

**COMMUNICATIONS
ALLIANCE LTD**



DRAFT INDUSTRY GUIDELINE
DR G613.1:2016
LOCAL NUMBER PORTABILITY
IT TEST PLAN PART 1

**Draft Industry Guideline DR G613.1:2016 Local Number
Portability IT Test Plan Part 1**

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1 INTRODUCTION

1.1 General

- 1.1.1 The development of this Guideline has been facilitated by Communications Alliance through a Working Committee comprised of representatives from the telecommunications industry.
- 1.1.2 The Guideline should be read in the context of other relevant codes, guidelines and documents.
- 1.1.3 The Guideline should be read in conjunction with related legislation, including:
 - (a) the Act;
 - (b) the *Telecommunications (Consumer Protection and Service Standards) Act 1999 (Cth)*;
 - (c) the *Competition and Consumer Act 2010 (Cth)*;
 - (d) the *Privacy Act 1988 (Cth)*; and
 - (e) the *Spam Act 2003 (Cth)*.
- 1.1.4 Where there is a discrepancy between the *Local Number Portability IT Test Strategy Industry Guideline (G603:2013)* and the *Local Number Portability IT Test Plan Industry Guideline Parts 1 to 5 (G613:2016)*, the Test Plan will take precedence.
- 1.1.5 If there is a conflict between the requirements of the Guideline and any requirements imposed on a Service Provider by statute, the Service Provider will not be in breach of the Guideline by complying with the requirements of the statute.
- 1.1.6 Compliance with this Guideline does not guarantee compliance with any legislation. The Guideline is not a substitute.
- 1.1.7 The purpose of this document is to provide the basis of the framework for testing new LNP functionality and new Participants to LNP. This applies to all Carriers participating in LNP.
- 1.1.8 The objective of this document is to specify a standard level of LNP IT Testing to be carried out between Participants. The document will make clear what is expected from each Participant and what will be considered successful LNP IT Testing.

2 SCOPE, OBJECTIVES AND DELIVERABLES

2.1 Scope

- 2.1.1 The scope of the LNP IT Test Plan is to document the test components required for all Participants to successfully complete LNP IT Testing. LNP IT Testing will be conducted in two phases:

- (a) IT Link Testing; and
- (b) Application Layer Testing

2.1.2 This document also contains a test execution schedule which can be used as a guideline for bilateral LNP IT Testing between Participants.

2.2 Objectives

- 2.2.1 The objectives of IT Link Testing are to ensure:
- (a) the connectivity of the two Participants up to and including that the firewall configuration is operational; and;
 - (b) the IT Link is ready to support Application Layer Testing.
- 2.2.2 The objectives of Application Layer Testing are to ensure:
- (a) transactions are passed correctly between the Participants;
 - (b) format and content is correct;
 - (c) transactions are sent and processed in the correct sequence;
 - (d) transactions are correctly accepted or rejected; and
 - (e) the PLNR is correctly updated.

2.3 Deliverables

The following have been identified as deliverables of the LNP Test Coordinators:

- 2.3.1 **Documentation**
- Determine Test Modules
 - Determine Test Execution Schedule
 - Determine Test Conditions
- 2.3.2 **Preparation**
- Preparation of the Bilateral Agreement which includes the Intercarrier Interface Test Plan
 - Preparation of Test Cases
 - Preparation of Test Data
- 2.3.3 **Agreement**
- Documentation above is complete and signed off
 - Bilateral Agreement is complete and signed off

- Test Cases are complete & signed off
- Test Data is complete and signed off
- Agreed Timetable for LNP IT Testing

2.3.4 **Test Execution**

- Conduct tests as agreed
- Daily Test Status Report
- Weekly Test Summary Report
- Test Summary Report (final)

2.3.5 **Test Exit Criteria**

- Both Participants agree that all test cycles and test cases have been successfully executed and agree to proceed into production.

2.4 2016 Revision

The Guideline was revised in 2016 to ensure consistency with the revised *Local Number Portability Industry Code Incorporating Variation No.2/2016 (C540:2013)*.

