COMMUNICATIONS ALLIANCE LTD

INDUSTRY GUIDELINE

MOBILE NUMBER PORTABILITY- IT TEST STRATEGY

G592:2009

G592:2009 Mobile Number Portability - IT Test Strategy

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1 GENERAL

1.1 Introduction

The purpose of this document is to provide the basis of the framework for new Participants to undertake successful MNP IT industry testing. This applies to Mobile Carriers and Network Providers, Portability Service Suppliers in regard to Mobile Number Portability (MNP).

The objective of this document is to specify a standard level of IT testing to be carried out between all current Participants, and new Participants. The document specifies what is expected from each Participant and what will be considered successful MNP IT industry testing.

This document should be read in conjunction with the ***Mobile Number Portability - IT Test Plan*** Industry Guideline (G593:2009). Where there is a discrepancy between the MNP IT Test Strategy and the MNP IT Test Plan, the MNP Test Plan will take precedence.

1.2 Scope

This document will cover the MNP IT Test Strategy for a new Participant to successfully complete MNP IT industry testing with all current Participants.

There are three phases of testing that will be required to be successfully completed in the following order:

(a) PIPN Testing;

(b) Message Layer Testing; and

(c) Application Layer Testing.

All Participants must be involved in the PIPN and Message Layer Testing. Where the new Participant is not a Mobile Carrier, participation in Application Layer Testing is not compulsory for current Network Providers or Portability Service Suppliers. This is due to the fact that Network Providers or Portability Service Providers do not exchange messages at the Application Layer, but do communicate at the PIPN and Message Layer (e.g. Node Ready messages).

1.3 Objectives

The objective of PIPN Testing is to ensure:

(a) the PIPN connectivity of all Participants up to and including the firewall configuration is operational; and

(b) the PIPN is ready to support Message Layer Testing.

The objective of Message Layer Testing is to ensure:

(a) that each Participant is able to establish connection and exchange MNP messages with the new Participant; and

(b) the MNP Messaging Platform is ready for Application Layer Testing.

The objective of Application Layer Testing is to ensure:

(a) messages and transactions are passed correctly between the relevant Participants; and

(b) format and content is correct.

1.4 Guideline Review

Review of the Guideline will be conducted after 12 months from publication and every five years subsequently.

1.5 2009 Revision

In 2009, the Mobile Number Portability Code was revised. At that time all associated Mobile Number Portability documents were republished as Communications Alliance documents to reflect the change of organisational name from ACIF. Where relevant any references to other documents have also been updated.

2 DEFINITIONS AND INTERPRETATIONS

2.1 Definitions

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

*NOTE: If terms are not defined in this document, the definitions as per the **Mobile Number Portability** Industry Code (C570:2009) will apply.*

Actual Results

means results generated as a product of executed tests.

Application Layer Testing

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

Bilateral Agreement

means any agreement between any two parties.

Expected Results

means results that should be produced by the system if operating according to the given specifications.

Incident Report

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

MNP Test Co-ordination Group

means the Communications Alliance sub-committee established to manage all aspects of Industry Application Layer Testing for MNP.

Multilateral Agreements

mean agreements between two or more Participants for MNP test plans in agreement with this overall test strategy.

Participant

means those parties involved in MNP including any Carrier, CSP or PSS that interconnects with the PIPN to either send or receive Porting transactions.

Private IP Network (PIPN)

means a transmission network that interconnects all Participants and provides a common network layer service.

Ported Number Registers

means two downloadable files, one of which is a register of Portable MSNs, the other is a register of allocated MSNs.

Regression Test

means a test to confirm existing functionality in a new release.

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 Execution Schedule and Expected Results.

Test Execution Schedule

means a schedule of testing activities.

Test Strategy

means the method testing given software, the 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.

2.2 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 TEST SCOPE

3.1 PIPN

3.1.1 The scope of PIPN testing includes end to end connectivity (including PIPN, access links and firewalls) of each Participant with the new Participant. This testing is to ensure compliance with ***Mobile Number Portability - IT Specification, Part 3: Common Network*** Industry Guideline (G573.3:2009).

3.2 Message Layer

3.2.1 The scope of Message Layer Testing includes:

3.2.2 Node-to-Node (N2N) connectivity through firewalls via the PIPN; and

3.2.3 Node-to-Node (N2N) interaction to perform with the ***Mobile Number Portability - IT Specification, Part 2: Architecture and Messaging Requirements*** Industry Guideline (G573.2:2009).

