



April 14, 2014

Department of Administration, Purchasing Division
 2019 Washington Street East
 P.O. Box 50130
 Charleston, WV 25305-0130

Attn: Mr. Guy Nisbet, Senior Buyer

**Proposal for State of West Virginia Office of Technology Solicitation # RFQ
 ISCP0049**

Dear Mr. Nisbet,

KRM Associates, Inc. is pleased to acknowledge addendums 1 and 2 with respect to solicitation ISCP 0049. Please find attached our revised proposal which addresses information presented in those addendums. The following corporate information is provided in support of our proposal:

Corporate Name:	KRM Associates, Inc.
Economic Status:	WV Certified SBA Small Business, Woman Owned Small Business
Preference Applied for:	5% Resident vendor preference under W.Va. §5A-3-37
Authorized Representative and Contact Information	Jack L. Shaffer, Jr. COO, KRM Associates, Inc. 7762 Martinsburg Pike Shepherdstown, WV 25443 Tel (304) 876-6600 x503 jack.shaffer@krminc.com
Incorporation Status	Sub S Corporation (WV)
Date Founded:	March 3, 1991
TIN:	55-0704373

In support of our proposal we are making the following assertions:

- Our first proposal dated April 7th may be disregarded and is superseded with this proposal
- We are proposing that the majority of the work performed will be at contractor facilities

Thank you for considering our offer. Should you require additional information, please contact me at 304-876-6600 x. 503 or by e-mail at jack.shaffer@krminc.com

Sincerely,

Jack L. Shaffer, Jr.
 Chief Operations Officer

04/14/14 09:51:48AM
 West Virginia Purchasing Division

State of West Virginia
West Virginia Office of Technology
.Net Developer

Response to Solicitation#: RFQ ISCP0049

Submitted by

KRM Associates, Inc
207 S. Princess Street
Shepherdstown, WV 25443
(Tel) 304.876.6600
(Fax) 304.876.2969

KRM ASSOCIATES INC



Jack L. Shaffer, Jr.
Chief Operations Officer, KRM Associates, Inc.
(Tel) 304-876-6600 ext. 503
Jack.Shaffer@krminc.com

SEALED BID ENCLOSED

RFQ Number:	ISCP 0049
Buyer:	WV Office of Technology
Bid Opening Date:	04/15/2014
Bid Opening Time:	1:30pm ET

BID TYPE: Technical Cost

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Response to .Net Developer Solicitation RFQ ISCP0049

VENDOR IDENTIFICATION AND QUALIFICATIONS

KRM Associates, Inc. is a small, independent woman-owned company headquartered in historic Shepherdstown, West Virginia. We provide information technology and security services and consulting, specializing in Healthcare Information Technology (HIT) and Information Technology (IT) security. KRM's principals have more than 90 years combined information technology and business experience and are accompanied by a staff of IT industry professionals.

Joining KRM in this bid response is CodeBusters, LLC. CodeBusters, LLC is a small, woman-owned company headquartered in Cross Lanes, West Virginia. They specialize in custom application design and development solutions, and their principles have more than 40 years of combined software development expertise in a diverse number of industries.

	Prime Contractor	SubContractor
Organization:	KRM Associates, Inc. (KRM)	CodeBusters, LLC
Logo		
Economic Status/Preferences	<ul style="list-style-type: none"> • WV Certified SBA Small Business • Woman Owned Small Business 	<ul style="list-style-type: none"> • WV Small Business • Woman Owned Small Business
Authorized Representative and Contact Information:	Jack L. Shaffer, Jr. COO, KRM Associates, Inc 7762 Martinsburg Pike Shepherdstown, WV 25443 Tel: (304) 876-6600 Jack.shaffer@krminc.com	Amber Bostic CEO, CodeBusters, LLC 824 Cross Lanes Dr. Cross Lanes, WV 25143 Tel: (304) XXX-XXXX Amber@Codebustersllc.com
Website	www.krminc.com	Codebustersllc.com
Incorporation	Sub S Corporation (WV)	Limited Liability Corporation (WV)
Date Founded:	March 3, 1991	March 21, 2011
TIN:	55-0704373	27-5134152

Experience

The KRM team members have long been in demand as organizations that can devise custom software solutions which are both functional and easy to use. We apply industry best practices to design and develop projects that consistently exceed the expectations of our clients. We also have a robust staff with extensive experience and qualifications. Our employees have applied their skill-sets in federal and private applications, and are actively learning and implementing new technologies in an ongoing manner.

KRM's knowledge-base, skill-set and longevity in the marketplace are supported by a diverse and comprehensive client base spanning state and federal governments, large and small commercial businesses, healthcare organizations, and academia. We have vast amounts of healthcare and government industry work and have performed specific development projects for WV Bureau for Medical Services, WV Children's Health Insurance Program, and the Marshall University School of Medicine.

We also have a team of seasoned architects and data base designers who will ensure that the applications function properly and scale properly in a full production environment.

As required in the RFQ, please see Exhibit A for documentation of our work experience and technical skill sets.

Customer Satisfaction

KRM strives to excel in customer satisfaction and to be a reliable source for IT services and solutions, and achieves those goals through performance and consistency. KRM's D&B Summary Performance Rating of 93 is indicative of the responsiveness and dependability that KRM offers its clients. KRM management and staff actively endeavor to maintain and improve quality client support, as indicated by the fact that KRM has worked with many repeat clients on multiple and overlapping projects, delivering satisfactory results and establishing a solid reputation for delivering beyond the letter of the contract.

TECHNICAL CAPABILITIES: APPROACH & METHODOLOGY

By hiring a professional software development firm, the State of West Virginia and the Office of Technology (along with their specific clients) will receive the benefits of having access to a diverse and deep group of technology specialists. This will allow the Office of Technology to accelerate the delivery of the required applications to their clients by adding more resources. The hiring of a single developer limits the delivery schedule by the amount of work an individual can perform. By using a firm with more resources, the applications could be delivered in a shorter calendar schedule with the same effective level of effort.

Project Management

Having a dedicated and responsive project manager is essential to the effective completion of any contract. Communications between the vendor and client are critical toward the completion of specified goals and deliverables - on time and on budget.

As required by the RFQ, KRM will designate and maintain a primary contract manager responsible for overseeing our responsibilities under this contract. Our dedicated Contract Manager is below:

Jack L. Shaffer, Jr.
Chief Operations Officer, KRM Associates, Inc
304-876-6600 x 503
Jack.Shaffer@krminc.com

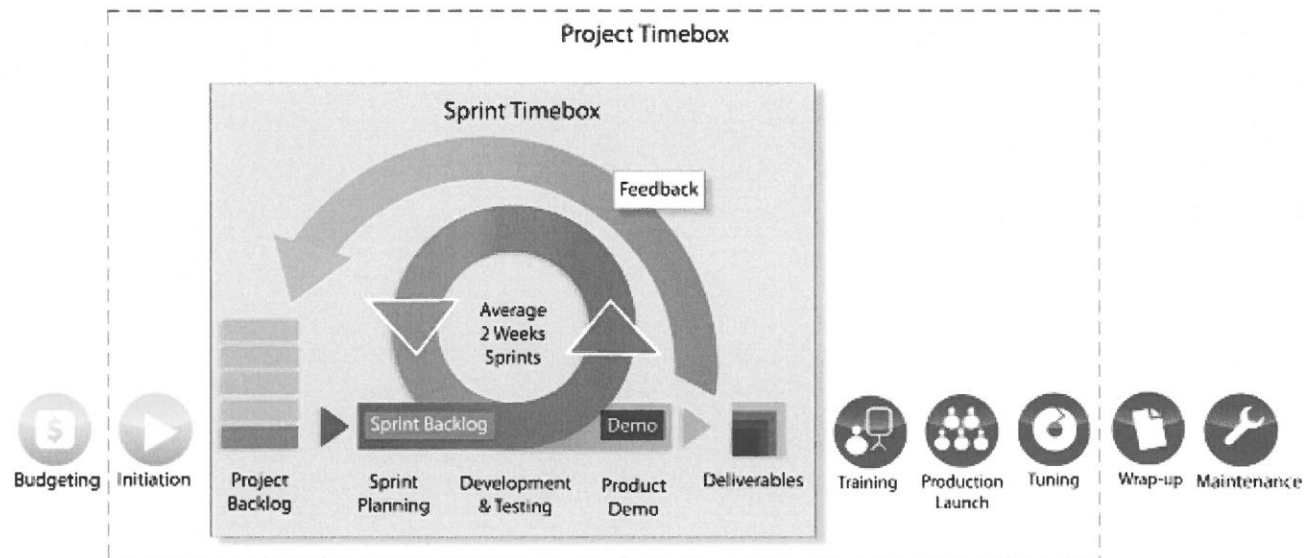
The KRM team's principle project manager is a strong resource in all aspects of IT with a 25+ year record of practical business application in both start-up and Fortune 500 companies. He has deep expertise of enterprise software on cloud, mainframe, midrange, server, desktop, and mobile systems – which will help ensure the successful implementation of any software development project.

