

## **EMTS Node Webinar**

### **Introduction**

In this next section we will cover how to use the EMTS Publishing dataflow to retrieve documents.

### **The EMTS Publishing Dataflow**

You will learn about the flows for retrieving your QA feedback report and how to solicit and download other available documents.

This allows you to retrieve various reports that contain information on transactions that failed business process checks or documents that contain aggregate information regarding your transaction activities.

Please click Next to continue.

### **Retrieving the QA Feedback Report**

When your file has failed during processing, the EMTS will generate a QA feedback report for the submission.

If you receive a response error number of 6, "backend processing failed," then you will use the following dataflow to retrieve your feedback document.

Please use the Next and Back buttons to navigate through the steps.

#### **Step 1**

When a file fails due to business content checks, the EMTS automatically generates a QA feedback report.

These reports are run on 10 minute intervals.

#### **Step 2**

The EMTS submits the report to the CDX Node.

The document is linked to the CDX transaction ID that was associated with the original file submission.

### **Step 3**

The CDX Node will archive the report for later retrieval by the industry node.

### **Step 4**

At any point after the industry node has submitted a file, the industry node can invoke the GetStatus web service method.

### **Step 5**

If the industry node receives a response with the error code number 6, "backend processing failure," this indicates the file submission has failed and a report is available for download.

### **Step 6**

Using the CDX transaction ID, the industry node queries for the document identifiers of available documents. To do this the node passes in the CDX transaction ID associated with the original submission as a parameter.

### **Step 7**

The CDX Node returns the document identifiers of any available documents, such as the QA feedback report.

### **Step 8**

The industry node then invokes a download request with a specific document identifier.

### **Step 9**

Finally, the CDX node sends the requested document as well as the original file that was submitted.

A recommended best practice is for the industry node to store the QA feedback report and link the CDX transaction ID to the original file submission for reference.

Please click Next to view a roll-over diagram showing all of the steps.

### **Roll-over Diagram**

As you can see, there are many steps involved in retrieving the QA report.

You may roll-over any of the steps to see the corresponding web service method.

Please click Next when you are done with the roll-over diagram to learn about downloading other documents.

### **Downloading Other Documents**

The EMTS currently has several other documents that are available for download from the CDX Node.

A list and description of these documents can be found in the EMTS Flow Configuration Document and on the EMTS Support website.

To receive these documents, you must first use the subscription service on the EMTS website and request the different types of documents you are interested in obtaining.

The Subscription service can be updated at any time via the website and you may subscribe to multiple documents.

Please click Next to continue.

### **Downloading Other Documents II**

Due to the potential size of these documents, the data is not available in real-time.

It is processed and made available overnight, reflecting the previous business days total activities.

These documents are sent to the CDX Node for archiving and are available for download before the start of business every day, generally before 6:00 a.m. Eastern Time.

Currently only the CSV file format is available for the EMTS 1.0; however, XML formats will be available in future releases of the EMTS.

Please click Next to continue.

### **The Solicit Flow for Documents**

The following dataflow describes how to solicit and download documents from the CDX Node.

Once again, please use the Next and Back buttons to navigate through the steps.

#### **Step 1**

The EMTS generates documents in accordance with the industry user's subscription request. These documents are generated overnight.

The name of the documents, date created, and the document contents are stored in the EMTS document log.

#### **Step 2**

The industry node invokes the solicit web service method using the GetEMTSDocument request which includes the name of the requested document and the organization's identification number.

#### **Step 3**

The CDX Node validates the solicit request ensuring that it contains all the required parameters and archives the request.

#### **Step 4**

The CDX Node generates a transaction ID associated with the solicit request.

The status is set to "Received" and a status response is returned to the industry node with the transaction identifier.

The CDX Node stores the transaction identifier for later reference.

### **Step 5**

The CDX Node issues a solicit request to the EMTS Node. As part of the solicit request, the NAAS ID is mapped to the CDX Web user ID that has made the request. If the mapping was successful, a security token is issued. The security token includes the CDX Web user ID, email address, and the affiliated organization.

### **Step 6**

The EMTS Node validates the security token sent from the CDX Node and extracts the user identification.

### **Step 7**

The EMTS generates a new transaction ID and sends this with the response to the CDX Node.

### **Step 8**

The EMTS looks in the document log for the requested document.

If the document was generated overnight, the EMTS sends the document to the CDX Node.

If the document has not been generated and is not available to send, the EMTS sends a notification of failure to the CDX Node.

### **Step 9**

If the EMTS Node sends a notification of "FAILURE," this indicates one of several issues.

### **Step 10**

The CDX Node receives the notification and extracts the transaction identifier along with other information.

The status of the request is updated.

### **Step 11**

If the solicit resulted in success and a document was found in the EMTS document log that matches the users specifications, then the document is submitted to the CDX Node.

### **Step 12**

The CDX Node receives the document and extracts the solicit transaction identification from the parameters.

The CDX Node associates the transaction related to the EMTS solicit transaction and updates the status to "COMPLETED."

### **Step 13**

At any point in time after the original solicit request, the industry node can invoke the GetStatus web service method to see if a document is ready for download.

### **Step 14**

The CDX Node validates the NAAS user ID. If the validation fails, the CDX Node returns a status response.

Please click Next to view the reasons a document might fail processing.

### **Document Failure Processing Reasons**

There may be numerous reasons why document solicit fails.

An error may be the result of an incorrectly reported document name, incorrectly reported organization identifier, invalid subscription, or the user is not affiliated with the organization.

The reason for the failure is sent in the status detail as part of the notification.

Please click Next to continue viewing the solicit flow for documents diagram.

### **Step 15**

If the transaction status is "Completed" the industry node invokes the "Download" web service method.

### **Step 16**

The CDX Node returns the document to the industry node.

The document returned will be either the requested document or the resulting error report containing the reason for failure.

Please click Next to view a roll-over diagram showing all of the steps.

### **Roll-over Diagram**

As you can see, there are many steps involved in downloading documents.

You may roll-over any of the steps to see the corresponding web service method.

This concludes the fifth section of the Node Webinar; please click next when you are done.