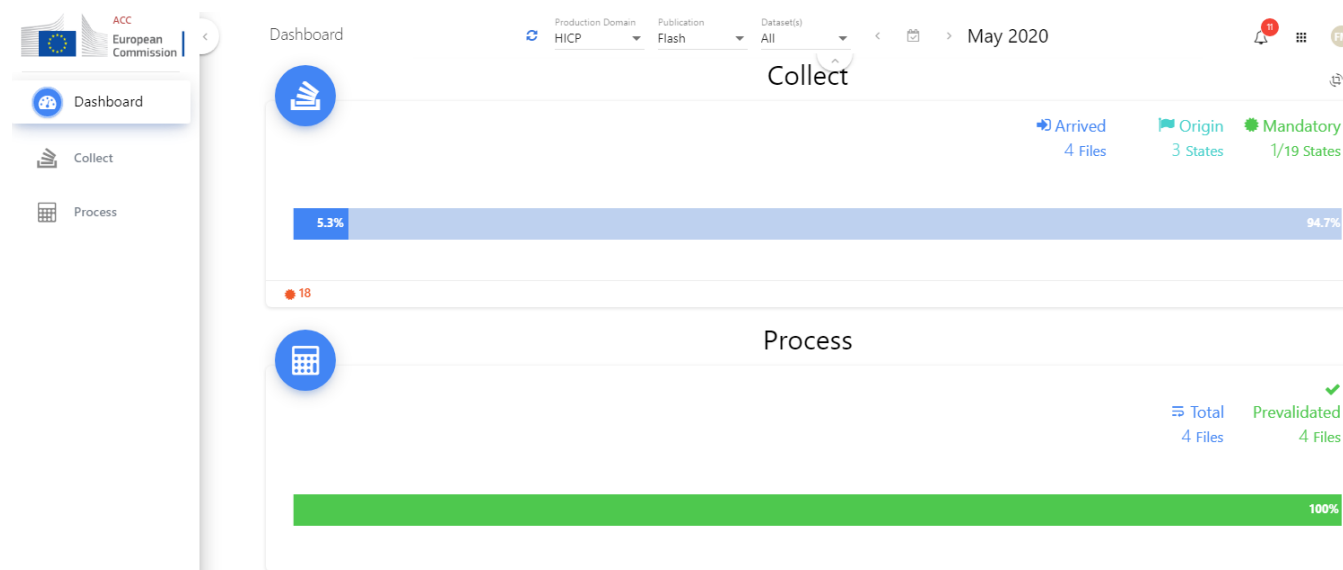


The table's information can be sorted in ascending and/or descending order by selecting the arrow pointing upwards /downwards. Also the column's width can be modified manually, making it possible to revert to the default column by selecting 

3.2. Process (Validation)








Similarly to *Collect*, you can get more detailed information about all the files that call the validation services in *Process*.

You can access the Process page by either clicking on one of the indicators available (Total, prevalidate, etc) or selecting the Process tab, located on the left pane.



In the Process page you can view the following information

- **Country:** The country associated to the data file;
- **Dataset:** The name of the dataset use for the data transmission in EDAMIS;
- **Period:** Reference period for the data collection;
- **Version:** The number will correspond to the number of times that a data file was sent for a given Country, Dataset and Period;
- **Format:** The format of the data file that was transmitted;
- **Note:** Additional file accompanying the data file;
- **Loaded Date:** Time and date when the data file started the validation process;
- **Status:** Outcome of the validation process. 4 categories are available: Prevalidated, Warning, Rejected and Info.;
- **Description:**
- **Action:** The user and/or Manager will interact and manually decide whether a data file which status is Warning should be 'prevalidated' or 'rejected'.

Process									
<div> <div>Production Domain</div> <div>Filter By</div> <div>Publication</div> <div>Dataset(s)</div> </div> <div> <div>HICP</div> <div>Period</div> <div>Flash</div> <div>All</div> </div> <div>May 2020</div>									
<div> <div>Prevalidated</div> <div>Warning</div> <div>Rejected</div> <div>Info</div> </div>									
Country	Dataset	Period	Version	Format	Note	Loaded Date	Status	Description	Actions
 BE	COVIDFE	May 2020	1	xlsx		16/06/2020 14:4...	Prevalidate d		
 BE	FE	May 2020	1	xlsx		17/06/2020 10:0...	Prevalidate d		
 C1	COVIDFE	May 2020	1	xlsx		16/06/2020 10:4...	Prevalidate d		
 EL	COVIDFE	May 2020	1	xlsx		18/06/2020 11:4...	Prevalidate d		

The information available on the showing list can be sorted by ticking one or several 'Status' categories. As result, the *Process* page will show only those data files which comply with the selection.

Also, in the *Collect* window, the information can be exported by selecting  and then identifying the parameters and preferred format.

×

Export Process Data

File Name *

PROCESS_EXPORT_1592992038796

☒ Headers

Format

☒ Excel ☐ CSV

Include

☒ All Pages ☐ Current Page

Columns

<input checked="" type="checkbox"/> File Name	<input checked="" type="checkbox"/> Country
<input checked="" type="checkbox"/> Domain	<input checked="" type="checkbox"/> Dataset
<input checked="" type="checkbox"/> Period	<input checked="" type="checkbox"/> Periodicity
<input checked="" type="checkbox"/> Loaded Date	<input checked="" type="checkbox"/> Status

10 lines to export

Cancel

Export

4. Products

Besides providing key information regarding the transmission and validation of data files, COOL enables users to download a number of key products which enhance the user in take in those two processes.

