

# 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 are able to 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.



## **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:

<http://www.epa.gov/ttn/chief/eis/access.pdf>.

## **Step 2: Creating your XML file for Submission**

The next step in the submission process is to generate your EIS CERS XML file. You first want to refer to the NEI/EIS Implementation Plan, which is located at this web site:

<http://www.epa.gov/ttn/chief/net/neip/index.html>

In particular, you want to focus on these sections:

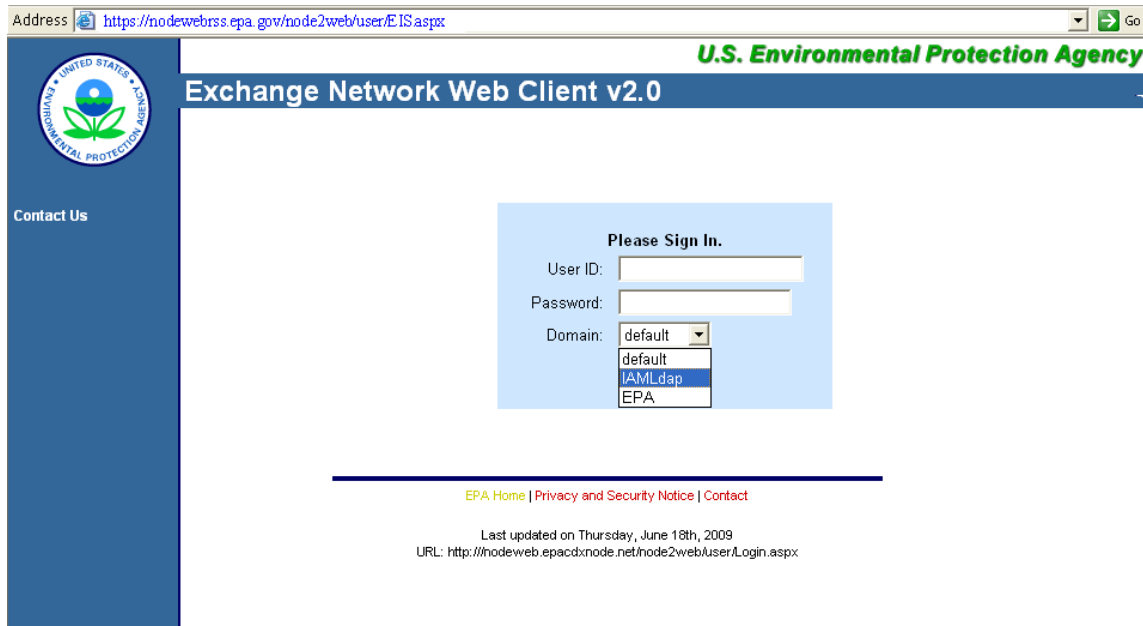
- Section 5: Submitting XML Data to the EIS.
- Section 6: Reporting Instructions for Facility Inventory
- Section 7: Reporting Instructions for Point Emissions
- Section 8: Reporting Instructions for Nonpoint Emissions
- Section 9: Reporting Instructions for Onroad/Nonroad Activity
- Section 10: Reporting Instructions for Onroad/Nonroad Emissions
- Section 11: Reporting Instructions for Event Emissions
- Section 12: Reporting Instructions for Aircraft, Locomotive, and Commercial Marine Vessel Emissions
- Appendix 2: The Consolidated Emissions Reporting Schema



### 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: <https://nodewebrss.epa.gov/user/EIS.aspx>

You will use the same User ID and password to log on to the Web Client that you use for the EIS Gateway. Please note that the User ID is case sensitive.



After you have entered the User ID and password, select IAMLdap as the Domain.



