



California Department of Public Health
April 5, 2013

Request for Information
RFI No. 2013-1
Information Technology Services Division
VAGen Conversion to IBM Rational (VCR)

To: ALL INTERESTED PARTIES

I. INTRODUCTION:

The California Department of Public Health (CDPH) requests an estimate of the cost and timeline to provide development, implementation, and installation services for the conversion of the IBM VisualAge® Generator (VAGen) application development environment to the IBM Rational Suite Applications of Rational Business Developer (RBD), Rational Team Concert (RTC), and Rational Functional Tester (RFT).

Any information provided by vendors will be considered non-binding and will be kept confidential. CDPH may request follow-up information. CDPH would conduct a procurement to establish a contract for conversion and implementation of the system when a VCR project is approved and the funding requirements identified.

II. PROPOSE:

The primary use of the information will be to prepare a budget and timeline for the project effort. CDPH is seeking cost and time estimates so that we can determine whether or not project approval can be obtained under CDPH's delegated authority. CDPH needs realistic estimates because these will be used to determine how much money for how long needs to be set aside for this effort. The timeline provided should cover the code conversion, configuration, installation, testing, implementation and training including knowledge transfer from contractor staff to State staff. CDPH has prepared an initial list of deliverables which are included in this document under section V "Expected Deliverables" that we foresee being required in a future contract.

CDPH is releasing this Request for Information (RFI) to receive vendor input regarding the conversion and migration of VAGen source code to Rational EGL; installation, configuration, and interface of Rational suite applications with Windows Server, Mainframe Platform and client workstations for the Integrated Statewide Information System (ISIS) housed within the California Technology Agency (CTA) application hosting environment.

III. TIMELINE

Below is the projected timeline to complete the RFI process from beginning to end.

Date	Event
April 5, 2013	Release RFI
April 17, 2013 3:00 p.m. PST	Deadline to submit questions
April 24, 2013	Provide responses to questions
May 3, 2013 3:00 p.m. PST	RFI responses due to CDPH

IV. BACKGROUND

The information management system, ISIS was developed in the early 1990's as an online mainframe system using a DB2 relational database and was fully implemented statewide in 1996. ISIS handles 2.6 million online transactions daily, with a 0.04 second average response time as it is used at the eighty-four (84) Local Agencies to provide services to approximately 1.5 million participants per month at over 650 clinic sites throughout the state. It is heavily used by the local agency staff during the program participant certification process to document the demographic, anthropometric, biochemical, and nutrition indicators information for program eligibility. ISIS also has appointment scheduling and applicant screening modules which is used for managing the type and flow of participants through all clinic sites. After the completion of certification process, ISIS also handles the food prescription process by issuing a set of 3 to 5 Food Instruments (FI) per participant; each FI includes a list of 4 to 6 food items in most cases and then FI are printed for each participant in the family, resulting in approximately 5 million printed FIs per monthly. Files containing FI serial numbers from ISIS are created and transferred nightly to the California State Treasurer's Office (STO). The STO also receives electronic image replacement documents or batches of physical FIs from the retail food stores' presenting banks. The STO runs a series of edits using both sets of files to determine which FIs to pay and which FIs to reject. Files containing the paid and reject information are electronically transferred back to ISIS to record the proper food instrument status.

V. ISIS TECHNICAL SPECIFICATION: Attachment - 3 provides the ISIS's specifications and additional information on the ancillary systems to the ISIS is provided on the Attachment – 4. Development, testing, configuration, and implementation of the RBD, RTC, and RFT will consist of the following technical components.

1. Operating System –Mainframe and Windows Server 2003
2. Data Management System – SQL and DB2
3. Client Server – Windows 7

VI. EXPECTED DELIVERABLES

A major cost item of any project is the cost of the tasks and deliverables that must be produced as the project proceeds. If CDPH procures and establishes a contract, that contract would include a series of deliverables that the selected contractor must produce and submit to CDPH. The contract would be a deliverables based contract where the state would make payments to the contractor upon completion and state acceptance of those deliverables. The list of deliverables and associated costs would be stated in the contract and would be the basis for vendor invoices.

