

Ohio Department of Health Request for IT Procurement

Date:	11/07/2011
Staff Augmentation	.NET Developer /IMPACTSIIS 2.0/VTrckS Vaccine Ordering Module
Posting Reference #	DOH305175
IT Plan Number	IMPACTSIIS 2.0/VTrckS Vaccine Ordering Module
Duration:	1456 hours (ending 8/31/2012).
	This Request for Quote (RFQ) is issued pursuant to a Grant issued by CDC- to support the development/enhancement of an existing vaccine inventory tracking and ordering module within Immunization Information System (IIS). NOTE: The Grant funding ends 8/31/2012 which is two months into State Fiscal Year 2013 (7/2012 – 6/2013). There is a business need for the team to work pass the close of state fiscal year 2012 (ending 6/30/2012).
Overview:	The purpose of this project is to utilize Federal Grant 317 redirect funding to assist the Ohio Department of Health in the development and enhancement of the existing Vaccine Inventory Tracking and Ordering application within the Immunization Information System (IMPACTSIIS 2.0). Specifically, the funds will allow ODH to enhance and deploy a robust data system that is compatible with the Centers for Disease Control & Prevention (CDC) Vaccine Tracking and Ordering System (VTrckS); accommodates online vaccine ordering via the Immunization Information System (IIS); tracks Provider vaccine inventories that includes National Drug Code (NDC), LOT Number and vaccine expiration date data; strengthens vaccine accountability requirements and provides rapid shipping information for Provider tracking. The goal of this project is to increase the number of Providers submitting Vaccine for Children (VFC) accountability information online to 70% and to consolidate the information necessary for funds management and VFC accountability.
Statement of Work:	The system functionality to be developed and implemented: enhance and deploy a robust data system that is compatible with the Centers for Disease Control & Prevention (CDC) Vaccine Tracking and Ordering System (VTrckS); accommodates online vaccine ordering via the Immunization Information System (IIS); tracks Provider vaccine inventories that includes National Drug Code (NDC), LOT Number and Vaccine Expiration Date data; strengthens vaccine accountability requirements and provides rapid shipping information for Provider tracking. The goal of this project is to increase the number of Providers submitting Vaccine for Children (VFC) accountability information online to 70% and to consolidate the information necessary for funds management and VFC accountability.
Deliverables:	<ul style="list-style-type: none"> Integrate the Centers for Disease Control & Prevention (CDC) Vaccine Tracking & Ordering System (VTrckS) into the current IMPACTSIIS 2.0 Application technical infrastructure and seamlessly interfaced with the Immunization Information System (IIS), the Provider/vaccine management software application (IRMS), the Vaccine Order Windows Service Application and the IRMS Reports Web Application. Provide the ability for Vaccine for Children (VFC) Providers to enter orders directly online through Ohio's Immunization Information System (IIS), otherwise known as IMPACTSIIS 2.0. Provide the ability for Program staff to review vaccine orders online. Provide the ability for Automated error-checking for Providers which will be included to <ul style="list-style-type: none"> Insure that Providers are not able to over-order or order too often (assigned frequency). Validate medical license or other licensing credentials Determine and retain Providers hours of operation Restrict Providers from ordering vaccines that are on shortage or are no longer available via contract Validate Providers VFC profile information and accountability information as Providers request vaccine. Determine if on hand balances exceed order limits (max stock level) Make certain single entity vaccine allocations are affected by combination vaccine requests (max stock levels). Provide the ability to create spending plans (individual and statewide) Develop data exports that include National Drug Code number, Lot number, Expiration date, Provider shipping information and vaccine accountability information. Provide the ability to generate dates for each Provider order; create a unique order ID for each order and specific item(i.e., for each line in the order the value presented on the web system will be cross-references to the appropriate National Drug Code (NDC) number which will be included in the extracted VTrckS Tables). Vaccine orders will include the ability to identify a priority of that order and the reason it is flagged "priority". This is necessary at times due to vaccine shortages, product backorders, changes in contract

numbers, item recalls, etc.