### Step 4: Selecting the File You Want to Submit

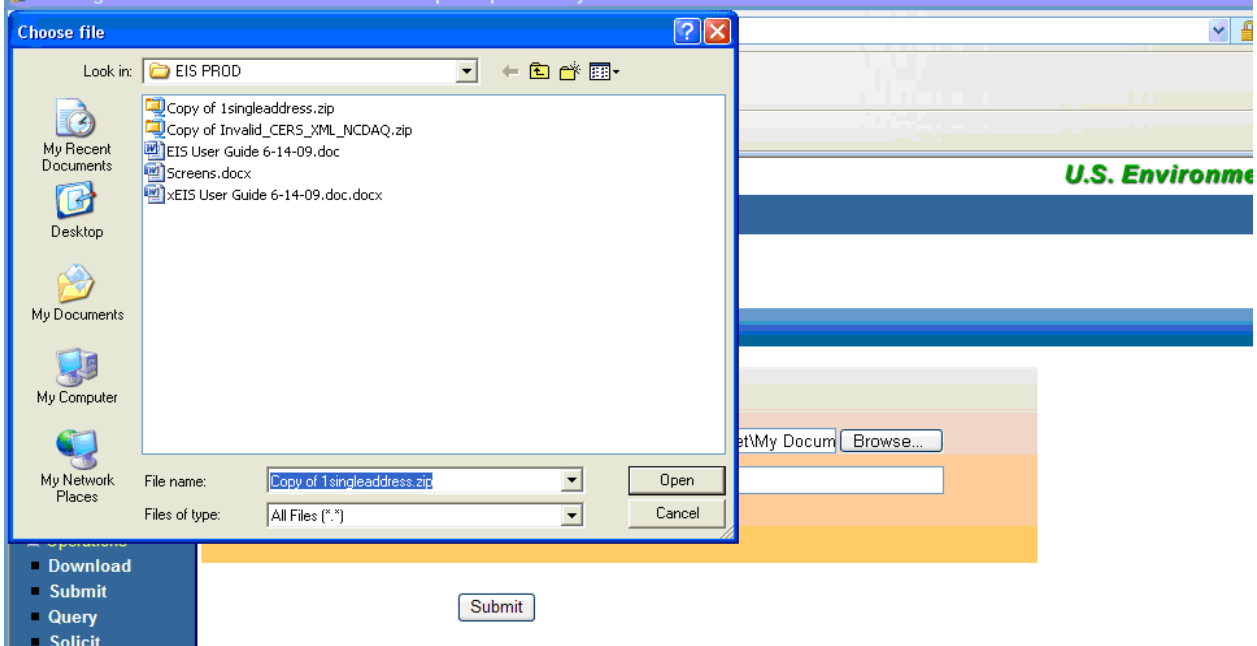
Before you select a file to submit, remember these rules about the EIS CERS XML file:

- 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 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.

When the EIS Data Exchange has been selected, the following screen will appear:



To select the zip file you want to submit to EIS, click on the Browse button. A Choose File window will appear from which you can select the file.

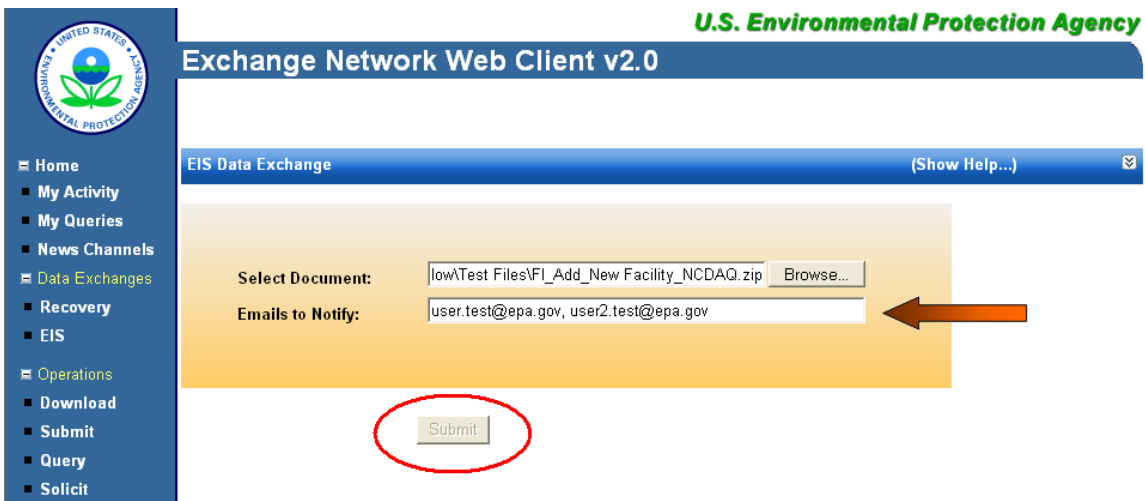


After you have selected the appropriate zip file, you have the option to enter the Email address of anyone to whom you want notifications sent about the status of the submission. Enter as many valid email addresses as you like, separating each with a comma.