- Appendix D, Response Code 017 changed to No Longer Required.
- References updated.

2.5 Guideline Review

The Guideline will be reviewed every 5 years, or earlier in the event of significant developments that impact on the Code or Guideline, or a chapter within the Code or Guideline.

3 DEFINITIONS

3.1 Acronyms

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

ACIF	Australian Communications Industry Forum Limited
ACMA	Australian Communications and Media Authority
AP	Access Provider
AS	Access Seeker
ASD	Access Service Deliverer
CA	Customer Authorisation
Cat. A Process	Category A Process
Cat. C Process	Category C Process
Cat. D Process	Category D Process
CCA	Complex Cutover Advice
CSP	Carriage Service Provider
CNA	Complex Notification Advice
ECA	Electronic Cutover Advice
OASD	Originating Access Service Deliverer
LNP	Local Number Portability
PABX	Public Automatic Branch Exchange
PNO	Porting Notification Order
PNV	Pre-port Number Validation
PSD	Prime Service Deliverer
PSS	Portability Service Supplier
SNA	Simple Notification Advice
TCCA	Transfer Complex Cutover Advice
TCNA	Transfer Complex Notification Advice
TECA	Transfer Electronic Cutover Advice
TrSD	Transit Service Deliverer
TSNA	Transfer Simple Notification Advice

TULL	ULLS Transfer
ULLS	Unconditioned Local Loop Service

3.2 Definitions

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

NOTE: Should a difference occur between definitions listed in the Local Number Portability Industry Code Incorporating Variation No.2/2016 (C540:2013) and this document, the Code will take precedence. If terms are not defined in this document, the definitions as per the Code will apply.

Act

means the *Telecommunications Act 1997 (Cth)*.

Application Layer Testing

means the testing performed between two Participants to determine correct operation of the interfaces and passing of correct data.

Bilateral Agreement

means any agreement between two parties.

Carriage Service Provider

has the same meaning as in the Act.

Carrier

has the same meaning as in the Act.

Carrier

has the same meaning as in the Code.

Customer Authorisation

has the same meaning as in the Code.

Donor Carrier

means the Carrier to which a Telephone Number has been allocated under the Numbering Plan.

Gaining Carrier

means the Carrier to which a Telephone Number has been or is to be Ported.

Incident Report

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

Losing Carrier

means the Carrier from which a Telephone number has been or is to be Ported.

National Public Holiday

has the same meaning as in the Code.

Numbering Plan

means the *Telecommunications Numbering Plan 2015*.

Originating Access Service Deliverer

has the same meaning as in the Code.

Participant

means, for the purposes of LNP, those Carriers involved in sending or receiving LNP transactions to another Carrier.

Port

has the same meaning as in the Code.

Ported Local Number Registers

has the same meaning as in the Code.

Service Account Number

means the Customer's account number of the CSP who is billing the Customer.

Standard Hours of Operation

means 8 a.m. to 5 p.m. (Standard Time) on Business Days.

Standard Telephone Service

has the same meaning as in the Code.

Standard Time

has the same meaning as in the Code.

Test Case

means a collection of test conditions with specified input data values, expected and actual results.

Test Condition

means a business / Technical / Control requirement that is to be tested.

Test Cycle

means a logical grouping of Test Conditions for administrative and monitoring purposes.

Test Data

means data to support test cases.

Test Documentation

includes test cases, test data, test schedule and expected results.

Test Execution Schedule

means the Schedule of testing activities.

Test Strategy

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

Test Verification

means the process of confirming from expected results and actual results that the system is working according to specifications.

4 TEST OBJECTIVES

4.1 IT Link Testing

The objective of IT Link Testing is to ensure the connectivity of the two Participants, up to and including access links and firewalls.

4.2 Application Layer Testing

4.2.1 Non - Functional Application Layer Testing

The objective of Non-Functional Application Layer Testing is to ensure:

- (a) security aspects for file transfer are supported as agreed; and
- (b) file transfer mechanisms are in place and provide the required functionality.