Agile Development Process

The KRM team will use the Agile Methodology to deliver all software requirements set forth in the various task orders issued under this RFQ. The Agile approach defines the Product Backlog as functional requirements that can be completed in small increments (“Sprints”) so that the project is completed in several increments focusing on delivering results early and often to the client.

Within each development iteration, business analysts, developers, and testers work through a full software development cycle including planning, requirements analysis, design, coding, unit testing, acceptance testing and deployment to demonstrate a working product to stakeholders. The client will prioritize and approve the increment plan. This minimizes overall risk, and lets the project adapt to changes quickly. A Sprint may not add enough functionality to warrant a full production release, but the goal is to have completed distinct functional elements at the end of each Sprint. KRM's agile software development approach is represented in Figure 1.

FIGURE 1 - AGILE DEVELOPMENT METHODOLOGY



Using the Agile methodology also allows the various clients of the Office of Technology to derive the maximum system development benefit in the shortest period of time – thus saving development dollars.

Security Focus

Since the applications mentioned in the RFQ are primarily web-based and potentially implemented in a consumer facing posture, security is of the utmost importance. Hardware firewalls or other “after-the-fact” security products and methodologies cannot be relied upon as the sole method to protect the web-based application. The application must be coded and developed in such a way to prevent or reduce internet based attacks such as:

- SQL Injection
- Cross Site Scripting
- Cross site Request Forgery
- Incorrectly configured custom errors
- Buffer overflows
- Password cracking (lack of appropriate encryption)

The use of defensive programming techniques can allow an application to be developed in a more secure manner and reduce the likelihood of breach.

KRM provides security, software, and consulting solutions for healthcare, federal, state, and private organizations, including the Department of Defense, the Veterans Administration, and HIPAA covered entities. We have extensive experience serving both the public and private sector in a broad variety of Network Security and Engineering capacities. With experience in planning, implementing, and supporting secure networking solutions, as well as experience developing custom solutions to meet specific needs, KRM has the expertise to fulfill a wide variety of security related requirements. Given our core capabilities around security, the State of West Virginia and the Office of Technology can be assured that applications developed by us will be programmed in such a way to minimize security vulnerabilities.

EXHIBIT A – REQUIRED DOCUMENTATION FORMS

DOCUMENTATION OF WORK AND EDUCATIONAL EXPERIENCE

WHICH OF THE INDUSTRY RELATED FIELDS LISTED IN SECTION 3.1.1.1 DOES THE VENDOR HAVE A MINIMUM OF 2 YEARS' EXPERIENCE IN .NET WEB APPLICATION DEVELOPMENT? PRIOR TO AWARD THE VENDOR MUST PROVIDE A PHYSICAL COPY OF THE INFORMATION ON WORK OR EDUCATION EXPERIENCE FOR THE INDUSTRY RELATED FIELDS.

Section 3.1.1.1: Health Care Industry

Previous Project: WV DHHR / WV BMS Personal Health Record

Project Start Date: 1/1/2008

Date Completed: 8/31/2011

Project Description:

Developed a web based personal health record/personal health record bank for the WV DHHR/Medicaid. Included design and principles obtained from VA's My HealthVet web front end and integrated a Personal Health Record (PHR) front end for RPMS-EHR and any other CCHIT-compliant EMR. The PHR can accept multiple inputs from various standards-compliant EMRs that employ either CCR or CCD extracts to populate the PHR clinical portion. This solution is open source and can be utilized to provide a patient portal to various clinical information sources, as well as insurance claims and e-prescribing information sources. Established a Data Warehouse initiative to research, design, build and implement a data warehouse that would facilitate the manipulation of patient and provider data contained in clinical informatics systems that will either be self-entered by individual patients or uploaded from various electronic medical record (EMR) systems. The initial data warehouse was developed in MySQL, but is compatible with any SQL standard database. The tasks consisted of designing and developing a data warehouse to store self-entered clinical and health related data.

The second phase required designing and building a framework to integrate and upload clinical data from various electronic medical systems utilizing the standard Continuity of Care Document (CCR) definition. The data was uploaded from various EMRs in an XML format and then parsed into the database for display and analysis along with the self-entered data. The project included self-entered, clinically uploaded and eventually claims data integrated for the Medicaid claims database. This resulting Clinical Data Warehouse will be utilized by individuals, case managers, claims experts and various parties delegated by the individual.

Location: Charleston WV

Project URL: (if applicable) <http://www.healthmountaineer.com/>

Section 3.1.1.1: Insurance Industry

Previous Project: T-CHIC Project for WV Children's Health Insurance Program

Project Start Date: 10/1/2010

Date Completed: 1/31/2013

The overall aims of the state of West Virginia in this project were to improve the access to and quality of health care for children in West Virginia through the testing of the use of a new care model using community based shared care coordinators; the utilization of a web based Patient Health Record (PHR) as a communication and reporting tool between the care team, care coordinator and patient and family; and the examination of new measures to demonstrate the impact of these services on overall quality of care. West Virginia participated in a national collaboration with the states of Oregon and Alaska as part of this quality demonstration project.

A core set of measures was tested working with the other states. In West Virginia, primary care providers were recruited to test these measures while striving to become medical homes. In exchange for their participation in the testing of the proposed measures, the providers were provided support through a shared care coordinator. The care coordinator assisted with the data collection, but also worked on intervention strategies to improve the care working with each respective care team. The practices also collaborated to share best practices and lessons learned across the participating practices.

The project was part of a multi-state collaborative funded through the Children's Health Insurance Program (CHIP) to modify and pilot web-based Personal Health Record (PHR) technology originally developed under a Center for Medicare and Medicaid Services (CMS) transformation grant as a pediatric-specific case management tool.

- Integrated role-based security and C32 architecture into an open-source framework, resulting in a web-accessible toolkit available to patients, providers, and case managers.
- Adapted the PHR to accommodate data entry and self-report of draft measures to be tested in the field.
- Coordinated and integrated pediatric-specific functionality into web-based case management utility, including growth charts and head circumference measurements.
- Deployed and supported pilot solution for use within participating states.

Location: Charleston, WV

Project URL: (if applicable)

Section 3.1.1.1: Government

Previous Project: Risk Assessment (Mental Health – School Based Healthcare) Marshall University

Project Start Date: 7/1/ 2011

Date Completed: 11/31/2013

Project Description:

.NET web application with a SQL Server back end, to track student's health risks. The application is setup to collect demographics about the student, and then they are given a series of questions to answer. The questions are given a certain "risk" grade and are flagged for certain answers. If a question is flagged, at the end of the survey, the counselor is notified of the flagged questions to review with the students. The students are also to select 3 items to improve upon. When they return, the system tracks their history.

Location: Huntington, Marshall University

Project URL: (if applicable)

THE VENDOR MUST HAVE KNOWLEDGE AND TECHNICAL EXPERIENCE IN .NET WEB APPLICATIONS DEVELOPMENT. PRIOR TO AWARD, THE VENDOR MUST PROVIDE WORK OR EDUCATIONAL EXPERIENCE FOR ALL 10 SKILLSETS OUTLINED IN SECTION 3.1.2.1

Section 3.1.2.1: Relational Databases

Previous Project Experience: Pick Insider

Project Start Date: 8/1/2011

Date Completed: On-going

Project Description:

A platform to assist in the picking of greyhounds for races. Responsible for the database layout and design (SQL Server). All tables were setup with primary and foreign keys. Also responsible for extracting data from XML files, parsing, validating, and placing into a relational database. There are also extensive queries that perform multiple calculations including rankings.

Location: Cross Lanes, WV

Project URL: (if applicable) <http://pickinsider.com/#/races>

Section 3.1.2.1: Visual Studio version 2010 and or higher

Previous Project Experience: Dental Assessment (School Based Healthcare)

Project Start Date: 8/1/2011

Date Completed: 12/31/2011

Project Description:

.NET web application with a SQL Server back end, to track student's oral health. This is used to track students and different data elements that relate to oral health. It tracks each visit and the results.

Location: Huntington, WV Marshall University

Project URL: (if applicable)

Section 3.1.2.1: Writing SQL Statements

Previous Project Experience: Dealers Association reporting

Project Start Date: 1/1/2014

Date Completed: 3/31/2014

Project Description:

Developed multiple SQL Server Procedures to build dynamic queries that create a pivot report. The STUFF statement was used to allow dynamic columns, and multiple unions to incorporate a total column and row. For this particular project more than ten reports were built using different queries such as the above, and the RANK statement to group, sort and calculate totals for a dealers association.

