

**COMMUNICATIONS
ALLIANCE LTD**



INDUSTRY GUIDELINE
G622:2004
EIE ADMINISTRATION NODE
CONNECTIVITY TESTING

G622:2004 EIE Administration Node Connectivity Testing Industry Guideline

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1 SCOPE AND OBJECTIVES

1.1 Introduction

- 1.1.1 The purpose of this document is to provide the basis of the framework for new Participants to undertake successful EIE connectivity testing with the EIE Administration Node. This applies to all Participants who wish to use EIE infrastructure.
- 1.1.2 The objective of this document is to specify a standard level of EIE connectivity testing to be carried out between a new Participant and the EIE Administration Node. The document specifies what is expected from each Participant and what will be considered successful EIE connectivity testing.
- 1.1.3 This document should be read in conjunction with G608:2004 **EIE Infrastructure Common Network Specification** and G621:2004 **EIE Compliance Standards** Industry Guidelines.

1.2 Scope

- 1.2.1 This document covers the EIE connectivity testing required by a new Participant to successfully test EIE connectivity with the EIE Administration Node.
- 1.2.2 There are two phases of testing that will be required to be successfully completed in the following order:
 - (a) EIE connectivity testing with the Participants communications access supplier; and
 - (b) EIE connectivity testing with the EIE Administration NodeTesting of the Participant with other Participants and with an Application Provider is not in the scope of this document. It is expected that this testing will be performed as part of the Application Providers testing.
- 1.2.3 Participants are not required to be involved in EIE connectivity testing with other Participants as part of this activity, but may choose to do so.

1.3 Objectives

- 1.3.1 The objectives of EIE connectivity testing is to ensure the:
 - (a) EIE connectivity of the Participants up to and including the firewall configuration is operational; and
 - (b) Participant is ready to move to other testing as may be required to use an EIE application.

1.4 Guideline review

Review of the Guideline will be conducted after five years of the Guideline being published.

2 ACRONYMS, DEFINITIONS AND INTERPRETATIONS

2.1 Acronyms

For the purposes of the Guideline, the following acronyms apply:

ANOC	Administration Node Operating Company
CA	Communications Alliance
CSP	Carriage Service Provider
EIE	Electronic Information Exchange
EIEMC	EIE Management Committee

2.2 Definitions

For the purposes of the Guideline, the following definitions apply:

Administration Node Operating Company

means the company that in accordance with the CA Agreement provides hosting, support and maintenance for the EIE Administration Node.

Application Layer Testing

means testing performed between two or more Participants to determine correct operation of message transfer systems and passing of correct data.

Application Provider

means the entity providing an application deployed on the EIE infrastructure.

EIE Administration Node

means the central node that provides services to support applications deployed on EIE infrastructure.

EIE Management Committee

means the CA Management Committee established to manage all aspects of use of the EIE.

EIEnet

means the EIE common network.

EIEnet Provider

means the Network Provider of the EIEnet.

Incident Report

means a report outlining any incidents raised or noted during testing.

Network Provider

means a supplier of the physical EIE network infrastructure.

Participant

means a party involved in EIE applications.

Test Strategy

means the method testing given software, the testing plan of action.

2.3 Interpretations

In the Guideline, unless the contrary appears:

- (a) a reference to a statute, ordinance, code or other law includes regulations and other instruments under it and consolidations, amendments, re-enactments or replacements of any of them;
- (b) words in the singular includes the plural and vice versa;
- (c) words importing persons include a body whether corporate, politic or otherwise;
- (d) a reference to a person includes a reference to the person's executors, administrators, successors, officer, employee, volunteer, agent and/or subcontractor (including but not limited to, persons taking by novation) and assigns;
- (e) if a period of time is specified and dates from a given day or the day of an act or event, it is to be calculated exclusive of that day; and;
- (f) a reference to a day is to be interpreted as the period of time commencing at midnight and ending 24 hours later.

3 REFERENCES

Publication	Title
Industry Guidelines	
CA G608:2004	EIE Infrastructure Common Network Specification
CA G621:2004	EIE Compliance Standards
Industry Documents	
EINet Request Form	
https://prod.eie.net.au/portal	
<i>Telecommunications Act 1997</i>	

4 TEST SCOPE

4.1 EIE Connectivity Testing

The scope of EIE connectivity testing includes end to end connectivity (including EIE, access links and firewalls) of the Participant with the EIE Administration Node.

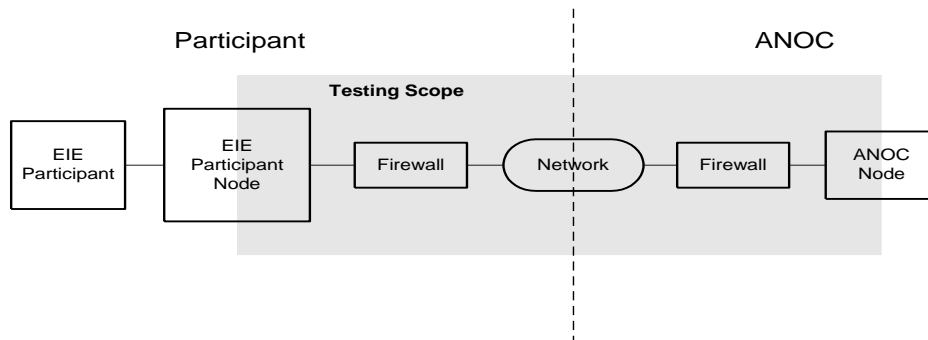


FIGURE 1

EIE Testing Scope

4.2 Out of Scope

This EIE connectivity testing does not include end to end connectivity (including EIE, access links and firewalls) of the Participant with the Application Provider. Other connectivity testing will be determined in arrangements directly between the Participant and the Application Provider.