Skill Sets for Staff Augmentation:

- Minimum of 36 months of experience as a .NET application developer on a minimum of two successful projects utilizing N-tier architecture, Microsoft.NET Framework (i.e., 2.0/3.5) and SQL Server.
- Minimum of 36 months experience with C# and/or Visual Basic.NET experience
- Minimum of 36 months development experience with SQL Server; minimum of 24 months experience with SQL2005 and SQL2008.
- Minimum of 36 months of ASP.NET, HTML, XML, JavaScript, ADO.NET, experience; minimum of 24 months experience utilizing .NET 2.0/3.0 and AJAX.
- Minimum of 24 months of experience with Visual Studio 2008 Team System and Team System testing.
- Minimum of 24 months of experience with SQL Server Reporting Services and SQL Server Integration Services
- Good task organization skills; this work requires attention to detail in meeting tight deadlines and understanding priorities
- General knowledge of Health care-related terminology is a plus

Skills Set - Preferred:

- Experience as an application developer on a minimum of two successful implementations with health-related software.
- Microsoft Certified Application Developer (MCAD) for Microsoft.NET and/or Microsoft Certified Professional Developer (MCPD).
- Minimum 12 months experience with of HL7 and/or Public Health Information Network (PHIN) standards.
- Minimum 12 months experience with distributed applications development - Web Services, Message Queuing, .NET remoting, etc.

1. Current Technical Infrastructure for the existing applications:

IIS Web Application - Technologies

- Presentation Layer :
 - ASP.NET 3.5 Web Forms
 - HTML, Javascript, JQuery, CSS, AJAX, LINQ
 - SQL Server Reporting Services
- Business Layer :
 - CSLA.NET 3.5 Business Objects
 - CSLA .NET Framework
- Data Access Layer:
 - ADO.NET using CSLA Data Portal
- Database: SQL Server 2005

IRMS software application:

- A COTS product by UPP Technology Systems

IRMS Reports:

- A small web application used by the Warehouse Manager to import data from Excel for vaccine orders creation.
- ASP.NET 2.0 Web Forms, C#, SQL Server Reporting Services, SQL Server 2005 database.

VACMAN software application

- A FoxPro application provided by CDC used to create vaccine orders to send to CDC/McKesson.

Vaccine Order Service

- A windows service written in C#
- Reads shipment information from the VACMAN System and creates vaccine Lots records in the IIS System and updates shipment details and order statuses in the IRMS databases.
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Important Vendor Requirement Information

- Questions and inquires should be submitted through the State of Ohio Procurement Site per identified time-period. No telephone calls or email permitted.

To be considered for this IT Procurement Opportunity, Ohio Department of Health is requesting that:

1. Vendors submit electronic copies to barbara.richardson@odh.ohio.gov by **Deadline Date: Wednesday, November 23, 2011 at 4:00 PM.**
2. Please place in the submit line of the email the wording: **“.Net Developer – DOH305175”**

3. One Proposed Candidate Resume with identified experience/skills required to be considered for this opportunity
4. Individual Quote on your company's letterhead must include:
 - (a) State Term Schedule (STS) Number;
 - (b) Breakdown of costs to include hours X hourly rate = total cost

This is an Example Only			
Position	Hours	Hourly Rate	Cost
.Net Developer	1456 hrs X	\$00.00	\$00.00

5. An electronic copy of your current Affirmative Action Verification letter.
 (See Example 5A) This is available from the Equality Opportunity Division (EOD) web site:
<http://eodreporting.oit.ohio.gov/searchAffirmativeAction.aspx>

NOTE: If bid does not contain all requirements identified in this request, it will be considered non-responsive.

IMPORTANT: Vendor Interview Details

- Interviews for this staff augmentation opportunity will be conducted onsite at Ohio Department of Health.
- Office of Management Information Systems staff will notify the top three (3) selected vendors during business hours to identify date and time of interviews.
- Selected Vendor candidates will need to bring their current resume to this interview.
- Location: 246 North High Street, Columbus, Ohio 43215

Example 5A: Affirmative Action Verification letter (must be placed in Adobe Acrobat PDF format)