Location: Charleston, WV

Project URL: (if applicable)

Section 3.1.2.1: C#

Previous Project Experience: Recycling Application

Project Start Date: 9/1/2012

Date Completed: Current

Project Description:

Developed a C# front end with a SQL Server back end touch screen POS application to track inventory for a recycling center. The C# hooks to a POS Printer, Cash Drawer, OCR scanner as well as a signature pad.

Location: Charleston, WV

Project URL: (if applicable)

Section 3.1.2.1: ASP.Net Web Forms

Previous Project Experience: Competitive Information System

Project Start Date: 10/1/2010

Date Completed: 12/31/2011

Project Description:

A custom, web and mapped based competitive intelligence application providing vital information for key decision makers. System aggregated, cataloged and presented data from a variety of public and private data sources to provide greater levels of industry competitor activity while simultaneously removing 160 man hours per month in manual effort spent by the organization in gathering and organizing competitive information. Integrated with ESRI GIS, Bing Maps, and SQL Server.

Location: Charleston, WV

Project URL: (if applicable)

Section 3.1.2.1: MVC3 and/or higher

Previous Project Experience: Accounts Payable approval and routing system

Project Start Date: 1/1/2012

Date Completed: 9/30/2012

Project Description:

Custom accounts payable routing and approval application. The custom web-based application fully integrated with the existing accounting software package and document imaging system, allowed for the elimination of the physical routing of invoices, which saved cycle-time and logistics costs, and reduced account classification errors by over 50% by use of an advanced logic engine.

Location: Charleston, WV

Project URL: (if applicable)

Section 3.1.2.1: Entity Framework

Previous Project Experience: Comparative Effectiveness of QI efforts among American Indian and Alaska Native Communities

Project Start Date: 9/1/2010

Date Completed: 8/31/2012

Project Description:

Populating a longitudinal database on an innovative healthcare project for the Indian Health Service (IHS) and the Agency for Healthcare Research and Quality (AHRQ). Created a sophisticated C32 parser for the IHS Resource Patient and Management System (RPMS), which retrieved and parsed C32 records, generated from the RPMS and then inserted the parsed information into a newly developed relational SQL database within the IHS infrastructure. The system used Visual Studio, C#, and the .Net Entity Framework.

The parser was designed to:

- Recursively loop through a directory of records and load them into a target repository,
- Sort files into 'archive' or 'error' directories based upon the results of the parsing routine's execution,
- Populate log files with parsing results for review.

Location: Shepherdstown, WV

Project URL: (if applicable)

Section 3.1.2.1: JavaScript

Previous Project Experience: HealthMe

Project Start Date: 3/1/2013

Date Completed: On-going

Project Description:

HealthMe is an open-source, customizable, web based health and wellness management system. While it may be integrated with an Electronic Health Record, and supports the contribution of personal health information, its main application is as a care coordination tool. As a standards-based solution, it can be adapted easily into any number of use cases and expanded to support specific care plans and scenarios. For instance, it has been implemented as a children's health care coordination tool, allowing providers operating in non-traditional care settings, such as the home, to effectively replace paper-based documentation sharing. By enabling crucial non-medical information to align with data from electronic health records, a solution is created which may best serve its target purpose.

Location: Shepherdstown, WV

Project URL: (if applicable)

Section 3.1.2.1: jQuery and jQueryUI

Previous Project Experience: HealthMe

Project Start Date: 3/1/2013

Date Completed: On-going

Project Description:

HealthMe is an open-source, customizable, web based health and wellness management system. While it may be integrated with an Electronic Health Record, and supports the contribution of personal health information, its main application is as a care coordination tool. As a standards-based solution, it can be adapted easily into any number of use cases and expanded to support specific care plans and scenarios. For instance, it has been implemented as a children's health care coordination tool, allowing providers operating in non-traditional care settings, such as the home, to effectively replace paper-based documentation sharing. By enabling crucial non-medical information to align with data from electronic health records, a solution is created which may best serve its target purpose.

Location: Shepherdstown, WV

Project URL: (if applicable) <http://www.krminc.com/healthme/>

Section 3.1.2.1: HTML and CSS

Previous Project Experience: Effective Communication Tools for Healthcare Professionals (ECTHP) Web Course Enhancement – US Department of Health and Human Services (HRSA)

Project Start Date: 8/27/2010

Date Completed: 3/8/2012

Project Description:

HRSA provides a free interactive, web-based training course to improve patient-provider communication skills by increasing participants' awareness and knowledge of the main factors contributing to effective communication. Enhancements to course work material using HTML / Javascript / CSS as well as enhancement to Adobe Flash modules and animations. Integrated with a backend at Train.org using AJAX and JSON

Location: Shepherdstown, WV

Project URL: (if applicable) <https://hrsa.train.org/DesktopShell.aspx>

PROVIDE 3 SAMPLES OF WORK RELATING TO INDUSTRIES OUTLINED IN SECTION 3.1.1.1 AND UTILIZING KNOWLEDGE OUTLINED IN SECTION 3.1.2.1

Provide a brief description of Sample 1

WV DHHR / WV BMS Personal Health Record. Developed a web based personal health record/personal health record bank for the WV DHHR/Medicaid. Included design and principles obtained from VA's My HealtheVet web front end and integrated a Personal Health Record (PHR) front end for RPMS-EHR and any other CCHIT-compliant EMR. The PHR can accept multiple inputs from various standards compliant EMRs that employ either CCR or CCD extracts to populate the PHR clinical portion. This solution is open source and can be utilized to provide a patient portal to various clinical information sources as well as insurance claims and e-prescribing information sources. Established a Data Warehouse initiative to research, design, build and implement a data warehouse that would facilitate the manipulation of patient and provider data contained in clinical informatics systems that will either be self-entered by individual patients or uploaded from various electronic medical record (EMR) systems. The initial data warehouse was developed in MySQL but is compatible with any SQL standard database. The tasks consisted of designing and developing a data warehouse to store self-entered clinical and health related data.

The second phase required designing and building a framework to integrate and upload clinical data from various electronic medical systems utilizing the standard Continuity of Care Document (CCR) definition. The data was uploaded form various EMRs in an XML format and then parsed into the database for display and analysis along with the self-entered data. The project included self-entered, clinically uploaded and eventually claims data integrated for the Medicaid claims database. This resulting Clinical Data Warehouse will be utilized by individuals, case managers, claims experts and various parties delegated by the individual.

Code Sample Below:

```
[System.Web.Services.WebMethodAttribute()]
[System.Web.Services.Protocols.SoapDocumentMethodAttribute("LookupPatientsByID",
RequestNamespace="http://service.ws.ovid.ccr.medsphere.com/",
ResponseNamespace="http://service.ws.ovid.ccr.medsphere.com/",
ParameterStyle=System.Web.Services.Protocols.SoapParameterStyle.Wrapped,
Use=System.Web.Services.Description.SoapBindingUse.Literal)]
[return: System.Xml.Serialization.XmlElementAttribute("return")]
public override FMPatient[] LookupPatientsByID(string access, string verify, string ID)
{
    // Name, DisplayAge/Age, Sex/Gender
    login(access, verify);
    if (connected)
    {CC
        //SC PATIENT LOOKUP ARGUMENTS: ARRAY - SCIN("VALUE")
        //SoapHashtable arguments = new SoapHashtable();
        //arguments["\"VALUE\""] = ID;
        //string[] patientLookup = Common.Split(Connection.CallRPC("SC PATIENT LOOKUP",
RpcFormatter.FormatArgs(true,arguments))); //USEABLE ONLY ON VA BROKER
```

```

string[] patientLookup = Common.Split(bnLib.TransmitRPC("COC PATIENT LOOKUP", ID));
//USEABLE ONLY ON BMX BROKER

//run the COC RNF GETN rpc and convert it to an FMPatient
List<FMPatient> result = new List<FMPatient>();
foreach (string patient in patientLookup) //for va broker
//foreach (DataRow row in dt.Rows)
{
    //COC RNF GETN RPC ARGUMENTS: FILE,REFERENCE,INDEX,ALL_FLAG
    string[] rnfArgs = new string[3];
    rnfArgs[0] = "2";
    rnfArgs[1] = Pieces.Piece(patient, U, 1); //for va broker
    //rnfArgs[1] = row["IEN"].ToString(); //for bmx broker
    rnfArgs[2] = "";
    RNF RNFPatient = new RNF();
    //RNFPatient = RNFPatient.ParseArray(Common.Split(Connection.CallRPC("COC RNF
GETN", RpcFormatter.FormatArgs(true, rnfArgs)))); //for va broker
    RNFPatient = RNFPatient.ParseArray(Common.Split(bnLib.TransmitRPC("COC RNF GETN",
rnfArgs[0] + "^" + rnfArgs[1] + "^" + rnfArgs[2]))); //for bmx broker

    //get the pieces that we want to create an FMPatient[]
    RNFField patientName = RNFPatient.getField("NAME");
    RNFField patientAge = RNFPatient.getField("AGE");
    RNFField patientDisplayAge = RNFPatient.getField("DISPLAY AGE");
    RNFField patientGender = RNFPatient.getField("SEX");
    RNFField patientDOB = RNFPatient.getField("DATE OF BIRTH");
    RNFField patientID = RNFPatient.getField("ID");
    RNFField patientIEN = RNFPatient.getField("IEN");
    RNFField patientAddressLine1 = RNFPatient.getField("STREET
ADDRESS [LINE 1]");
    RNFField patientAddressLine2 = RNFPatient.getField("STREET
ADDRESS [LINE 2]");
    RNFField patientAddressLine3 = RNFPatient.getField("STREET
ADDRESS [LINE 3]");
    RNFField patientAddressCity = RNFPatient.getField("CITY");
    RNFField patientAddressState = RNFPatient.getField("STATE");
    RNFField patientAddressZip = RNFPatient.getField("ZIP+4");

    //add the current RNFPatient into FMPatient result
    FMPatient patientInfo = new FMPatient();
    if (patientName != null)
    {
        patientInfo.Name = patientName.Value;
    }
    else
    {
        patientInfo.Name = "";
    }

    if (patientIEN != null)

