CSIO CEPA

CENTRE FOR STUDY OF INSURANCE OPERATIONS
CENTRE D'ETUDE DE LA PRATIQUE D'ASSURANCE

CSIOnet BEBN to TELUS Transition

Limited and Open Test Cases

Last Revision: 2009-01-26

CSIO / CEPA

110 Yonge Street, Suite 500
Toronto, ON

Created by:

TELUS COMMUNICATIONS COMPANY

TELUS
the future is friendly®

CSIO
Release Test Plan

TABLE OF CONTENTS

1. REVISION HISTORY 3
2. HIGH LEVEL PLAN 4
3. AUTHORIZATION AND TEST PHASE CRITERIA 5
4. TEST PHASES AND COVERAGE 6
5. CONTACT LIST 12
6. LIMITED TESTING GROUP: 12

TELUS
the future is friendly

1. REVISION HISTORY

Document Owner

Name	Title	Customer/Line of Business (LOB)
Shaun Vince	Release Manager	TELUS ITSC
Dean Bottschen	Manager	CSIO

Document Revision History

Version	Date	Author(s)	Revision Notes
0.1	January 21, 2009	Shaun Vince	Initial DRAFT
0.5	January 23, 2009	Shaun Vince	DRAFT for CSIO Review
0.9	January 26, 2009	Shaun Vince	DRAFT for final review
1.0	January,28, 2009	Dean Bottschen	Update contact link, table of contents

File Name	J:\CSIONET\TELUS2008\Test Planning\Limited and Open Test Cases_v3

2. HIGH LEVEL PLAN

The test plan includes several basic areas which need to be tested; the details for each are located in the following sections of this document. The overall test strategy involves testing using a limited subset of CSIO subscribers, followed by general testing and a full performance stress test prior to complete implementation.

All testing is to occur in the TELUS "live" environment, which will be transitioned to "Production" mode during the final cutover phase.

High-Level Test

This testing phase will be conducted by TELUS and CSIO representatives. The purpose of the test phase is to ensure that the overall infrastructure is in place and responding as expected to facilitate the Limited and General test phases. There is no functional test of the EDI capability in this phase. Insurance companies with firewall (hardware-) based VPN connectivity to the TELUS Solution will be invited to test their connectivity during this phase.

Limited Test (Cases in this document)

The limited test phase for this release started in November of 2008 and will continue until February, 2009. During this phase, testing is limited to the core testing group (reference section 5 of this document), a group which is expected to be fully representational of the entire subscriber community.

General Testing (Cases in this document)

In this phase, testing is opened to the entire subscriber base (though limited to the Vendors and select Brokers within the 1600-user base), including all Companies. Testing is to include messaging between as many disparate systems as can be identified, and will culminate in a planned stress test. This test phase, not including the stress testing, is expected to run for 10 business days (2 weeks), and is planned to include a subset of the Broker community.

Stress Testing

The solution is expected to handle approximately 50 million messages annually, with about 5 gigabytes (5,000,000,000 bytes) of data traffic per day. During the stress test period, a load will be applied to simulate traffic at approximately 150% of normal traffic load, to ensure that the system will handle reasonably possible "peak" load conditions. This stress testing will run for 5 days, in early March, 2009. During this time, testing may occasionally be halted to allow TELUS to update any system configurations required to handle the load.

3. AUTHORIZATION AND TEST PHASE CRITERIA

Indicate who will authorize each phase to start and end, and what criteria must be met for each phase.

High-Level Test

Authorization to start	Dean Bottschen
Authorized on:	10/06/2008
Authorization criteria:	Infrastructure available (TELUS)
Authorization to finish:	Dean Bottschen
Authorized on:	11/28/2008
Authorization Criteria:	All testing complete and signed off by CSIO

Limited Test

Authorization to start:	Dean Bottschen
Authorized on:	November 2008
Authorization criteria:	Infrastructure Available (TELUS)
Authorization to finish:	Dean Bottschen
Authorized on:	--
Authorization criteria:	100% of executable test cases complete Sign-off from limited testers Known issues have an identified fix plan and date

Open Test

Authorization to start:	Dean Bottschen
Authorized on:	--
Authorization criteria:	Limited Test complete and signed off Test accounts ready for all users
Authorization to finish:	Dean Bottschen
Authorized on:	--
Authorization criteria:	Sign-off from all vendors Sign-off from all companies Known issues reported to TELUS No critical issues open

Stress Testing

Authorization to start:	Dean Bottschen
Authorized on:	--
Authorization criteria:	Open Test Complete
Authorization to finish:	Dean Bottschen
Authorized on:	--
Authorization criteria:	100% of test cases complete System correctly handles load at target load level

4. TEST PHASES AND COVERAGE

Limited and Open Test Cases

The following test cases are to be executed in the Limited and Open Test phases. Each CSIONET subscriber (Insurance Company or BMS Vendor) is asked to complete at a minimum the test cases listed here. CSIO expects that each Insurance Company will contact the Vendors with whom they communicate, in order to facilitate all end-to-end testing. Please reference section 5 for contact information. CSIO also expects that the Companies and Vendors may have additional test cases which they require for internal validation of the system; this list should not be considered to limit testing. *CSIO does request that any test cases and their potential infrastructure requirements be made known to CSIO as soon as possible, so that we can ensure compliance by the TELUS solution.*

Execution of the following Test Cases is REQUIRED:

