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How Do I Submit to EIS Using the Web Client?

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How Do I Submit to EIS Using the Web Client?

Introduction

The Emissions Inventory System (EIS) receives and stores emissions inventory data and generates emission inventories. Data are submitted to the EIS using the Consolidated Emission Reporting Schema (CERS). State, Local, and Tribal Agencies can submit emissions inventory data to EIS using any one of the following mechanisms:

1. **Full Node.** Exchange Network Node that allows machine-to-machine transactions.
2. **Node Client.** Software that can be downloaded and installed on your desktop.
3. **Web Client.** A web-based submission method that does not require installing node software.

This section of the EIS User Manual focuses on submitting data using the Web Client.

The **Exchange Network Services Center** (ENSC) is a web-based tool (<https://enservices.epa.gov/login.aspx>) designed to allow Exchange Network users the ability to easily send, get, and download information from other partners on the Exchange Network.

The Exchange Network Services Center utilizes three methods for the exchange of environmental information:

- **Send Info:** Submit documents or information to another system on the Exchange Network.
- **Get Info:** Retrieve information from another system on the Exchange Network. This information is retrieved immediately through query services or requested and then downloaded through solicit services.
- **Download:** Download a document from another system on the Exchange Network with a transaction or document ID.

The Services Center provides two options for using data services. **Guide Me Step-by-Step** guides more novice users through the steps necessary to complete the transaction. **Express Request** allows advanced users to quickly complete their transaction (see

“Exchange Network Services” for more information). The Service Center tracks a user’s previously used services and past activity for easy use in the future.

After 20 minutes of inactivity, a user's EN Services Center session will time out. The user will need to log back in to access the application.

Step 1: Registering for an EIS Account

The first step in the process for submitting data is to register for an EIS account. You do this by following the instructions in the section of the EIS User’s Manual entitled “How Do I Request Access to the EIS Gateway.” You can find the document at this web site:

<https://www.epa.gov/air-emissions-inventories/emissions-inventory-system-eisusersmanual-andhow-tos> .

Step 2: Creating your XML file for Submission

The next step in the submission process is to generate your EIS CERS XML file. An XML file can be generated using your own internal system or by using the Bridge Tool. The Bridge Tools can be downloaded from:

<https://www.epa.gov/airemissionsinventories/eis-bridge-tools>. You can find the instructions for the Bridge Tool at this website: <https://www.epa.gov/air-emissions-inventories/emissions-inventorysystem-eisusersmanual-and-how-tos> .

Step 3: Login to the Web Client

When you are ready to submit your file, log onto the Web Client at the following web site: [Environmental Exchange Network | Services Center \(enservices.epa.gov\)](https://enservices.epa.gov)

The screenshot shows the 'SERVICES CENTER' login page. At the top left is the 'Environmental Information exchange Network' logo. To the right is the 'SERVICES CENTER' title and 'Help | Contact Us' links. The main content area includes a description of the tool, a note about account requirements, and a 'Request an Account' link. On the right is a 'Login' form with fields for 'Username:' and 'Password:', a 'Login' button, and a 'Forgot Username' link. Below the form are three icons: a circular refresh icon, a person icon with a Wi-Fi signal, and a standard Wi-Fi symbol. At the bottom is a 'Warning Notice' stating that the application is part of a United States Environmental Protection Agency (EPA) computer system and is for authorized use only.

Specify your Central Data Exchange (CDX) username, along with your password. All accounts should now be NAAS accounts.

For more information on requesting a NAAS account, please see the document “How Do I Request Access to EIS Gateway? (pdf)” located here: <https://www.epa.gov/air-emissions-inventories/emissions-inventory-system-eis-users-manual-and-how-tos>