```



```
{
    patientInfo.IEN = patientIEN.Value;
}
else
{
    patientInfo.IEN = "";
}

if (patientID != null)
{
    patientInfo.ID = patientID.Value;
}
else
{
    patientInfo.ID = "";
}

if (patientGender != null)
{
    patientInfo.Gender = patientGender.Value;
}
else
{
    patientInfo.Gender = "";
}

if (patientDOB != null)
{
    patientInfo.DOB = DateTime.Parse(patientDOB.Value);
    patientInfo.DOBSpecified = true;
}
else
{
    patientInfo.DOBSpecified = false;
}

if (patientDisplayAge.Value == null)
{
    if (patientAge != null)
    {
        patientInfo.Age = patientAge.Value;
    }
}
else
{
    patientInfo.Age = patientDisplayAge.Value;
}
if (patientAddressLine1 != null)
{
    patientInfo.AddressLine1 = patientAddressLine1.Value;
}
```

```
    }
    if (patientAddressLine2 != null)
    {
        patientInfo.AddressLine2 = patientAddressLine2.Value;
    }
    if (patientAddressLine3 != null)
    {
        patientInfo.AddressLine3 = patientAddressLine3.Value;
    }
    if (patientAddressCity != null)
    {
        patientInfo.City = patientAddressCity.Value;
    }
    if (patientAddressState != null)
    {
        patientInfo.State = patientAddressState.Value;
    }
    if (patientAddressZip != null)
    {
        patientInfo.Zip = patientAddressZip.Value;
    }
    result.Add(patientInfo);
}
conn.Close();
return (result.ToArray());
}
return (new FMPatient[1]);
}
```

Provide a brief description of Sample 2

T-CHIC Project for WV Children's Health Insurance Program. The overall aims of the state of West Virginia in this project were to improve the access to and quality of health care for children in West Virginia through the testing of the use of a new care model using community based shared care coordinators; the utilization of a web based Patient Health Record (PHR) as a communication and reporting tool between the care team, care coordinator and patient and family; and the examination of new measures to demonstrate the impact of these services on overall quality of care. West Virginia participated in a national collaboration with the states of Oregon and Alaska as part of this quality demonstration project.

A core set of measures was tested working with the other states. In West Virginia, primary care providers were recruited to test these measures while striving to become medical homes. In exchange for their participation in the testing of the proposed measures, the providers were provided support through a shared care coordinator. The care coordinator assisted with the data collection, but also worked on intervention strategies to improve the care working with each respective care team. The practices also participated in a collaborative to share best practices and lessons learned across the participating practices.

The project was part of a multi-state collaborative funded through the Children's Health Insurance Program (CHIP), to modify and pilot web-based Personal Health Record (PHR) technology originally developed under a Center for Medicare and Medicaid Services (CMS) transformation grant as a pediatric specific case management tool.

- Integrated role-based security and C32 architecture into an open-source framework, resulting in a web-accessible toolkit available to patients, providers, and case managers.
- Adapted the PHR to accommodate data entry and self-report of draft measures to be tested in the field.
- Coordinated and integrated pediatric-specific functionality into web-based case management utility, including growth charts and head circumference measurements.

Deployed and supported pilot solution for use within participating states.

Code Sample Below:

```
using System;
using System.Configuration;
using System.Web;
using System.Web.Security;
using System.Web.UI;
using System.Web.UI.HtmlControls;
using System.Web.UI.WebControls;
using System.Web.UI.WebControls.WebParts;
using System.Collections.Generic;
// import the RPC Broker
using Medsphere.OpenVista.Remoting;
using Medsphere.OpenVista.Shared;

namespace ccrService.Domain
{
    public class RNF
    {
        public RNFFile File { get; set; }
        public List<RNFField> Field { get; set; }
        private const char U = '^';

        public RNF()
        {
            this.File = new RNFFile();
            this.Field = new List<RNFField>();
        }

        public RNFField getField(string Name)
        {
            foreach (RNFField field in this.Field)
            {
```

```
        if (field.Name == Name)
        {
            return (field);
        }
    }
    return (null);
}

public RNF ParseArray(string[] rpcArray)
{
    if (rpcArray == null)
    {
        return (null);
    }
    RNF patient = new RNF();
    foreach (string rnfData in rpcArray)
    {
        string[] data = Common.Split(rnfData, U);
        if (data[0] == "")
            break;
        try
        {
            //determine if it is the first line
            int data2 = int.Parse(data[0]);
            patient.File.FileNumber = double.Parse(data[1]);
            RNFField field = new RNFField();
            field.Name = "IEN";
            field.Number = double.Parse(".001");
            field.Value = data[3];
            field.InternalValue = data[3];
            patient.Field.Add(field);
        }
        catch (FormatException)
        {
            if (data[2] == "" || data[3] == "" || data[4] == "")
            {
                continue;
            }
            //not the first line
            RNFField field = new RNFField();
            field.Name = data[0];
            field.Number = double.Parse(data[2]);
            field.Value = data[3];
            field.InternalValue = data[4];
            patient.Field.Add(field);
        }
    }
    return (patient);
}
```

}

Provide a brief description of Sample 3

Risk Assessment (Mental Health – School Based Healthcare) Marshall University .NET web application with a SQL Server back end, to track student’s health risks. The application is setup to collect demographics about the student, and then they are given a series of questions to answer. The questions are given a certain “risk” grade and are flagged for certain answers. If a question is flagged, at the end of the survey, the counselor is notified of the flagged questions to review with the students. The students are also to select 3 items to improve upon. When they return, the system tracks their history.

Code Sample Below:

```
public class ActionPlan
{
    public string siteid { get; set; }
    public string studentid { get; set; }
    public string date { get; set; }
    public string surveyid { get; set; }
    public string itemid { get; set; }
    public string questid { get; set; }
    public string answer { get; set; }
    public string othanswer { get; set; }
    public string version { get; set; }
    public string update { get; set; }
    public string closed { get; set; }
    public string reason { get; set; }
}
public List<ActionPlan> GET_ACTION_PLAN(string siteid, string studentid, string surveyid, string
date)
{
    try
    {
        SqlDataAdapter adpt = new SqlDataAdapter("sp_GET_ACTION_PLAN", Global.connSQL);
        adpt.SelectCommand.CommandType = CommandType.StoredProcedure;
        adpt.SelectCommand.Parameters.Add(new SqlParameter("@SITE_ID", siteid));
        adpt.SelectCommand.Parameters.Add(new SqlParameter("@STUDENT_ID", studentid));
        adpt.SelectCommand.Parameters.Add(new SqlParameter("@SURVEY_ID", surveyid));
        adpt.SelectCommand.Parameters.Add(new SqlParameter("@DATE", date));

        DataSet ds = new DataSet();
        adpt.Fill(ds, "Results");
        DataTable dt = ds.Tables[0];

        List<ActionPlan> data = new List<ActionPlan>();
        foreach (DataRow dr in dt.Rows)
        {
            data.Add(new ActionPlan()
            {
```

```
        siteid = dr["siteid"].ToString(),
        studentid = dr["studentid"].ToString(),
        date = ShortenDate(dr["date"].ToString()),
        surveyid = dr["surveyid"].ToString(),
        itemid = dr["itemid"].ToString(),
        questid = dr["questid"].ToString(),
        answer = dr["answer"].ToString(),
        othanswer = dr["othanswer"].ToString(),
        version = dr["version"].ToString(),
        update = ShortenDate(dr["update"].ToString()),
        closed = dr["closed"].ToString(),
        reason = dr["reason"].ToString()
    });
}

return data;
}
catch (Exception e)
{
    this.ShowMessage(e.ToString());
    return null;
}
}
```