4.2.2 Functional Testing

The objective of Functional Application Layer Testing is to ensure that:

- (a) Participant's systems process according to the *Local Number Portability Industry Code Incorporating Variation No.2/2016 (C540:2013)* and *Local Number Portability IT Specification and Operations Manual, Industry Guideline Parts 1 to 5 (G602:2016)*;
- (b) files and transactions are passed correctly between Participants;
- (c) format and content is correct;
- (d) transactions are sent in the correct order;
- (e) transactions are sent in the correct timeframe;
- (f) transactions are correctly accepted;
- (g) functions can handle exception conditions, ie the relevant validation and verification is in place so all errors are detected and reported via the appropriate Response Codes as per *Local Number Portability IT Specification and Operations Manual Industry Guideline Parts 1 to 5 (G602:2016)*; and
- (h) the PLNR is updated correctly.

The testing of each function will only verify basic error processing and successful execution.

5 TEST SCOPE

The test scope is detailed in the *Local Number Portability IT Test Strategy Industry Guideline (G603:2013)*.

6 DELIVERABLES

6.1 Test Scenarios and Test Cases

The test scenarios and test cases for each testing phase are detailed in Appendix E.

NOTE: The number of test cases to be executed will depend on the two Participants on a bilateral basis.

6.2 Test Execution Schedule

6.2.1 IT Link Testing - refer Appendix E.

6.2.2 Application Layer Testing – refer Appendix E.

6.3 Test Results

6.3.1 Each Participant is to record the results from each test case.

6.3.2 These results are to be consolidated in the daily Test Status Report distributed to the Test Co-ordinators.

6.3.3 Each Participant will record results in sufficient detail to support Incident Reporting and issues management.

6.4 Test Status Report

6.4.1 Each day, the Test Manager for each Participant is to produce a Test Status Report outlining the progress of the testing against the Test Execution Schedule, and any Incident Reports raised or closed.

6.4.2 This report is to be forwarded to the Participant's Test Co-ordinator at the conclusion of each day's testing.

6.4.3 A template for the Test Status Report is attached at Appendix B.

6.5 Test Summary Report

6.5.1 Weekly and at the conclusion of the testing, the Test Co-ordinator will produce a Test Summary Report.

6.5.2 A sample content of the Test Summary Report is attached at Appendix F.

7 DELIVERABLES

7.1 Overall Approach

- 7.1.1 *Local Number Portability IT Test Strategy* Industry Guideline (G603:2013) contains a detailed outline of the LNP Test Strategy. In summary, LNP IT Testing will be conducted in two phases:
- 7.1.2 IT Link Testing
- 7.1.3 Application Layer Testing
- 7.1.4 Successful completion of IT Link Testing is a pre-requisite to commencement of Application Layer Testing.

7.2 Test Focus

The focus of all LNP tests is to ensure that Participants are compliant with the applicable LNP Specifications. Detailed transaction specifications are outlined in *Local Number Portability IT Specification and Operations Manual* Industry Guideline Parts 1 to 5 (G602:2016).

7.3 Regression Strategy

- 7.3.1 In case of any incident found, alterations of the Test Execution Schedule may occur to allow time for program modifications. Any changes to the Test Execution Schedule must be agreed between Participants. However, any unsuccessful test cases should be executed again.
- 7.3.2 Depending upon the severity of the error detected, the options are:
 - (a) to re-execute a Test Cycle; or
 - (b) to re-execute specific Test Cases within a Test Cycle.
- 7.3.3 Regression testing may be undertaken where appropriate. The test focus will be either to ensure there is no regression of existing results, or to ensure the fix is successful and that the Test Case can be passed. The extent of the regression testing will be agreed between Test Managers.

7.4 Entry Criteria

7.4.1 IT Link

The entry criteria to commence IT Link Testing are:

- (a) that the IT link has been successfully established between the two Participants; and
- (b) Bilateral Agreements for testing are in place.

