

# ISBE Data Transfer Web Service

## Overview:

This service is suitable for both LAN and Web applications and also works for IWAS and Non-IWAS based systems. The web service provides a method for entities outside of ISBE to programmatically automate the sending and retrieving of batch data to any system. Any modern programming language should have the ability to call a web service to automate the sending and retrieving of batch data.

Each user of the web service will need a unique Activation Key which identifies the user and the system the batch data is associated with. Generally the ISBE system you are working with will provide a method for you to create a production activation key.

The web service is hosted on a secure web server so all data transfers will be secure and encrypted so there is no need for external encryption or decryption of data.

Recommended Google searches for details on programming around a web service:

- How to consume a webservice in [your programming language here]
- How to consume a webservice in c#
- How to consume a webservice in java
- How to consume a webservice in vb.net
- How to consume a webservice in php

## Test/QA URL of the web service is:

<https://secqa1.isbe.net/ISBEDataTransferService/ISBEDataTransferService.asmx>

URL for WSDL: <https://secqa1.isbe.net/ISBEDataTransferService/ISBEDataTransferService.asmx?wsdl>

(To obtain an activation key for Test/QA check with your ISBE systems contact person)

## Production URL of the web service is:

<https://sec.isbe.net/ISBEDataTransferService/ISBEDataTransferService.asmx>

URL for WSDL: <https://sec.isbe.net/ISBEDataTransferService/ISBEDataTransferService.asmx?wsdl>

### \*\*\*Web Service Send Data Method\*\*\*

SendData(ActivationKey, DataName, DataContents, ReturnedOK, ReturnMessage)

#### Parameter Descriptions:

ActivationKey: unique identity key for each outside entity.

DataName: the name you choose to give to your data package.

DataContents: single string containing the data to be sent.

ReturnedOK: True if no problems with the data transfer and False if an error occurred.

ReturnMessage: generally this will contain details if the ReturnedOK is False.

### \*\*\* Web Service Retrieving Data Method\*\*\*

DataContents = RequestData(ActivationKey, DataName, ReturnedOK, ReturnMessage)

#### Parameter Descriptions:

ActivationKey: unique identity key for each outside entity.

DataName: the name of the data package to retrieve.

DataContents: single string containing the retrieved data.

ReturnedOK: True if no problems with the data transfer and False if an error occurred.

ReturnMessage: generally this will contain details if the ReturnedOK is False.

### **Ways the web service is being used by outside entities to exchange data with ISBE:**

- System “A” both sends and retrieves multiple types of batch data daily
  - Making a SendData call they set the DataName parameter to the value expected by the ISBE system the data is destined for the type of data they are sending.
  - When sending if the data fails validation the ReturnedOK will be False and the ReturnMessage will contain the validation error. If successful the ReturnedOK will be True.
  - Making a RequestData call using the keyword “DataNameList” for the DataName parameter causes the service to return a comma delimited list of DataNames that have completed processing and are waiting to be retrieved. They then loop through the DataNameList and request each waiting batch. This process is continued until all the batches they are expecting have been processed and retrieved.
  
- System “B” sends monthly batches of data but does not retrieve any data
  - Making a SendData call the DataName can be any value and is not used in the processing.
  - Making a RequestData call is not applicable for this system.

### **Developer NOTES:**

- After sending a batch of data which you expect to generate a return batch, only call the web service no more than once per minute to avoid over stressing the web service. Check with the ISBE system developer you are working with to determine the optimal time to wait before calling the RequestData.
- Also since there is always the possibility of a system problem failing to produce a return batch always add a timeout to your system that preferable after 24 hours if you have not been able to retrieve your batch stop trying to and generate a notification to someone on your end and have them call ISBE and talk to the developer you are working with.