EXHIBIT B – PRICING PAGE

ITEM #	DESCRIPTION	HOURLY RATE	QUANTITY (HOURS)	EXTENDED PRICE
1	.NET WEB DEVELOPER PROGRAMMER CONTRACT COST FOR 1 YEAR	\$109.00*	2288	\$249,392.00
2	.NET WEB DEVELOPER PROGRAMMER RENEWAL FOR YEAR 2	\$109.00*	2288	\$249,392.00
3	.NET WEB DEVELOPER PROGRAMMER RENEWAL FOR YEAR 3	\$109.00*	2288	\$249,392.00
TOTAL COST				\$748,176.08

*** Work to be performed at Contractor Facility**

ATTACHMENT 1 – VENDOR PREFERENCE CERTIFICATE

State of West Virginia VENDOR PREFERENCE CERTIFICATE

Certification and application* is hereby made for Preference in accordance with **West Virginia Code**, §5A-3-37. (Does not apply to construction contracts). **West Virginia Code**, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the **West Virginia Code**. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Resident Vendor Preference, if applicable.

1. **Application is made for 2.5% resident vendor preference for the reason checked:**
 Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; **or**,
 Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or 80% of the ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor who has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; **or**,
 Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; **or**,
2. **Application is made for 2.5% resident vendor preference for the reason checked:**
 Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; **or**,
3. **Application is made for 2.5% resident vendor preference for the reason checked:**
 Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employing a minimum of one hundred state residents who certifies that, during the life of the contract, on average at least 75% of the employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; **or**,
4. **Application is made for 5% resident vendor preference for the reason checked:**
 Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; **or**,
5. **Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:**
 Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; **or**,
6. **Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:**
 Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.
7. **Application is made for preference as a non-resident small, women- and minority-owned business, in accordance with West Virginia Code §5A-3-59 and West Virginia Code of State Rules.**
 Bidder has been or expects to be approved prior to contract award by the Purchasing Division as a certified small, women- and minority-owned business.

Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.

By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential.

Under penalty of law for false swearing (West Virginia Code, §61-5-3), Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.

Bidder: KRM Associates, Inc. Signed: *Shelly McCall*
 Date: 4-11-14 Title: CEO

ATTACHMENT 2 – PURCHASING AFFIDAVIT

RFQ No. ISCP0049

STATE OF WEST VIRGINIA
Purchasing Division
PURCHASING AFFIDAVIT

MANDATE: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: KRM Associates Inc.

Authorized Signature: [Signature] Date: 4-11-14

State of West Virginia

County of Jefferson, to-wit:

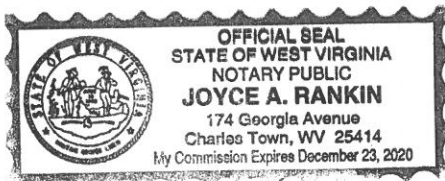
Taken, subscribed, and sworn to before me this 11 day of April, 2014

My Commission expires 12-23-2020, 20

AFFIX SEAL HERE

NOTARY PUBLIC

[Signature]
Purchasing Affidavit (Revised 07/01/2012)



ATTACHMENT 3 – CERTIFICATION AND SIGNATURE PAGE

CERTIFICATION AND SIGNATURE PAGE

By signing below, I certify that I have reviewed this Solicitation in its entirety, understand the requirements, terms and conditions, and other information contained herein; that I am submitting this bid or proposal for review and consideration; that I am authorized by the bidder to execute this bid or any documents related thereto on bidder's behalf; that I am authorized to bind the bidder in a contractual relationship; and that to the best of my knowledge, the bidder has properly registered with any State agency that may require registration.

KRM Associates, Inc.
(Company)

Shelly McCall
(Authorized Signature)

Holly S McCall, CEO
(Representative Name, Title)

304.876.1127 x 501; 304.876.2969
(Phone Number) (Fax Number)

4-11-14
(Date)

ATTACHMENT 4 – ADDENDUM ACKNOWLEDGEMENT FORM – ISCP0049

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: ISCP0049

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

(Check the box next to each addendum received)

- | | |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input checked="" type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

KRM Associates, Inc.
Company

Shelly McCall
Authorized Signature

4-11-14
Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.
Revised 6/8/2012



April 7, 2014

Department of Administration, Purchasing Division
 2019 Washington Street East
 P.O. Box 50130
 Charleston, WV 25305-0130

Attn: Mr. Guy Nisbet, Senior Buyer

**Proposal for State of West Virginia Office of Technology Solicitation # RFQ
 ISCP0049**

Dear Mr. Nisbet,

KRM Associates, Inc. is pleased to submit this proposal for solicitation ISCP 0049. The following corporate information is provided in support of our proposal:

Corporate Name:	KRM Associates, Inc.
Economic Status:	WV Certified SBA Small Business, Woman Owned Small Business
Preference Applied for:	5% Resident vendor preference under W.Va. §5A-3-37
Authorized Representative and Contact Information	Jack L. Shaffer, Jr. COO, KRM Associates, Inc. 7762 Martinsburg Pike Shepherdstown, WV 25443 Tel (304) 876-6600 x503 jack.shaffer@krminc.com
Incorporation Status	Sub S Corporation (WV)
Date Founded:	March 3, 1991
TIN:	55-0704373

Thank you for considering our offer. Should you require additional information, please contact me at 304-876-6600 x. 503 or by e-mail at jack.shaffer@krminc.com

Sincerely,

Jack L. Shaffer, Jr.
 Chief Operations Officer

04/08/14 09:10:25AM
 West Virginia Purchasing Division

State of West Virginia
West Virginia Office of Technology

.Net Developer

Response to Solicitation#: RFQ ISCP0049

Submitted by

KRM Associates, Inc
207 S. Princess Street
Shepherdstown, WV 25443
(Tel) 304.876.6600
(Fax) 304.876.2969

KRM ASSOCIATES INC



Jack L. Shaffer, Jr.
Chief Operations Officer, KRM Associates, Inc.
(Tel) 304-876-6600 ext. 503
Jack.Shaffer@krminc.com

SEALED BID ENCLOSED

RFQ Number:	ISCP 0049
Buyer:	WV Office of Technology
Bid Opening Date:	04/09/2014
Bid Opening Time:	1:30pm ET

BID TYPE: Technical Cost

Vendor Signature:  Date: 4-7-14

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Response to .Net Developer Solicitation RFQ ISCP0049

VENDOR IDENTIFICATION AND QUALIFICATIONS

KRM Associates, Inc. is a small, independent woman-owned company headquartered in historic Shepherdstown, West Virginia. We provide information technology and security services and consulting, specializing in Healthcare Information Technology (HIT) and Information Technology (IT) security. KRM's principals have more than 90 years combined information technology and business experience and are accompanied by a staff of IT industry professionals.

Joining KRM in this bid response is CodeBusters, LLC. CodeBusters, LLC is a small, woman-owned company headquartered in Cross Lanes, West Virginia. They specialize in custom application design and development solutions, and their principles have more than 40 years of combined software development expertise in a diverse number of industries.

	Prime Contractor	SubContractor
Organization:	KRM Associates, Inc. (KRM)	CodeBusters, LLC
Logo		
Economic Status/Preferences	<ul style="list-style-type: none"> • WV Certified SBA Small Business • Woman Owned Small Business 	<ul style="list-style-type: none"> • WV Small Business • Woman Owned Small Business
Authorized Representative and Contact Information:	Jack L. Shaffer, Jr. COO, KRM Associates, Inc 7762 Martinsburg Pike Shepherdstown , WV 25443 Tel: (304) 876-6600 Jack.shaffer@krminc.com	Amber Bostic CEO, CodeBusters, LLC 824 Cross Lanes Dr. Cross Lanes, WV 25143 Tel: (304) XXX-XXXX Amber@Codebustersllc.com
Website	www.krminc.com	Codebustersllc.com
Incorporation	Sub S Corporation (WV)	Limited Liability Corporation (WV)
Date Founded:	March 3, 1991	March 21, 2011
TIN:	55-0704373	27-5134152

Experience

The KRM team members have long been in demand as organizations that can devise custom software solutions which are both functional and easy to use. We apply industry best practices to design and develop projects that consistently exceed the expectations of our clients. We also have a robust staff with extensive experience and qualifications. Our employees have applied their skill-sets in federal and private applications, and are actively learning and implementing new technologies in an ongoing manner.