3.3 Application Layer

3.3.1 Non-Functional Testing

The testing of the operational aspects of the industry systems is included to ensure that the interfacing and technical aspects of the systems have been adequately addressed. The tests will ensure that the:

(a) security aspects for message transfer are fully supported as specified;

(b) messages can recover to a consistent state and be re-sent after an abnormal interruption of the message transfer; and

(c) message transfer mechanism is in place and provides the required functionality.

3.3.2 Functional Testing

The testing of business functions will have a number of different aspects. These aspects will include:

(a) tests to ensure the message, as written, will completely comply with the requirements of the ***Mobile Number Portability*** Industry Code (C570:2009) and ***Mobile Number Portability - IT Specification, Part 1: Transaction Analysis*** Industry Guideline (G573.1:2009);

(b) tests that will verify the functions can handle exception conditions - that is the relevant validation and verification is in place so all errors are detected and reported via the appropriate reject codes as per ***Mobile Number Portability -***

IT Specification, Part 1: Transaction Analysis Industry Guideline (G573.1:2009); and

(c) verification that data is correctly stored on the message and conforms to the agreed format.

The testing of each function will verify initiation, basic error processing and simple successful execution.

3.4 Out of Scope

The following list describes the IT features that will not be tested as part of MNP IT industry testing.

- Archival of data;
- Access to the PSTN and mobile networks (ie network testing);
- Security testing;
- Recovery testing;
- Stress/volume testing;
- Performance;
- Mobile Carrier to Carriage Service Provider transactions; and
- Maintenance and update of Ported Number Registers

Where appropriate each Participant will test these features internally. They are not included in MNP IT industry testing because the testing of this functionality is the responsibility of each Participant.

3.4.1 Archival of Data

Archival of data will not be included in the MNP IT industry testing. Such testing will be performed by each Participant as appropriate.

3.4.2 Activation of Services

Activation of MNP services is outside the scope of this document.

3.4.3 Security Testing

Security testing will not be included in the MNP IT industry testing with the exception of security required to properly transmit messages between each of the testing Participants. Additional security testing will be performed by each Participant as appropriate.

3.4.4 Recovery Testing

Recovery testing will not be included in the MNP IT industry testing with the exception of recoveries required to properly transmit messages between each of the testing Participants. This message transmission should cover multiple or null messages per

day between the testing Participants. Additional recovery testing will be performed by each Participant as appropriate.

3.4.5 Stress/Volume Testing

Stress Testing will not be included in the MNP IT industry testing. Volume and stress testing will be performed by each Participant as appropriate.

3.4.6 Performance Testing

Performance testing will not be included in the MNP IT industry testing. Due to the need to manually manipulate data, and the absence of actual activation of services, it would not provide a realistic test. Performance testing will be performed by each Participant as appropriate.

3.4.7 Mobile Carrier to Carriage Service Provider Transactions

Transactions between Mobile Carriers and Carriage Service Providers will not be tested as part of this MNP IT industry testing. Such testing will be performed by each Participant as appropriate.

3.4.8 Maintenance and Update of Ported Number Registers

The maintenance and update of the Ported Number Registers maintained by each Mobile Carrier will not be included in the MNP IT industry testing. Such testing will be performed by each Participant as appropriate.

4 TEST STRATEGY

4.1 Test Participants

4.1.1 Before commencing MNP production new Participants must undertake MNP IT industry testing with current Participants.

4.1.2 During MNP IT industry testing a representative from one Participant will be appointed the Test Co-ordinator. The Test Co-ordinator will be responsible for facilitating the regular testing status meetings and co-ordinating the drafting and tabling of the daily Testing Status Reports. The Test Co-ordinator will also produce a Test Summary Report at the conclusion of each phase of testing.

4.2 Testing

4.2.1 Each new Participant must successfully complete each testing phase with all other Participants before proceeding to the next phase. For example, a new Participant must successfully complete PIPN testing with all other Participants before proceeding to Message Layer testing.

4.2.2 To ensure adequate testing is performed it is essential for each test scenario to be executed between each new Participant and existing Participants. Where possible the test execution schedule will have the execution of each test scenario synchronised between all testing Participants.

