**<12ACC-06854CERS AA Interface>**

Interface Requirements Document

<project name>

Version <1.0>

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# Document Control

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Name** | **Version** | **Change Reference** |
| 11/06/2012 | Eric Liu | 1.0 | Initial document creation |

# Overview

Provide a two-way interface between Accela Automation and CalEPA CERS Hazardous Materials reporting system. This is to be designed and tested against the Accela Automation implementation for San Diego County, but the interface should be reusable for other Accela Automation agencies within the State of California.*”*

This interfaces used for exchanging data between Accela Automation and CalEPA CERS Hazardous Materials reporting system.

## Dependencies

* <CERS API>
* <CERS DB>
* <AA API>
* <AA DB>

# Interface Requirements

## Type

|  |  |
| --- | --- |
|  | **Options** |
|  | XAPO web service adapter |
|  | EDMS web service adapter |
|  | ePayment gateway |
|  | ePayment direct server integration |
|  | Single Sign-On service adapter |
|  | One-way interface from Accela Automation to external system |
|  | One-way interface from external system to Accela Automation |
|  | Two-way interface |
|  | Custom portlet |
|  | Other |

## Frequency

|  |  |
| --- | --- |
|  | **Options** |
|  | Real-Time |
|  | Batch |
|  | On demand |
|  | Other |

## Service Level Agreement

The interface will be developed to meet the following performance requirements.

| **ID** | **Requirement** |
| --- | --- |
|  | The interface will accommodate a maximum user concurrency of <#> of simultaneous users accessing the interfaces |
|  | The interface will have a response time of no more than <time> per transaction processed |
|  | The interface will be designed to meet an expected transaction load for <transactions> per <timeframe> |

## Functional

The interface will be developed to include the following functional requirements. The implementation of each requirement is further defined in the use cases sections detailed below.

| **ID** | **Requirement** |
| --- | --- |
|  | The adapter connect and get the Record and document from CERS API actively at a specify user define time, then put the data to AA API process (new/update), and get the result (success or fail) and then return the result to CERS API |
|  | Create PDF Report of Existing Record Set When the data exists in AA, then create the PDF Report |
|  | Sent To Documentum (Via Documentum EDMS configuration) When the data exists in AA, then sent to documentum via EDMS after created the PDF report |
|  | The adapter determines that if there is an inspection from AA API needs to go to CERS, if Yes, export the data for updates to CERS. |
|  | Provide efficient log for trouble shooting Log ID per facility/inspection is need |
|  | Allow email alert sent to administrators of the adapter upon processing errors, Uses can config the email address |
|  | Allow re-run with specific date if the nightly process failed on the date |
|  | Allow Re-run with specific record identified by CERS ID, and specific inspection identified by inspection ID if part of the process failed |

# Data Flow



| **ID** | **Description** |
| --- | --- |
|  | The Adapter get the Record/document from CERS API |
|  | The Adapter determinate new/update the record with CERS ID via AA API |
|  | The Adapter send the Govxml to AA API to new/update the record/document |
|  | If new, then create new parent record, and create new children records |
|  | If update, then create PDF Report of Existing Record Set and Sent To Documentum (Via Documentum EDMS configuration) |
|  | ~~The Adapter return the result(success or fail) to CERS API~~ |
|  |  |
|  | The Adapter get the inspection that needs to go to CERS from AA API |
|  | The Adapter send the inspection data for update to CERS API |

# Development Assumptions

| **ID** | **Description** |
| --- | --- |
|  | CERS DB is available |
|  | CERS API is available to connect |
|  | AA API is available to connect |
|  | AA DB is available |

# Use Cases

The following usecases that will be fulfilled by the interface.

Case 1

**Role**: AA user

**Desired Outcome:** The AA user can review the data (Record and Document) correctly that input by CERS.

| **Step** | **Action** | **Result** |
| --- | --- | --- |
| **1** | AA user run the AA system against the updated DB | Users can review the data(Record and Document) correctly |

Case 2

**Role**: CERS user

**Desired Outcome:** CERS user can review the inspection correctly that input by AA.

| **Step** | **Action** | **Result** |
| --- | --- | --- |
| **1** | CERS user review the inspection against the CRES DB | Users can review the inspection that input by AA correctly |

## Process <number>- <Description>

### Purpose

This interface is usedfor exchanging data between Accela Automation and CalEPA CERS Hazardous Materials reporting system

### Requirements

Administrator need to configure the setting for connecting to CERS API, AA API, email address, log file location, etc.

### Expected Input / Output

Administrator need to configure the setting for connecting to CERS API, AA API, email address, log file location, etc.

### Screen Shots

NULL

# Appendix<ID> - <Description (ex. API Description)>