KRM's knowledge-base, skill-set and longevity in the marketplace are supported by a diverse and comprehensive client base spanning state and federal governments, large and small commercial businesses, healthcare organizations, and academia. We have vast amounts of healthcare and government industry work and have performed specific development projects for WV Bureau for Medical Services, WV Children's Health Insurance Program, and the Marshall University School of Medicine.

We also have a team of seasoned architects and data base designers who will ensure that the applications function properly and scale properly in a full production environment.

As required in the RFQ, please see Exhibit A for documentation of our work experience and technical skill sets.

Customer Satisfaction

KRM strives to excel in customer satisfaction and to be a reliable source for IT services and solutions, and achieves those goals through performance and consistency. KRM's D&B Summary Performance Rating of 93 is indicative of the responsiveness and dependability that KRM offers its clients. KRM management and staff actively endeavor to maintain and improve quality client support, as indicated by the fact that KRM has worked with many repeat clients on multiple and overlapping projects, delivering satisfactory results and establishing a solid reputation for delivering beyond the letter of the contract.

TECHNICAL CAPABILITIES: APPROACH & METHODOLOGY

By hiring a professional software development firm, the State of West Virginia and the Office of Technology (along with their specific clients) will receive the benefits of having access to a diverse and deep group of technology specialists. This will allow the Office of Technology to accelerate the delivery of the required applications to their clients by adding more resources. The hiring of a single developer limits the delivery schedule by the amount of work an individual can perform. By using a firm with more resources, the applications could be delivered in a shorter calendar schedule with the same effective level of effort.

Project Management

Having a dedicated and responsive project manager is essential to the effective completion of any contract. Communications between the vendor and client are critical toward the completion of specified goals and deliverables - on time and on budget.

As required by the RFQ, KRM will designate and maintain a primary contract manager responsible for overseeing our responsibilities under this contract. Our dedicated Contract Manager is below:

Jack L. Shaffer, Jr.
Chief Operations Officer, KRM Associates, Inc
304-876-6600 x 503
Jack.Shaffer@krminc.com

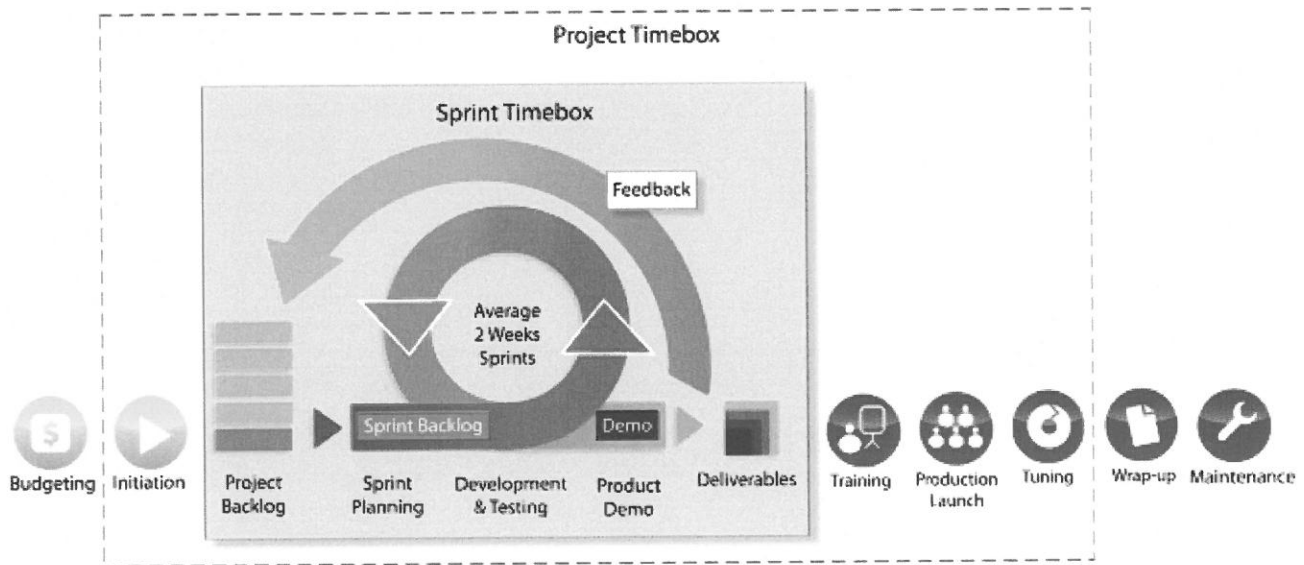
The KRM team's principle project manager is a strong resource in all aspects of IT with a 25+ year record of practical business application in both start-up and Fortune 500 companies. He has deep expertise of enterprise software on cloud, mainframe, midrange, server, desktop, and mobile systems – which will help ensure the successful implementation of any software development project.

Agile Development Process

The KRM team will use the Agile Methodology to deliver all software requirements set forth in the various task orders issued under this RFQ. The Agile approach defines the Product Backlog as functional requirements that can be completed in small increments (“Sprints”) so that the project is completed in several increments focusing on delivering results early and often to the client.

Within each development iteration, business analysts, developers, and testers work through a full software development cycle including planning, requirements analysis, design, coding, unit testing, acceptance testing and deployment to demonstrate a working product to stakeholders. The client will prioritize and approve the increment plan. This minimizes overall risk, and lets the project adapt to changes quickly. A Sprint may not add enough functionality to warrant a full production release, but the goal is to have completed distinct functional elements at the end of each Sprint. KRM’s agile software development approach is represented in Figure 1.

FIGURE 1 - AGILE DEVELOPMENT METHODOLOGY



Using the Agile methodology also allows the various clients of the Office of Technology to derive the maximum system development benefit in the shortest period of time – thus saving development dollars.

Security Focus

Since the applications mentioned in the RFQ are primarily web-based and potentially implemented in a consumer facing posture, security is of the utmost importance. Hardware firewalls or other “after-the-fact” security products and methodologies cannot be relied upon as the sole method to protect the web-based application. The application must be coded and developed in such a way to prevent or reduce internet based attacks such as:

- SQL Injection
- Cross Site Scripting
- Cross site Request Forgery
- Incorrectly configured custom errors
- Buffer overflows
- Password cracking (lack of appropriate encryption)

The use of defensive programming techniques can allow an application to be developed in a more secure manner and reduce the likelihood of breach.

KRM provides security, software, and consulting solutions for healthcare, federal, state, and private organizations, including the Department of Defense, the Veterans Administration, and HIPAA covered entities. We have extensive experience serving both the public and private sector in a broad variety of Network Security and Engineering capacities. With experience in planning, implementing, and supporting secure networking solutions, as well as experience developing custom solutions to meet specific needs, KRM has the expertise to fulfill a wide variety of security related requirements. Given our core capabilities around security, the State of West Virginia and the Office of Technology can be assured that applications developed by us will be programmed in such a way to minimize security vulnerabilities.

EXHIBIT A – REQUIRED DOCUMENTATION FORMS

DOCUMENTATION OF WORK AND EDUCATIONAL EXPERIENCE

WHICH OF THE INDUSTRY RELATED FIELDS LISTED IN SECTION 3.1.1.1 DOES THE VENDOR HAVE A MINIMUM OF 2 YEARS' EXPERIENCE IN .NET WEB APPLICATION DEVELOPMENT? PRIOR TO AWARD THE VENDOR MUST PROVIDE A PHYSICAL COPY OF THE INFORMATION ON WORK OR EDUCATION EXPERIENCE FOR THE INDUSTRY RELATED FIELDS.

Section 3.1.1.1: Health Care Industry

Previous Project: WV DHHR / WV BMS Personal Health Record

Project Start Date: 1/1/2008

Date Completed: 8/31/2011

Project Description:

Developed a web based personal health record/personal health record bank for the WV DHHR/Medicaid. Included design and principles obtained from VA's My HealthVet web front end and integrated a Personal Health Record (PHR) front end for RPMS-EHR and any other CCHIT-compliant EMR. The PHR can accept multiple inputs from various standards-compliant EMRs that employ either CCR or CCD extracts to populate the PHR clinical portion. This solution is open source and can be utilized to provide a patient portal to various clinical information sources, as well as insurance claims and e-prescribing information sources. Established a Data Warehouse initiative to research, design, build and implement a data warehouse that would facilitate the manipulation of patient and provider data contained in clinical informatics systems that will either be self-entered by individual patients or uploaded from various electronic medical record (EMR) systems. The initial data warehouse was developed in MySQL, but is compatible with any SQL standard database. The tasks consisted of designing and developing a data warehouse to store self-entered clinical and health related data.