### 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.

When you are ready to send the file, click on the Submit button.





When the file is sent, you will receive the following receipt email:



**CDX Data Submission Receipt**

**CDX Notification** to:

**Please respond to nodehelpdesk**

06/11/2009 12:56 PM

[Show Detail](#)

This email is to inform you that your submission to .NetNode2 has been received at 6/11/2009 12:56:26 PM. The following is the transaction information:

Node: .NetNode2  
Transaction ID: \_4451daca-1aea-44e4-ab9e-24d318ec6782  
Transaction Status: Pending  
Dataflow: EIS\_v1\_0  
Document ID: \_572af0b2-4793-436b-b4a8-2e5d3fa91e43  
Document Name: FI\_Add\_New Facility\_NCDAQ.zip

We will provide additional information to you when the transaction is processed. Meanwhile, you may check current status of the transaction at [https://nodeweb.epacdxnode.net/node2web/user/UserTxDetail.aspx?TransactionId= 4451daca-1aea-44e4-ab9e-24d318ec6782](https://nodeweb.epacdxnode.net/node2web/user/UserTxDetail.aspx?TransactionId=4451daca-1aea-44e4-ab9e-24d318ec6782), or contact us at [nodehelpdesk@csc.com](mailto:nodehelpdesk@csc.com) should you have any questions.