4.2.3 The approach of having each new Participant perform each test scenario with all other test Participants provides the following benefits:

(a) Ensures connectivity via the PIPN with each Participant and confirms that their host name can be resolved to the correct IP address;

(b) Ensures that all MNP transactions can be successfully passed between all Participants;

(c) Ensures consistent interpretation of ***Mobile Number Portability - IT Specifications*** Industry Guideline Parts 1,2 and 3 (G573.1:2009; G573.2:2009; G573.3:2009) across all test Participants;

(d) Allows one centralised test management and governance group to review all test results; and

(e) Minimises any conflicts of interests if two or more Participants are using the same Application Layer software.

5 DELIVERABLES

The following have been defined as deliverables of the MNP Test Co-ordination Group:

- MNP IT Test Plan
- MNP Test Scenarios
- MNP Test Execution Schedule
- MNP Test Cases and Data
- Daily Test Status Report
- Weekly Test Summary Report
- Test Summary Report (final)

6 ENTRY CRITERIA

6.1 Prerequisite

A prerequisite to the commencement of any MNP IT industry testing is that all Participants have established connection to the PIPN and have Bilateral Agreements (where required) in place with all current MNP Participants.

6.2 Notification of Readiness

All Participants must provide adequate notice of their intent to participate in Communications Alliance MNP IT industry testing. This includes any new Participant testing. Notification of readiness to test should take into consideration the time to complete the tasks outlined in the checklist at Appendix A for new Participants and Appendix B for all other Participants. Specific entry criteria for each testing phase are detailed in the ***Mobile Number Portability IT Test Plan*** Industry Guideline (G593:2009).

Bilateral Agreements and network conditioning arrangements must be in place before testing commences. As Bilateral Agreements and network conditioning can take some time. It is highly recommended that future Participants start commence discussions with existing Participants on Bilateral Agreements and network conditioning as soon as they identify they want to become a participant.

7 EXIT CRITERIA

The following criteria must be satisfied to deem the MNP IT industry testing successfully completed:

(a) All test scenarios must have been executed, results evaluated and approved by the relevant Participant as per the ***Mobile Number Portability IT Test Plan*** Industry Guideline G593:2009).

(b) There must be no Severity 1 or Severity 2 Incident Reports outstanding (see section 13.7).

(c) Outstanding Severity 3 Incident Reports must be reviewed and evaluated by the MNP Test Co-ordination Group.

(d) The systems meet the ***Mobile Number Portability - IT Specification, Part 1: Transaction Analysis*** Industry Guideline (G573.1:2009), and ***Mobile Number Portability - IT Specification, Part 2: Architecture and Messaging Requirements*** Industry Guideline (G573.2:2009), and ***Mobile Number Portability - IT Specification, Part 3 Common Networ***k Industry Guideline (G573.3:2009).

(e) The Test Summary Report has been agreed to by all relevant Participants.

8 MIGRATION TO PRODUCTION

At the conclusion of successful MNP IT industry testing, all Participants will agree a commencement date for the new Participant and, must ensure that their IT systems and processes are capable of moving to production readiness with the new Participant.

This includes:

(a) testing of connectivity to and from all other Participants currently in MNP production;

(b) verification that the Security functionality of the new Participant meets the requirements specified in ***Mobile Number Portability - IT Specification, Part 2: Architecture and Messaging Requirements*** Industry Guideline (G573.2:2009); and

(c) successful exchange of Node Ready messages.

Migration to production should occur outside MNP Standard Hours of Operation. This activity must be completed prior to the date the new Participant is scheduled to go live and will be coordinated by the MNP Test Co-Ordination Group.

9 SCHEDULES

9.1 Test Windows

9.1.1 To enable each existing MNP Participant to allocate testing resources, and to allow sufficient time for new Participants to be ready for MNP IT industry testing, a testing window will be available twice per year (every six months).

9.1.2 If a new Participant wishes to undertake additional testing with another existing carrier outside of this test window, then separate Bilateral Agreements need to be made between the Participants involved.

9.1.3 The ***Mobile Number Portability IT Test Plan*** Industry Guideline (G593:2009) provides exact details of the test schedule for each test phase.

10 TESTING SCENARIOS

The specific testing scenarios for each testing phase are included in the ***Mobile Number Portability- IT Test Plan*** Industry Guideline (G593:2009).

11 ROLES AND RESPONSIBILITIES

11.1 MNP Test Co-ordination Group

11.1.1 The MNP Test Co-ordination Group maintains overall control of the MNP IT industry testing process.

11.1.2 Each participating Participant must have at least one delegate / representative on this group.

11.1.3 During testing a Participant will be appointed the Test Coordinator. This role will include facilitating the regular testing status meeting and co-ordinating the drafting and tabling of the testing summary reports to the MNP Test Co-ordination Group.