7.4.2 Application Layer

The entry criteria to commence Application Layer Testing is:

- (a) meet exit criteria from IT Link Testing; and
- (b) Participants confirm they have completed building and internal testing of their LNP application.

7.5 Exit Criteria

The exit criteria from each phase of testing are:

- (a) All test scenarios must have been executed, results evaluated and approved by each Participant as detailed in the applicable appendices in this document;
- (b) There must be no Severity 1 or Severity 2 Incident Reports outstanding (see Clause 10.10.1);
- (c) Outstanding Severity 3 Incident Reports must be reviewed and evaluated by the Test Co-ordinators;
- (d) The systems meet the requirements in *Local Number Portability IT Specification and Operations Manual* Industry Guideline Parts 1 to 5 (G602:2016);
- (e) The Test Summary Report has been agreed to by each Participant.

8 TEST ENVIRONMENT

Each Participant is responsible for providing a test environment to conduct LNP IT Testing. These test environments should replicate the production environment as closely as possible. Each Participant will test file creation, dates, naming conventions, validation of header/trailer and sequential numbering.

9 TEST ENVIRONMENT

Application Layer Testing will encompass scenarios for Ports and details for testing the processes for each Category are as follows:

- (a) Cat. A Process – see *Local Number Portability IT Test Plan Part 2 - Category A Industry Guideline (G613.2:2016)*
- (b) Cat. C Process – see *Local Number Portability IT Test Plan Part 4 – Category C Industry Guideline (G613.4:2016)*
- (c) Cat. D Process – see *Local Number Portability IT Test Plan Part 5 – Category D Industry Guideline (G613.5:2013)*

Application Layer Testing also encompasses scenarios such as Giveback and Ported Local Number Registers.

10 TEST MANAGEMENT

10.1 Roles and Responsibilities

The Test Co-ordinators will maintain a list of all contact points during LNP IT Testing as per the template at Appendix L of this Plan. Refer to the *Local Number Portability IT Test Strategy* Industry Guideline (G603:2013) for details on the roles and responsibilities.

10.2 Task Management

All Test Cases are to be performed in accordance with the defined Test Execution Schedule.

10.3 Test Preparation

- 10.3.1 Each Participant is responsible for being ready to commence LNP IT Testing on the date agreed to in Bilateral Agreements. This includes being fully prepared to execute each test case. Each Participant is responsible for providing an appropriate environment, test data and supporting resources.
- 10.3.2 Each Participant will ensure the entry criteria have been met. In the event that a Participant is unable to commence LNP IT Testing on the agreed date, the Test Co-ordinator for that Participant must contact the other Participant's Test Co-ordinator to resolve the situation.

10.4 Test Cases

- 10.4.1 Test Cases and expected results are documented in Section 3 of Parts 2, 3, 4 and 5.
- 10.4.2 Not all Response Codes defined in the *Local Number Portability IT Specification and Operations Manual* Industry Guideline Parts 1 to 5 (G602:2016) are to be tested. This is due to manual intervention, system manipulation or internal testing being required. It is expected that all Response Codes will be tested internally by each Participant. Section 5 of Parts 2, 3, 4 and 5 list Response Codes that may be tested between Participants.

10.5 Test Data

Test Data needs to be agreed between Participants. Each Participant will provide the agreed test data to the other Participant.

10.6 Test Data Value Sets

- 10.6.1 In general, each test scenario needs to be executed twice between Participants, once in each role in the scenario.
 - 10.6.1.1 In 2 party Porting Donor as Losing Carrier, for each test scenario, each Participant needs to act as both Gaining and Losing Carrier.

10.6.1.2 In 2 party Porting Donor as Gaining Carrier, for each test scenario, each Participant needs to act as both Gaining and Losing Carrier.

