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Purchasing Services

**PROPOSAL #P06-062**

**Data Extraction, Analysis and Monitoring System**

**ADDENDUM NO. 1**

**May 23, 2006**

**The University of Medicine and Dentistry of New Jersey is seeking vendors to submit bids for DATA EXTRACTION, ANALYSIS AND MONITORING SYSTEM, scheduled to open on JUNE 6, 2006 at 2:00pm.**

**Answers to Questions from the Mandatory Prebid Conference on May 17, 2006.**

1. **Question:** Page 4 Section 1.2.4 - If it is a web based application do you need to interface with the CITRIX system?

**Answer:** The Contractor's system must have the ability to interface with the Citrix system.

2. **Question:** Page 10 Section 2.0 - What EMPI system is deployed?

**Answer:** The system is not exactly deployed. It is a HL7 Interface system.

3. **Question:** Page 12 Section 3.1.1 - Please state the need for the statistical sampling requirements and the reasons for doing these samples?

**Answer:** The need is to stratify a particular database to meet the standard requirements for the University's outside auditors.

4. **Question:** Page 12 Section 3.1.2 - What type of platforms are Banner, Epic, IDX and Healthquest on?

**Answer:** Banner & Epic are on an AIX platform. Healthquest is on an IBM ES 9000 Operating System. For more details please refer to attachment A, UMDNJ Banner Architecture.

5. **Question:** Will the contractor receive a description of the interface or is it the responsibility of the contractor to learn the interface system?

**Answer:** It depends on the department requirements if a interface or export import system is required. The bidder should present the types of tools it offers to accept or extract interface information.

6. **Question:** Are Banner and EPIC running on a AIX system?

**Answer:** EPIC is running on a SUN 500 SOLARIS System. The University wide reporting database is running on Oracle Database. For more details please refer to attachment A, UMDNJ Banner Architecture.

7. **Question:** The ES 9000, what databases are being used?

**Answer:** The database is called VSAM.

8. **Question:** Could we get clarification on all the databases for UMDNJ?

**Answer:** Please refer to attachment A, UMDNJ Banner Architecture.

9. **Question:** What Fraud analysis functions and capabilities need to be implemented? Please provide more detail requirements or the outputs you are looking for in the system.

**Answer:** We are not looking for fraud analysis functions. The University is looking for a tool to specifically access the data and data analytics. The University will generate its own reports from the extracted data.

10. **Question:** What kind of reports are required-two-dimensional reports, or multi-dimensional OLAP analysis?

**Answer:** The reports can be both and vary from different types. The University is not limited to a specific type.

11. **Question:** Do you expect a data warehouse architecture or transactional database architecture, or is it at the discretion of a vendor?

**Answer:** The University will eventually move to data warehousing and the system should be able to handle the move.

12. **Question:** With all these different systems, are you going to be able to get the data you require?

**Answer:** The University is looking for a system to extract the data however possible to pull the information. The vendor should communicate the types of tools, flexibility to import the data extraction from standalone and disparate systems it has.

13. **Question:** Will the data download from the databases be on demand, on a nightly schedule, multiple schedule or in a batch mode according to a predefined schedule?

**Answer:** It could be on demand or continuous monitoring according to a predefined schedule.

14. **Question:** Page 12 Section 3.1.4 - Please explain the meaning of dynamic source data changes?

**Answer:** Extracted data is subject to be different within cycles. The system would need to identify these changes and allow for changes from the data extracted.

15. **Question:** Do you want to store anything that you extract?

**Answer:** Yes, we will want to store some extracted data.

16. **Question:** Would you run the same data or the updated data?

**Answer:** We would run the updated data, using the same series of test.

17. **Question:** How sophisticated will the data extraction reports be, what type of reports will they be?

**Answer:** UMDNJ is looking for the bidders data extraction capabilities.

18. **Question:** What are the types of licenses required?

**Answer:** The contractor will determine the types of licenses required.

19. **Question:** What type of Oracle system does the University have?

**Answer:** Please refer to attachment A, UMDNJ Banner Architecture.

20. **Question:** What current licenses does the University have?

**Answer:** Please refer to attachment A, UMDNJ Banner Architecture.

21. **Question:** Page 12 Section 3.1.5 – Will there be any other types of data extractions from different systems not mentioned?

**Answer:** Yes, there could other different systems.

22. **Question:** Do you have any other relational databases besides the ones stated in the RFP, which will require data extraction?

**Answer:** Yes, there are various systems besides the ones mentioned in the RFP and any future system purchases. Please refer to attachment A for more detail, UMDNJ Banner Architecture.

23. **Question:** Page 12 Section 3.1.6.2 – Please provide clarification for section 3.1.6.2, Provide an export to MS Word, Excel, and other products directly from the report display, while retaining formatting with the export?

