

# How to join ECHA's System-to-System integration service

# ABC

## Disclaimer

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Version	Changes	
1	Initial version	July 2019
2	Small update to align with SCIP	February 2020

## How to join ECHA's System-to-System integration service

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If you have questions or comments in relation to this document please send them (quote the reference and issue date) using the information request form. The information request form can be accessed via the Contact ECHA page at: <http://echa.europa.eu/contact>

## European Chemicals Agency

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# 1. Introduction

## 1.1 Purpose

The purpose of this document is to describe the steps industry needs to take in order to start using the ECHA's System-to-System integration service.

The System-to-System integration service allows companies to interact with the ECHA Submission portal via RESTful API calls.

By registering to this service, companies can obtain the information necessary to authenticate the API calls to the ECHA Submission portal and use the service to submit their notifications.

This document does not cover the technical aspects of the System-to-System integration, i.e. the RESTful API exposed by ECHA Submission portal and the security model to be implemented, which are covered in [3].

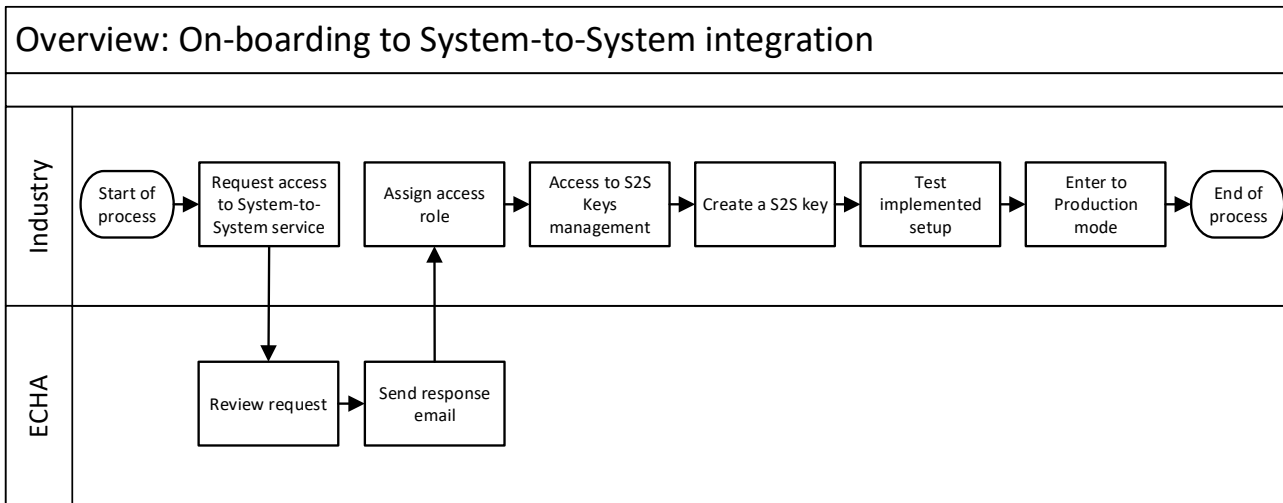
## 1.2 References

#	Description
1.	ECHA Submission portal - <a href="https://ecs.echa.europa.eu/cloud/submissions/list">https://ecs.echa.europa.eu/cloud/submissions/list</a>
2.	Poison Centres Notification format - <a href="https://poisoncentres.echa.europa.eu/poison-centres-notification-format">https://poisoncentres.echa.europa.eu/poison-centres-notification-format</a>
3.	System-to-System integration – REST API and security model <i>(not published yet)</i>
4.	ECHA Account manual - <a href="https://echa.europa.eu/documents/10162/21721613/echa_accounts_en.pdf">https://echa.europa.eu/documents/10162/21721613/echa_accounts_en.pdf</a>
5.	SCIP – Waste framework directive - <a href="https://echa.europa.eu/de/scip-database">https://echa.europa.eu/de/scip-database</a>

