

**ADDENDUM NO. 1  
TO  
REQUEST FOR PROPOSAL FOR  
ONLINE ANALYTICAL PROCESSING/BUSINESS INTELLIGENCE  
SYSTEM**

**RFP NUMBER: 100-DD04  
FOR  
THE SCHOOL BOARD OF MIAMI-DADE COUNTY, FLORIDA**

**PURPOSE OF ADDENDUM**

1. This Addendum has been prepared to provide responses to questions submitted to the District

If additional addenda are issued to this RFP, a good faith attempt will be made to deliver a copy of each to those persons or firms who, according to the records of Procurement Management Services, have previously received a copy of this RFP. However, prior to submitting the proposal, it shall be the responsibility of each Proposer to check the website at <http://procurement.dadeschools.net/bidsol.htm> to determine if additional addenda were issued and, if so, to obtain such addenda for attachment to the proposal.

Questions for RFP #100-DD04: Online Analytical Processing / Business Intelligence System

1. Who are your targeted end users? **All district administrators and educators.** Is it an objective of the district to have each teacher in the district using the OLAP/BI tool to inform instruction and drive school improvement? **Yes.**

Please indicate which end-users will be using the OLAP/BI tool.

<input checked="" type="checkbox"/> District Administrators	<input checked="" type="checkbox"/> <b>Daily</b>	<input type="checkbox"/> Weekly	<input type="checkbox"/> Monthly	<input type="checkbox"/> Other _____
<input checked="" type="checkbox"/> Counselors	<input checked="" type="checkbox"/> <b>Daily</b>	<input type="checkbox"/> Weekly	<input type="checkbox"/> Monthly	<input type="checkbox"/> Other _____
<input checked="" type="checkbox"/> Principals	<input checked="" type="checkbox"/> <b>Daily</b>	<input type="checkbox"/> Weekly	<input type="checkbox"/> Monthly	<input type="checkbox"/> Other _____
<input checked="" type="checkbox"/> Teachers/Faculty	<input checked="" type="checkbox"/> <b>Daily</b>	<input type="checkbox"/> Weekly	<input type="checkbox"/> Monthly	<input type="checkbox"/> Other _____
<input checked="" type="checkbox"/> Other <u><b>Business Power Users</b></u>	<input checked="" type="checkbox"/> <b>Daily</b>	<input type="checkbox"/> Weekly	<input type="checkbox"/> Monthly	<input type="checkbox"/> Other _____

2. How do you currently disseminate analysis information to your end users? **A combination of; mainframe printed reports, web based dynamic Crystal or SQL Reporting Services reports and power user ODBC connectivity to the data warehouses.** Do you have a relatively quick and easy way for staff to request new analyses of existing data sets? **Power users have ODBC connections to data warehouse views and use Excel, Access, SPSS or SAS. All official statistical analysis is obtained through the district's Data Analysis department who use SAS on both mainframe and data warehouse information sources.**
3. Do you plan to implement this in the entire district all at once or phase it in? **Phased.** If phased in, by geographic region? School type groupings? End user roles? Other (please specify)? **Likely end-user roles but not yet determined.**
4. Regarding your data sources:
  - We're assuming the district uses individual central systems for Student Information, Finance, Human Resources, and Transportation. Is this correct? **Yes, these are systems on the mainframe (in ADABAS and/or VSAM), in many cases this data is extracted from these systems nightly and loaded to the data warehouses (SQL Server 2000).**
  - We also assume you have multiple student assessments to analyze. How many standardized assessments do you use (e.g. FCAT, ACT, SAT)? **Anticipated for 2004-05 and beyond are 12 standardized testing programs, including district programs: (1) grade 2 & 3 Stanford; (2) grades 1 – 11 SRI or replacement; state programs: (3) kindergarten SRUSS, (4) grade 10 PSAT, (5) FCAT writing, (6) grades 3 – 10 FCAT SSS, (7) grades 3-10 FCAT NRT, (8) FCAT graduation, (9) grades K - 12 EPAS; and national programs: (10) AP exams, (11) ACT & (12) SAT. Please note that some programs have multiple administrations in a given school year.**

- How many unique district assessments do you want to analyze? **The set of standards-based progress tests, administered 4 times annually, at grades 2 – 10, in reading, writing, mathematics, and science.**
  - Will you want to analyze and report on the district's survey data and community polling? **Not at this time, we use survey software that includes analysis functionality.** If so, is most of this data in a consistent data format survey-to-survey and year to year? **No.** If not, about how many different data formats will we need to work with? **Unknown.**
  - What other data sources would you want to analyze using the BI/OLAP tool (Attendance, Health, Cafeteria, etc.)? **School site administrators and instructional staff would find it valuable to analyze assessment/instructional data from instructional software programs running in their computer labs and classrooms. This data is not centrally collected/maintained at the district computer center and may be unique from school to school, available only on their LANs.**
  - **So we can properly assess the work related to your administrative system data, please respond to the attached System Information document.**
5. Does the district want sizing information for server hardware? **Yes. Estimate 500 or less power users and up to 25,000 casual query/report users. Current environment is two (2) active/passive clustered quad-Itanium 64 bit database servers handling application demand and two (2) dual Zeon servers for query demand. Both fiber connected to a six (6) terra-byte SAN** (If so, we'll need to gather some more detailed information about projected usage levels and extent of data)
6. Do you have an existing data clean up process for importing or exporting data into your environment? **Current ETL process uses no tools other than mainframe COBOL extract programs and DTS load. Limited data clean-up.**
7. Will the selected vendor be responsible for providing end-user training materials or training end-users on the application? **Vendors can propose any training paradigm (train the trainer, train all users, provide only materials, etc.) they wish, but it is reasonable that they make training materials available to MDCPS for use, copy and distribution in any case. Though there is no specific training requirement in the RFP, district training cost associated with a product is one of the stated evaluation criteria (page 5 of RFP).** Will you look to the vendor to arrange for training or consulting on staff development for data driven decision-making? **See above, it is up to the vendor to propose a training paradigm, MDCPS will fill any training gaps and overall training cost to the district will be considered during evaluation as stated in the RFP.**

