7.0 View Reports

Prepared by the
Information Technology Support Center

REQUIREMENTS BASLINE

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Revision History

Date	Version	Description	Author
10/18/06	1.0	Draft Version	Lou Ansaldi (ITSC)
11/27/06	2.0	Updated as of 11/15 Meeting	Lou Ansaldi, Jason Hase (ITSC)
12/13/06	3.0	Updated as of 12/6 Meeting	Lou Ansaldi, Jason Hase (ITSC)
3/12/08	4.0	Updated with new architecture	Lou Ansaldi (ITSC), Jason Holzbach
3/20/08	5.0	Updated with Consortium Review	Lou Ansaldi (ITSC), Jason Holzbach
3/26/08	6.0	URI/Routing Table updates	Lou Ansaldi (ITSC), Jason Holzbach
04/02/08	10	Updated Section 7.10 Screen Layouts – to reference reports defined in 'SIDES Reports Matrix v10.xls' (Contains significant additional content) Updated version number to Version 10 for Requirements Review 04/03/2008	Lou Ansaldi (ITSC), Jason Holzbach
04/09/08	13	Section 7.10 'Screen Layouts' renamed to 'Report Inputs, Outputs and Business Rules' No longer references 'SIDES Reports Matrix v10.xls' Updated version number to Version 13 for Final Review Draft	Lou Ansaldi (ITSC), Jason Holzbach
04/14/08	14	Updates following Consortium Review 4/10/2008 – 4/11/2008 REQUIREMENTS BASELINE ISSUE	Lou Ansaldi (ITSC), Jason Holzbach
5/6/08	15	SIGNED OFF VERSION	Lou Ansaldi (ITSC), Jason Holzbach
7/3/08	16	Updated version number to Version 16 for updated Requirements Baseline reflecting approved changes from CCB #1 document. Changes included in this document are: Glossary items The glossary items included at the end	Lou Ansaldi (ITSC), Jason Holzbach

		of the v15 version of this document were or are reflected in the Glossary document. Therefore we have struck them from this version.	
7/24/08	17	No Changes Updated version number to Version 17 for updated Requirements Baseline reflecting approved changes from CCB #2 document.	Lou Ansaldi (ITSC), Jason Holzbach
12/24/08	18	No Changes Updated version number to Version 18 for updated Requirements Baseline reflecting approved changes from CCB #3 document.	Lou Ansaldi (ITSC), Jason Holzbach

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USE CASE NAME: 7.0 – View Reports

7.1 Brief Description

This Use Case describes the process of building and viewing SIDES reports. The emphasis is on three (3) domains: 1) health and monitoring, 2) record audit though the SIDES system, 3) Charging

7.2 Actors

7.2.1 Broker

7.2.2 Broker Administrator

7.2.3 State or Employer/TPA Administrator

7.3 Pre-Conditions

7.3.1 A Broker Administrator has successfully logged into the Broker Reporting Tool

7.3.2 A State or Employer/TPA Administrator has successfully logged into the Broker Reporting Tool

7.4 Post-Conditions

7.4.1 The Broker Administrator or State or Employer/TPA Administrator has viewed the desired metrics report

7.4.2 The Broker Administrator or State or Employer/TPA Administrator has optionally printed metrics report

7.4.3 The Broker Administrator or State or Employer/TPA Administrator has optionally saved a copy of a report locally

7.5 Basic Flow

7.5.1 The Broker Administrator or State or Employer/TPA Administrator is presented with the reports available based on their access level

7.5.2 The Broker Administrator or State or Employer/TPA Administrator selects the desired report, and enters any necessary criteria for the report

7.5.3 The Broker Administrator or State or Employer/TPA Administrator views, saves, and/or prints the selected report

7.5.4 Use Case ends

7.6 Alternate Flows

None

7.7 Exception Flows

None

7.8 Business Rules

State or Employer/TPA Administrator will only have limited access to reports. For example, they can only view records for which they were the sender or recipient.
Input criteria used to generate a report will be displayed along with the report result set

Broker Administrators will have universal access to all reports and metrics data for all user endpoints.

See Roles Matrix.

7.9 Correspondence

N/A

7.10 Report Input, Outputs and Business Rules

The following reports should be available from the Broker Reporting Tool:

Report 1: Connector "Table" Journal

Input Criteria:
Date Range (required)
Activity (Create, Update, Delete, All) (default all)
Actor (optional)
Entity (default to their own entity)

Candidate Output Elements/Information:

Display of any change to any attribute associated with a Connector within date range selected, including the following elements:
Entity Name
Connector Unique ID
Actor (individual making change)
Role of Actor
Date of Activity
URI

Activity
Contact E-Mail
Contact Telephone
Contact Name
Employer or State Indicator
Begin Date
End Date

Business Rules

A connector/entity can only view their activity

The last entry of in the report will be the current attribute state for a connector

Broker Administrator can view all entity activity

Begin Date is initial date of production operations for a connector. This is updated after a connector becomes operational (active) again to the new time that became active

End date represents the point in time after which connector is not active. A connector should set this date to null initially to represent "active". When a connector leaves the SIDES system, this will represent the date when their participation terminates. When a connector needs to temporarily offline, this date should be set to the time when entity plans to go offline, and then when ready to go online, set value to null.