### 1.3 Abbreviations and terminology

<b>Term</b>	<b>Description</b>
ECHA	The organisation being responsible for the ECHA Submission portal and the System-to-System services
ECHA Accounts	It is the application used to manage Legal Entity and user information and provide authentication and authorisation services to integrating systems
ECHA Submission portal	The portal used to submit Poison Centres (PCN) and SCIP notifications.
Industry	Legal Entities submitting notifications to ECHA
LE	Legal Entity
LE manager	The person responsible for signing up the company and managing users, contacts and company details
S2S keys manager	The person responsible for the management of the S2S keys in ECHA Accounts
S2S	System-to-System

## 2. Steps to System-to-System Integration



### 2.1 Step 1 – Request access to System-to-System service

The LE manager needs to submit a request to be part of the System-to-System service via ECHA’s contact form. We are harmonising our contact form, however, in the meantime if you would like to use S2S for PCN then please use the following link <https://echa.europa.eu/contact/clp> or alternative in if you would like to use S2S for SCIP then please use the following link [https://comments.echa.europa.eu/comments\\_cms/Contact\\_Other.aspx?type=SCIP](https://comments.echa.europa.eu/comments_cms/Contact_Other.aspx?type=SCIP)

#### 2.1.1 In the contact form, the LE manager needs to select (in case of PCN):

##### **Request type:**

‘Annex VIII – Poison Centres’

##### **Topic:**

‘Request for System to System (S2S) integration access’

##### **Question:**

In the open textbox for ‘Question’, the following information needs to be provided:

- ECHA account username
- Legal Entity UUID that wants to submit dossier
- Legal Entity name
- Software used to connect to ECHA system (if using own, specify ‘self-developed’)

The LE manager can use a text similar to the one shown below:

*‘I want my Legal Entity to have access to the System to System service provided by ECHA in the context of Poison Centres Notifications. The details of the Legal Entity are the following:*

*Username of my ECHA account is: testName*

*Legal Entity UUID: ECHA-XXXXXXXX-XXXX-XXXX-XXXX-XXXXXXXXXXXX*

Legal Entity Name: Test Name

Our S2S API requests will be performed by our own self-developed software.'

### **Your contact details**

In 'Your contact details' section, the email address meant to receive the email containing the response to the service request has to be provided.

## Contact - CLP

The screenshot shows a web form titled 'Your request'. It contains three main sections:

- \* Request type:** A dropdown menu with 'Annex VIII - Poison Centres' selected.
- \* Topic:** A dropdown menu with 'Request for System to System (S2S) integration access' selected.
- \* Question:** A large text area containing the following text:  
I want my Legal Entity to have access to the System to System service provided by ECHA in the context of Poison Centres Notifications. The details of the Legal Entity are the following:  
Username of my ECHA account is: testName  
Legal Entity UUID: ECHA-XXXXXXXX-XXXX-XXXX-XXXX-XXXXXXXXXXXX  
Legal Entity Name: Test Name  
Our S2S API requests will be performed by our own self-developed software

Below the text area, there is a note: 'Please attach any additional information that you consider relevant. File size must not exceed 5MB (accepted formats doc, docx, pdf, xls, xlsx and zip)'. This is followed by three empty file upload fields, each with a 'Browse...' button.

Figure 1 - S2S request form

### **2.1.2 In the contact form, the LE manager needs to select (in case of SCIP):**

#### **Request type:**

'SCIP - Waste Framework directive'

#### **Question:**

In the open textbox for 'Question', the following information needs to be provided:

- ECHA account username
- Legal Entity UUID that wants to submit dossier
- Legal Entity name
- Software used to connect to ECHA system (if using own, specify 'self-developed')