Web/SSL or Firewall-based VPN basic connectivity

Purpose	Ensure that the network connection between the tester's system and th e CSIOnet VPN concentrator is functioning correctly
Method	Initiate connection to the VPN Tunnel, either through a browser connection to https://CSIOnet.com or through a hardware VPN connection if available.
Outcome	Prompt for login (web) or "Connection Successful" (firewall)
Next Step	Check credentials

VPN Credential

Purpose	Ensure that the login credentials for the SSL / VPN connection are working as expected
Method	Complete WEB/SSL VPN test Login to the VPN tunnel
Outcome	Login Successful
Next Step	*Required for all other tests excepting WEB/SSL*

SMTP connectivity and service

Purpose	Ensure that messages can be sent via SMTP into CSIOnet
Method	Complete "Credential" test case Create and send a test message to a test mailbox. *NOTE: This test needs to be run in a loopback scenario (sending to the tester's own address) in order to validate receipt.*
Outcome	Successful SMTP transfer (i.e. SMTP response 250 mail queued for delivery) Extra: After POP3 check, a "Delivery Receipt" message should also be available. *Refer to Standard C110-03," **Transmission Session Standard - Internet", section 3.2.***
Next Step	POP

POP3 Connectivity and Service

Purpose	Ensure that mail can be retrieved from the POP3 mailbox on CSIOnet
Method	Complete "SMTP" test using the destination of a known (test) mailbox Execute "POP3" mail check and download
Outcome	POP User is authenticated Mail sent to the mailbox is downloaded Extra: After the SMTP check, a "Delivery Receipt" message should be available for any messages sent into CSIOnet. *Refer to Standard C110-03," **Transmission Session Standard - Internet", section 3.2.***
Next Step	Network Notification

Network Notification (Delivery Receipt)

Purpose	Ensure that the network notification messages (Reference CSIO specification) is working correctly
Method	Execute SMTP and POP3 checks
Outcome	POP3 return should include a "Delivery Receipt" message for each SMTP sent message. *Refer to Refer to Standard C110-03," Transmission Session Standard - Internet", section 3.2.* Note: The POP3 mail check will not return "delivery receipt" messages until the mail server has validated delivery, generated, and delivered the receipt messages to the specified "Return-Receipt-To" address. This check should be run only after sufficient time is allowed for the receipts to be delivered.
Next Step	ACK

ACK message delivery

Purpose	Ensure that ACK messages are arriving correctly *Refer to Standard C110-03," Transmission Session Standard - Internet", section 3.3*
Method	Execute SMTP transfer to a mailbox which is expected to return ACK Ensure that the POP3 and ACK activities have been triggered for the destination mailbox Execute POP3 for the sender mailbox
Outcome	POP3 return should include a "ACK" message for each message that had been delivered.
Next Step	MIME encoding

MIME Encoding

Purpose	Ensure that the email structure including the MIME payload segment is correct and readable by the application
Method	Execute SMTP and POP3 checks
Outcome	All messages are correctly parsed into the software. MIME boundaries are correctly defined *Refer to Standard C110-03," Transmission Session Standard - Internet", section 3.1* Specifically; Content-Type (in body): Must specify at least name="filename.xxx" Content-Disposition: must specify at least filename="filename.xxx" MIME encoding: Use Base64 MIME encoding. Surround MIME and MIME header with boundary separator. The body of the email does not contain any text, just MIME encoding.
Next Step	N/A

CSIO Header

Purpose	Ensure that the SMTP message envelope includes the correctly defined header fields
Method	Execute SMTP and POP3 checks
Outcome	Message is correctly parsed into the software Message format (SMTP headers) are correct to the specification *Refer to Standard C110-03," Transmission Session Standard - Internet", section 3.1* Specifically; To: the destination userid From: the sender Subject: must be in the format "Subject: EDI Xmit Msg-Id$:" this is fixed text {datestamp}.{userid} where {datestamp} is YYYYMMDD+ticks since midnight (equivalent to output of the C function "biostime()") Return-Receipt-To: the userid to receive delivery notifications Content-Type: Must specifiy at least BOUNDARY="{unique text}" where {unique text} is sufficiently unique not to appear as part of the body text of the message Content-Type, Content-Disposition, and MIME encoding as per the MIME HEADERS test.
Next Step	TBD

Execution of the following test cases is OPTIONAL:

Archive (Only Insurance Companies Receive, from Broker Vendor Systems)

Purpose	Ensure that emails sent to Archive mailboxes correctly arrive and are manageable by the Archive owner
Method	Configure a mail client to access the Archive mailbox(es) After receiving messages (POP3 test) which should also be copied to archive, open the mail client and review Archive contents. Delete messages from the archive using mail client capabilities Store archive messages locally using mail client capabilities
Outcome	Emails correctly arrive in the archive file Archived emails can be stored to local disk Archived emails can be deleted
Next Step	N/A

Notes and expectations

Limited subsets of accounts are available for testing. Please use only your validated test accounts, and the test accounts of other CSIONET subscribers with whom you are performing testing.

5. CONTACT LIST

For the most current information, please access our secure site to view or download the testing contact information from: http://www.csio.com/en/download.cfm?Filename=CSIOnetlog/Contact_info_for_Web_Site_Jan_1309(3).xls

6. LIMITED TESTING GROUP:

The following companies are part of the group performing the "Limited Testing" phase:

Mastercom	CIM-data	AXA
RSA	Dominion	Hub International
Economical	Union Canadienne	Powerbroker
Aviva	Pembridge	Wananesa
Applied	Keal	Horizon Insurance Broker