The second phase required designing and building a framework to integrate and upload clinical data from various electronic medical systems utilizing the standard Continuity of Care Document (CCR) definition. The data was uploaded from various EMRs in an XML format and then parsed into the database for display and analysis along with the self-entered data. The project included self-entered, clinically uploaded and eventually claims data integrated for the Medicaid claims database. This resulting Clinical Data Warehouse will be utilized by individuals, case managers, claims experts and various parties delegated by the individual.

Location: Charleston WV

Project URL: (if applicable) <http://www.healthmountaineer.com/>

Section 3.1.1.1: Insurance Industry

Previous Project: T-CHIC Project for WV Children's Health Insurance Program

Project Start Date: 10/1/2010

Date Completed: 1/31/2013

The overall aims of the state of West Virginia in this project were to improve the access to and quality of health care for children in West Virginia through the testing of the use of a new care model using community based shared care coordinators; the utilization of a web based Patient Health Record (PHR) as a communication and reporting tool between the care team, care coordinator and patient and family; and the examination of new measures to demonstrate the impact of these services on overall quality of care. West Virginia participated in a national collaboration with the states of Oregon and Alaska as part of this quality demonstration project.

A core set of measures was tested working with the other states. In West Virginia, primary care providers were recruited to test these measures while striving to become medical homes. In exchange for their participation in the testing of the proposed measures, the providers were provided support through a shared care coordinator. The care coordinator assisted with the data collection, but also worked on intervention strategies to improve the care working with each respective care team. The practices also collaborated to share best practices and lessons learned across the participating practices.

The project was part of a multi-state collaborative funded through the Children's Health Insurance Program (CHIP) to modify and pilot web-based Personal Health Record (PHR) technology originally developed under a Center for Medicare and Medicaid Services (CMS) transformation grant as a pediatric-specific case management tool.

- Integrated role-based security and C32 architecture into an open-source framework, resulting in a web-accessible toolkit available to patients, providers, and case managers.
- Adapted the PHR to accommodate data entry and self-report of draft measures to be tested in the field.
- Coordinated and integrated pediatric-specific functionality into web-based case management utility, including growth charts and head circumference measurements.
- Deployed and supported pilot solution for use within participating states.

Location: Charleston, WV

Project URL: (if applicable)

Section 3.1.1.1: Government

Previous Project: Risk Assessment (Mental Health – School Based Healthcare) Marshall University

Project Start Date: 7/1/ 2011

Date Completed: 11/31/2013

Project Description:

.NET web application with a SQL Server back end, to track student's health risks. The application is setup to collect demographics about the student, and then they are given a series of questions to answer. The questions are given a certain "risk" grade and are flagged for certain answers. If a question is flagged, at the end of the survey, the counselor is notified of the flagged questions to review with the students. The students are also to select 3 items to improve upon. When they return, the system tracks their history.

Location: Huntington, Marshall University

Project URL: (if applicable)

THE VENDOR MUST HAVE KNOWLEDGE AND TECHNICAL EXPERIENCE IN .NET WEB APPLICATIONS DEVELOPMENT. PRIOR TO AWARD, THE VENDOR MUST PROVIDE WORK OR EDUCATIONAL EXPERIENCE FOR ALL 10 SKILLSETS OUTLINED IN SECTION 3.1.2.1

Section 3.1.2.1: Relational Databases

Previous Project Experience: Pick Insider

Project Start Date: 8/1/2011

Date Completed: On-going

Project Description:

A platform to assist in the picking of greyhounds for races. Responsible for the database layout and design (SQL Server). All tables were setup with primary and foreign keys. Also responsible for extracting data from XML files, parsing, validating, and placing into a relational database. There are also extensive queries that perform multiple calculations including rankings.

Location: Cross Lanes, WV

Project URL: (if applicable) <http://pickinsider.com/#/races>

Section 3.1.2.1: Visual Studio version 2010 and or higher

Previous Project Experience: Dental Assessment (School Based Healthcare)

Project Start Date: 8/1/2011

Date Completed: 12/31/2011

Project Description:

.NET web application with a SQL Server back end, to track student's oral health. This is used to track students and different data elements that relate to oral health. It tracks each visit and the results.

Location: Huntington, WV Marshall University

Project URL: (if applicable)

Section 3.1.2.1: Writing SQL Statements

Previous Project Experience: Dealers Association reporting

Project Start Date: 1/1/2014

Date Completed: 3/31/2014

Project Description:

Developed multiple SQL Server Procedures to build dynamic queries that create a pivot report. The STUFF statement was used to allow dynamic columns, and multiple unions to incorporate a total column and row. For this particular project more than ten reports were built using different queries such as the above, and the RANK statement to group, sort and calculate totals for a dealers association.

Location: Charleston, WV

Project URL: (if applicable)

Section 3.1.2.1: C#

Previous Project Experience: Recycling Application

Project Start Date: 9/1/2012

Date Completed: Current

Project Description:

Developed a C# front end with a SQL Server back end touch screen POS application to track inventory for a recycling center. The C# hooks to a POS Printer, Cash Drawer, OCR scanner as well as a signature pad.

Location: Charleston, WV

Project URL: (if applicable)

Section 3.1.2.1: ASP.Net Web Forms

Previous Project Experience: Competitive Information System

Project Start Date: 10/1/2010

Date Completed: 12/31/2011

Project Description:

A custom, web and mapped based competitive intelligence application providing vital information for key decision makers. System aggregated, cataloged and presented data from a variety of public and private data sources to provide greater levels of industry competitor activity while simultaneously removing 160 man hours per month in manual effort spent by the organization in gathering and organizing competitive information. Integrated with ESRI GIS, Bing Maps, and SQL Server.

Location: Charleston, WV

Project URL: (if applicable)

Section 3.1.2.1: MVC3 and/or higher

Previous Project Experience: Accounts Payable approval and routing system

Project Start Date: 1/1/2012

Date Completed: 9/30/2012

Project Description:

Custom accounts payable routing and approval application. The custom web-based application fully integrated with the existing accounting software package and document imaging system, allowed for the elimination of the physical routing of invoices, which saved cycle-time and logistics costs, and reduced account classification errors by over 50% by use of an advanced logic engine.

Location: Charleston, WV

Project URL: (if applicable)

Section 3.1.2.1: Entity Framework

Previous Project Experience: Comparative Effectiveness of QI efforts among American Indian and Alaska Native Communities

Project Start Date: 9/1/2010

Date Completed: 8/31/2012

Project Description:

Populating a longitudinal database on an innovative healthcare project for the Indian Health Service (IHS) and the Agency for Healthcare Research and Quality (AHRQ). Created a sophisticated C32 parser for the IHS Resource Patient and Management System (RPMS), which retrieved and parsed C32 records, generated from the RPMS and then inserted the parsed information into a newly developed relational SQL database within the IHS infrastructure. The system used Visual Studio, C#, and the .Net Entity Framework.

The parser was designed to:

- Recursively loop through a directory of records and load them into a target repository,
- Sort files into 'archive' or 'error' directories based upon the results of the parsing routine's execution,
- Populate log files with parsing results for review.

Location: Shepherdstown, WV

Project URL: (if applicable)

Section 3.1.2.1: JavaScript

Previous Project Experience: HealthMe

Project Start Date: 3/1/2013

Date Completed: On-going

Project Description:

HealthMe is an open-source, customizable, web based health and wellness management system. While it may be integrated with an Electronic Health Record, and supports the contribution of personal health information, its main application is as a care coordination tool. As a standards-based solution, it can be adapted easily into any number of use cases and expanded to support specific care plans and scenarios. For instance, it has been implemented as a children's health care coordination tool, allowing providers operating in non-traditional care settings, such as the home, to effectively replace paper-based documentation sharing. By enabling crucial non-medical information to align with data from electronic health records, a solution is created which may best serve its target purpose.

Location: Shepherdstown, WV

Project URL: (if applicable)

Section 3.1.2.1: jQuery and jQueryUI

Previous Project Experience: HealtheMe

Project Start Date: 3/1/2013

Date Completed: On-going

Project Description:

HealtheMe is an open-source, customizable, web based health and wellness management system. While it may be integrated with an Electronic Health Record, and supports the contribution of personal health information, its main application is as a care coordination tool. As a standards-based solution, it can be adapted easily into any number of use cases and expanded to support specific care plans and scenarios. For instance, it has been implemented as a children's health care coordination tool, allowing providers operating in non-traditional care settings, such as the home, to effectively replace paper-based documentation sharing. By enabling crucial non-medical information to align with data from electronic health records, a solution is created which may best serve its target purpose.