10.6.1.3 In 3 party Porting, for each test scenario, each Participant needs to act as both Donor and Gaining Carrier. The Losing Carrier transactions have already been tested in Donor as Gaining, and the Gaining Carrier will dummy out these transactions for testing purposes. Only the Transfer transactions and PLNR updates will be included in Third Party testing.

10.6.2 For Donor as Gaining and Third Party the test cases assume the test environments are seeded as if the Donor as Losing scenario had already been completed.

10.6.3 For PLNR updates the Donor will update the register and the other Participant will read the register to confirm correct updating.

10.6.4 For TSNA scenarios it is assumed that the expiry occurs 90 days from the receipt of the TSNA.

10.7 Test Execution Schedule

10.7.1 IT Link - refer Appendix E.

10.7.2 Application Layer – refer Appendix E.

10.8 Test Execution

The Test Manager from each Participant is responsible for ensuring that all Test Cases are performed in accordance with the Test Execution Schedule. The process to be followed is outlined below:

Process	Method
Test Data preparation	Internal
Test Cycle execution	Internal
Test results gathering and analysis	Internal
Status reporting	Template and daily conference call (see Appendix B)
Incident Report tracking	Template (see Appendix C)

10.9 Test Results

10.9.1 Results Verification and Documentation

10.9.1.1 The Test Results, either pass or fail, are to be recorded. These results will be consolidated to produce the Test Status Report.

10.9.1.2 The actual results will be compared to the expected results for any differences. If the actual results are different from expected results, then it is the responsibility of the Test Analyst to investigate.

10.9.1.3 Any differences will be raised as an Incident Report and the procedure as per section 10.10.1 of this document will be followed.

10.9.2 Pass/Fail Criteria

10.9.2.1 Test Cases pass when the actual results match the expected results. Test Cases may also pass when any variance between actual results and expected results can be satisfactorily explained.

10.9.2.2 Test Cases fail when unexplained variances occur between the actual results and the expected results.

10.10 Problem Management

10.10.1 Incident Reporting (IR) Process

The following processes will be used for all Incident Reporting and management:

1. Each Participant will record all errors into an Incident Report so that incidents can be tracked. A sample Incident Report is contained at Appendix A.
2. All Incident Reports must be raised within the agreed period of time following the test execution.
3. Incident Reports raised outside the agreed period of time following execution of the test will be reviewed on an exception basis.
4. A unique reference number must be assigned to each Incident Report, e.g. IR-TEL-0001 where it is the first IR that was raised by Telstra or IR-ORA-0005 where it is the fifth IR that was raised by Orange.
5. When a Participant identifies an incident during LNP IT Testing, the Test Manager for that Participant will determine the severity of the incident. For a Severity 1 or 2 incident, the Test Manager for that Participant will immediately advise the other Participant's Test Manager by phone and follow up with an e-mail providing the details of the incident.
6. The severity classification of each incident will be reviewed at the daily conference call or as agreed in Bilateral Agreements.
7. Each Test Manager reports to the Test Co-ordinator on a daily basis on all open and closed Incident Reports in the Test Status Report.

10.10.2 Severity Levels

The following severity levels will apply to incidents during LNP IT Testing:

- Severity 1: Major failure causes testing to stop, pending problem resolution.
- Severity 2: Error with no acceptable circumvention. Limited testing continues.
- Severity 3: Error with acceptable circumvention. Test execution continues.

10.10.3 Incident Resolution Timeframes

Incident turnaround times are critical due to the testing time frame and the nature of the transactions being tested. If a receiving Participant has not received the expected file and associated transactions as per the planned test schedule, then they must contact the sending Participant to initiate resolution. Failure to meet planned test schedules should be raised at the daily conference call or as an Incident Report.

If an incident prevents the transactions being sent, then the fault must be rectified and the transactions sent prior to the next processing period.

The target resolution times are outlined below:

Severity	Response	Target Resolution (elapsed time)
1	1 hour	2 hours
2	1 hour	24 hours
3	1 hour	48 hours

The above timeframes are the target resolution timeframes and every effort should be made to meet these. However, it is recognised that this may not be achievable in all cases.