**Answer:** This is a requirement for the export of how the data will be formatted and seen. There can be other formats for the export.

24. **Question** Page 12 Section 3.1.1 - What do you mean by “Testing of Controls”; please provide the requirements for the system related to this function?

**Answer:** When data is being extracted from the system we are testing to see if the particular area is controlling it. Verifying if the data extracted is in accordance with University policy.

25. **Question:** Do you want all the required forms in one particular section?

**Answer:** All required forms should be in Section 1 as stated in section 5.5 of the RFP.

26. **Question:** Page 26 Section 5.6.1.6 – Are you looking for a security system and access system?

**Answer:** Yes

27. **Question:** Do you currently have a tool that supports transactional testing or data analytics?

**Answer:** No

28. **Question:** Page 26 Section 5.6.1.9 - Please provide clarification for section 5.6.1.9, The bidder’s system documentation must describe how the existence of firewalls might change the system security architecture?

**Answer:** Each system within the University has firewalls within firewalls, which will cause difficulty in accessing data through firewalls. The bidders proposal should address the concern of firewalls.

29. **Question:** Is there a particular expected timetable or deadlines for implementation of system?

**Answer:** Refer to section 5.6.4 Implementation Plan

30. **Question:** What would be a successful implementation plan?

**Answer:** Ability to do continuous accurate reporting and monitoring by the UMDNJ.

31. **Question:** Will there be a certain amount of personal to use the access system?

**Answer:** Refer to section 7.0 Price Sheet and Supporting Detail

32. **Question:** How will you evaluate the success going forward after the implementation?

**Answer:** Based on what we see after a period of time and if we are getting the required data.

33. **Question:** Page 33 Section 7.0 Price Sheet and Supporting Detail – Is this the format that you would like the bidders to use?

**Answer:** Yes

34. **Question:** Page 33 Section 7.0 Price Sheet and Supporting Detail – Should any third party software be included in the price?

**Answer:** Proposed price should be all inclusive.

35. **Question:** Are there any samples of previous RFP's that we can look at?

**Answer:** No, this is the first time this service is being contracted.

#### **Questions E-mailed and Faxed**

36. **Question:** What are data abstracts?

**Answer:** Correction, it should read data extract. Data extract is the extracted or pulled data from the database.

37. **Question:** What EMPI system is deployed?

**Answer:** See answer to question # 2.

38. **Question:** What Fraud analysis functions and capabilities need to be implemented? Please provide more detail requirements or the outputs you are looking for in the system.

- Answer:** See answer for question # 9.
39. **Question:** More details are required for the statistical sampling functions need in the system?
- Answer:** See answer to question # 9.
40. **Question:** More details on the reports' content and formats?
- Answer:** See answer to question # 9.
41. **Question:** What do you mean by "Testing of Controls"; please provide the requirements for the system related to this function?
- Answer:** See answer to question # 24.
42. **Question:** Are you looking for an off the shelf product that can perform the functions or do you want a product to be developed?
- Answer:** See answer to question # 12.
43. **Question:** If the product is to be developed, are there a set of requirements for the features and capabilities. Example, there are reference to reports, one would need to know the content and format of the reports?
- Answer:** Please see section 3.0 Scope of Work of RFP for requirements. Reports will be developed by the data extracted, as needed by the Internal Audit department.
44. **Question:** Will need have more information on the specific set of data to be retrieved?
- Answer:** The data will be extracted from the five systems noted in addition to any disparate systems. Data would include, but not limited to, clinical, hospital(patient), H/R, Payroll, Finance, and any undefined data that may be required in the future?
45. **Question:** Is HL7 going to be used to monitor all data feeds from the systems specified in the RFP. If not what is the format and protocol for retrieving data from the systems?
- Answer:** No, HL7 is a communication healthcare protocol tool for transferring data. The second part of the question, refer to page 12, section 3.1.5 .

46. **Question:** What kind of reports are required-two-dimensional reports, or multi-dimensional OLAP analysis?

**Answer:** See answer to question # 10.

47. **Question:** Is the full list of reports available?

**Answer:** No, we cannot anticipate the reports we will need. Reports need to be developed as needed.

48. **Question:** Is there currently any existing relational database that contains data, or it will be only the data from the five medical systems: IDX, HealthQuest, Logician, Banner and Epic?

**Answer.** There could be others that will need to be accessed.

49. **Question:** Do you expect a data warehouse architecture or transactional database architecture, or is it at the discretion of a vendor?

**Answer:** See answer to question # 11.

50. **Question:** What format of export is required? Shall export to MS word be made in .doc or .rtf format? Shall export to MS Excel be made in .xls or .csv format? Is there any other format that shall be supported?

**Answer:** Yes, both formats for Word and Excel export. There can be other formats also.

51. **Question:** Is data dictionary containing description of all data available, or should it be created as part of the project?

