Revision History

<table>
<thead>
<tr>
<th>Version</th>
<th>Date Completed</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0</td>
<td>August 2011</td>
<td></td>
</tr>
</tbody>
</table>

Table of Contents

1. INTRODUCTION ............................................................................................................... 1
   1.1 Overview ...................................................................................................... 1
   1.2 Scope of connectivity testing ........................................................................... 1
   1.3 What other applications should be running on the PC? ........................................ 2

2. PREREQUISITES .................................................................................................. 3
   2.1 PCs, settings and configurations ...................................................................... 3
   2.2 ANNI/ASX Net network settings ....................................................................... 3
   2.3 Obtain token and certificate ............................................................................ 3
   2.4 Install the RITS software package .................................................................... 3
   2.5 RITS Launch Page ......................................................................................... 10

3. CONNECT TO RITS ......................................................................................... 11
   3.1 Connecting via the Austraclear network (ANNI/ASX Net) ............................... 11
   3.2 Connecting via the Internet ............................................................................ 12

4. TROUBLESHOOTING .................................................................................. 17

5. RBA CONTACTS ............................................................................................ 20
1. INTRODUCTION

1.1 Overview

This document is a guide to:

- establishing basic connectivity between new Members and the RITS user interface; and
- re-confirming connectivity to RITS for existing Members.

For new Members the aim of connectivity testing is to connect a single user of the organisation to the login page of the RITS Pre-Production environment and run the RITS Testcard from that location. Successfully accessing the RITS Testcard confirms the organisation’s ability to access the RITS environment over the chosen network and confirms the RITS software that is loaded onto the PC.

This staff member may be the Password/Certificate Administrator, who has attended training at the RBA and who has downloaded the RITS digital certificate onto a RITS token provided by the RBA.

From time-to-time existing Members may be required to re-confirm connectivity to RITS. This may be to re-confirm network settings and configurations or verify an updated RITS software package. Existing Members are also asked to log in to the Pre-Production environment to complete the testing. The RBA will contact Members when these tests are required.

As the components of the Pre-Production and Production environments are identical, accessing Pre-Production will prove that connectivity to RITS Production can also be achieved.

This guide should be made available to Members’ IT staff.

1.2 Scope of connectivity testing

Members should test connectivity over the networks paths (Austraclear Network – ANNI/ASX Net; internet) that they use to access RITS.

Members that use both RITS access paths – for example, the Austraclear network (ANNI/ASX Net) to their primary site and internet to their secondary site - should verify connectivity over both paths.

Members that use ANNI/ASX Net or the internet exclusively should only test the path relevant to them.

The RITS Requirements for Access to the RITS User Interface document describes the network requirements in more detail. This paper is available at http://www.rba.gov.au/rits/info/ under the ‘Connectivity Requirements’ tab.
1.3 What other applications should be running on the PC?
Applications that are normally used during daily operations should be running during connectivity testing. This will ensure that any conflicts in version requirements will be addressed.
2. PREREQUISITES

There are three prerequisites for connectivity testing:

- the RITS software package must be installed on the PC that is being used to access RITS;
- the specifications, settings and configuration of the PC must align with the details provided in the Technical Information Paper; and
- a RITS token, loaded with a RITS digital certificate, must be available.

Details are described in the Technical Information Paper, which is available here and from the RITS Help Desk.

2.1 PCs, settings and configurations

The PC(s) used to access RITS must satisfy minimum specifications and contain the recommended settings for Internet Explorer and network configurations. The PC used by the Member must be representative of those currently used for RITS Production access.

2.2 ANNI/ASX Net network settings

Details of ANNI/ASX Net network addresses are available from Appendix 1 of the Technical Information Paper.

2.3 Obtain token and certificate

At least one staff member of a new RITS Member must obtain a certificate and token. The RITS Help Desk will provide assistance.

Existing users will already have a digital certificate and token that may be used to re-test connectivity.

2.4 Install the RITS software package

The RITS software package can be obtained in two ways:

- on a CD provided by the RITS Help Desk; or

The approximate file size is 36 megabytes.

2.4.1 CD option

Members who prefer to receive the software via CD should contact the RITS Help Desk. On receipt of the CD the user should follow these steps:

1. ensure a RITS token is not connected to the PC
2. insert the CD
3. open Windows Explorer
4. select the drive that represents the CD-ROM drive
5. double click on the file.

For **Windows 7** the following screen will be displayed.

Select **Next** to continue.
The following screen will be displayed.

Select **Next** to continue. The following screen will be displayed.

