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**ODBC2KML**

**Acceptance Test Plan**

**Version 1.0 – 27 Oct. 2009.**

**Revision History**

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| **Date** | **Version** | **Description** | **Author** |
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# 1. Introduction

## 1.1 Purpose

The purpose of this document is to develop a testing schema to ensure the validity of the operational system. The intended audience is the client at ERDC-ITL, development, and testing teams at PolyTech.

## 1.2 Scope

This document is intended to describe the testing plan for the ODBC2KML project.

## 1.3 Definitions, Acronyms, and Abbreviations

AJAX – Asynchronous JavaScript and XHTML

ASP – Active Server Pages

ATP – Acceptance Test Plan, this document

ATR – Acceptance Test Report

GUI – Graphic User Interface

KML – Keyhole Meta Language

ODBC – Open Database Connectivity

SRS – Software Requirement Specification

## 1.4 References

[1]. IEEE Computer Society. IEEE 829-1998. Institute of Electrical and Electronics Engineers, Inc, New York, NY. 1998.

[2]. ERDC-ITL. ERDC Request for Proposal. August 2009.

[3]. PolyTech Industries. PolyTech Proposal V. 1.0. September 2009.

[4]. PolyTech Industries. PolyTech Project Plan V. 1.0. September 2009.

[5]. PolyTech Industries. PolyTech Concept of Operations V. 1.1. October 2009.

[6]. PolyTech Industries. PolyTech Software Requirements V. 1.0. October 2009.

# 2. Test Plan

## 2.1 Test Plan Identifier

TP-001

## 2.2 Introduction

### 2.2.1 Objectives

The objective of this test plan is to provide a detailed process to validate the system functionality of the ODCB2KML system. It will also be used to find bugs in the system.

### 2.2.2 Scope

This test plan applies to the entire ODBC2KML system.

## 2.3 Features to be tested

* Create Connection
* Edit Connection
* Delete Connection
* View Connection
* Map database fields to KML fields
* View Values from Database Tables
* Set Description
* Insert field value into KML description
* Insert picture into KML description
* Upload an Icon from User’s Computer
* Upload an Icon from the web
* Add an icon to the connection
* Select Icon overlay color
* Set icon condition
* Generate KML from Web Service
* Generate KML from Web Application
* Retrieve an image from a web service
* Preview KML on Google Maps

## 2.4 Features not to be tested

* None

## 2.5 Approach

### 2.5.x Feature name

## 2.6 Item pass/fail criteria

For every input to a function, the function should produce the expected output.

## 2.7 Suspension criteria and resumption requirements

### 2.7.1 Suspension Criteria

Not applicable.

### 2.7.2 Resumption requirements

Not applicable.

## 2.8 Test Deliverables

The test deliverables include the ATR, which describes whether each test case passed or failed.

## 2.9 Environmental needs

### 2.9.1 Hardware

Testing will occur on the test team’s personal laptops.

### 2.9.2 Operating system

The operating system used by the server will be Microsoft Windows Server 2003. The testers will be running Microsoft Windows based operating systems.

## 2.10 Staffing and training needs

Two software testers will be required to test the system.

## 2.11 Schedule

Testing will be performed between January 2010 and April 2010.

## 2.12 Risks and contingencies

- Hardware failure

- Risk: Loss in productivity.

- How to avoid: Having backup systems available for continued work on the project.

## 2.13 Approvals

The testing plan will be approved by the project manager, Sivakumar Kulasekaran.

# 3. Test Case Specification

## 3.x Feature under test

# 4. Appendices