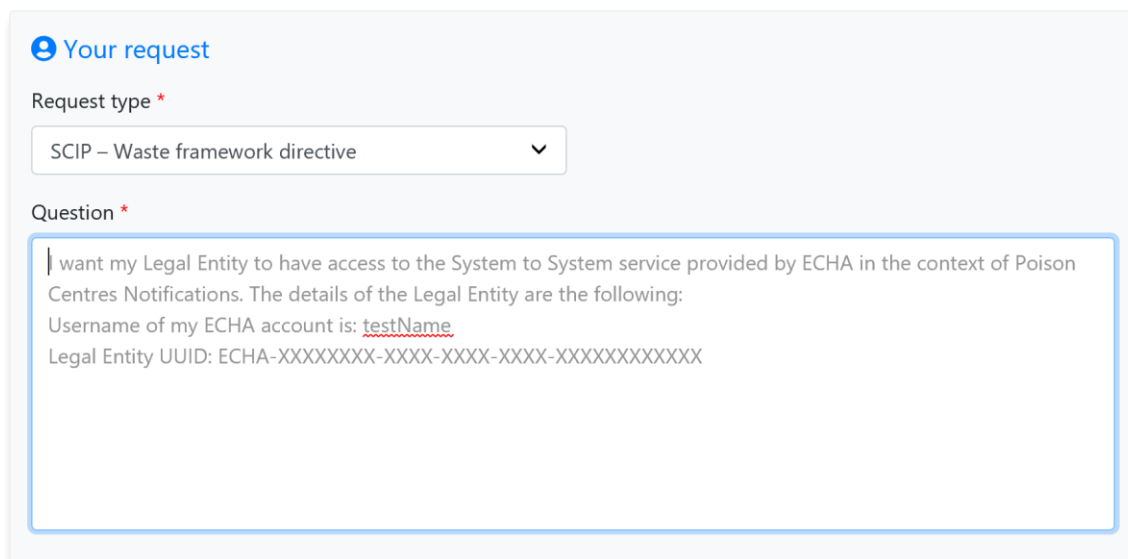
The LE manager can use a text similar to the one shown below:

*'I want my Legal Entity to have access to the System to System service provided by ECHA in the context of Poison Centres Notifications. The details of the Legal Entity are the following:*

*Username of my ECHA account is: testName*

*Legal Entity UUID: ECHA-XXXXXXXX-XXXX-XXXX-XXXX-XXXXXXXXXXXX*

## Contact - OTHER



The screenshot shows a web form titled "Your request" with a blue circular icon containing a white question mark. Below the title, there is a "Request type \*" field with a dropdown menu showing "SCIP – Waste framework directive". Underneath is a "Question \*" field with a text area containing the following text: "I want my Legal Entity to have access to the System to System service provided by ECHA in the context of Poison Centres Notifications. The details of the Legal Entity are the following: Username of my ECHA account is: testName Legal Entity UUID: ECHA-XXXXXXXX-XXXX-XXXX-XXXX-XXXXXXXXXXXX".

Figure 2 - S2S contact form

## 2.2 Step 2 – Assign access role

Once ECHA approves the request, the LE manager will be able to assign its user(s) a new role called "S2S Keys Manager". The "S2S Keys Manager" will then be able to handle the related keys to authenticate S2S calls.

The following sub-steps need to be followed:

- Go to <https://idp-industry.echa.europa.eu/idp>
- Login using the LE manager credentials
- Click on 'My Legal Entity' (<https://ulem-web.echa.europa.local/ulem-industry/views/le/view.xhtml>)
- Navigate to the 'Users' tab
- Click on the username of the user you want to assign the 'S2S Keys Manager' role to
- Click on 'Edit' of the 'View Account Details' page
- Drag the 'S2S Keys Manager' label from the 'Available roles' box and drop it to the 'Selected roles' box
- Click on 'Save'



ECHA Applications You are connected as [testIDM](#) | [My Legal Entity](#) | [Logout](#)  
Last Login: 11/07/2019 11:59:22

---

**TESTLETESTLE**  
Edit account details

**User Information**

\* First Name   
\* Last Name   
\* Email   
Username **testIDM**  
Phone   
Creation Date **2019-04-14 12:03:13**

**Legal Entity**

Primary Legal Entity Name **TESTLETESTLE**  
Primary Legal Entity UUID **ECHA-2039890c-1596-4b29-81aa-42c0aff488f1**

**User Profile**

Available roles		Selected roles
REACH Reader		LE Manager
PIC Reader		REACH Manager
BPR Reader		PIC Manager
IUCLID Trial Full Access		BPR Manager
IUCLID Full Access		IUCLID Trial Read Only
IUCLID Read Only		
<b>S2S Keys Manager</b>		