11.2 Participants

It is expected that each Participant in the testing process will evaluate their test results against the Expected Results that are documented in the ***Mobile Number Portability IT Test Plan*** Industry Guideline(G593:2009), and initiate corrective action where necessary.

TABLE 1
Roles and Responsibilities

Role	Responsibilities
MNP Test Co-ordination Group	• Co-ordinate testing to the agreed MNP IT Test Strategy • Co-ordinate testing to the agreed Test Plan, including Test Scenarios, Test Cases, Test Data, and Test Execution Schedule • Appointment of the Test Co-ordinator(s), for Mobile Number Portability. • Provide an escalation path to the relevant Communications Alliance committee. • Approve Test Summary Report when test exit criteria are met.
Test Co-ordinator	• Manage the Test Execution Schedule. • Facilitate daily conferences with Test Managers. • Produce a daily Test Status Report and circulate to the MNP Test Co-ordination Group and all Test Managers. • Produce Test Summary Report. • Provide a weekly Status Report to the MNP Test Co-ordination Group. • Escalate any unresolved severity 1 and 2 incidents to the MNP Test Co-ordination Group. • Manage and distribute IR log.

Escalation Contact	• Third contact point during testing. • Provide an escalation path for Incident Reporting. • Ensure resources, in particular design and development, are available to support Incident Reporting to the agreed service levels. • Must be readily available during period of testing.
Test Manager	• Second contact point during testing. • Is responsible for all testing deliverables. • Is responsible for the test team and test deliverables to meet test entry criteria. • Manage test execution. • Participate in daily conference call and report progress to Test Co-ordinator. • Produce a daily Test Status Report and distribute to the Test Co-ordinator • Manage the Incident Reporting process. • Report to the Test Co-ordinator.
Test Analyst	• First contact point during testing. • Is responsible for preparing Test Data. • Is responsible for test execution. • Report to the Test Manager.

12 TEST MANAGEMENT AND ADMINISTRATION

The following section outlines the processes for MNP IT industry testing.

12.1 Task Management

12.1.1 All testing will be performed in predetermined time periods as per the Test Execution Schedule. At the conclusion of each day of testing, the Test Managers of each Participant will attend a conference call to outline the overall testing results for the tests performed.

12.1.2 The MNP IT industry testing deliverables will be defined in the G593:2009 Mobile Number Portability IT Test Plan Industry Guideline, Test Cases and Data and Test Execution Schedule documents. These documents will be used to define the actual test cases to be executed, the timing of the tests, and the expected results.

12.1.3 All Mobile Carriers, Network Providers and their agents will prepare a daily Test Status Report. The Test Co-ordinator will provide a consolidated daily Test Status Report and distribute to the MNP Test Co-ordination Group and all Test Managers.

12.2 Communication Plan

12.2.1 The MNP Test Co-ordination Group is to review the ***Mobile Number Portability - IT Test Plan*** Industry Guideline (G593:2009) and sign-off the agreed deliverables, and any changes to these deliverables, as they are documented.

12.2.2 The contact points for each Participant will be included in the MNP Test Plan. The Test Manager for each Participant will be responsible for providing the relevant contact details to their testing staff.

12.3 Status Reporting

12.3.1 Each of the Participants will produce a daily Test Status Report. The template for this report is in the ***Mobile Number Portability - IT Test Plan*** Industry Guideline (G593:2009). The Test Co-ordinator will produce a daily consolidated Test Status Report for distribution to all Test Managers.

12.3.2 The Test Co-ordinator will also produce a Weekly Test Summary Report for distribution to the MNP Test Co-ordination Group. Any Severity 1 and 2 incidents that are not resolved within the required timeframes will also be reported to the MNP Test Co-ordination Group.

12.3.3 At the conclusion of each testing day the Test Managers will attend a conference call to discuss the test results.

12.3.4 The Test Co-ordinator will also produce a Test Summary Report at the conclusion of each phase of testing.

12.4 Reporting Actual Results

12.4.1 The test results from each Test Case execution, both pass and fail, are to be recorded by each Participant.

12.4.2 The actual results will be compared to the expected results to identify any differences. If the actual results are different from expected results then the test analysts must investigate the cause(s). Any differences that are not explained by human error - eg typing errors, incorrect interpretation of data or similar - must be raised as incidents and the procedure as per Section 12.6 followed.