Select **Install** and follow the prompts.
2.4.2 Download option

The software download is available over the Internet at www.rba.gov.au/rits. The following screen is displayed.

<table>
<thead>
<tr>
<th>Site Link</th>
<th>Site Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RITS Information Facility</td>
<td>The RITS Information Facility contains a wide range of information about RITS including the legal structure, guides to functionality, training presentations and other relevant material.</td>
</tr>
<tr>
<td>RITS Launch Page</td>
<td>Download software for the RITS Launch Page. This software is also available on CD from the RITS Help Desk.</td>
</tr>
<tr>
<td>RITS Software</td>
<td>Download software that must be installed prior to accessing RITS. This includes the Rainbow Key drivers, the Java Plug-in and software for digital signing. This software is also available on CD from the RITS Help Desk.</td>
</tr>
<tr>
<td>RITS Token Administration</td>
<td>Run the RITS Token Administration facility to format and configure your RITS Key token.</td>
</tr>
<tr>
<td>RITS Testcard</td>
<td>The RITS Testcard is a webpage that checks if your PC is setup correctly to access RITS. Note that issues relating to network configuration are not tested by this facility.</td>
</tr>
</tbody>
</table>

Select the RITS Software link.
Connectivity Testing

R I T S Prerequisites

For **Windows 7** the following dialogue box will be displayed.

Single click on the relevant version of software – 32 bit or 64 bit. The following dialogue box may be displayed.
Connectivity Testing

**R I T S Prerequisites**

Select **Run** to continue. The following screen may be displayed.

![RITS Client Side Software Installer](image1)

Select **Run** to continue. The following dialogue box will be displayed.

![RITS Client Side Software 32bit - InstallShield Wizard](image2)
Select **Next**. The following screen will be displayed.

Select **Next** to continue. The following screen will be displayed:

Select **Install** and follow the prompts.
2.5 RITS Launch Page

This software places an icon on the desktop. When selected the icon opens the RITS Launch Page, which automatically detects at which site RITS is available and connects to RITS using the default network path. It also has a manual option that permits the user to select network paths.

This software is not required for connectivity testing.

The RITS Launch Page software can be made available on the same CD as the RITS Software package and it is also available on the RITS website.
3. CONNECT TO RITS

3.1 Connecting via the Austraclear network (ANNI/ASX Net)

3.1.1 New user

To access the RITS Testcard using the ANNI/ASX Net network, type the following address into the Address bar of the browser:


The following dialogue box displays.

Enter the **Token Codeword** for your RITS token and press **OK**.

If no codeword or an incorrect codeword is entered (and **OK** is pressed), the RITS Testcard will run, but it will not be able to verify that digital signing is operational.

The RITS Testcard opens in a new browser window.
3.1.2 Existing users

Existing users should follow the instructions given in section 3.1.1 and then also login to RITS Pre-Production to confirm access.

3.2 Connecting via the Internet

3.2.1 New user

To access the RITS Testcard using the Internet, type the following address into the address bar of the browser:

https://pp.rits.rba.gov.au

You will be prompted to confirm the certificate to be used. If there is more than one certificate on your token, you will need to select one certificate.
Connectivity Testing

R I T S

Connect to RITS

Highlight the certificate by clicking on it and press OK.

The following screen is displayed.

Enter the Token Codeword supplied by the RITS Help Desk and press OK.
Connectivity Testing

R I T S

Connect to RITS

The following screen is displayed.

The Pre-Production login screen is displayed.

Important: This screen must be kept open to maintain internet access.

Select Click here to login to RITS.

The Pre-Production login screen is displayed.
Connectivity Testing

R I T S  
Connect to RITS

RITS
Reserve Bank Information & Transfer System

RITS Pre-Production Environment
Insert token, then enter username and password.

Username
Password
Login

This login page will expire in 30 seconds

RITS Token Administration  RITS Testcard  RITS Software  RITS Launch Page Software

RITS is only for use by Members’ authorised users in accordance with the RITS Regulations

Select **RITS Testcard**.

The following dialogue box may be displayed.

Select **Yes** to continue.
Connectivity Testing

R I T S

Connect to RITS

The following dialogue box is displayed.

![Image of token codeword dialogue box]

Enter the **Token Password** supplied by the RITS Help Desk and press **OK**.

If no codeword or an incorrect codeword is entered (and **OK** is pressed), the RITS Testcard will run, but it will not be able to verify that digital signing is operational.

The RITS Testcard opens in a new browser window.