For cost estimating purposes, CDPH has prepared an initial list of tasks and deliverables that we foresee being required in a future contract on the Attachment – 1 “Expected Deliverables.” This list is based on our experience with other projects. Vendors are welcome to recommend changes to this process which may or may not be accepted by CDPH. For purposes of estimating costs and duration, CDPH expects the following deliverables to be required in a possible system conversion contract:

VII. SYSTEM REQUIREMENTS:

The vendor would be expected to perform all tasks needed to analyze the existing business process, understand and confirm CDPH’s business and technical requirements and configure the Rational suite applications with the business workflow and business rules that satisfies CDPH's requirements. State program staff would be made available as needed to provide input to the vendor team.

VIII. CONTRACTOR QUESTIONS:

Contractor must notify the CDPH by specified due date if clarification is needed regarding the RFI. Contractor must submit their inquiry by email to the CDPH as instructed below.

- a. What to Include in an Inquiry
 - i) Include in heading of the email name of project and “Questions”, (i.e. VCR – Questions).
 - ii) Contractor name, name of firm, telephone number, fax number, e-mail address, and RFI number.
 - iii) A description of the subject or issue in question or discrepancy found.
 - iv) RFI section, page number or other information useful in identifying the specific problem or issue in question.

v) Remedy sought, if any.

b. Question Submission

The CDPH will accept e-mail inquiries only. These must be received no later than the Question Due Date indicated in the RFI. At its discretion, the CDPH may contact an inquirer to seek clarification of any inquiry received. Email questions to Livleen Parmar at Livleen.Parmar@cdph.ca.gov , on or before 3:00pm PST on April 17, 2013, the date to submit questions.

IX. RESPONDING TO THE RFI:

A. VENDOR INFORMATION

Question	Response
What is your company name or Doing Business As (DBA)?	
What is your company address?	
Do you have a company web page? If yes, please include the URL or website address.	
Please provide the contact information for those that are responsible for submitting a response to this RFI.	Name: Telephone: () Email: Title: Name: Telephone: () Email: Title:

B. DETAIL RESPONSE:

- Adhere to the deliverables listed on Attachment – 1 “Expected Deliverables” of this document; please complete the Attachment -2 “Cost and Duration Estimate Sheet” for each deliverable.
- Vendor’s recommendations to this process, if any.
- Vendor’s assumptions used to develop the time and cost estimates.

X. CONTACT INFORMATION

Please submit your response by mail on or before May 3, 2013 to the below address:

Mailing Address:

California Dept. of Public Health
Information Technology Services Division
Public Health Application Technology Section (PHATS)

Attn: Livleen Parmar
1615 Capitol Avenue, Room # 73.335
MS 6600, P.O. Box 997377
Sacramento, CA 95899-7377

If you prefer electronic delivery, please email your response to Livleen Parmar at Livleen.parmar@cdph.ca.gov , on or before May 3, 2013.

XI. CONFIDENTIALITY

All information included in this RFI is confidential and only for the recipient's knowledge. No information included in this document or in discussions connected to it may be disclosed to another party.

XII. DISCLAIMER:

This is an informal request not to be construed as a formal solicitation for offers or proposals and in no way constitutes a commitment by the State of California to award a contract.

Responders are solely responsible for all expenses associated with responding to this RFI.

XIII. SPECIAL PROVISIONS

The information and comments provided by Respondents will be used to determine what further steps the CDPH will take in connection with the VCR project. Those steps could include, but are not necessarily limited to: issuance of a Request for offer, or discussions with one or more prospective vendors or service providers. The submittal of a response to this RFI does not guarantee use of the information.

Attachment – 1 **Deliverables**

The following are the general tasks that CDPH foresees being required in a future contract.

1. Detailed Project Plan (Deliverable #1)

Submit a comprehensive project work plan within 10 business days of the start of the engagement, detailing major tasks, milestones, with anticipated start and end dates. This includes a detailed project schedule in Microsoft Project. During development of the Detailed Project Plan, contractor would work with the State's project manager and IT program lead to identify the vendor deliverables for which the vendor would prepare and submit Deliverable Expectation Documents for CDPH approval before the vendor begins work on those deliverables. Vendor would assign a project manager who would work collaboratively with the CDPH project manager to follow State-established practices for scheduling, cost management, issue, risk, scope and change management, and other project management processes. The Project Plan should include proposals for duration of code freezes and protocols for handling exceptions in which urgent application code changes must be completed in the middle of a code freeze.