4.1. Original file

Being able to access the *Original file* that has been transmitted to Eurostat may support users to view and analyse the data.


You can access the *Original file* by selecting the appropriate line in the *Process* page. A new window will open up with the *Original file* button appearing on the left hand side. The file will keep the original format i.e. XML, MS Excel, etc.






Process Detail

Original File

Struval Report

Belgium


COVIDFE
May 2020

Operation	Status	Description	Timestamp	User	Actions
Deliver File	Succeeded	Send file service executed. Please see logs...	16/06/2020 14:46:19	InputHall	
File Processed	File Processed		16/06/2020 14:46:19	InputHall	
Workflow Finished	File Processed		16/06/2020 14:46:19	InputHall	
Check Dataset Retention Configuration	Succeeded	File to be deleted at 2020-06-23 14:46:21 ...	16/06/2020 14:46:19	InputHall	
Start Activation	Done		16/06/2020 14:46:18	InputHall	
Activate File	Succeeded	Activation Succeeded	16/06/2020 14:46:18	InputHall	 
Check file Sequence	Succeeded	Dataset not sequential => Sequence valid...	16/06/2020 14:46:18	InputHall	

4.2. STRUVAL report

The first validation service offered to users will look at the data file respects certain agreed elements in the data transmission such as file format, codes that belong to a specific codelist, etc. The STRUVAL report is produced in accordance to a well defined template. A [user guide](#) which describes the structure of the report as well as all types of potential errors is available.


Similarly to the previous case, you can access the STRUVAL report by selecting the corresponding file in the *Process* page, and then clicking STRUVAL report. You can open the STRUVAL report using WordPad.





Process Detail

Original File

Struval Report

Bulgaria


COVID
May 2020

Operation	Status	Description	Timestamp	User	Actions
Deliver File	Succeeded	Send file service executed. Please see logs...	16/06/2020 10:42:18	InputHall	
File Rejected	File Rejected		16/06/2020 10:42:18	InputHall	
Additional File(s) Delivered	Additional File(s) Delivered	HICP_COVID_M_BG_2020_0005_V0001.xlsx	16/06/2020 10:42:18	InputHall	
Workflow Finished	File Rejected		16/06/2020 10:42:18	InputHall	
Check Dataset Retention Configuration	Succeeded	File to be deleted at 2020-06-23 10:42:20 ...	16/06/2020 10:42:18	InputHall	
Start Activation	Done		16/06/2020 10:42:17	InputHall	
Activate File	Succeeded	Activation Succeeded	16/06/2020 10:42:17	InputHall	 

4.3. CONVAL report

A second validation service is available to business units who wish to perform checks on the content of the data file. The content validation service comprises a set of validation rules that will be used to verify its content. This service complements the the previous one and together they ensure that the transmitted data file is compliant with agreed format and content rules.

The CONVAL report will also be available on the *Process* page, where a CONVAL report button will appear, in the specific data file.

Original File

Struval Report

Convall Report

Austria

FE

May 2020

Process Detail

Search

Operation	Status	Description	Timestamp	User	Actions
File Processed	File Processed		28/05/2020 09:55:53	InputHall	
Workflow Finished	File Processed		28/05/2020 09:55:53	InputHall	
Check Dataset Retention Configuration	Succeeded	File to be deleted at 2020-06-27 09:55:55 CEST	28/05/2020 09:55:53	InputHall	
Deliver File	Succeeded	Send file service executed. Please see logs for more d...	28/05/2020 09:55:52	InputHall	
Produce notification signal	Succeeded	Processed.	28/05/2020 09:55:52	InputHall	
Consume notification signal	Succeeded	Processed.	28/05/2020 09:55:52	InputHall	
Zip File	Succeeded	Zip file service executed. Please see logs for more det...	28/05/2020 09:55:50	InputHall	
Call CONVAL Service	Succeeded	Content validated with Success for program AGENCY_...	28/05/2020 09:55:39	InputHall	
Additional File(s) Delivered	Additional File(s) Delivered	HICP_FE_M_AT_2020_0005_V0001.xml	28/05/2020 09:55:38	InputHall	
Get CONVAL configurations	Succeeded	Convall get configurations service executed. Please see...	28/05/2020 09:55:38	InputHall	
Call TRANSFORMATION Service	Succeeded	Transformation success [SDMX Converter v7.8.2]	28/05/2020 09:55:37	InputHall	

4.4. Action required

In certain cases, because the way that validation rules were created, the user may be required to provide input. These cases are grouped in the *Warning* status, meaning that only files with that status will show a binary choice in the *Actions* column, prompting the

user to manually Accept , Reject or Retry CONVAL .

As in all previous cases, actions column is accessible on the *Process* page and the corresponding icons will only be visible to data files which status are *Warning*.

Process

Technical

Loaded

From 20/06/2019 To 19/06/2020

Prevalidated

Warning

Rejected

Info

Country	Domain	Dataset	Period	Version	Format	Note	Loaded Date	Status	Description	Actions
FR	NASEC	T0801	Q2 2019	1	xlsx		23/09/2019 15:29:59	Warning	Waiting for user action	
FR	VNAMAIN	T0120	2018	2	xml		21/08/2019 10:33:51	Warning	Waiting for user action	
FR	VSTSSERV	TURN	January 2019	2	xml		05/11/2019 15:06:35	Warning	Waiting for user action	
FR	VSTSIND	PROD	December 2018	1	xml		05/11/2019 17:37:30	Warning	Waiting for user action	
FR	VSTSSERV	PROD	January 2019	2	xml		05/11/2019 15:06:34	Warning	Waiting for user action	