## Detailed System Information

Provide the following information only for those systems that contain data you would like to include in the initial rollout of the OLAP/BI. **Note the following:**

**MDCPS data warehouses and RDMS databases are in MS SQL 2000 with enterprise level, processor based licensing. Mainframe source system data is in SAGA ADABAS or VSAM. Most data taken from mainframe source systems and implemented in the data warehouses is de-normalized and maintained in its source form. Warehouse Transportation data and some HR data is normalized and multi-dimensional. MDCPS has planned and modeled a 3<sup>rd</sup> normal form data warehouse feeding multi-dimensional data marts. No date has yet been established for implementation, therefore assume present data structure with provisioning for the future warehouse model.**

### ☒ Student Information System

Name of system: ISIS (in-house CICS mainframe source system), much data already in SQL data warehouse refreshed daily, current/active student –class information, no history in warehouse.

RDBMS or Vendor Product (i.e., SASI III): ADABAS source, daily ETL to SQL in warehouse

Platform: IBM zOS mainframe source, Wintel SQL warehouse

Data is exportable: ☒ Yes ☐ No

Unique student IDs throughout district: ☒ Yes ☐ No

Enrollment statistics in SIS: Yes, approx.360,000 students, extensive data on each as ISIS is a very broad and deep SIS.

### ☒ Testing and Assessment Data

Please list the standardized tests you will use to support analysis: FCAT , SAT9, SRI, SAT, ACT collected centrally with FCAT and SAT9 data available in the warehouse from 2001 forward. Other assessment data either not collected centrally or not tracked. School sites administer other assessments through instructional software programs, which vary by school and is available only in school computer labs, classroom computers or school site LANs if at all.

Specify the format that the data is received in (i.e., Tape, CD, FTP, flat file, etc.):

IBM zOS mainframe source, Wintel SQL warehouse

Please describe the availability of the data (i.e., the data is in the district; the data is at another location):

District level testing/assessment information is stored in our SIS and most is already in the data warehouse environment and refreshed daily.



Finance System

Name of system: MSAF

RDBMS or Vendor Product: GEAC product uses VSAM

Platform: IBM zOS mainframe

Data is exportable: ☒ Yes ☐ No



Human Resources System

Name of system: Numerous mainframe source systems.

RDBMS or Vendor Product: Daily ETL to SQL warehouses.

Platform: IBM zOS mainframe source, Wintel SQL data warehouses

Data is exportable: ☒ Yes ☐ No



Transportation System

Name of system: Data across several mainframe systems.

RDBMS or Vendor Product: ETL to SQL data warehouses, 5 years of history in warehouse.

Platform: IBM zOS mainframe source, Wintel SQL warehouses.

Data is exportable: ☒ Yes ☐ No



Other Administrative/Data systems

Name of system: COMPASS Work Order system \_\_\_\_\_

RDBMS or Vendor Product: Mainframe Product uses VSAM, ETL to SQL warehouses, 13 months, active WOs only in warehouse, no history.

Server Platform: Wintel SQL for warehouses, IBM zOS for source system.

Data is exportable: ☒ Yes ☐ No

Concerning the statement in Section IV 3:

Be device independent, e.g. support both Mac and PC

Do you intend the device independence to apply to just the delivery of reports via the web (and the printing thereof), or does the device independence you mention refer to the entire thin-client, web based system, and the supporting servers required to provide the requested functionality.

**Device independence refers to end-user platform only. Though most desktops in the district are PC compatible, many schools are MAC based. Web based clients must be able to support browser versions that run on Apple MAC computers as well as current PC browsers (IE 5.5 and above), thick clients must be able to support MAC OS 9.22 and above.**

**Server preference is Windows 2000 Advanced Server with IIS 5.0 for the web components and Windows 2000 Advanced Server with SQL Server 2000 for the database component. MDCPS currently operates an enterprise level clustered environment based upon the above. Middle tier servers (application servers) and web sever technology other than that stated above can be accommodated, however, proposer must provide hardware/software cost and scaling information associated with such requirements.**

What are the database requirements for integration with the other M-DCPS applications (Requirement No. 9)?

**Currently MDCPS has a data warehouse for; current/active student, testing and class information, HR, Facilities Work Orders and Transportation using SQL Server 2000 and this is under constant expansion. Most OLAP/BI/MOLAP functions will run against these warehouse tables. Data external to the warehouse that end users may request access to is in mainframe ADABAS files and VSAM files, PC/Server based SQL, Filemaker Pro, Excel, Access, text and csv files. This data is network connected and can be made available in a central server location via FTP. The requirement in the RFP addresses the ability of the software to either import data of various file types (state the file types accommodated by your proposed solution) or access data from these sources external to the data warehouse (through data mapping or other mechanism).**