10.11 Escalation Hierarchy

The escalation path is:

Escalation Path	Action
Test Analyst	<ul style="list-style-type: none">• Identifies need for escalation• Severity 1 & 2 incidents to be reported to their Test Manager.

Escalation Path	Action
Test Manager	<ul style="list-style-type: none"> • Identifies need for escalation • Severity 1 & 2 incidents to be reported to the other Participant's Test Manager and Test Co-ordinator. • All other escalations are raised at the daily conference call.
Test Co-ordinator/s	<ul style="list-style-type: none"> • Escalate any unresolved severity 1 and 2 incidents to the Escalation Contact. • Discuss Severity 1 & 2 incidents that are unresolved within the required timeframes with the other Participant's Test Co-ordinator. • Raises any issues that cannot be resolved or have a critical impact on LNP IT Testing to the Escalation Contact.
Escalation Contact	<ul style="list-style-type: none"> • Liaise with their Test Co-ordinator and other Participant's Escalation Contacts to resolve LNP IT Testing issues.

10.12 Reporting Requirements

10.12.1 Test Meetings

All testing will be performed in accordance with the Test Schedule as outlined in Section 4 of Parts 2, 3, 4 and 5. At the conclusion of each test day the Test Managers for each Participant will attend a conference call to outline the overall testing results for the tests performed.

10.12.2 Test Status Report

At the conclusion of each test day the Test Managers from each Participant will prepare a daily Test Status Report and make this available for the conference call to discuss the test results.

Each Test Co-ordinator will produce a consolidated daily Test Status Report. This report will be distributed to the other Participant's Test Co-ordinator.

10.12.3 Test Summary Report

Each Test Co-ordinator will produce a Weekly Test Summary Report. This report will be distributed to the other Participant's Test Co-ordinator.

Each Test Co-ordinator will also produce a final Test Summary Report at the conclusion of testing and provide it to the other Participant's Test Co-ordinator.

11 ACCEPTANCE

A Participant in LNP IT Testing will be considered to have successfully completed LNP IT Testing when they have met the exit criteria for each phase of testing as detailed in this document or as otherwise agreed in Bilateral Agreements.

12 REFERENCES

Publication	Title
Industry Codes	
C540:2013	Local Number Portability Incorporating Variation No.2/2016
C513:2015	Customer and Network Fault Management
C515:2015	Pre-selection - Single Basket/Multi Service Deliverer
ACIF C566:2005	Rights of Use of Numbers
C569:2015	Unconditioned Local Loop Service - Ordering, Provisioning and Customer Transfer
C628:2015	Telecommunications Consumer Protections
Industry Guidelines	
ACIF G520:2005	Local Number Portability - Network Plan
G602.1:2016	Local Number Portability IT Specifications & Operations Manual Part 1 - General, Giveback and Ported Local Number Processing
G602.2:2016	Local Number Portability IT Specifications & Operations Manual Part 2 - Category A Processing
G602.4:2016	Local Number Portability IT Specifications & Operations Manual Part 5 - Category C Processing
G602.5:2016	Local Number Portability IT Specifications & Operations Manual Part 5 - Category D Processing
G603:2013	Local Number Portability Test Strategy
G613.2:2016	Local Number Portability Test Plan Part 2 - Category A
G613.4:2016	Local Number Portability Test Plan Part 4 - Category C
G613.5:2013	Local Number Portability Test Plan Part 5 - Category D
Legislation	
<i>Privacy Act 1988 (Cth)</i>	
<i>Telecommunications Act 1997 (Cth)</i>	
<i>Telecommunications (Consumer Protection and Services Standards) Act 1999 (Cth)</i>	

Telecommunications Numbering Plan 2015 (Cth)

Competition and Consumer Act 2010 (Cth)