2. Software Application Requirements Setup & Configuration (Deliverable #2):

Perform and assist with all business rules and requirement for all three Rational Suite applications as listed below:

a) RBD:

- Perform and assist State staff in installing and configuring the product on Windows 7 workstations.
- Perform and assist State staff in installing and configuring Rational COBOL Runtime Services for zSeries on the mainframe.
- Ensure RBD functions with DB2 version (v) 9.1 or later running on a Z/OS v1.13 mainframe platform so that developers can utilize the integrated test facility.
- Ensure RBD interfaces with RTC to allow code check-out and check-in.
- Ensure RBD interfaces with the mainframe to allow generation of executables for the mainframe. The targeted runtime environment is CICS/TS 4.1 and DB2 v 9.1 or later.
- Verify that Rational EGL code compiled for CICS COBOL executes correctly on the mainframe environment of CICS/TS 4.1 utilizing DB2 v 9.1 or later as the primary data source.

b) RTC:

- Perform and assist State staff in installing and configuring server components on virtual servers running Windows Server 2003.¹
- Perform and assist State staff in installing and configuring workstation components on personal computers running Windows 7.
- Migrate the converted EGL source code for the ISIS application into RTC.
- Ensure RTC configured to support two change management methodologies.
 - Methodology 1 - manage executables in order to deploy changes.
 - Methodology 2 – perform builds in order to deploy changes.
- Verify migration of source code changes done via management of executables and/or builds of executables work correctly.

c) RFT:

- Perform and assist State staff in installing and configuring the product on personal computers running Windows 7.
- Develop testing scripts and train CDPH-IT staff in creating testing scripts for mainframe green screen applications.

3. Code Conversion (Deliverable #3):

Perform the code conversion from VAGen to Rational EGL.

4. Testing (Deliverable #4):

Contractor will work collaboratively with CDPH staff to perform system integration and testing to ensure proper functionality and performance of the system including developing test scripts and performing regression testing. Contractor must perform QA and validation to ensure that Rational EGL code can generate COBOL and successfully run on the mainframe environment.

5. Training and Mentoring (Deliverable #5):

The contractor will provide hands on experience with a formal training to the CDPH-IT staff so that staff will be able to independently perform the task after completing the training on the following:

- Using RBD and writing Rational EGL code
- Developing scripts that will allow RTC to interface with the mainframe running Z/OS v1.13 to handle code promotion from/to various CICS test and production region.
- Developing and implementing Regression testing methodologies.

¹ Server version could change based on the State protocol.

- Creating testing scripts in RFT for mainframe green screen applications.

6. User Materials (Deliverable #6):

The materials and documents support contractor's training of CDPH business and technical staff on the operation and support of the application. These materials would also be used as ongoing reference material by the current and new CDPH staff in the future as they operate the application.

- Technical documentation with detail system and files configuration, versioning standards, and step-by-step instructions on performing enhancement and bug fixes needed for on-going maintenance and to support the Rational environment.
- Testing report show that the system has successfully passed all tests.
- Knowledge Transfer Acceptance Report – Document successful completion of technical and system knowledge transfer from contractor staff to CDPH-IT staff.

7. Project Status Reports (Deliverable #7):

The Contractor shall provide the CDPH-IT Project Manager and management a bi-weekly Project Status Report that clearly outlines progress for the prior two (2) weeks. The Status Report shall include:

- Task accomplishments
- Percent of completion of project deliverables
- Identification of barriers, problems or concerns (if any) and planned remedies or solutions
- Activities planned for the next reporting period
- Other relevant information to assist in monitoring the project's progress
- Identification of risks that compromise project deliverables and/or project timeline
- Expenditures Report to date.

8. Required Meetings (Deliverable #8):

a) Orientation

The Contractor's project manager and technical lead consultant(s) shall be required to meet with CDPH-IT staff for orientation.

b) Project Team Meetings

The Contractor's project manager and lead consultant(s) shall be required to attend all project team meetings in person or via video conferencing or conference call. Project team meetings will be a bi-week unless otherwise agreed to by the State and the Contractor based on the business needs.

