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Header @ 3

List View

General Information | Contact | Default Values | Discount | Document Information | Clarification Request

Procurement Folder: 1065137

Procurement Type: Central Contract - Fixed Amt

Vendor ID: VS0000036433

Legal Name: International Business Machines Corporation

Alias/DBA:

Total Bid: \$626,969.04

Response Date: 08/09/2022

Response Time: 12:55

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SO Doc Code: CRFQ

SO Dept: 0210

SO Doc ID: ISC2300000001

Published Date: 7/29/22

Close Date: 8/9/22

Close Time: 13:30

Status: Closed

Solicitation Description: Addendum #2 CICS and DB2 Monitoring Tools (OT22148)

Total of Header Attachments: 3

Total of All Attachments: 3



Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

**State of West Virginia
 Solicitation Response**

Proc Folder: 1065137
Solicitation Description: Addendum #2 CICS and DB2 Monitoring Tools (OT22148)
Proc Type: Central Contract - Fixed Amt

Solicitation Closes	Solicitation Response	Version
2022-08-09 13:30	SR 0210 ESR08082200000000578	1

VENDOR
 VS0000036433
 International Business Machines Corporation

Solicitation Number: CRFQ 0210 ISC2300000001
Total Bid: 626969.0400000000372529029846 **Response Date:** 2022-08-09 **Response Time:** 12:55:58

Comments: IBM has attached "IBM CICS_DB2 Financial Summary 8-9-2022" PDF document. IBM provides prices for both "Bundle" and "A La Carte" purchase options. Both purchase options include all three license product ID (PID) numbers that are being requested under "CICS monitoring tool" and "DB2 monitoring tool" sections with the corresponding maintenance and support (S&S - subscription & support) PID #'s: 1. PID # 5655Y23 - CICS PA, 2. PID # 5698T07 - IBM Z Omegamon for CICS and 3. PID # 5655W37 - OMEGAMON for Db2 PE on zOS PLUS corresponding S&S part numbers: 1. PID # 5655G43 - CICS PA S&S, 2. PID # 5608S74 - IBM Z OMEGAMON for CICS S&S and 3. PID # 5655R07 - OMEGAMON for Db2 PE S&S. The prices outlined in the "Financial Summary" document reflect are the total cost (value units and unit prices) of each purchasing option. IBM's proposed bundle pricing provides WV incentives to purchase the requested licenses as a bundle opposed to purchasing the requested licenses a la carte.
 Training will be provided at no additional cost.

FOR INFORMATION CONTACT THE BUYER
 Jessica L Hovanec
 304-558-2314
 jessica.l.hovanec@wv.gov

Vendor
Signature X

FEIN#

DATE

All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Contract Item #1: CICS Monitoring Tools	1.00000	EA	146629.800000	146629.80

Comm Code	Manufacturer	Specification	Model #
43233700			

Commodity Line Comments: Please refer to attached IBM's RFP/RFQ response. The CICS monitoring tool are broken out as two different license product ID (PID) numbers: 1. PID # 5655Y23 - CICS PA and 2. PID # 5698T07 - IBM Z Omegamon for CICS. The "Unit Price" listed in the OASIS system is IBM's combined price (value units and unit prices) for CICS monitoring tool requested per functionalities listed in Section 4.1.3.1. Pricing included in "Line 1" for CICS monitoring are considered "A La Carte" pricing and please refer to next paragraph for additional pricing information to be included in IBM's bid response.
IBM has also attached "IBM CICS_DB2 Financial Summary 8-9-2022" PDF document. IBM provides prices for both "Bundle" and "A La Carte" purchase options. Both purchase options include all three license product ID (PID) numbers that are being requested under "CICS monitoring tool" and "DB2 monitoring tool" sections: 1. PID # 5655Y23 - CICS PA, 2. PID # 5698T07 - IBM Z Omegamon for CICS and 3. PID # 5655W37 - OMEGAMON for Db2 PE on zOS. The prices the "Financial Summary" document reflect are the total cost (value units and unit prices) of each purchasing option.
Training will be provided at no additional cost.

Extended Description:

The Vendor must provide a quantity of one (1) license for CICS monitoring tool and training. The monitoring tool must feature the following functionalities listed in Section 4.1.3.1.