12.4.3 In the case of incorrect interpretation of the ***Mobile Number Portability IT Specifications*** Industry Guideline (G573:2009), the Test Co-ordinator will need to confirm and get agreement from the MNP Test Co-ordination Group then update the relevant documentation.

12.4.4 These results will be included in the daily Test Status Report. These results will be consolidated to produce the consolidated daily Test Status Report that is to be distributed to the MNP Test Co-ordination Group.

12.4.5 The Test Co-ordinator will also produce a MNP Test Summary Report at the conclusion of each phase of testing.

12.5 Escalation Procedures

12.5.1 Each Participant must nominate an escalation contact who will be advised of any major incidents identified in testing and any jeopardy to the schedule. The escalation contacts will co-ordinate with each other to discuss resolution. Escalation procedures are included in ***Mobile Number Portability - IT Test Plan*** Industry Guideline (G593:2009).

12.5.2 The Test Co-ordinator must be advised of any escalations being raised.

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

12.6 Incident Reporting Management Procedures

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

(a) Each Participant will record all errors into an Incident Report so that incidents can be tracked. A sample Incident Report is contained in the test plan.

(b) All Incident Reports must be raised within the agreed period of time following the test execution.

(c) Incident Reports raised outside the agreed period of time following execution of the test will be reviewed on an exception basis.

(d) A unique reference number must be assigned to each Incident Report. (e.g IR-TEL-0001, IR-ORA-0001). The range for each Incident Report is outlined in the ***Mobile Number Portability - IT Test Plan*** Industry Guideline (G593:2009).

(e) When a Participant identifies an incident during MNP IT industry testing, the Test Manager for that Participant will determine the severity of the incident. The Test Manager for that Participant will advise by phone, and follow up with e-mail, all associated information to the other Test Managers and for Severity 1 and 2 incidents.

(f) Severity classifications will be reviewed at the daily conference call.

(g) 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.

(h) The Test Co-ordinator will ensure all IRs are logged centrally and this log is distributed to all Participants.

(i) The originating Participant of the IR is responsible for the timely closure of the IR.

(j) Once a Participant has corrected the incident, the Test Manager for that Participant will phone, and follow up with e-mail, all associated information to the other Test Managers, the Test Co-ordinator and (if previously escalated) to the MNP Test Co-ordination Group, for Severity 1 and 2 incidents. Severity 3 incidents will be reported during the daily conference call.

12.6.2 Internal distribution of information relating to Incident Forms to relevant people within each Participant's organisation will be the responsibility of the Test Manager of each Participant.

12.6.3 The Communication Plan described in Section 13.2 in conjunction with the procedures above, will be the forum for the Test Managers to reconcile all Incident Reports, report on the status of all open incidents, any new incidents and any system software changes.

12.6.4 The following severity levels will apply to incidents during industry MNP Testing:

Severity 1: Major failure or system abend 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.

12.7 Definition of Severity Levels

12.7.1 Severity 1

The application, or an essential part of it, is unavailable and is seriously impacting MNP. No feasible bypass is available for the problem. Feasible bypass means a sensible or reasonable alternative in terms of cost, resources, existing policies, etc.

Listed below are examples of Severity 1:

- Testing cannot continue.
- Essential function not working at all, no feasible bypass.
- Program abend or stops
- Application unworkable
- Serious logic problem
- DB corruption
- Incorrect layout or format

12.7.2 Severity 2

The application, or an essential part of it, is not working or is working with reduced functionality however it is not seriously impacting MNP because there is a feasible bypass.

Listed below are examples of Severity 2:

- Essential function severely restricted
- Essential function not working, feasible bypass available
- Restricted performance, logic problem

12.7.3 Severity 3

A non-essential function is not working or is working in a very restricted manner. Effect on MNP is minimal.

Listed below are examples of Severity 3:

- Incorrect reject code
- Standard date/time headings omitted
- Incorrect naming conventions

12.8 Incident Report Resolution Timeframes

Incident Report resolution timeframes are critical due to the time frame and the nature of the messages being tested. Detailed turn around times are included in the MNP Test Plan.

12.9 Change Management

12.9.1 It is the responsibility of each Participant's development team to have a current change control mechanism in place and this section will only focus on changes which affect the other Participant's information processing. This control mechanism will only be in effect during MNP IT industry testing after which alternative long-term communication channels between each Participant will be utilised. Since there is a limited time allocated for MNP IT industry testing, the proposed change control process must be flexible enough for all Participants to carry out their tasks within this time frame.