Figure 3 - ECHA Account S2S access right

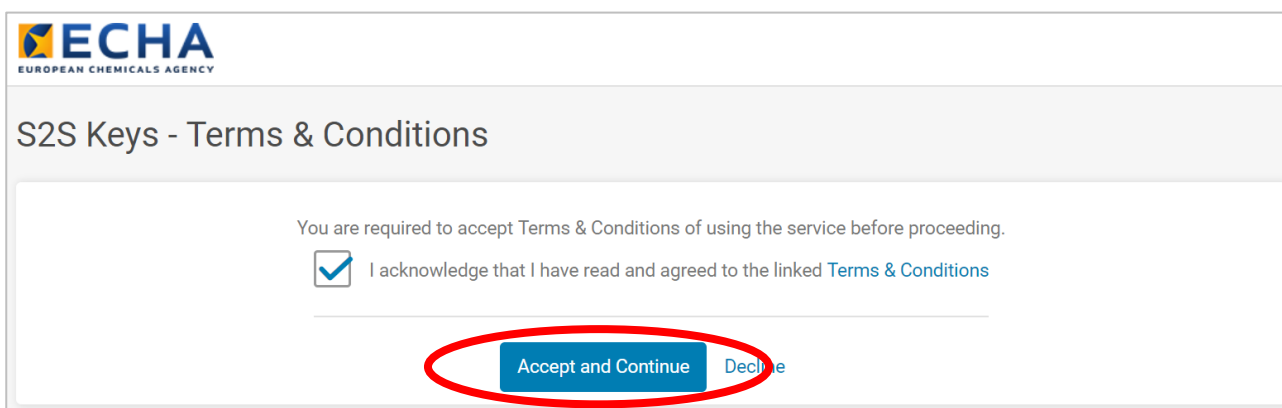
For further reference on how to assign a user role, please see the ECHA accounts manual [4].

## 2.3 Step 3 – Create a S2S key

Once the role has been assigned, the S2S Keys Manager can proceed to the keys management page and create a key.

To do that, the following sub-steps need to be followed:

- Go to <https://idp-industry.echa.europa.eu/idp>
- Login using the S2S Keys Manager credentials
- Click on 'S2S keys' (<https://qa-ulem-web.echa.europa.local/ulem-industry/views/s2s/search.xhtml>)
- The first time the user accesses the S2S keys management page, Terms and Conditions will be presented and need to be accepted. Click on 'Accept and Continue' after reading the document.



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### S2S Keys - Terms & Conditions

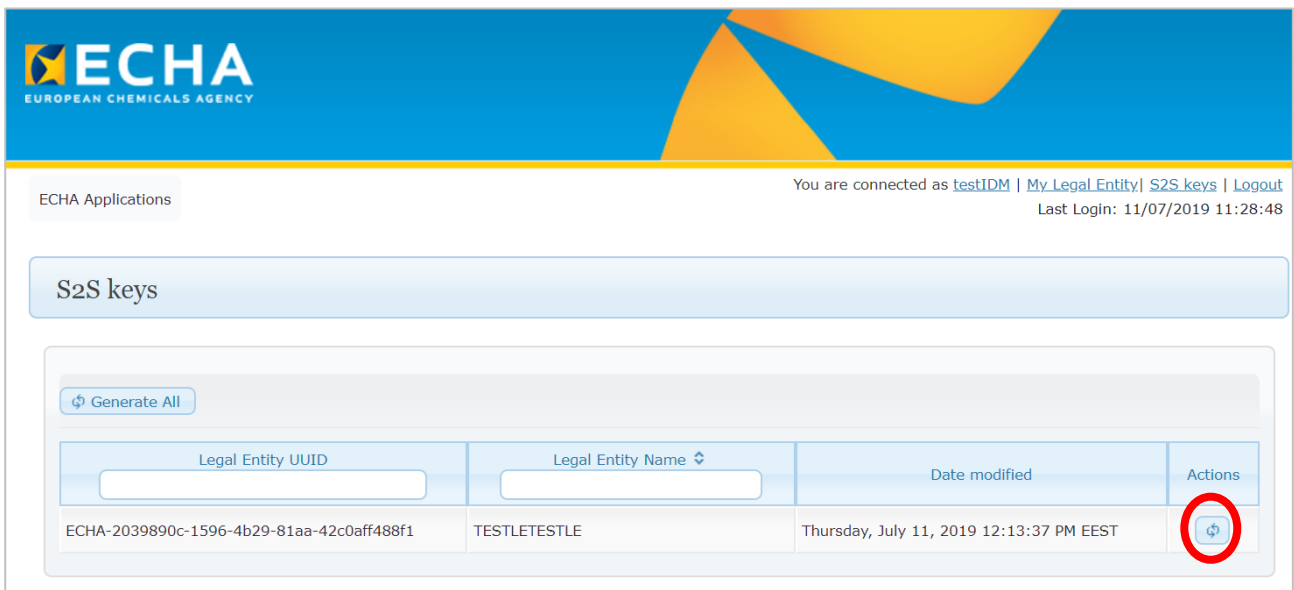
You are required to accept Terms & Conditions of using the service before proceeding.