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
2	Contract Item #2: DB2 Monitoring Tools	1.00000	EA	291995.550000	291995.55

Comm Code	Manufacturer	Specification	Model #
43233700			

Commodity Line Comments: Please refer to attached IBM's RFP/RFQ response. The DB2 monitoring tool is under one license product ID (PID) number: 1. PID # 5655W37 - OMEGAMON for Db2 PE on zOS. The "Unit Price" listed in the OASIS system is IBM's combined price (value units and unit prices) for DB2 monitoring tool requested per functionalities listed in Section 4.1.3.1. Pricing included in "Line 2" for DB2 monitoring are considered "A La Carte" pricing and please refer to next paragraph for additional pricing information to be included in IBM's bid response.
IBM has also attached "IBM CICS_DB2 Financial Summary 8-9-2022" PDF document. IBM provides prices for both "Bundle" and "A La Carte" purchase options. Both purchase options include all three license product ID (PID) numbers that are being requested under "CICS monitoring tool" and "DB2 monitoring tool" sections: 1. PID # 5655Y23 - CICS PA, 2. PID # 5698T07 - IBM Z Omegamon for CICS and 3. PID # 5655W37 - OMEGAMON for Db2 PE on zOS. The prices the "Financial Summary" document reflect are the total cost (value units and unit prices) of each purchasing option.
Training will be provided at no additional cost.

Extended Description:

The Vendor must provide a quantity of one (1) license for DB2 monitoring tool and training. The monitoring tool must feature the following functionalities listed in Section 4.1.3.1.

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
3	Contract Item #3: CICS Tool Maintenance and Support	1.00000	EA	21994.650000	21994.65

Comm Code	Manufacturer	Specification	Model #
81112200			

Commodity Line Comments: Please refer to attached IBM's RFP/RFQ response. The CICS monitoring tool maintenance and support (S&S - subscription & support) are broken out as two different license S&S product ID (PID) numbers: 1. PID # 5655G43 - CICS PA S&S and 2. PID # 5608S74 - IBM Z OMEGAMON for CICS S&S. The "Unit Price" listed in the OASIS system is IBM's combined price (value units and unit prices) for CICS monitoring tool maintenance and support requested for YEAR 1. Pricing included in "Line 3" for CICS monitoring are considered "A La Carte" pricing and please refer to next paragraph for additional pricing information to be included in IBM's bid response. IBM has also attached "IBM CICS_DB2 Financial Summary 8-9-2022" PDF document. IBM provides prices for both "Bundle" and "A La Carte" purchase options. Both purchase options include all three maintenance and support product ID (PID) numbers that are being requested under "CICS monitoring tool" and "DB2 monitoring tool" sections for each option year requested: 1. PID # 5655G43 - CICS PA S&S, 2. PID # 5608S74 - IBM Z OMEGAMON for CICS S&S and 3. PID # 5655R07 - OMEGAMON for Db2 PE S&S. The prices the "Financial Summary" document reflect are the total cost (value units and unit prices) of each purchasing option.

Extended Description:

The Vendor must provide one (1) year of maintenance and support for the CICS monitoring tools.

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
4	Contract Item #4: DB2 Tools Maintenance and Support	1.00000	EA	23534.280000	23534.28

Comm Code	Manufacturer	Specification	Model #
81112200			

Commodity Line Comments: Please refer to attached IBM's RFP/RFQ response. The CICS monitoring tool maintenance and support (S&S - subscription & support) are broken out as two different license S&S product ID (PID) numbers: 1. PID # 5655G43 - CICS PA S&S and 2. PID # 5608S74 - IBM Z OMEGAMON for CICS S&S. The "Unit Price" listed in the OASIS system is IBM's combined price (value units and unit prices) for CICS monitoring tool maintenance and support requested for YEAR 2. Pricing included in "Line 4" for CICS monitoring are considered "A La Carte" pricing and please refer to next paragraph for additional pricing information to be included in IBM's bid response. IBM has also attached "IBM CICS_DB2 Financial Summary 8-9-2022" PDF document. IBM provides prices for both "Bundle" and "A La Carte" purchase options. Both purchase options include all three maintenance and support product ID (PID) numbers that are being requested under "CICS monitoring tool" and "DB2 monitoring tool" sections for each option year requested: 1. PID # 5655G43 - CICS PA S&S, 2. PID # 5608S74 - IBM Z OMEGAMON for CICS S&S and 3. PID # 5655R07 - OMEGAMON for Db2 PE S&S. The prices the "Financial Summary" document reflect are the total cost (value units and unit prices) of each purchasing option.

Extended Description:

The Vendor must provide one (1) year of maintenance and support for the CICS monitoring tools.