12.9.2 New Participants may also be required to make changes as a direct result of the tests performed. In these instances each development team will be responsible for notifying their respective Test Manager immediately a requirement for change has been identified that affects the other Participants information systems. That Test Manager will then notify all other Test Managers of the nature and impact of the change and monitor modification and subsequent testing efforts.

12.10 Re-run of Test Cycles

12.10.1 In case of any defect found, alterations of industry test execution schedule may be required to allow for program modifications. The Test Co-ordinator has the responsibility for the maintenance of the test execution schedule and to advise the MNP Test Co-ordination Group of any changes. However, a re-run of any Industry tests that are deemed not to be successful should be performed for each new version to detect any unexpected impact from the modified program.

12.10.2 The strategy for the re-running of a Test Cycle may vary depending on the severity of the error detected, and will be agreed between Test Managers. The affected tests may be re-run to assess the differences between the new and old versions, or, a specific test may be re-run to test the error condition.

12.10.3 With the agreement of Test Managers, any Test Cycle may be re-run if there is sufficient reason to believe the cycle may have been effected by modifications made to address defects in another Test Cycle.

12.11 Test Environments

12.11.1 Each Participant is responsible for developing and maintaining their own test environment

12.11.2 The test environment should replicate the production environment within the Participant's organisation as closely as possible.

12.11.3 Each Participant must ensure their Industry IT test environments are compliant.

12.11.4 The data transfer mechanisms to be used for production should also be used for testing. Each Participant will internally test message creation, dates, naming conventions, validation of header/trailer and sequential numbering.

12.12 Resourcing

It is the responsibility of each Participant to ensure that sufficient resources are made available to support all the tasks and roles identified for successful MNP IT industry testing.

13 REFERENCES

Publication	Title
Industry Codes	
C570:2009	Mobile Number Portability
Industry Guidelines	
G573.1:2009	Mobile Number Portability - IT Specification Part 1: Transaction Analysis
G573.2:2009	Mobile Number Portability - IT Specification Part 2: Architecture and Messaging Requirements
G573.3:2009	Mobile Number Portability - IT Specification Part 3: Common Network
G593:2009	Mobile Number Portability - IT Test Plan
Industry Documents	
Telecommunications Act 1997	

APPENDIX

A New MNP Entrant Checklist

1. Bi-annual test windows are held in February and October.

2. Timeframes are calculated from the commencement of testing.

3. This table is a guideline to offer assistance to new Participants.

TABLE 2

New Entrant Checklist

Task No	Task	Timeframe	Completed
1	Notify Communications Alliance of intention to participate in MNP	3 months	
2	Bilateral Agreements • Confirm requirement with each Participant • In place with each Participant (where required) before testing commences	3 months 1 month	
3	Network conditioning	2 months	
4	Network Testing • To be completed as required • Not part of MNP IT industry testing	6 – 10 weeks	
5	PIPN • Order placed • Delivery confirmed (successful ping test)	9 weeks 2 weeks	
6	IT build completed and internally tested	4 weeks	
7	Digital Certificates • Obtained and loaded into system • Exchanged Common Name details • Loaded Common Name details	4 weeks 3 weeks 2 weeks	
8	Test homepage loaded on MNPNode	3 weeks	
9	Participation in Communications Alliance MNP IT Testing meetings	As required	
10	Obtain relevant MNP documentation	As required	

B Test Readiness Checklist

The following checklist is a guideline to the tasks that should be completed by all Participants prior to the commencement of MNP IT industry testing.

TABLE 3

Test Readiness Checklist

Item	Activity	Responsibility
1	Issue URL table	PIPN provider
2	Exchange test data	All
3	Distribute contacts list	Test Co-ordinator
4	Issue final test execution schedule	Test Co-ordinator
5	Exchange Common Name of digital certificates (Test)	All
6	Establish daily meeting schedules	Test Co-ordinator

PARTICIPANTS

The Working Committee responsible for the revisions made to this Guideline consisted of the following organisations and their representatives:

Organisation	Representative
ACCC	Grant Young
Optus	Gary Smith
Paradigm.One	Dev Gupta
Pivotel	Robert Sakker
Telstra	Mark Podzuweit
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This Working Committee was chaired by Alexander R. Osborne. Visu Thangavelu 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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