City of Columbus

PRISM-PMIS Interface

Budget & Planning

Contents

Overview

The City of Columbus has a Project Management System (PMIS) that it currently manually enters subcontractor data into. This data helps the City of Columbus project managers ensure that subcontractors on construction projects are getting paid for services and that the sub goals associated with the project are met.

PRISMCompliance.com (PRISM) is being used as a web-based tool to monitor inclusion for all of the City of Columbus development efforts. Since PRISM will have subcontractor-related data, Columbus would like an interface created that will transfer the data to PMIS.

Introduction

This document will discuss the interface requirements, approach for development, and related cost. This document is intended for the project manager and or technical resource involved with evaluating the feasibility, developing the interface, or creating a consumer of the interface

Requirements

This section will itemize the high-level requirements for the PRISM to PMIS interface.

Export Subcontractor Payments

1. On a nightly basis PRISM shall export the subcontractor payments for contracts
2. Only the payments made for that day shall be exported
3. The format of the export shall be a **'|'** delimited file
4. The export shall contain the following fields
    a. Contract Number
    b. SubTax ID
    c. PrimeTax ID
    d. Invoice Number
    e. Invoice Amount
    f. Amount Paid
5. The export shall be placed on PRISM's sFTP Server
6. The export filename shall be Columbus_SubPayments_mmddyyyy.pml

Other Requirements

1. The files shall remain on the sFTP server for a minimum of 14 days before they are removed
2. The exporter shall log every time they have run in the PRISM Audit log
3. The exporters shall log any errors associated with the operation to the log (on the FTPs Server)

Approach

PRISM will use a standard engineering effort to development database queries that will be the foundation of the data exports.

PRISM will use the PRISM Job Scheduler to execute the export task on a daily basis. The task will consist of the following sub tasks:

1. Query the PRISM database
2. Format the resulting data
3. Place the resulting file on the sFTP Server

Below are the formal phases involved in completing the City of Columbus requirements.

Confirm Requirements

A final review of the requirements will confirm the objectives for Columbus and the PRISM engineering team. Columbus will be required to sign off on the final requirements document.

Develop Exporters

PRISM engineers will create a custom query to pull the required data from the database and write the data to a file in the required format.

Configure PRISM Job

The PRISM job feature will be configured to execute the queries on a daily basis

Internal Test Exporters

PRISM engineers will perform an end-to-end test of the developed queries and Prism Job configuration. The results should consistently and persistently produce a file that meets the export specifications.

Document Exporters

PRISM Support Specialist will create the technical and user documentation for the new feature.

Demonstrate Exporters

The PRISM project manager and engineering will demonstrate the final release of the exporters to the City of Columbus and present the exporter documentation for review.

Columbus Exporter Test

The City of Columbus will have the opportunity to review and exercise the exporters

Final Exporter Delivery

PRISM engineering will move and configure the exporters in the production environment.

Estimate

The following estimate is for the project management, development, and configuration of all export interfaces.

Interface Development

One Time Interface Engineering Cost			
Item #	Description	Cost	Extended
1	Project Management (1 time)	$2,500	$2,500
1	Export Subcontractor Payments (1 time)	$6,500	$6,500
		Total	$9,000

Yearly Interface Maintenance

Maintenance for the interfaces includes the following:

1. Software upgrades
2. Hardware upgrades (CPU, HDD, Memory)
3. End user support

Yearly maintenance is $1,800

Appendix A – XML Schemas

This section contains the schemas for the XML exports.

Sub-contractor Payments Flat File Schema ('|' delimited)

ContractNumber|SubTaxID|PrimeTaxID|InvoiceNumber|InvoiceAmount|AmountPaid