Report 2: File Transfer

Input Criteria:
Date Range (required)
Posted/Received (only files sent, only files received, Both)
Entity (default to their own entity)
Entities for which Post Files to and Receive from (optional)

Candidate Output Elements/Information:

Presents events as applicable to each File in date range by Post and Received:

By Post/Sent:
For each File in Date Range

For each File GUID:
File Destination
Date/Time Transmitted
Successful Transfers

# of Files (breakout First Time success, Duplicate, and Resent due to lack of Ack)
# of Records
# of Bytes
# of Attachments

Failed Transfers
# of Files (breakout Files Can't Decrypt, malformed, Files Destination is not member, and File too Large (provide file size))
# of Bytes
# of Attachments

By Received:
Same as Post/Sent, except for Failed Files, breakout is: malformed, can’t decrypt, contains failed records

Entity Summary (This would be placed at the footer of the report)
Sent: (sum of column amounts based on the dates inserted into the date range for a given entity)
Total # files
Total # records
Total # bytes

Received:
Total # files
Total # records
Total # bytes

Business RulesDuplicate files can be files sent incorrectly more than once, and also include Files resent/re-posted due to lack of Ack received by connector from Broker

Each Connector/entity only sees their traffic (post, received), and for each Connector/entity for which does business

Totals are provided for successful files and failed files, and breakout categories as applicable

Totals and percents of total attempted are provided for successful and failed by files and bytes

Averages for bytes and records per file, and bytes per attachment

For only State connectors, percent of attempted traffic of total traffic for States Participating

Successful and Failed breakout categories will be summed when appropriate, and percentages provided for each breakout category of the Successful and Failed totals as appropriate

Broker Administrator can view all connectors/entities information

Report 3: Record Detail

Input Criteria:
Date Range (required)
Entity (default to their own entity)
Activity (Post,Collect, or Both)
Entities for which Post Files to and Receive from (optional)
File GUID (optional)
Record GUID (optional)

Candidate Output Elements/Information

For each File in Date Range

Entity
File GUID
Date File Posted/Collected
Activity (Post, Collect, or Both)
Destination/Received From # of Records Succeeded and Failed (only for Post)

A breakout for each successful record in File:
Record GUID
BrokerRecordTransactionNumber
A-1/B-1 through A-4/B-4 (mask all but last 4 digits for SSN [Apply this rule to all reports, and display appropriate unique identifier for identification purposes])
Duplicate Indicator
List of each duplicate record and their BrokerTransactionID and date
Resend lack of Acknowledgement Indicator (post)
Resend after Acknowledgement (collect)
BROKER DATE STAMP (includes State sent, Employer/TPA collect/push, Employer TPA Response Received, State Collect or Pull Response)

A breakout for each failed record in File:
Record GUID
BrokerRecordTransactionNumber
A-1/B-1 through A-4/B-4 (mask all but last 4 digits for SSN [Apply this rule to all reports, and display appropriate unique identifier for identification purposes])
Reason(s) for failure

Business Rules

A connector/entity can only view their activity

Broker Administrator can view all connectors/entities information

Report 4: System Reports – Data Transfer

Input Criteria:
Date Range (required)
Entity (default to their own entity)
Event (Files Posted by File GUID - Not Active, Files Collected by File GUID - Not Active, Connection Timeouts, Connector Received File errors, URI Lookup Failures)

Candidate Output Elements/Information

For Files Posted where Destination Not Active and Files Collected When Entity not Active

- Date Posted
- Begin Date
- End Date
- File GUID
- Destination ID (Post)
- Sender ID (collect)

Connection Timeouts

- Date
- Post, Pull, or Post
- Entity

Routing Lookup Failures

Input Criteria:
Date Range (required)

Candidate Output Elements/Information

- File GUID
- Date
- Posting Entity
- Destination Entity
- Reason for Failure

Business Rules

A connector/entity can only view their activity

Broker Administrator can view all connectors/entities information

Report 5: System Reports – Web Site

Web Site Transaction Events

Input Criteria:
Date
Entity (default to their own entity)

Candidate Output Elements/Information

User
Entity
Transaction Performed
Location or station as available (e.g. IP Address)
Role of User (at time of transaction performed)

Transactions include: User setup and maintenance activity

Web Site Authentication Events

Input Criteria:
Date Range (required)
Entity (default to their own entity)

Candidate Output Elements/Information

User Attempting to Authenticate
Entity
Date and Time of Transaction
Outcome (Success, Fail, Suspended)
Location or station as available (e.g. IP Address)
Role (at time of authentication)

Web Site Users Report

Input Criteria:
Date Range (required)

Entity (default to their own entity)

Candidate Output Elements/Information

Entity
User Name
Date Registered
Last Login
Date access terminated
Email address
Role

Business Rules

A connector/entity can only view their activity

Broker Administrator can view all connectors/entities information

7.11 Other Notes

All report columns must be sortable, and users should have the ability to group records by a selected column.

7.12 Unresolved Issues

7.13 Glossary