Thank you,

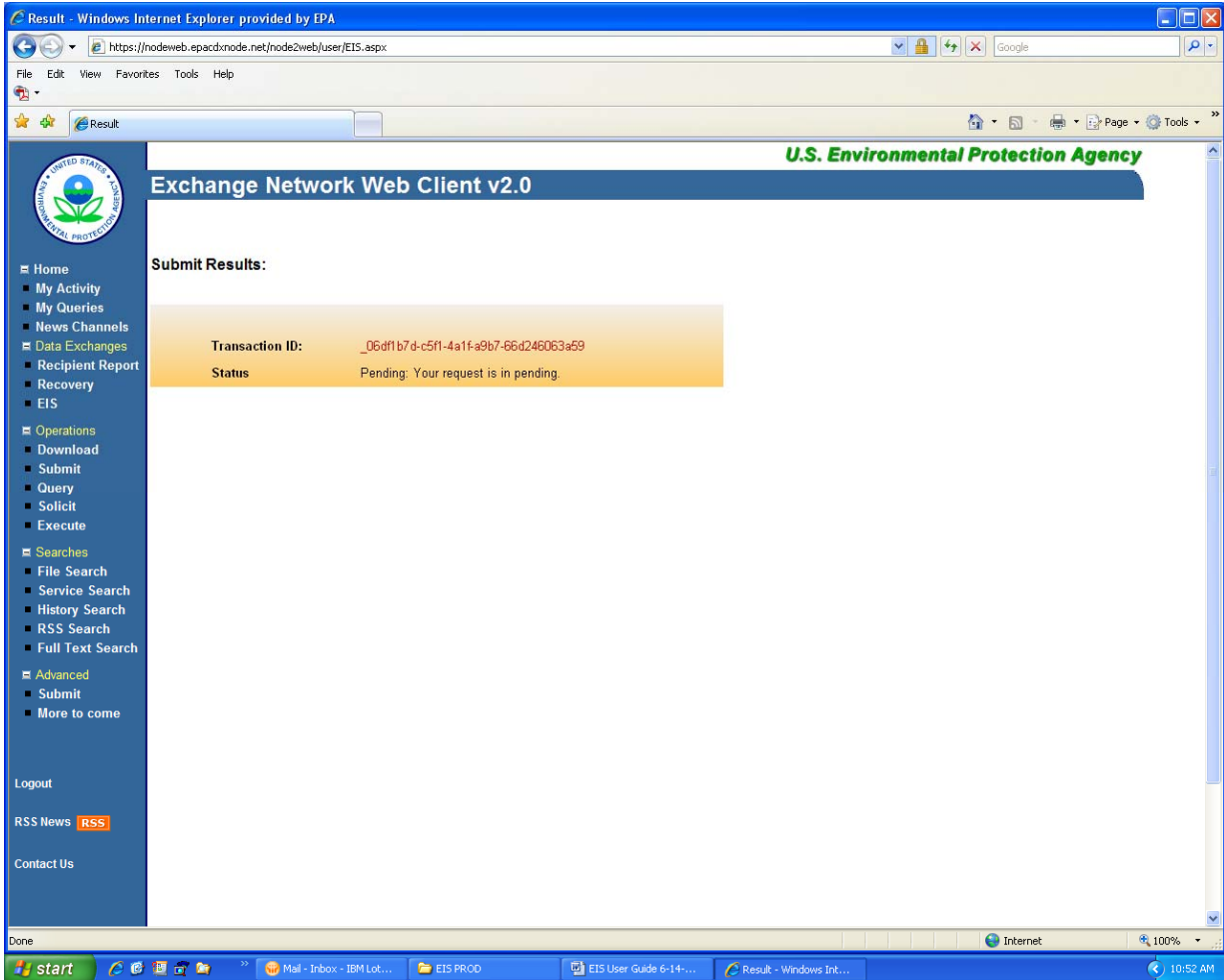
CDX Node

**NOTE:** Repeat Step 4 for as many files as you need to submit.



## Step 5: Tracking Your Submission

After you select the Submit button, the following screen will appear. It contains the status of the transaction and Transaction ID. 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 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:

**Transaction Details**

Transaction ID:

Transaction Status:

Date Created:

Dataflow:

Description:

Transaction Type:

Approved Count:

User ID:

Recipients:

Notification URL:

Service Name:

**Document List**

Document ID	Name	Type	Status	Created Date
a22b0272-b06c-456c-be7f-735c1a4bfeab	FI_Add_New Facility_NCDAQ.zip	ZIP	Processed	6/18/2009 9:03:11 AM
e04a52df-3adb-4845-b390-974637ab7905	Validation Results	XML	Received	6/18/2009 9:03:21 AM

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 the following email.



**Transaction Status Notification**

**CDX Notification** to:

**Please respond to nodehelpdesk**

06/11/2009 12:58 PM

[Show Details](#)

This email is to inform you that your submission to .NetNode2 has been processed at 6/11/2009 12:58:01 PM. The following is the status information:

Node: .NetNode2  
Transaction ID: \_3b82c2ca-8a54-4a4e-86da-9cf7622786e2  
Transaction Status: Completed  
Status Detail: The ETL Process completed Successfully.  
Dataflow: EIS\_v1\_0  
Document ID: \_572af0b2-4793-436b-b4a8-2e5d3fa91e43  
Document Name: FI\_Add\_New Facility\_NCD&Q.zip

A submission feedback report is available for download from the EIS Gateway at <http://eis-app-trunk/eis-system-web/login.html>.

You may contact us at [nodehelpdesk@csc.com](mailto:nodehelpdesk@csc.com) should you have any questions.

Thank you,

CDX Node



### Step 6: More Information on the Submission

The Transaction Details screen provides more information on the status of the submission. At the bottom of the transaction details page, you can click on the Document ID to download the results of the schema validation.

Document ID	Name	Type	Status	Created Date
a22b0272-b06c-456c-be7f-735c1a4bfeab	FL Add_New Facility_NCDAQ.zip	ZIP	Processed	6/18/2009 9:03:11 AM
e04a52df-3adb-4845-b390-974637ab7905		XML	Received	6/18/2009 9:03:21 AM

When you click on the Document ID, this screen will appear. Click on the Download button to either open the results or save them.

Document Meta-Data

Node URL: https://cdxnode2.e...  
 Document Name: Validation Results  
 Document ID: \_59982f8b-dc88-4a...  
 Document Title: Validation Results  
 Description:  
 Author: cdx  
 Organization:  
 Category: Callback  
 Publication Date: 6/16/2009 1:47:10 PM  
 Keywords:  
 Size(bytes): 912

File Download  
 Do you want to open or save this file?  
 Name: Validation\_Results.xml  
 Type: XML Document  
 From: nodeweb.epacd.xnode.net  
 Open Save Cancel

Download



If the submission failed, the status on the Transaction Detail screen will appear as Failed. You can follow the steps above to download the validation results.

