**12ACC-06854 Accela Automation and CalEPA CERS**

Interface Design Document

AA CERS Interface

Version 1.0

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# Document Control

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Name** | **Version** | **Change Reference** |
| 11/13/2012 | Eric Liu | 1.0 | Initial document creation |
| 11/15/2012 | Eric Liu | 1.1 | Updated the dataflow diagram and other non-functional |
| 11/16/2012 | Eric Liu | 1.2 | 1. Added the data diagram, technical stack info and Adapter use method.  2.Updated the variable name of Verify CERS ID REQUEST, GET INSPECTIONS REQUEST |

# Overview

|  |  |
| --- | --- |
| **Interface Name** | **AA CERS Interface** |
| Interface Consumers | COSD, CERS, AA |
| Enterprise Usage | Yes |
| Interfacing Systems | CERS API, AA Service, General Query Web service |
| Interface Method | web service, API |
| Communication Method | HTTP |
| Network | Intranet, Internet |
| Frequency | Daily Batch |
| Deployment Location | IIS Server, AA Application Server |

## Deployment Diagram





# System Interactions

The following system interactions will be made through CERS EDT Services, adapter and Accela Automation API

## Adapter Data flow

The following interaction will be triggered when the administrator activate the adapter.



# interfacing Details

The interface uses HTTP transformation for interaction between the services.

## Adapter Interface Messages

Adapter uses the following messages in order to interact with the CERS EDT service and AA Service.

### get Record Request

This message is invoked when the adapter is activated; the adapter gets the record from CERS EDT Services and is composed of the following objects.

| **Variable Name** | **Usage / Comments** |
| --- | --- |
| RegulatorCode (String) | This is the service provider to get the data for all of their facilities.  [https://cersservices.calepa.ca.gov/Staging/Regulator/FacilitySubmittal/Query?regulatorCode=**{regulatorCode}**](https://cersservices.calepa.ca.gov/Staging/Regulator/FacilitySubmittal/Query?regulatorCode=%7bregulatorCode%7d) |
| submittalActionOnStart | The start date of facility for transform to AA |
| submittalActionOnEnd | The end date of facility for transform to AA |
| Other variables | Refer to the CERS EDT help  <https://cersservices.calepa.ca.gov/Staging/Regulator/FacilitySubmittal/Help> |

### Get Document ReQUEST

| **Variable Name** | **Usage / Comments** |
| --- | --- |
| CERSUniqueKey (String) | This is the service provider to get the document  [https://cersservices.calepa.ca.gov/Staging/Regulator/FacilitySubmittal/Query/Document/***{CERSUniqueKey}***](https://cersservices.calepa.ca.gov/Staging/Regulator/FacilitySubmittal/Query/Document/%7bCERSUniqueKey%7d) |
| Other variables | Refer to the CERS EDT help  <https://cersservices.calepa.ca.gov/Staging/Regulator/FacilitySubmittal/Help> |

### Verify CERS ID ReQUEST

| **Variable Name** | **Usage / Comments** |
| --- | --- |
| CERS ID(String) | This the string for query the record if exist or not in AA |
| CERS\_ValidationAAQuerySQL\_1 | This is the variable name for locating SQL statement in Generic Query config xml file, the SQL statement is:  SELECT B1\_PER\_ID1,B1\_PER\_ID2,B1\_PER\_ID3 from BCHCKBOX BK |

### Initial Record ReQUEST

| **Variable Name** | **Usage / Comments** |
| --- | --- |
|  | It will follow the Govxml standard rule for initialing cap |

### Update Record ReQUEST

| **Variable Name** | **Usage / Comments** |
| --- | --- |
|  | It will follow the Govxml standard rule for updating cap |

### GetInspections ReQUEST

| **Variable Name** | **Usage / Comments** |
| --- | --- |
| InspectionStatus | This is a query condition for getting the inspections from AA, the status is “Complete” in this case, and adapter will provide the config file for user setting. |
| InspectionDate | This is a query condition for getting the inspections from AA; adapter will provide the config file for user setting. |

### 

### Update inpsections ReQUEST

| **Variable Name** | **Usage / Comments** |
| --- | --- |
| RegulatorCode  (String) | [https://cersservices.calepa.ca.gov/Staging/Regulator/CME/Submit?regulatorCode=***{regulatorCode}***](https://cersservices.calepa.ca.gov/Staging/Regulator/CME/Submit?regulatorCode=%7bregulatorCode%7d) |
| Inspection XML file | Use the CMESubmittal.xsd scheme to convert Govxml to CERS xml |

## CERS INTERFACE Object Definitions

### CERs Data and AA data mapping

The mapping dictionary will follow the document COSD CDR\_DataElementExport.xls.

# Logging

1. The exception handling that will be implemented within the interface
2. Allow email alert sent to administrator(s) of the adapter upon processing errors

# Other non-functional

1. Allow auto re-run the failed record data if part of the record data process failed.

Adapter will provide the setting for user to set the re-try times. (In addition, if the parent record creates fails, the related child records will not be created)

1. Allow re-run with specific date if the nightly process failed on the date.

Adapter will provide the date range for user and user can manually run the adapter to process the failed data on the date range.

**Adapter use method**

1. The user can run the Windows schedule to call the batch file and then run the adapter.