	Approved:	No: 1/TP-CRH109127 Uen	
Copyright Mobeon AB All rights reserved	Author: Ulrik Frödin Title: Test Procedure-NTF	Version: PA2 Date: 2007-05-10	1/5

Test procedure - NTF

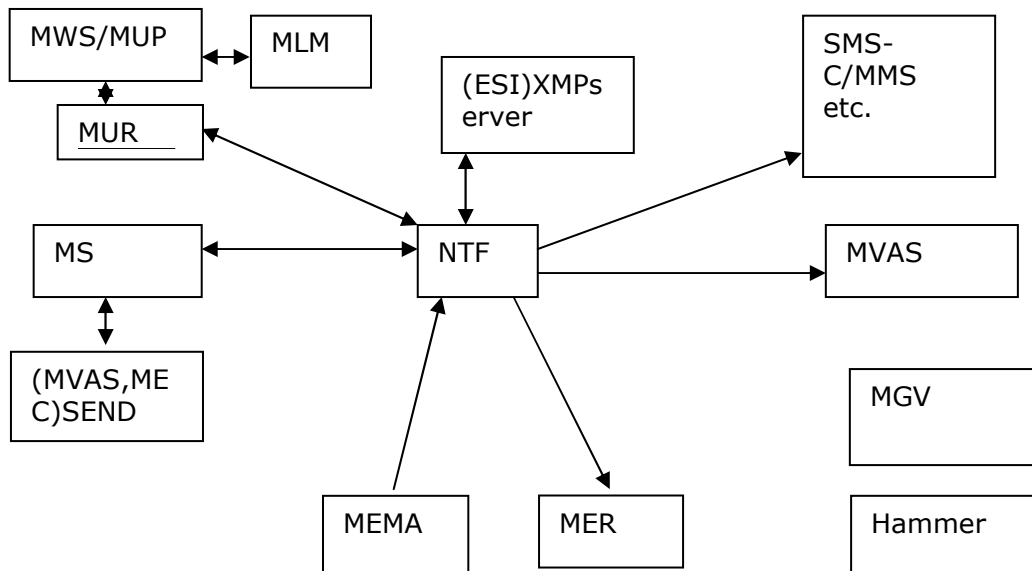# Content

History

Version	Date	Adjustments
PA1	2007-04-17	First revision. Made for NTF FE23 tests. ermulri
PA2	2007-05-10	Added tool usage information. ermulri

1   Introduction

This document describes how to set up CT test environment for NTF component test.

2   Deployment

1. Test bed for NTF.

Three hosts to install the components is suitable.

MGV, Hammer and MVAS is needed if outdial notification or fax test should be run.

Locate test tools SEND, XMPserver and SMS-C on one stand alone host for future test automatisation.

3   Test object Configuration

3.1   Standard Credentials

See ref [2]TP Hurr labs with the following additions.

SEND config

XMPserver config

3.2   Basic Population

See ref [2]TP Hurr labs

3.3   Deviating Configuration

NTF run log level debug.

MVAS configure and register outdial notification in MCR.

3.4   Checkpoints

Configure and add the needed services simulators in test lab mcr with addservicein MCR tool.

Configure and Start the xmp tool

Configure and Start the smsc tool

3.5   Tips & Tricks

3.5.1   SEND tool

The mail send tool is used to generate trafic for NTF to trigger on.

See ref [1]NTF BTS
1/BTS-CRH109127 for usage.

Available at vobs/ipms/ntf/test/basictest

Send –h for help

Setenv TEST_DOMAIN and TEST_MAILHOST

-n number of messages

-r wait time between sending messages.

-t type

User subscriber number. (- 8)send to range start with user.

3.5.2   Mobeon SMSC Simulator

The Mobeon SMSC simulator is an official tool.

3.5.3   XMPserver

An XMP answer simulator to emulate for instance ESI or other services.

Go to /vobs/ipms/ntf/test/basictest

Check ports available and other configuration in xmpserver/cfg/multi.cfg

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Run tool

/vobs/ipms/ntf/test/basictest% ./startXmpServer
/vobs/ipms/ntf/test/basictest/xmpserver/cfg/multi.cfg

telnet localhost portnumber (def 2555)

This gives a prompt to answer XMP requests as specified in Extensible Messaging Protocol 2/155 19-1/HDB10102

example 200 for success.

Ctrl C to quit.

In the rsp directory an answerfile can be saved instead of using telnet interface.

File name _all for answer on all requests.

Or _(number) for filter function.

Example

more externalsubscriberinformation_all.resp

code=200

msisdn=123

terminal-has-mwi=true

terminal-has-flash=false

terminal-has-replace=true

3.5.4   Add service to MCR

To be able to run tests the services needs to be setup in mcr to point to real service or simulator. Use this scipt addservicetomcr for adding simulators.

In NTF vob test/basictest a script addservicetomcr exist.

More script to see switches

-m mcrhost

-s service name and port number(to simulator default 2555).

The service name is what MVAS, ESI registers different services with in MCR.

Services as specified in IWD Extensible Messaging Protocol 2/155 19-1/HDB10102

 OutdialNotification, MWINotification, PagerNotification, TextToSpeech, CallMWINotification, ExternalSubscriberInformation, MediaConversion, Accounting

3.5.5 Notification count

To be able to see count variable. Some config is needed.

Notification Filter used needs to include count.

3.5.6 Outdial notification

Read setup in O&M.

Needs hammer or real phone to answer on the outdial notification.

One often missed parameter is sendtype for SMSC that needs to be transceiver for outdial to SMS to work.

4 References

[1] NTF BTS
1/BTS-CRH109127

[2] TP Hurr labs
2/1524-1/HDB10102

5 Terminology

Term   Explanation

6 Appendix