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
5	Contract Item #5: Single Solution Option	1.00000	EA	25181.680000	25181.68

Comm Code	Manufacturer	Specification	Model #
43233700			

Commodity Line Comments: Please refer to attached IBM's RFP/RFQ response. The CICS monitoring tool maintenance and support (S&S - subscription & support) are broken out as two different license S&S product ID (PID) numbers: 1. PID # 5655G43 - CICS PA S&S and 2. PID # 5608S74 - IBM Z OMEGAMON for CICS S&S. The "Unit Price" listed in the OASIS system is IBM's combined price (value units and unit prices) for CICS monitoring tool maintenance and support requested for YEAR 3. Pricing included in "Line 5" for CICS monitoring are considered "A La Carte" pricing and please refer to next paragraph for additional pricing information to be included in IBM's bid response. IBM has also attached "IBM CICS_DB2 Financial Summary 8-9-2022" PDF document. IBM provides prices for both "Bundle" and "A La Carte" purchase options. Both purchase options include all three maintenance and support product ID (PID) numbers that are being requested under "CICS monitoring tool" and "DB2 monitoring tool" sections for each option year requested: 1. PID # 5655G43 - CICS PA S&S, 2. PID # 5608S74 - IBM Z OMEGAMON for CICS S&S and 3. PID # 5655R07 - OMEGAMON for Db2 PE S&S. The prices the "Financial Summary" document reflect are the total cost (value units and unit prices) of each purchasing option.

Extended Description:

The Vendor must provide one (1) year of maintenance and support for the CICS monitoring tools.

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
6	Optional Renewal Year 2 for CICS/DB2 Monitoring Tools	1.00000	EA	26994.400000	26994.40

Comm Code	Manufacturer	Specification	Model #
81112200			

Commodity Line Comments: Please refer to attached IBM's RFP/RFQ response. The CICS monitoring tool maintenance and support (S&S - subscription & support) are broken out as two different license S&S product ID (PID) numbers: 1. PID # 5655G43 - CICS PA S&S and 2. PID # 5608S74 - IBM Z OMEGAMON for CICS S&S. The "Unit Price" listed in the OASIS system is IBM's combined price (value units and unit prices) for CICS monitoring tool maintenance and support requested for YEAR 4. Pricing included in "Line 6" for CICS monitoring are considered "A La Carte" pricing and please refer to next paragraph for additional pricing information to be included in IBM's bid response. IBM has also attached "IBM CICS_DB2 Financial Summary 8-9-2022" PDF document. IBM provides prices for both "Bundle" and "A La Carte" purchase options. Both purchase options include all three maintenance and support product ID (PID) numbers that are being requested under "CICS monitoring tool" and "DB2 monitoring tool" sections for each option year requested: 1. PID # 5655G43 - CICS PA S&S, 2. PID # 5608S74 - IBM Z OMEGAMON for CICS S&S and 3. PID # 5655R07 - OMEGAMON for Db2 PE S&S. The prices the "Financial Summary" document reflect are the total cost (value units and unit prices) of each purchasing option.

Extended Description:

The Vendor must provide one (1) year of maintenance and support for the CICS monitoring tools.

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
7	Optional Renewal Year 3 for CICS/DB2 Monitoring Tools	1.00000	EA	43786.800000	43786.80

Comm Code	Manufacturer	Specification	Model #
81112200			

Commodity Line Comments: Please refer to attached IBM's RFP/RFQ response. The DB2 monitoring tool maintenance and support (S&S - subscription & support) is under one license product ID (PID) number: 1. PID # 5655R07 - OMEGAMON for Db2 PE S&S. The "Unit Price" listed in the OASIS system is IBM's combined price (value units and unit prices) for DB2 monitoring tool maintenance and support requested for YEAR 1. Pricing included in "Line 7" for DB2 monitoring are considered "A La Carte" pricing and please refer to next paragraph for additional pricing information to be included in IBM's bid response. IBM has also attached "IBM CICS_DB2 Financial Summary 8-9-2022" PDF document. IBM provides prices for both "Bundle" and "A La Carte" purchase options. Both purchase options include all three maintenance and support product ID (PID) numbers that are being requested under "CICS monitoring tool" and "DB2 monitoring tool" sections for each option year requested: 1. PID # 5655G43 - CICS PA S&S, 2. PID # 5608S74 - IBM Z OMEGAMON for CICS S&S and 3. PID # 5655R07 - OMEGAMON for Db2 PE S&S. The prices the "Financial Summary" document reflect are the total cost (value units and unit prices) of each purchasing option.

Extended Description:

The Vendor must provide one (1) year of maintenance and support for the DB2 monitoring tools.

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
8	Optional Renewal Year 4 for CICS/DB2 Monitoring Tools	1.00000	EA	46851.880000	46851.88

Comm Code	Manufacturer	Specification	Model #
43233700			

Commodity Line Comments: Please refer to attached IBM's RFP/RFQ response. The DB2 monitoring tool maintenance and support (S&S - subscription & support) is under one license product ID (PID) number: 1. PID # 5655R07 - OMEGAMON for Db2 PE S&S. The "Unit Price" listed in the OASIS system is IBM's combined price (value units and unit prices) for DB2 monitoring tool maintenance and support requested for YEAR 2. Pricing included in "Line 8" for DB2 monitoring are considered "A La Carte" pricing and please refer to next paragraph for additional pricing information to be included in IBM's bid response.

