# Ampersand
# Event-Condition-Action Rules

Test Plan

Yuriy Toporovskyy, Yash Sapra, Jaeden Guo

Table 1: Revision History

| Author | Date | Comment |
|---|---|---|
| Yuriy Toporovskyy | 27 / 10 / 2015 | Initial version - template |

# Contents

# List of Figures

# List of Tables

# Chapter 1

# General Information

## 1.1   Purpose

This document outlines the test plan for ECA for Ampersand, including our general approach to testing, system test cases, and a specification of methodology and constraints. This test plan specifically targets our contribution to Ampersand, namely ECA – elements of Ampersand, such as design artifact generation, will not be tested.

## 1.2   Objectives

**Preparation for testing**

The primary objective of this test plan is to collect all relevant information in preperation of the actual testing process, in order to facilitate this process.

**Communication**

This test plan intends to clearly communicate to all developers of ECA for Ampersand their intended role in the testing process.

**Motivation**

The testing approach is motivated by constraints and requirements outlined in the Software Requirements Specification. This document seeks to clearly demonstrate this motivation.

**Environment**

This test plans outlines the resources, tools, and software required for the testing process. This includes any resources needed to perform automated testing.

**Scope**

This test plan intends to better describe the scope of our contribution, ECA, within Ampersand.

# 1.3   Acronyms, Abbreviations, and Symbols

**SRS** Software Requirements Specification. Document regarding requirements, constraints, and project objectives.

**ECA Rule** Event-Condition-Action Rule. A rule which describes how to handle a constraint violation in a database. See SRS for details.

# Chapter 2

# Plan

## 2.1 Software Description

## 2.2 Test Team

## 2.3 Milestones

### 2.3.1 Location

### 2.3.2 Dates and Deadlines

## 2.4 Budget

# Chapter 3

# Software Specification

## 3.1   Specification

### 3.1.1   Functional requirements

### 3.1.2   Test – requirement relationships

### 3.1.3   Test progression

## 3.2   Methods and constraints

### 3.2.1   Methodology

### 3.2.2   Test tools

### 3.2.3   Extent

### 3.2.4   Data recording

### 3.2.5   Constraints

## 3.3   Evaluation

# Chapter 4

# System Test Descriptions