The screenshot shows the Exchange Network Web Client v2.0 interface. The page title is "Exchange Network Web Client v2.0" and the header includes the U.S. Environmental Protection Agency logo. The main content area is titled "Transaction Details" and displays the following information:

- Transaction ID: 039c38b7-ca65-4fa6-bf4e-847dc1b51aad
- Transaction Status: Failed
- Date Created: 6/16/2009 1:47:06 PM
- Dataflow: EIS\_v1\_0
- Description: Invalid document.
- Transaction Type: Submit
- Approved Count: 0
- User ID: cdx
- Recipients:
- Notification URL:
- Service Name: ProcessEISDoc

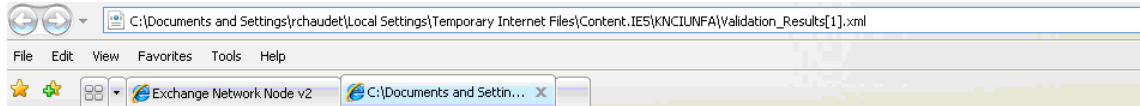
Below the transaction details is a "Document List" table:

Document ID	Name	Type	Status	Created Date
3ceb863b-737a-465a-a374-99f6025ed09c	Copy of EISInvalidSchema.zip	ZIP	Processed	6/16/2009 1:47:06 PM
59982f6b-dc88-4a28-99c8-a77b8f08aa63	Validation Results	XML	Received	6/16/2009 1:47:10 PM

A "Back" button is located below the document list. The interface also includes a navigation menu on the left with options like Home, My Activity, My Queries, News Channels, Data Exchanges, Recipient Report, Recovery, EIS, Operations, Download, Submit, Query, Solicit, Execute, Searches, File Search, Service Search, History Search, RSS Search, Full Text Search, Advanced, Submit, and More to come. The bottom of the page shows the Windows taskbar with various open applications and the system clock at 1:47 PM.

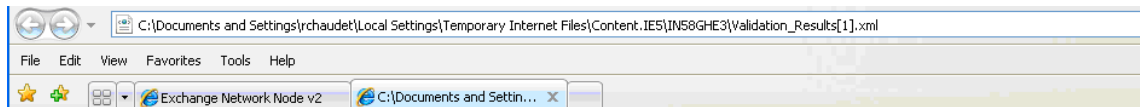


The following is an example of the results for a valid submission



```
- <return xmlns="http://www.exchangenetwork.net/schema/validator/3">
  <transactionId>_06df1b7d-c5f1-4a1f-a9b7-66d246063a59</transactionId>
  <validationType>complete</validationType>
  <processStatus>Finished</processStatus>
  <documentStatus>Valid</documentStatus>
  <timeStamp>2009-06-16T14:52:34Z</timeStamp>
  <results>Congratulations! The document,d:\SOAPServer\DataFolder\_06df1b7d-c5f1-4a1f-a9b7-66d246063a590.unzipped\
  \1singleaddress.xml, is valid according to the schema.</results>
</return>
```

The following is an example of the results for an invalid submission.



```
- <return xmlns="http://www.exchangenetwork.net/schema/validator/3">
  <transactionId>_039c38b7-ca65-4fa6-bf4e-847dc1b51aad</transactionId>
  <validationType>complete</validationType>
  <processStatus>Finished</processStatus>
  <documentStatus>Invalid</documentStatus>
  <timeStamp>2009-06-16T17:47:09Z</timeStamp>
  <results>The document,d:\SOAPServer\DataFolder\_039c38b7-ca65-4fa6-bf4e-847dc1b51aad0.unzipped\
  \1singleaddress.xml, contains the following error(s): Error at line 31 column 8 : The element 'CERS' in
  namespace 'http://www.exchangenetwork.net/schema/cer/1' has invalid child element 'InvalidElement' in
  namespace 'http://www.exchangenetwork.net/schema/cer/1'. List of possible elements expected:
  'Model, ModelVersion, EmissionsCreationDate, SubmittalComment, FacilitySite, Location, Event, QualityFinding'
  in namespace 'http://www.exchangenetwork.net/schema/cer/1'.</results>
</return>
```

The validation results are shown in XML and you should look for the following tags to identify the status:

**<documentStatus>**: In between the <documentStatus> tags is the status file as validated against the CERS.

**<results>**: For failed schema validations, the results that identify specific errors are between the <results> tags.



## **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. For instructions on retrieving your quality assurance feedback see the section of the EIS User's Manual entitled "How Do I Retrieve My Quality Assurance Feedback?"