![Image of RITS Test Card]

### 3.2.2 Existing users

Existing users should follow the instructions given in section 3.2.1 and then also login to RITS Pre-Production to confirm access.
4. TROUBLESHOOTING

If you experience difficulties with connectivity testing please contact the RITS Help Desk for assistance.

Once you have reached the RITS Testcard, the following may assist you to interpret its findings.

<table>
<thead>
<tr>
<th>Machine Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating System</td>
</tr>
<tr>
<td>Screen Resolution (1024 * 768)</td>
</tr>
<tr>
<td>Fast User Switching OFF</td>
</tr>
<tr>
<td>Java Runtime Environment 1.4.2_10 or later</td>
</tr>
<tr>
<td>Java Runtime Environment Auto Update disabled</td>
</tr>
</tbody>
</table>
**Browser Requirements**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Internet Explorer version 6 or later</td>
<td>Must have Internet Explorer version 6 or above</td>
</tr>
<tr>
<td>Java Script must be 1.1 or above</td>
<td>Java Script must be 1.1 or above</td>
</tr>
<tr>
<td>Applets enabled</td>
<td>Scripting of Java applets must be ENABLED</td>
</tr>
<tr>
<td>Applet to Java Script calls enabled</td>
<td>Scripting of Java applets must be ENABLED</td>
</tr>
<tr>
<td>You are required to have JRE 1.4.2_10 or later</td>
<td>Java Run Time version must be 1.4.2_10 or above</td>
</tr>
<tr>
<td>Run ActiveX Controls &amp; Plug-ins Enabled (Trusted Sites)</td>
<td>Run ActiveX Controls &amp; Plug-ins must be ENABLED (Trusted Sites)</td>
</tr>
<tr>
<td>Script Active X controls marked safe for scripting</td>
<td>Script Active X controls marked safe for scripting must be ENABLED (Trusted Sites)</td>
</tr>
<tr>
<td>Allow Previously Unused ActiveX controls to run without prompt</td>
<td>Allow Previously Unused ActiveX controls to run without prompt must be ENABLED (Trusted Sites)</td>
</tr>
<tr>
<td>Initialize and script ActiveX controls not marked as safe for scripting</td>
<td>Initialize and script ActiveX controls not marked as safe for scripting must be ENABLED (Trusted Sites)</td>
</tr>
<tr>
<td>Downloads - File Downloads Enabled</td>
<td>Downloads - File Downloads must be ENABLED (Trusted Sites)</td>
</tr>
<tr>
<td>Scripting - Scripting for Java applets</td>
<td>Scripting of Java applets must be ENABLED (Trusted Sites)</td>
</tr>
<tr>
<td>Scripting - Active Scripting</td>
<td>Active Scripting must be ENABLED (Trusted Sites)</td>
</tr>
<tr>
<td>Advanced - Use HTTP 1.1</td>
<td>Use HTTP1.1 must be CHECKED</td>
</tr>
<tr>
<td>Advanced - Use HTTP 1.1 Through Proxy Connections</td>
<td>Use HTTP1.1 through proxy connections must be CHECKED</td>
</tr>
</tbody>
</table>
**Token Requirements**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>SafeNet Token Software installed</td>
<td>SafeNet Token Software must be installed</td>
</tr>
<tr>
<td>SafeNet Token Software Process running</td>
<td>SafeNet Token Software must be installed</td>
</tr>
<tr>
<td>You are required to have Token Dll version 3.0 installed.</td>
<td>Delete Cache of Internet Explorer and try again</td>
</tr>
<tr>
<td>Driver version dkck201 installed</td>
<td>Uninstall and Install SafeNet Token Software</td>
</tr>
<tr>
<td>Token Label should be RITS Token</td>
<td>Token should be RITS Issued Token</td>
</tr>
<tr>
<td>Check Certificate Validity</td>
<td>Collect new certificate</td>
</tr>
<tr>
<td>Test Token Signing</td>
<td>Enter Correct PIN, Check SafeNet token software is installed</td>
</tr>
</tbody>
</table>
5. RBA CONTACTS

RITS Help Desk

Telephone: 1800 659 360
Fax: 02 9551 8063
Email: rits@rba.gov.au

Technical questions

Gary Hill
Senior Manager (RTGS Systems), Payments Settlements
Telephone: (02) 9551 8981
Email: hillg@rba.gov.au

Business questions

Alison Clark
Senior Manager (Business Policy & Services), Payments Settlements
Telephone: (02) 9551 8941
Email: clarka@rba.gov.au