Location: Shepherdstown, WV

Project URL: (if applicable) <http://www.krminc.com/healtheme/>

Section 3.1.2.1: HTML and CSS

Previous Project Experience: Effective Communication Tools for Healthcare Professionals (ECTHP) Web Course Enhancement – US Department of Health and Human Services (HRSA)

Project Start Date: 8/27/2010

Date Completed: 3/8/2012

Project Description:

HRSA provides a free interactive, web-based training course to improve patient-provider communication skills by increasing participants' awareness and knowledge of the main factors contributing to effective communication. Enhancements to course work material using HTML / Javascript / CSS as well as enhancement to Adobe Flash modules and animations. Integrated with a backend at Train.org using AJAX and JSON

Location: Shepherdstown, WV

Project URL: (if applicable) <https://hrsa.train.org/DesktopShell.aspx>

PROVIDE 3 SAMPLES OF WORK RELATING TO INDUSTRIES OUTLINED IN SECTION 3.1.1.1 AND UTILIZING KNOWLEDGE OUTLINED IN SECTION 3.1.2.1

Provide a brief description of Sample 1

WV DHHR / WV BMS Personal Health Record. Developed a web based personal health record/personal health record bank for the WV DHHR/Medicaid. Included design and principles obtained from VA's My HealtheVet web front end and integrated a Personal Health Record (PHR) front end for RPMS-EHR and any other CCHIT-compliant EMR. The PHR can accept multiple inputs from various standards compliant EMRs that employ either CCR or CCD extracts to populate the PHR clinical portion. This solution is open source and can be utilized to provide a patient portal to various clinical information sources as well as insurance claims and e-prescribing information sources. Established a Data Warehouse initiative to research, design, build and implement a data warehouse that would facilitate the manipulation of patient and provider data contained in clinical informatics systems that will either be self-entered by individual patients or uploaded from various electronic medical record (EMR) systems. The initial data warehouse was developed in MySQL but is compatible with any SQL standard database. The tasks consisted of designing and developing a data warehouse to store self-entered clinical and health related data.

The second phase required designing and building a framework to integrate and upload clinical data from various electronic medical systems utilizing the standard Continuity of Care Document (CCR) definition. The data was uploaded from various EMRs in an XML format and then parsed into the database for display and analysis along with the self-entered data. The project included self-entered, clinically uploaded and eventually claims data integrated for the Medicaid claims database. This resulting Clinical Data Warehouse will be utilized by individuals, case managers, claims experts and various parties delegated by the individual.

Provide a brief description of Sample 2

T-CHIC Project for WV Children's Health Insurance Program. The overall aims of the state of West Virginia in this project were to improve the access to and quality of health care for children in West Virginia through the testing of the use of a new care model using community based shared care coordinators; the utilization of a web based Patient Health Record (PHR) as a communication and reporting tool between the care team, care coordinator and patient and family; and the examination of new measures to demonstrate the impact of these services on overall quality of care. West Virginia participated in a national collaboration with the states of Oregon and Alaska as part of this quality demonstration project.

A core set of measures was tested working with the other states. In West Virginia, primary care providers were recruited to test these measures while striving to become medical homes. In exchange for their participation in the testing of the proposed measures, the providers were provided support through a shared care coordinator. The care coordinator assisted with the data collection, but also worked on intervention strategies to improve the care working with each respective care team. The practices also participated in a collaborative to share best practices and lessons learned across the participating practices.

The project was part of a multi-state collaborative funded through the Children's Health Insurance Program (CHIP), to modify and pilot web-based Personal Health Record (PHR) technology originally developed under a Center for Medicare and Medicaid Services (CMS) transformation grant as a pediatric specific case management tool.

- Integrated role-based security and C32 architecture into an open-source framework, resulting in a web-accessible toolkit available to patients, providers, and case managers.
- Adapted the PHR to accommodate data entry and self-report of draft measures to be tested in the field.
- Coordinated and integrated pediatric-specific functionality into web-based case management utility, including growth charts and head circumference measurements.

Deployed and supported pilot solution for use within participating states.

Provide a brief description of Sample 3

Risk Assessment (Mental Health – School Based Healthcare) Marshall University .NET web application with a SQL Server back end, to track student's health risks. The application is setup to collect demographics about the student, and then they are given a series of questions to answer. The questions are given a certain "risk" grade and are flagged for certain answers. If a question is flagged, at the end of the survey, the counselor is notified of the flagged questions to review with the students. The students are also to select 3 items to improve upon. When they return, the system tracks their history.

EXHIBIT B – PRICING PAGE

ITEM #	DESCRIPTION	HOURLY RATE	QUANTITY (HOURS)	EXTENDED PRICE
1	.NET WEB DEVELOPER PROGRAMMER CONTRACT COST FOR 1 YEAR	\$109.00	2288	\$249,392.00
2	.NET WEB DEVELOPER PROGRAMMER RENEWAL FOR YEAR 2	\$109.00	2288	\$249,392.00
3	.NET WEB DEVELOPER PROGRAMMER RENEWAL FOR YEAR 3	\$109.00	2288	\$249,392.00
TOTAL COST				\$748,176.08

ATTACHMENT 1 – VENDOR PREFERENCE CERTIFICATE

State of West Virginia VENDOR PREFERENCE CERTIFICATE

Certification and application* is hereby made for Preference in accordance with **West Virginia Code**, §5A-3-37. (Does not apply to construction contracts). **West Virginia Code**, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the **West Virginia Code**. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Resident Vendor Preference, if applicable.

1. Application is made for 2.5% resident vendor preference for the reason checked:

- Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; **or**,
- Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or 80% of the ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor who has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; **or**,
- Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; **or**,

2. Application is made for 2.5% resident vendor preference for the reason checked:

- Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; **or**,

3. Application is made for 2.5% resident vendor preference for the reason checked:

- Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employing a minimum of one hundred state residents who certifies that, during the life of the contract, on average at least 75% of the employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; **or**,

4. Application is made for 5% resident vendor preference for the reason checked:

- Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; **or**,

5. Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:

- Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; **or**,

6. Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:

- Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.

7. Application is made for preference as a non-resident small, women- and minority-owned business, in accordance with West Virginia Code §5A-3-59 and West Virginia Code of State Rules.

- Bidder has been or expects to be approved prior to contract award by the Purchasing Division as a certified small, women- and minority-owned business.

Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.

By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential.

Under penalty of law for false swearing (**West Virginia Code**, §61-5-3), Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.

Bidder: KRM Associates Inc.

Signed: [Signature]

Date: 4-4-14

Title: CEO

ATTACHMENT 2 – PURCHASING AFFIDAVIT

RFQ No. ISCP0049

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

MANDATE: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate, or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: KRM Associates Inc.

Authorized Signature: [Signature] Date: 4-4-14

State of West Virginia

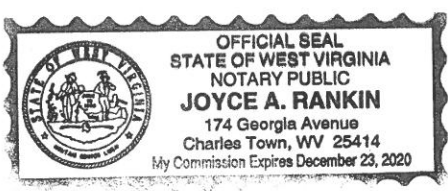
County of Jefferson, to-wit:

Taken, subscribed, and sworn to before me this 4th day of April, 2014

My Commission expires 12-23, 2020

AFFIX SEAL HERE

NOTARY PUBLIC [Signature]
Purchasing Affidavit (Revised 07/01/2012)



ATTACHMENT 3 – CERTIFICATION AND SIGNATURE PAGE

CERTIFICATION AND SIGNATURE PAGE

By signing below, I certify that I have reviewed this Solicitation in its entirety; understand the requirements, terms and conditions, and other information contained herein; that I am submitting this bid or proposal for review and consideration; that I am authorized by the bidder to execute this bid or any documents related thereto on bidder's behalf; that I am authorized to bind the bidder in a contractual relationship; and that to the best of my knowledge, the bidder has properly registered with any State agency that may require registration.

KRM Associates Inc.
(Company)

Holly S McCall
(Authorized Signature)

Holly S McCall, CEO
(Representative Name, Title)

304.876.1127, ext. 501 304.876.2969
(Phone Number) (Fax Number)

4-4-14
(Date)

ATTACHMENT 4 – ADDENDUM ACKNOWLEDGEMENT FORM – ISCP0049

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: ISCP0049

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

(Check the box next to each addendum received)

- | | |
|---|--|
| <input type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

KRM Associates Inc.
Company

Shelly Smell
Authorized Signature

4-4-14
Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.