APPENDIX A

A. INCIDENT REPORT TEMPLATE

To		Fax No	
Participant		Email	
From		Phone	
Participant		Email	

ID		Title		Severity	
Reported By		Date/Time	___/___/___ __:___		
Test Case ID		Reproducible	Yes / No / Not Tried		
Description of Incident					
Solution / Retest Comments					
Action Log					
Date	Actions	Resp	Target Date		
Retested By		Date/Time	___/___/___ __:___		
Sign Off		Date/Time	___/___/___ __:___		
Status	OPEN	Date/Time	___/___/___ __:___		
	UNDER INVESTIGATION	Date/Time	___/___/___ __:___		
	FIXING	Date/Time	___/___/___ __:___		
	RETEST	Date/Time	___/___/___ __:___		
	CLOSED	Date/Time	___/___/___ __:___		

APPENDIX B

B. TEST STATUS REPORT TEMPLATE

Test Status Report				
Prepared By		Date		
Participant				
Test Period				
Progress Against Plan				
Date	Planned No. of Tests	Actual No. of Tests Completed	Comment	
Incidents Raised (Sorted by Severity, then IR Number)				
Severity	IR #	IR Title	Status	Comment
Incidents Closed (Sorted by Severity, then IR Number)				
Severity	IR #	IR Title	Status	Comment
Incidents Outstanding (Sorted by Severity, then IR Number)				
Severity	IR #	IR Title	Status	Comment
Issues				
No.	Description			
Action Items (Test Team)				
No.	Description	Actioned By (Date)		

APPENDIX D

D. RESPONSE CODES FOR LNP APPLICATION LAYER TESTING

One per Category (A, C & D)

Not all Response Codes will be tested as part of Application Layer Testing, however the following points should be noted:

- All Response Codes require internal testing.
- Some Response Codes are for internal testing only as they require manual intervention to automated processes.
- If a Participant cannot generate a transaction to elicit the appropriate Response Code, a variation to the execution schedule can be agreed on a case by case basis.

The following table is provided to assist Participants to identify those Response Codes they wish to test.

Response Codes for Cat. A Testing							
Transaction	Response Code	Reject Reason	Probability (0 -10)	Impact (0 -10)	Ranking (1 - 100)	Comment	Test Y/N
	001	Service Number Not Found					
	002	Service Number is on Diversion					
	003	Inactive Service					
	004	Disconnected Service					
	005	Complex Service - e.g. ISDN, Line Hunt etc.					
	006	ULLS Call Diversion does not exist on requested Telephone Number					
	007	ULLS Number/Telephone Number mismatch					

Response Codes for Cat. A Testing							
Transaction	Response Code	Reject Reason	Probability (0 - 10)	Impact (0 - 10)	Ranking (1 - 100)	Comment	Test Y/N
	008	Outstanding Porting request					
	009	Porting Already Completed					
	010	Telephone Number Ported to Another ASD					
	011	ASD Owned Telephone Number					
	012	Not Used					
	013	Not Used					
	014	Not Used					
	015	Incompatible Exchange Technology					
	016	Not Used					
	017	Telephone Number / Service Account Number Mismatch				No longer required	
	018	All mandatory fields are not populated					
	019	Not Used					
	020	Transaction Level Rejections					
	021	Not Used					
	022	Not Used					
	023	Not Used					
	024	Not Used					
	025	Not Used					

Response Codes for Cat. A Testing							
Transaction	Response Code	Reject Reason	Probability (0 - 10)	Impact (0 - 10)	Ranking (1 - 100)	Comment	Test Y/N
	026	Not Used					
	027	Not Used					
	028	Not Used					
	029	Not Used					
	030	Not Used					
	031	Not Used					
	032	Insufficient notification time frame					
	033	Not Used					
	034	Cutover outside Standard Hours of Operation					
	035	No Porting Request is currently outstanding					
	036	Invalid Cutover Timeslot					
	037	Retarget Limit exceeded					
	038	Giveback Invalid					
	039	Out of Area Telephone Number					
	040	Duplicate Telephone Number in Batch					
	041	Multiple Sites					
	042	Not Used					
	043	Not Used					