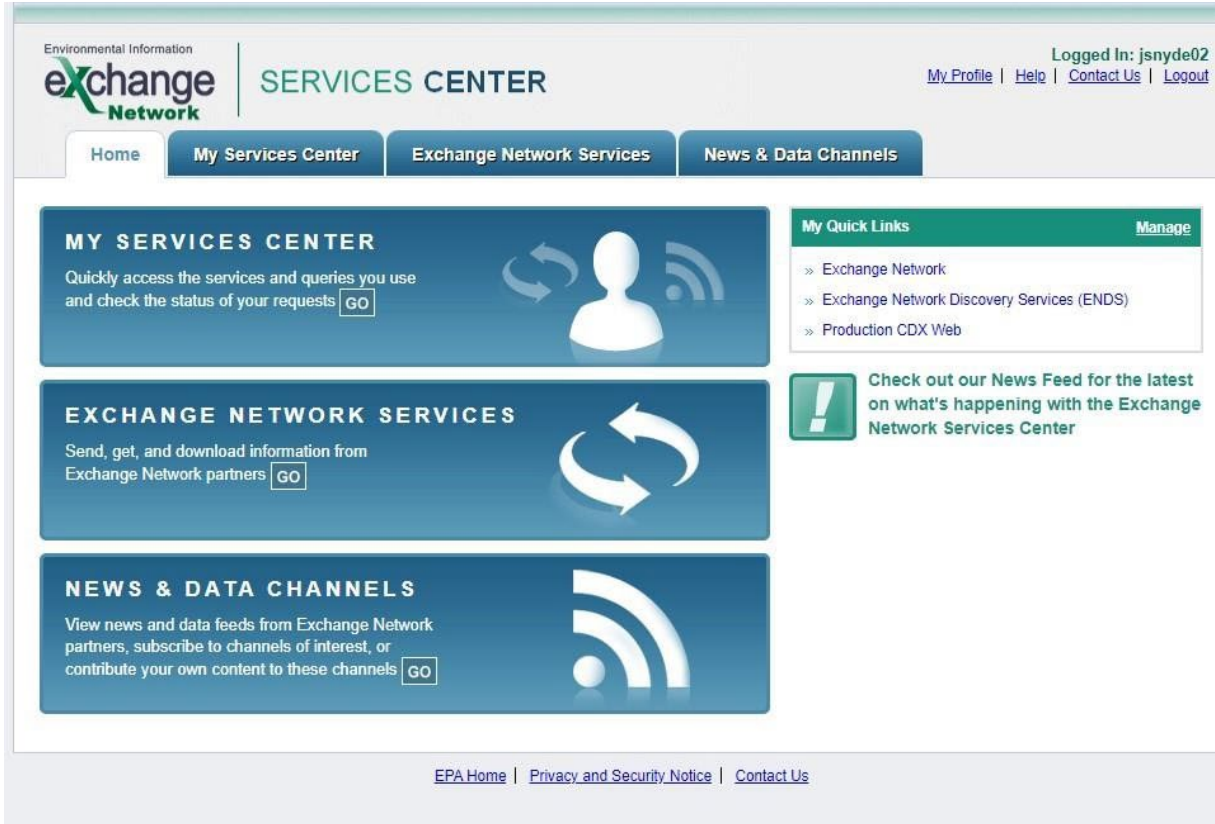
For help with your account, please use the “Request Account” for “Forgot username/password” links on the login page.

