

Fujitsu Services

Operation Launch

Ref: NB/UTR/001

Version: 2.0

Date: 12/01/2005

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Abstract: This is the Unit Test Report for Operation Launch

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Fujitsu Services

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- **Document Control**

- **Document History**

Version No.	Date	Reason for Issue	Associated CP/PinICL
0.1	15/02/2002	The first issue produced after running all the tests.	
1.0	22/03/2002	The approved version.	
1.1	21/06/2004	Ran latest versions of Unit Test Plan	CP/3612 CP/3729
2.0	12/01/2005	Correct version number of approved Test Plan	

- **Approval Authorities**

Name	Position	Signature	Date
Walter Wright	APDU EPOSS Development Team Leader		

(Substitute correct Development Team Leader where appropriate)

- **Associated Documents**

Reference	Version	Date	Title	Source
PA/TEM/001			ICL Pathway Document Template	PVCS
NB/LLD/001	3.2	16/06/04	Operation Launch Low Level Design	PVCS
NB/UTP/001	2.2	18/06/04	Operation Launch Unit Test Plan	PVCS

Unless a specific version is referred to above, reference should be made to the current approved versions of the documents.

- **Abbreviations/Definitions**

Abbreviation	Definition
Operation Launch	The component described in “Operation Launch Low Level Design“
Root VSS	The root of the VSS directory used in these tests – Baselines/BI3/NB.
UTP	Unit Test Plan – For this document this will refer exclusively to the plan in the associated document “Operation Launch Unit Test Plan”.
UTR	Unit Test Report
VSS	Visual Source Safe

- **Changes in this Version**

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Version	Changes
1.0	This version was approved. No changes were made from 0.1.
2.0	Update/correct Header & footer

- **Changes Expected**

Changes
None at present.

• Table of Contents

0.0 DOCUMENT CONTROL.....	2
0.1 DOCUMENT HISTORY.....	2
0.2 APPROVAL AUTHORITIES.....	2
0.3 ASSOCIATED DOCUMENTS.....	2
0.4 ABBREVIATIONS/DEFINITIONS.....	2
0.5 CHANGES IN THIS VERSION.....	3
0.6 CHANGES EXPECTED.....	3
0.7 TABLE OF CONTENTS.....	4
1.0 INTRODUCTION.....	5
2.0 PRE-REQUISITES.....	5
3.0 TEST HARNESS, TOOLS AND DATA.....	5
4.0 TEST ENTRY CRITERIA.....	5
5.0 DETAILS.....	5
5.1 PREPARATION.....	5
5.2 FUNCTIONALITY TESTS.....	5
5.3 NON-FUNCTIONAL TESTS.....	6
5.3.1 Performance.....	6
5.3.2 Resilience.....	6
5.3.3 Security.....	6
5.3.4 Time-Related Issues.....	6
6.0 TEST COVERAGE.....	7
7.0 TEST EXIT.....	7
7.1 SUMMARY OF PROBLEMS FOUND.....	7

• Introduction

This document describes the unit testing done on “Operation Launch” following the instructions given in the UTP.

• Pre-Requisites

The prerequisites are all listed in section 2.0 “Pre-Requisites” of the UTP.

• Test Harness, Tools and Data

The test harness, tools and data are all described in section 3.0 “Test Harness, Tools and Data” of the UTP.

• Test Entry Criteria

• Code inspection and consequent code updates complete	√
• Unit Test Plan reviewed and approved	√
• All necessary test harnesses, test tools and test data available	√
• Test environment ready	√

• Details

• Preparation

The preparation is all described in section 5.1 “Preparation” of the UTP.

With regards to step 1 listed there the build was actually a BI2 build (WR2.1.0) of which the last work package installed was 13334.

With regards to the other steps all Operation Launch components used which are in VSS are labelled “NB/LLD/001 V 0.2 Test Complete” – this includes two binaries the source of which were not yet in VSS – NBSwitcher.exe and NBComLib.dll. The other components used are listed in the table below

Directory relative to “Root VSS”	File	Version
NBSharedFiles	modNBAttributeGrammarConstants.bas	2
NBSharedFiles	modNBGenericConstants.bas	1
NBSharedFiles	modNBMessages.bas	2
NBCommon	NBCommon.dll	4
NBCommon	NBHelpers.dll	4

• Functionality Tests

All the tests listed in section 5.2 “Functionality Test” of the UTP were run.

• All tests completed as expected	√
• Event log entries checked	√
• Minor bug fixes made ¹	√
• Test coverage completed	√

- **Non-Functional Tests**

- **Performance**

Pool paged bytes for both Desktop and Riposte were monitored with Performance Monitor for 7212 cycles of the soak test (see section 5.3.1 “Performance” in the UTP for details of this) which meant over 14000 operations were launched. No memory leakage was detected in the Desktop at all – for Riposte the figures are given in the table below

Pool Paged Bytes

When	Min	Max
Start	22432.000	22464.000
Finish	22560.000	22592.000

This is much more likely to be a problem with Riposte than with Operation Launch since Operation Launch shares its memory with the Desktop.

- **Resilience**

The test described in section 5.3.2 “Resilience” of the UTP

- **Security**

NA

Time-Related Issues

NA

¹ In this cases there were no minor bugs to fix.

- **Test Coverage**

As UTP.

- **Test exit**

• All tests specified in the UTP have been run, or a justification provided in this document for those, if any, which have not been run	√
• No major incidents (A or B priority) outstanding	√
• Incidents raised Unit Testing have been recorded (in a local spreadsheet) and summarised in the UTR <i>[if necessary]</i> .	√
• All minor incidents (C priority or lower) outstanding at the end of the Unit Test have been formally raised as PinICLs	√
• UTP updated and re-issued <i>[if necessary]</i>	√

- **Summary Of Problems Found**

The only possible problem found was that Riposte may have a memory leak. It is considered beyond the scope of this module test to progress this further.