**Answer:** Yes, a data dictionary is now available.

52. **Question:** What reports distribution functionality is required?

**Answer:** See answer to question # 9.

53. **Question:** Will download from IDX, HealthQuest, Logician, Banner and Epic be performed on demand or in batch mode according to predefined schedule?

**Answer:** See answer to question # 13.

54. **ADD:**

Attachment A, UMDNJ Banner Architecture

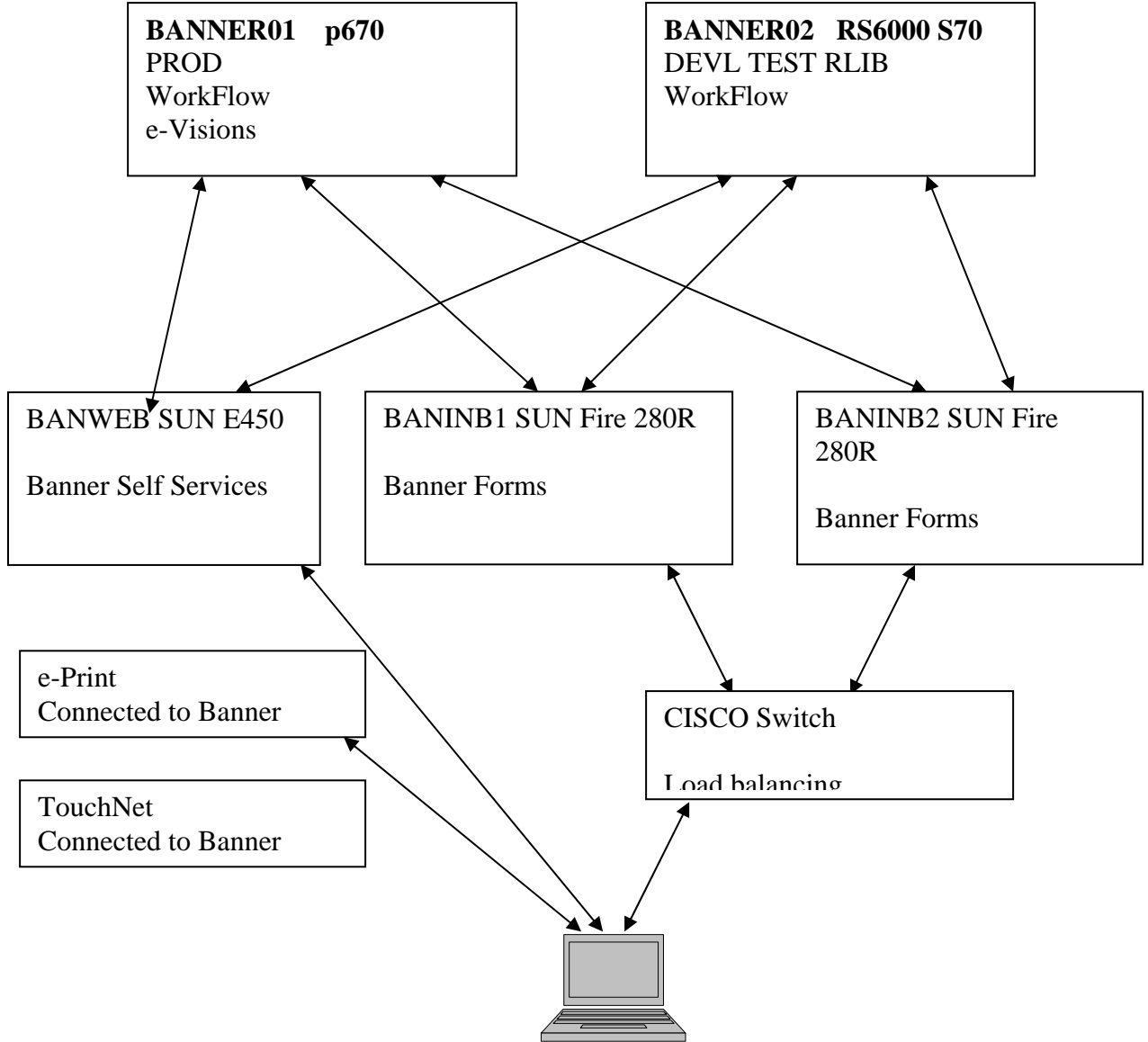
## **Attachment A**

### **UMDNJ Banner Architecture**

#### **Environment Architecture Information**

- A.** The Environment Architecture
- B.** Hardware Configuration
- C.** Software Configuration
- D.** Banner Release Information