I acknowledge that I have read and agreed to the linked [Terms & Conditions](#)

**Accept and Continue** Decline

Figure 4 – Acceptance of the Terms and Conditions of S2S service

- In the S2S keys page, click on  to generate a new key for one of the listed Legal Entities.



ECHA Applications You are connected as [testIDM](#) | [My Legal Entity](#) | [S2S keys](#) | [Logout](#)  
Last Login: 11/07/2019 11:28:48

### S2S keys

[Generate All](#)


Legal Entity UUID	Legal Entity Name	Date modified	Actions
ECHA-2039890c-1596-4b29-81aa-42c0aff488f1	TESTLETESTLE	Thursday, July 11, 2019 12:13:37 PM EEST	

Figure 5 - S2S keys page with one listed legal entity

The key is generated and a pop-up window displays it.

- Save the key in a secure manner in order to be included in the client system configuration. For that, the user can copy the key or export it as a comma separated file. Once the window is closed, it will not be possible to retrieve the key anymore. If the key is lost, the user must re-generate a new one.



Generated S2S key(s)

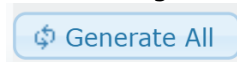
[Export \(.csv\)](#)

Legal Entity UUID	Legal Entity Name	S2S key (base64UrlEncoded)
ECHA-2039890c-1596-4b29-81aa-42c0aff488f1	TESTLETESTLE	zm1ioNThRGtKli5z7MvUdZ_2VO5vZtxr47XuudtPxX4=

[Close](#)

Figure 6 - Pop-up window with key value and 'Export (.csv)' button

The system allows generating a key for all the legal entities that the user manages. For that purpose, the user needs to click on



## 2.4 Step 5 – Test implemented setup

Test the System-to-System configuration before submitting notifications in production mode.

Please see the technical reference [3] for information on how to use the TEST mode in the API requests. For any problems during the testing phase, please contact ECHA service desk via the contact form <https://echa.europa.eu/contact/clp>

## 2.5 Step 6 – Enter to Production mode

Once the test has been successful, the System-to-System Integration can be used. Please see reference [3] for additional information on how to switch from testing to production mode. System Requirements.

There are no specific system requirements regarding the S2S interface. ECHA has made available the specifications and companies remain fully responsible for developing the software and specify the hardware requirements that will meet their needs.

## 3. Service Levels and Support

Support will be provided during the ECHA regular office hours - Monday to Friday 9.00 to 18.00 Helsinki time. Please consider ECHA public holidays <https://echa.europa.eu/contact/opening-hours>

You can get in touch with the Agency by using ECHA contact forms:

<https://echa.europa.eu/contact/clp> or

[https://comments.echa.europa.eu/comments cms/Contact\\_Other.aspx?type=SCIP](https://comments.echa.europa.eu/comments/cms/Contact_Other.aspx?type=SCIP)

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