Step 4: Selecting the File You Want to Submit

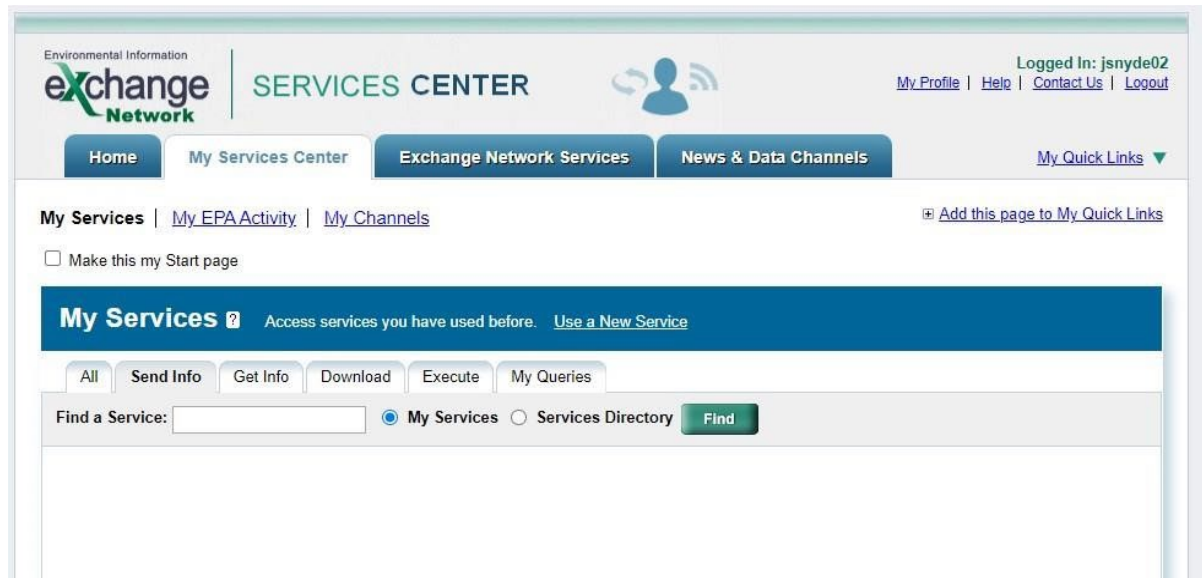
Before you select a file to submit, remember these rules about the EIS CERS XML file:

- The EIS submission file consists of an XML document, made up of the Exchange Header (Version 2.0) and the payload, and any attached file.
- The Payload is the actual EIS data, adhering to the structure of the CERS.
- Any supporting documents (for the NMIM activity data or GIS files) are attached in the form of binary attachments. These data attachments are referenced by name in the CERS payload section of the document, but the data attachment content exists as separate documents external to the Document structure.
- **All of these items are submitted in a single compressed ‘.zip’ file.**
- Only **one** category of data (i.e., FacilityInventory, Point, Nonpoint, Mobile, Events) is allowed to be included in each .zip file; more than one category of data will cause the entire file to be rejected by EIS.

Below is a screenshot of the Landing Page. If you click on “My Services Center,” it will take you to “My Services.”



If this is your first time using any services, click on the tab to “Use a New Service.”



Type “EIS” where it says “enter Keywords” and hit the “filter” button. The first item in the list is the CERS_v2 Schema. Click on the link that says “send info.” You can now add this page to your quick links, for future uploads.

Environmental Information
exchange Network | SERVICES CENTER

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Services Directory

This directory runs from Exchange Network Discovery Service (ENDS) metadata. It requires the commitment of our Network to keep it up to date and useful. For the BETA version, the Services Directory contains only services that support Submit, Query, Solicit, and Download operations. Select the name of the Service you wish to use.

Filter By: Keyword(s)

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Service Transaction	Dataflow	Service Name	Service Description	Node	Service Provider
Send Info	CERS_v2	default	EIS Submit: Send CERS 2.0 files to the Emissions Inventory System (EIS).	NGNProd2.0	U.S. Environmental Protection Agency
Get Info	EIS_v1.0	GetEISFacInventory	Get EIS Facility Inventory Data.	GeorgiaProd	Georgia Environmental Protection Division
Execute	EIS_v1.0	SubmitEISFacInventory	Retrieve EIS Facility Inventory Data then submit to CDX	GeorgiaProd	Georgia Environmental Protection Division

- 1) Click on the “Choose File” button and locate the zip file you want to load. Remember that all XML files submitted to EIS must be zipped before loading. If there are people other than yourself that you want notified of this submission, enter their email addresses in the provided text box.

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Express Request: default

Select a Document to Upload (max. size 1 GB):
 No file chosen

Enter Email Address(es) to Notify of Transaction Status Change (separate with comma):

► [Provide information \(metadata\) about this Document \(recommended\)](#)

You are currently using the following Service:

Service Name
default

Description
EIS Submit: Send CERS 2.0 files to the Emissions Inventory System (EIS).

Transaction Type
Submit

Dataflow
CERS_v2

Node
NGNProd2.0

Publisher
U.S. Environmental Protection Agency

[Select a different Service](#)

- 2) Click on the “SEND DATA” button.
- 3) Once the file has been sent, you will receive a screen like the following:

Environmental Information
exchange Network

SERVICES CENTER

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Request Received!