Attachment - 2
Cost and Duration Estimate Sheet

Note: Pricing shall include labor, materials, supplies, travel costs, all applicable taxes, and any other cost incurred to provide the specified services for each deliverable, list the related hourly rate, estimated hours, and total cost.

Deliverable	Hourly Rate	Est. Hours	Total \$\$
1. Detailed Project Plan (Deliverable #1)			
2. Software Application Requirements Setup & Configuration (Deliverable #2)			
3. Code Conversion (Deliverable #3)			
4. Testing (Deliverable #4)			
5. Training and Mentoring (Deliverable #5)			
6. User Materials (Deliverable #6)			
7. Project Status Reports (Deliverable #7)			
8. Required Meetings (Deliverable #8)			

Attachment - 3

Technical Specification

ISIS Technical Specifications & Components

The ISIS system, ISIS data, and reporting data are centralized at the California Technology Agency (CTA) and consist of the following components:

a) ISIS Application Specification and Environment

- Centralized on CTA z/OS v1.13 mainframe in Vacaville
- Online real time system supported by daily, weekly, and monthly batch jobs
- IBM's Visual Age Generator
 - 4GL Development Tool
 - Generates COBOL/CICS executable code
- COBOL Batch Jobs; JCL
- Total Number of Visual Age Applications: 1054
- Number of Visual Age Applications with Display Maps: 540
- Number of Visual Age Applications with Printable Maps: 6
- Number of Visual Age Applications with DB2 access: 374
- Number of Visual Age Tables: 180
- Number of Visual Age Envy Applications/Projects: 222
- Visual Age Generator version: 5.0

b) ISIS Database/Environment

- Relational Database – IBM DB2 for z/OS V9R1M0
- IBM z/OS v1.13; JES2
- IBM CICS Transaction Server for z/OS V4.1
- 206 DB2 tables
 - billion records
- Database file size = 380 gigabytes (Use of DB2 Data Compression where appropriate)

c) Non- ISIS Database (dependent on ISIS)

- Relational Database – IBM DB2 for z/OS V9R1M0
- Operating System - IBM z/OS v1.13
- 200 tables in the production database
- 1.053 billion records
- Database file size = 240 gigabytes (Significant use of DB2 Data Compression)

d) ISIS TCP/IP Network Including Hardware

- Thin Clients – Windows CE Operating System with the ICA client and tn3270

- PC or Laptop with NIC, TCP/IP, 3270 emulation
- Dot matrix printers – Lexmark 2390, Memorex 1330, Talley Genicom T2265
- Local Agencies connect to ISIS via dedicated T1/T3 data circuits installed and maintained by CTA.
- Remote clinics connect to agency hub WAN (dial-up, VPN, Intranet, etc.)
- Print Server – Any Ethernet print server that supports LPR printing

Attachment - 4

Ancillary Systems to ISIS

WIC Information Exchange (WIX)

The system allows Local Agencies throughout the State to securely access the California Technology Agency (CTA) and their data for caseload, participation, appointment, and outreach purposes. It also creates a secure repository for source code and reports.

- Provides a secure, single-point access to WIC Local Agencies and other business partners
- There are approximately 325 WIX users
- Applications available to authorized users logged in to the WIC Extranet are:
 - Business Objects standardized “canned” and adhoc reporting environments
 - Custom Applications: Autodial; ISIS News

Vendor WIC Information Exchange (VWIX)

The Vendor WIC Information Exchange (V-WIX) web-based system allows WIC Authorized Vendors the ability to securely transmit (via FTP, Web or other identified method) Food Instrument (FI) serial numbers that WIC participants have exchanged at the vendor location prior to the vendor depositing the physical FIs in their local bank. Vendors also have the ability to run reports on their transmissions and FI status as well as view and download their appropriate Maximum Allowable Rates to help set shelf prices.

- VWIX is fully operational for all active WIC Vendors (approximately 2,212 Contracts, 5,211 Vendors).
- There are approximately 4800 VWIX users located throughout the state of California.
- Vendors must submit their check numbers through VWIX in order to receive payment for their 4.5 million checks per month.