ITU Test Report - Public

Year 2000 Inter-Carrier Service Continuity Testing

General Information

Date of this report:	1999-11-01		
Issue of this report:	Issue 1.0		
Report document name/number:	Angola Telecomms/TelkomSouth_Africa-99/02		
Report prepared by:	J.Gouws		
Participating carriers:	Angola Telecomm and Telkom South Africa		
ICTWG Region(s):	Sub-Saharan Africa		
Date testing conducted	1999-10-31		

Executive Summary

 describe the tests, scenarios, results, observations & recommendations>

Test platforms for MFNO5 signaling were established using a 2Mbit/s live bearer between the two network nodes i.e. Angola Telecomm (Luanda) and Telkom South Africa (Pretoria).

Normal PSTN TELEPHONES were used as test media.

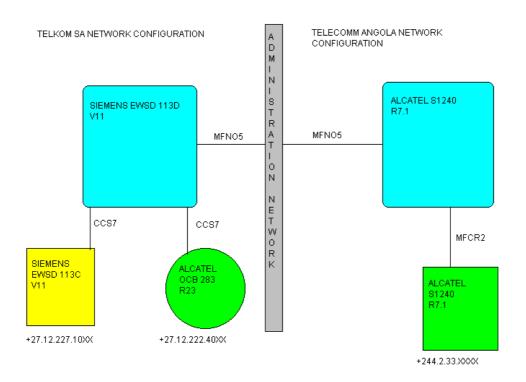
Please refer to topography diagram for test layout.

Telkom South Africa advanced its network nodes to 1999-12-31 at 23H50 and Angola Telecomm advanced its network nodes to 1999-12-31 at 22H50.

Calls were established from Telkom South Africa to Angola Telecomm and Ivice versa and lasted throughout century shift.

The relevant CDRs created were also correct.

Network systems involved					
Carrier	Vendor	Type	S/W Version	Comments	
Telkom SA	Siemens	113D	V11	International Gateway Exchange	
Telkom SA	Siemens	113C	V11	Local Exchange	
Telkom SA	Alcatel	OCB283	R23	Local Exchange	
Angola	Alcatel	S1240	R7.1	International Gateway Exchange	
Angola	Alcatel	S1240	R7.1	Local Exchange	



Test Configuration Information

<include a topography diagram showing configuration of international gateway, trunk & local switches, information on monitoring equipment used & other features at and between each carrier>

Both network nodes act as a monitoring device concerning messages between the two switches. Only normal PSTN telephones were used between the two networks.

Test Schedule/Timetable

<extract from test plan showing time differences between test centers & agreed test start times>

Tests were carried out on the 31st October 1999 at 21H00 GMT South African time and 20H00 GMT Angolan time.

Test Communications Media

<describe the media (e.g. phone, video conference, etc ... used to co-ordinate testing between the carriers and whether the testing was video taped>

On each network node two analogue telephones were created and used to conduct the media tests. Calls were established from and to Angola and Telkom SA before transition and lasted until after transition.

Test Case Scenarios

<a summary or extract of/from the test plan covering the key dates tested and what services were involved>

Scenario 1.1

Century shift, TSA

Normal test calls

Telkom SA advanced its exchange time to 1999-12-31 at 22H50 and Angola Telecomm advanced its exchange time 1999-12-31at 22H50.

TSA

Establish a call from +27.12.222.4067 (PSTN) to Telecomm Angola +244.2.33.9519 (PSTN) Establish a call from +27.12.227.1034 (PSTN) to Telecomm Angola +244.2.33.9523 (PSTN)

ANGOLA

Establish a call from +244.2.33.1762 (PSTN) to Telkom South Africa +27.12.227.1035 (PSTN) Establish a call from +244.2.33.9930 (PSTN) to Telkom South Africa +27.12.222.4068 (PSTN)

Scenario 1.2

Century shift, ANGOLA

Normal test calls

Telkom SA advanced its exchange time to 1999-12-31 at 22H50 and Angola Telecomm advanced its exchange time 1999-12-31at 22H50.

TSA

Establish a call from +27.12.222.4067 (PSTN) to Telecomm Angola +244.2.33.9519 (PSTN) Establish a call from +27.12.227.1034 (PSTN) to Telecomm Angola +244.2.33.9523 (PSTN)

ANGOLA

Establish a call from +244.2.33.1762 (PSTN) to Telkom South Africa +27.12.227.1035 (PSTN) Establish a call from +244.2.33.9930 (PSTN) to Telkom South Africa +27.12.222.4068 (PSTN)

Test Results <summary or extract from the test results sheet>

Scenario 1.1

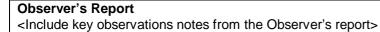
Calls were established from Telkom SA to Angola Telecomm and were held up until TSA century shifted 2-3 minutes into the next millennium 2000-01-01

CDR records proved to be correct.

Scenario 1.2

Calls were established from Angola Telecomm to Telkom SA and were held up until Angola century shifted 2-3 minutes into the next millennium 2000-01-01 CDR records proved to be correct.

IN ALL INSTANCES, THE CALLS LASTED DURING TIME SHIFTS.



No observers were present.

Recommendations

dist of recommendations agreed to by the participating carriers including any relevant post testing review information>

Type signaling :MFN05 Operation mode :BW

Live 2Mbit/s bearer between two International Gateway Exchanges were patched from TSA live platform to the test platform.