Your File **XMLSubmission.zip** has been received.

The following Transaction ID has been assigned to this request:
_0b8d5a34-0416-49e7-8715-89c9558e9b52

Current Status of Request:

Transaction Status	Service Name	Transaction Type	Date
Processing	default	Send Information	4/15/2021 7:27 AM

What would you like to do next?

- [View the Status of this request in My Activity](#)
- [Complete another Transaction using this same Service](#)
- [Complete another Transaction using a different Service](#)
- [Add this Service to My Quick Links](#)
- [Log out of the Services Center](#)

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The screen shown above provides you with the transaction id of the submission as shown by the top red oval above. This information will also be emailed to you. You may use the links at the bottom of this screen to check on the status of the given submission, submit another file, or submit a file using a different service. You are all done!

Repeat Step 4 for as many files as you need to submit

Important Process Note

Any email address you add in the “Emails To Notify” line will be the default recipient of the notifications from CDX. This means that unless the submitters address is also entered, they will not receive any email notifications from CDX.

Step 5: Tracking Your Submission

Once the file has been submitted, you will see a results screen that will provide a transaction ID and a status of your submission.

The “My Activity” link lists all EN Services Center transactions completed by a user. This page provides the necessary details of a transaction to include the service used (service name), transaction type, date and time of the transaction, and the transaction ID.

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Home | My Services Center | Exchange Network Services | News & Data Channels | My Quick Links

My Services | **My EPA Activity** | My Channels | Add this page to My Quick Links

Make this my Start page

My EPA Activity View the status of your transactions

Filter By: Status: All Filter Clear

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Service Name	Dataflow Name	Transaction Status	Transaction Type	Date	Transaction ID	Documents
GetNGNDocumentList	admin_v1_0	Failed	Get Info	4/14/2021 1:28:13 PM	17011e2e-34e6-4236-b2e8-75dab2b33841	
CERS_v2 Submit	CERS_v2	PENDING	Send Info	4/13/2021 10:54:50 AM	b572b8bd-c685-4b21-845a-4420b5ea1c08	ValidationResults.xml
CERS_v2 Submit	CERS_v2	FAILED: E_Distribution: Attempted 3 distributions to EIS backend. Giving up.	Send Info	4/12/2021 8:53:19 AM	34-c32965-189a-4c95-82d0-82ad770ef1f5	XMLSubmission.zip
CERS_v2 Submit	CERS_v2	PROCESSING	Send Info	4/7/2021 1:30:34 PM	45f9d177-abb5-4b4f-b633-327cd7218e54	XMLSubmission.zip
ProcessEISDoc	EIS_v1_0	Failed: Invalid document: Invalid document.	Send Info	4/7/2021 12:35:49 PM	1b32e438-a4ed-4384-ba5c-4e259f538e88	XMLSubmission.zip
CERS_v2 Submit	CERS_v2	PENDING	Send Info	4/2/2021 2:09:37 PM	cd79efe3-01e0-45fa-9470-140346c3761c	XMLSubmission6.zip
CERS_v2 Submit	CERS_v2	PENDING	Send Info	4/2/2021 2:09:37 PM	67060140-001a-4b21-845a-4420b5ea1c08	ValidationResults.xml

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A link is provided within the transaction ID for additional transaction details. Users can filter their activity by:

- **Status:** Filter by the status of the transactions: Completed (a transaction was successfully completed), Failed (there was an issue with the submission, and it failed) and Pending (the transaction has not completed processing yet).
- **Dataflow:** Filter by the Exchange Network dataflow from which the user submitted or obtained information.
- **Transaction Type:** Filter by Send Info, Download or Get Info transactions.
- **Most Recent:** Filter by transactions within the Last 30 Days, Last 60 Days, Last 90 Days or All Transactions.
- **Transaction Date:** Filter by a date range of transactions.
- **Transaction ID:** Filter by a specific Transaction ID.

Selecting the Clear button will remove any filters and show the full list of transactions. A Refresh Activity link is provided at the top right-hand corner of the My Activity page that is used to refresh the status of transactions as needed.

