

**Middle East Technical University
Computer Engineering Department**

CENG 492

Test Specifications Report

ComFuture

1250851 Orhan Tuncer
1348028 Ugur Turan
1347947 Guven Orkun Tanik
1298231 Sebnem Sonmezler
1250562 Hakan Okten

CONTENTS

1. INTRODUCTION

- 1.1 Goals and Objectives**
- 1.2 Document Scope**
- 1.3. Testing Plan Scope**
- 1.4. Constraints for Testing**

2. TESTING STRATEGY AND PROCEDURES

- 2.1 Testing Procedure**
- 2.2 Test Items**
- 2.1 Testing Procedure**

3. TEST SCHEDULE

1. INTRODUCTION

Testing is one of the main requirements in the current phase of our project. Since we have developed the first releases of PIC and PC (JAVA) side of our libraries, now we need to make tests to maintain the stability of our implementations.

1.1 Goals and Objectives

Our main objective is to maintain the functional testing of our implementations to see if they are doing what they are supposed to do. After that we will try to figure out how to improve our existing implementations and our designs.

1.2 Document Scope

This document contains the method of the testing process and a schedule for the planned tests.

1.3. Testing Plan Scope

The following tests will be performed:

- Functional Testing for the PIC Library.
- Functional Testing for the PC (JAVA) Library.
- Performance Testing of the PIC Library.
- Performance Testing of the PC (JAVA) Library.

1.4. Constraints for Testing

Since there is a time limitation for the testing and much to be developed the tests will be performed by two group members working at the same time. So each problem will be documented correctly.

2. TESTING STRATEGY AND PROCEDURES

The procedures that are going to be followed during the testing are explained below.

2.1 Testing Procedure

We will test the each functionality of the libraries one by one and make the documentation for them. To make the testing properly we will write little applications that uses the libraries in the correct way and also in incorrect way. So we can point out the weaknesses of our implementations.

The performance tests will be done in a similar way. Some little applications will be developed to simulate a heavy usage of each functionality of both libraries. With this approach we will find out the most resource consuming functionalities and we will improve our designs to overcome possible performance problems.

2.2 Test Items

- Connection
- Disconnection
- Authorization
- Setting Pins
- Clearing Pins
- Reading Pins
- Notifications

3. TEST SCHEDULE

Task	End Date
Connection	8.05.2006
Disconnection	9.05.2006
Authorization	10.05.2006
Setting Pins	11.05.2006
Clearing Pins	11.05.2006
Reading Pins	11.05.2006
Notifications	12.05.2006
Corrections	13.05.2006 ++