Response Codes for Cat. A Testing							
Transaction	Response Code	Reject Reason	Probability (0 - 10)	Impact (0 - 10)	Ranking (1 - 100)	Comment	Test Y/N
	044	Not Used					
	045	Not Used					
	046	Not Used					
	047	Not Used					
	048	Not Used					
	049	Not Used					
	050	Not Used					
	051	Telephone Number currently being Ported to another Carrier					
	052	Service is currently connected to the ASD's network					
	053	Cutover Date is within the Lead Time					
	054	Cutover Date is outside Expiry Date					
	055	Invalid Status - CNA Retarget or Withdrawal requested after CCA was Confirmed					
	056	Invalid Withdrawal Request					
	057	Invalid Retarget Request					
	058	Not Used					
	059	Not Used					
	060	Incomplete Number Block or					

Response Codes for Cat. A Testing							
Transaction	Response Code	Reject Reason	Probability (0 -10)	Impact (0 -10)	Ranking (1 - 100)	Comment	Test Y/N
		missing Telephone Numbers in Batch					
	061	Batch Reference Number Missing					
	062	Giveback Date Invalid					
	063	Incorrect Category					
	064	Secondary Reject					
	065	Telephone Numbers are not contiguous for a product					
	066	Not Used					
	067	Invalid CA date					
	068	Not Used					
	069	Donor Reject					
	070	Not Used					
	071	Not Used					
	072	Not Used					
	073	Excluded product					
	074	Not Used					
	075	Not Used					
	076	Not Used					
	077	Batch Number NOT unique					

APPENDIX E

E. TEST SCENARIOS

IT Link

Each Participant will test that they can establish network connections with the other Participant. The test will be performed by each Participant successfully sending and receiving test files between the two Participants.

Application Layer

Application Layer Testing will encompass scenarios such as Ports and Givebacks and details for each Category are provided as follows:

Cat. A Process – see *Local Number Portability IT Test Plan Part 2 - Category A Industry Guideline (G613.2:2016)*

Cat. C Process – see *Local Number Portability IT Test Plan Part 4 – Category C Industry Guideline (G613.4:2016)*

Cat. D Process – see *Local Number Portability IT Test Plan Part 5 – Category D Industry Guideline (G613.5:2013)*

APPENDIX F

F. SAMPLE TEST SUMMARY REPORT CONTENTS

1. Introduction
 - 1.1. Purpose
 - 1.2. Scope
 - 1.3. References
2. Executive summary
3. Reporting test results
 - 3.1. Outside scope of testing
 - 3.2. Test scope
 - 3.3. Test results
4. Issues outstanding
5. Conclusions and recommendations
 - 5.1. Specific conclusion
 - 5.2. Specific recommendation
 - 5.3. General recommendation

PARTICIPANTS

The Working Committee that revised this Guideline consisted of the following organisations and their representatives:

Organisation	Membership	Representative
Foxtel	Voting	Melanie Rainey
NBN Co	Voting	Mark Duke
Optus	Voting	Xanthe Corbett-Jones
Paradigm.One	Voting	Dev Gupta
Telstra	Voting	Craig McAinsh
Telstra	Participating	David Fabbian
VHA	Chair	Alexander R. Osborne
ACMA	Participating	Gerry O'Reilly
ACMA	Participating	Paul White

This Working Committee was chaired by Alexander R. Osborne. Craig Purdon of Communications Alliance provided project management support.

Communications Alliance was formed in 2006 to provide a unified voice for the Australian communications industry and to lead it into the next generation of converging networks, technologies and services.

In pursuing its goals, Communications Alliance offers a forum for the industry to make coherent and constructive contributions to policy development and debate.

Communications Alliance seeks to facilitate open, effective and ethical competition between service providers while ensuring efficient, safe operation of networks, the provision of innovative services and the enhancement of consumer outcomes.

It is committed to the achievement of the policy objective of the Telecommunications Act 1997 - the greatest practicable use of industry self-regulation without imposing undue financial and administrative burdens on industry.



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