Users can select the “Make this my Start page” check box for this page to be the first page that appears when logged into the EN Services Center. Users can also click “Add this page to my Quick Links”, located in the top right corner of this page to add this page to the list of

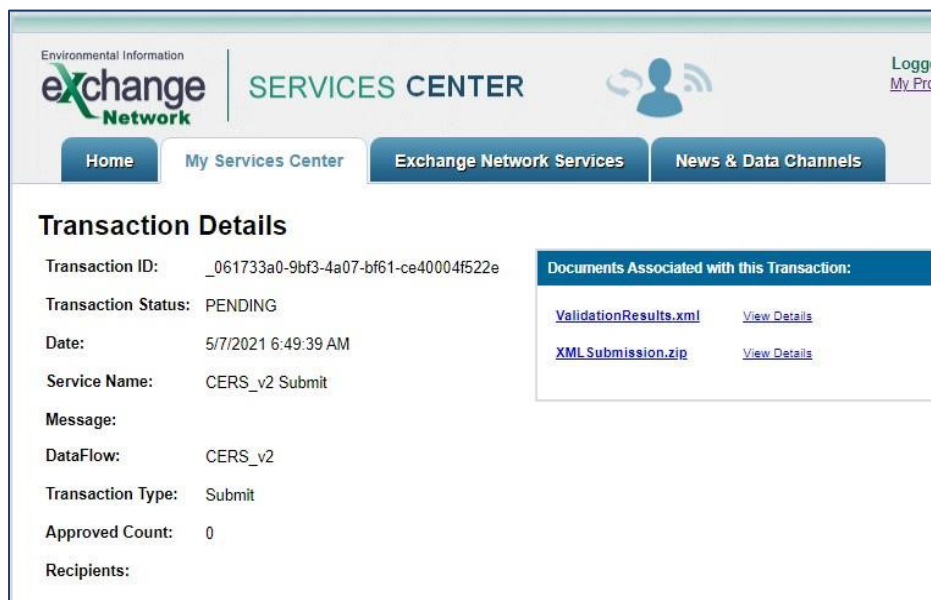
Quick Links. The status of “Pending” indicates your submission is being processed through CDX and the EIS.

The CDX will perform validation on the schema.

The EIS will perform quality assurance on the data in the payload.

You can click on the Transaction ID for more detailed information about your submission. You should allow a few minutes before clicking on the transaction ID to allow processing of your submission.

When you click on the Transaction ID, the following screen will appear:



The screenshot displays the 'Environmental Information exchange Network SERVICES CENTER' interface. The main content area is titled 'Transaction Details' and shows the following information:

Transaction ID:	_061733a0-9bf3-4a07-bf61-ce40004f522e
Transaction Status:	PENDING
Date:	5/7/2021 6:49:39 AM
Service Name:	CERS_v2 Submit
Message:	
DataFlow:	CERS_v2
Transaction Type:	Submit
Approved Count:	0
Recipients:	

To the right of the details is a section titled 'Documents Associated with this Transaction:' containing two entries:

ValidationResults.xml	View Details
XMLSubmission.zip	View Details

This page will provide information for the transaction ID for your submission:

The Transaction Status will indicate one of the following:

- Pending
- Received (by CDX)
- Processed (CDX schema validation)
- Completed (EIS processing).

The Description identifies:

- Your file failed schema validation
- Your file failed to load into EIS
- Your file has successfully loaded into EIS (through an extract, transform, and load process).

If the Transaction Status is “Completed” your file has been loaded into EIS for Processing.

When the processing of the file is complete, you will receive an email notifying you of the status.

Step 6: More Information on the Submission

The Transaction Details screen provides more information on the status of the submission. You can click on the ValidationResults.xml to download the results of the schema validation, or XML Submission.zip to download the original XML zip file.

Step 7: Your EIS QA Feedback is Ready

When the file has been completely processed by EIS, you will receive an email stating that your QA feedback is ready and available on the EIS Gateway. Log into EIS at <https://eis.epa.gov/eis-system-web/welcome.html>.

