**Test Plan Document**

**for**

**Producers-Consumers Economic Relationships Model**

**Version 1.0**

**Prepared by Mateusz Golab**

**Cranfield University**

**School of Engineering**

**AMAC**

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**Revision History**

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# Introduction

This document is the Test Plan for the Producers-Consumers Economic Relationships Model. The aim of this document is to describe testing strategy and approach used to verify produced software. Following software quality attributes are taken into account in verification process

* Availability
* Correctness
* Reliability
* Robustness
* Testability
* Usability

## Objectives

The purpose of this document is to :

* Define the activities required to prepare and perform unit, integration and acceptance testing.
* Describe and follow employed testing strategy.
* Define testing tools used
* Define deliverables

## References

[1] Advanced Software Engineering Lecture Notes, Academic Year 2010/2011 , Dr. Stuart Barnes

[2] IEEE Standard for Software Test Documentation (Std 829-2008)

[3] IEEE Standard for Software Verification and Validation (Std 1012-2004)

## Glossary

Available in *Software Requirements Specification for Producers – Consumers Economic Relationships Model* document .

# Tools

# 3. Test items

## 3.1. Program modules

## 3.2. Features to be tested

Simulation results/ quality

## 3.3. Features not to be tested

# Testing strategy

## 5.1. Unit Testing

## 5.2. Integration Testing

## 5.3. Conversion Testing

## 5.4. Job Stream Testing

## 5.5. Interface Testing

## 5.6. Security Testing

## 5.7. Recovery Testing

## 5.8. Performance Testing

## 5.9. Regression Testing

## 5.10. Acceptance Testing

# Pass / Fail Criteria

## 6.1. Suspension Criteria

## 6.2. Resumption Criteria

## 6.3. Approval Criteria

# Testing Process

## 7.1. Test Deliverables

## 7.2. Testing Tasks

## 7.3. Responsibilities

## 7.4. Resources

## 7.5. Schedule

## Environmental requirements

## 8.1. Hardware

## 8.2. Software

## 8.3. Security

## 8.4. Tasks

## 8.5. Publications

## 8.6. Risks and Assumptions

# Plan Approvals