The following list describes other IT features that will not be tested as part of EIE connectivity testing:

- (a) Message layer testing
- (b) Application Layer Testing
- (c) Archival of data
- (d) Security testing
- (e) Recovery testing
- (f) Stress/volume testing
- (g) Performance
- (h) Participant to Participant transactions

Where appropriate, each Participant will test these features internally and in accordance with the Application Providers requirements. They are not included in this EIE connectivity testing because the testing of this functionality will vary according to the EIE application being used and is therefore the direct responsibility of the Participant and the Application Provider.

5 TEST STRATEGY

5.1 Test Participant

- 5.1.1 Before commencing EIE connectivity testing, the new Participant must have successfully completed connectivity testing with its communications access supplier (e.g. ISP or EInet Provider).
- 5.1.2 During EIE connectivity testing a representative from the Participant should be appointed to co-ordinate test activity.

5.2 Testing

Where an application makes use of the EIE Administration Node the Participant must successfully complete EIE connectivity with the EIE Administration Node before proceeding to EIE application testing.

6 ENTRY CRITERIA

6.1 Prerequisite

A prerequisite to the commencement of any EIE connectivity testing is that the Participant must be an EIE subscriber.

Upon signing the EIE Subscriber Agreement the Participant will be provided with login details (username and password) to access the EIE Administration Node.

6.2 Notification of Readiness

The Participant must provide a minimum of 6 weeks' notice to CA and the ANOC of their intent to subscribe to EIE in order to undertake EIE connectivity testing in sufficient time to accomplish any other testing that may be required as part of using an EIE application. Notification of readiness to test should take into consideration the time to complete the tasks outlined in the checklist at Appendix A.

7 EIE CONNECTIVITY TESTING

The Participant will verify access to the EIE Administration Node by either:

- browsing to the URL <https://prod.eie.net.au>; or
- exchanging messages using the supported messaging protocol;

and logging in by using the username and password provided by the ANOC.

This is independent of the actual communications access medium, whether EInet or Internet.

There are no specific EIE test windows. Access to the ANOC is available at all times to allow a Participant to undertake testing at any time.

8 EXIT CRITERIA

EIE connectivity testing will be considered complete when the Participant has successfully logged in to the EIE Administration Node and this activity is logged by the EIE Administration Node.

9 MIGRATION TO PRODUCTION

At the conclusion of successful EIE connectivity testing, the Participant will receive approval from the EIEMC to use EIE infrastructure.

The use of an EIE application will be determined by the particular Application Provider and the requirements of the Application Provider and other Participants (where applicable).

This may include:

- (a) testing of connectivity to and from all other Participants currently using the particular application;
- (b) verification that the security functionality of the new Participant meets the requirements specified for that application; and
- (c) successful exchange of transactions.

Co-ordination of these activities will be the responsibility of the Application Provider.

10 ROLES AND RESPONSIBILITIES

10.1 Participants

It is expected that each Participant will evaluate their own test results and initiate corrective action where necessary.

TABLE 1
Roles and Responsibilities

Role	Responsibilities
Escalation Contact (ANOC and Participant)	<ul style="list-style-type: none">• Escalation contact point during testing; ANOC at https://prod.eie.net.au• Provide an escalation path for Incident Reporting.
ANOC Technical Contact	<ul style="list-style-type: none">• ANOC primary contact point during testing.• Is responsible for assisting with test deliverables.• Provides technical assistance during test execution.• Reports test difficulties to the ANOC Escalation Contact.
Test Analyst	<ul style="list-style-type: none">• First contact point during testing.• Is responsible for test execution.• Reports test progress to the Participant.

11 TEST MANAGEMENT AND ADMINISTRATION

The following section outlines the processes for EIE connectivity testing.

11.1 Task Management

11.1.1 Testing can be performed at any time.

11.1.2 The EIE connectivity testing requirements are defined in Section 7.

11.2 Status Reporting

The participant will report successful completion of testing to the Application Provider.

11.3 Escalation Procedures

11.3.1 Each Participant must nominate an escalation contact who will be advised of any incidents identified in testing and any jeopardy to continuation of testing.

11.3.2 Further escalation may be required at the discretion of any, or all, of the escalation contacts if they cannot reach agreement.

11.4 Change Management

It is the responsibility of each Participant to have a current change control mechanism in place.

11.5 Resourcing

It is the responsibility of the Participant to ensure that sufficient resources are made available to support the task and roles identified for successful EIE connectivity testing.

APPENDIX

A EIE CONNECTIVITY TESTING CHECKLIST

1. Testing is available at any time
2. This table is a guideline to offer assistance to new Participants, in some circumstances not all the steps in the table will be applicable, and for example, where an existing EIE subscriber is currently using an application that does not use the EIE Administration Node only steps 7 and 8 may be applicable.

TABLE 2
New Entrant Checklist

Task No	Task	Timeframe	Completed
1	Obtain relevant EIE and EIE application documentation	As required	
2	Notify CA EIEMC of intention to participate in an EIE application	Allow minimum of six weeks	
3	Sign EIE Subscriber Agreement	Allow one week	
4	Receive user id and passwords to access to EIE Administration Node	Allow one week	
5	Communications access medium a) EInet <ul style="list-style-type: none"> • Order placed • Delivery confirmed (successful ping test) b) Internet <ul style="list-style-type: none"> • Order placed • Delivery confirmed 	Allow nine weeks for an EIE connection Variable, depending on ISP	
6	Test connectivity between Participant and Network Provider	Variable	
7	Test connectivity to the EIE Administration Node	One week	
8	Advise successful results to Application Provider		

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