*A. The Environment Architecture*



**B. Hardware Configuration**

**Hardware Configuration 04/17/2006**

Server Name	<b>Banner01</b>	<b>Banner02</b>
Model	IBM 7040 p670	IBM RS6000 S70 7017
Ser #	029142A	92510
# of processors	10 – 1.1 GHz	12 - 262 MHz
Memory	6.5 GB	8 GB
DASD	FastT 16x72GB EMC 3830	EMC 3830
Tape	8mm	3575 MagStar
IP Address	130.219.13.120	130.219.31.132
HMC IP address	130.219.13.124	
IBM customer #	74751-84	64372-67

Server Name	<b>Banweb</b>	<b>Baninb1</b>	<b>Baninb2</b>
Model	SUN E450	SUN Fire 280R	SUN Fire 280R
Ser #	051V00C9	241C5F62	242C506B
# of processors	4 x 480 MHz	2 x 900MHz	2 x 900MHz
Memory	4 GB	4 GB	4 GB
DASD	4 x 36 GB	2 x 73 GB	2 x 73 GB
Tape	35G DLT7000		
IP Address	130.219.31.121	130.219.31.203	130.219.31.12
RSC		130.219.13.166	130.219.13.167
SUN customer #		31420863 pin-5617	

*C. Software Configuration*

**UMDNJ SYSTEM SOFTWARE**

<b>SOFTWARE VENDOR</b>	<b>PRODUCT</b>	<b>VERSION</b>	<b>DESCRIPTION</b>
IBM / RS6000 – S70 p670	AIX	5.2 ML 4	Operating System
IBM / RS6000 – S70, p670	C compiler	6.0	C Compiler
IBM	Performance Tools Box		AIX monitoring tool
EMC	WideSky Solution Enabler	5.2	SYM Command Line Interface
EMC	TimeFinder, CLI	4.3.1	DISK manager
EMC	Power Path	3.0.4	Multi pathing
MICRO FOCUS COBOL	Server Express Application server for SE	2.0.11 / 32bit	Server Express Application server for SE
BRIO Technology	SQR RS/6000	8.0.2	Report Writer
ORACLE	Oracle Database Enterprise Edition (ODEE)	9.2.0.5	Database Server
ORACLE	DEVELOPER/2000	9i	Forms 9i
ORACLE	9iAS	9.0.4.2	Application Server on SUN
ORACLE	9iAS	9.0.4	Application Server on AIX
SUN	Solaris	9	Operating system
SCT	BANNER	7.x	
RedHat	LINUX Enterprise WS	2.1	Operating system
SCT	E-Print	3.0-1	Report viewing
SCT	WorkFlow for AIX	4.1.2	Work tracking
IBM	Tivoli TSM	5.2.2.3	Storage Manager
WRK/GRP The Workstation Group	UNI-XEDIT	2.02a	Unix Full Screen Editor
AppWorx	AppWorx	6.0	Job management

*D. Banner Release Information*

**BANNER INSTANCES/CURRENT SYSTEM REVISIONS**

<b>MODULE</b>	<b>SEED S70 Banner02</b>	<b>TEST S70 10/26/05</b>	<b>DEVL S70 11/02/05</b>	<b>PROD p670 Banner01</b>
General	7.2	7.1	7.2	7.2
A/R	7.2	7.1	7.2	7.2
FinAid	7.4.1	7.3	7.4.1	7.4.1
Finance	7.1	7.1	7.1	7.1
HR	7.1.3	7.1.3	7.1.3	7.1.3
Posn Control	7.2	7.1	7.2	7.2
Student	7.2	7.1	7.2	7.2
Integration component	7.1	7.0	7.1	7.1
WEB Tailor	7.2	7.1	7.2	7.2
Employee Self-service	7.2	7.1	7.2	7.2
Student Self-service	7.2	7.1	7.2	7.2
Finance Self-service	7.1	7.1	7.1	7.1
General Self-service	7.2	7.1	7.2	7.2
Faculty Self-service	7.2	7.1	7.2	7.2
Oracle Enterprise Ed	9.2.0.5	9.2.0.5	9.2.0.5	9.2.0.5
Oracle 9iAS Rel 2 /AIX				9.0.4.1
Oracle 10g AS Baninb		9.0.4.2	9.0.4.2	9.0.4.2
Oracle 10gAS for BANWEB		9.0.4	9.0.4.1	9.0.4.1
Workflow		4.1.2	4.1.2	4.1.2
AIX	5.2 ML4			5.2 ML4

**BIDDERS MUST RETURN THE ENTIRE COMPLETED PROPOSAL RESPONSE INCLUDING ALL FORMS COMPLETED AND NO QUALIFYING STATEMENTS OR EXCEPTIONS WILL BE ACCEPTED.**

**Please contact Edwing Canaca at (732) 235-9040 if you have any Questions regarding this addendum.**

**ALL OTHER TERMS AND CONDITIONS OF THE ORIGINAL SPECIFICATIONS REMAINS UNCHANGED.**

**END OF ADDENDUM.**