IBM has also attached "IBM CICS_DB2 Financial Summary 8-9-2022" PDF document. IBM provides prices for both "Bundle" and "A La Carte" purchase options. Both purchase options include all three maintenance and support product ID (PID) numbers that are being requested under "CICS monitoring tool" and "DB2 monitoring tool" sections for each option year requested: 1. PID # 5655G43 - CICS PA S&S, 2. PID # 5608S74 - IBM Z OMEGAMON for CICS S&S and 3. PID # 5655R07 - OMEGAMON for Db2 PE S&S. The prices the "Financial Summary" document reflect are the total cost (value units and unit prices) of each purchasing option.

OASIS did not provide the ability to provide YEAR 3 and YEAR 4 DB2 monitoring tool maintenance and support (S&S - subscription & support) in the system. YEAR 3 DB2 monitoring tool S&S cost = \$50,131.51. YEAR 4 DB2 monitoring tool S&S cost = \$53,590.70.

Extended Description:

The Vendor must provide one (1) year of maintenance and support for the DB2 monitoring tools.



2300 Dulles Station Blvd.
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August 9, 2022

Jessica Hovanec
Senior Buyer, State of WV Department of Administration
2019 Washington Street East
Charlestown, WV 25305

Subject: CICS & DB2 Monitoring Tools RFQ – Document ID: CRFQ-0210-ISC230000001-3

Dear Jessica,

Thank You for inviting IBM to this RFQ. Please find IBM's written response to West Virginia's request for CICS and DB2 Monitoring Tools (OT22148).

IBM product licensing pricing options along with yearly subscription & support pricing options can be found in the corresponding "IBM CICS_DB2 Financial Summary 8-9-2022" PDF document. IBM will provide training as outlined in the RFQ at no additional cost and has provided the training descriptions as well as duration, below. IBM has also made recommendations for future software upgrades based on West Virginia's current z/OS operating environment to support the CICS & DB2 monitoring tools throughout the length of the contract.

Pricing assumes IBM receives the State of WV's Purchase Order on or before 9/30/2022.

Please let me know if you have any questions and thank you again for inviting IBM to this RFQ.

Sincerely,

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4.1.1 Contract Item #1: CICS Monitoring Tools

4.1.1.1 The Vendor must provide a quantity of one (1) license for CICS monitoring tool and training. The monitoring tool must feature the following functionalities listed in Section 4.1.3.

(1) Unlimited License for Use of OMEGAMON CICS Performance Analyzer v.5.4 and (1) Unlimited License for Use of OMEGAMON for CICS V.5.5 or V.5.6. The single license for each product is sized by the amount of LPAR's the tool will be deployed to.

4.1.1.2 Training:

4.1.1.2.1 The Vendor must provide onsite or virtual training for three (3) users on the basic use and explanation on CICS monitors features and capabilities. These users include system programmers, database administrators, and application programmers.

IBM will leverage Client Engineering (CE), OMEGAMON Product Specialists, Expert Labs, and Lab Services expertise on your innovation and modernization journey. These IBM organizations are an IBM investment in your success. Our cross-functional team of subject matter experts invest in the set of activities identified for the required Skills Transfer session.

4.1.1.2.2 Training must be a minimum of three (3) days, Monday-Friday, 8:00AM-4:00PM EST. Training shall be coordinated with the WVOT.

IBM can provide any training necessary for the OMEGAMON tools proposed and within the 3-day limit, as required.

CICS is the focal point where various z subsystems meet (specifically, DB2, IMS, MQ, VSAM, and or course programming). IBM is invested in helping to develop strong technical talent with systems expertise and overall understanding of the environment(s) in which they operate. The CICS Monitoring Sessions are divided as follows:

- Internal CICS Monitoring Features & Capabilities - Internal CICS Monitoring refers to the use of only Z tool and programs (WITHOUT external tools). As such, the section will focus on using the following:
 - CICS task / system log. Accessible via running CICS task or via system console, major issues/warnings can be found there.
 - CICS supplied sample monitoring data print programs (2) (DFH\$MOLS and DFHMNDUP) (one of the most commonly used tool). These programs process and print SMF (system tracing) records, it also can process and print compressed monitoring records. These programs can be accessed via JCL (batch) - there certain control parameters

can be specified to format the data etc. **Note: JCL familiarity is recommended.**

- Exploring certain CICS internal TRANs - namely CEMT, CEDA, CEBR, CEDF, CECL, DSNC, etc. to get information that can be useful for monitoring and troubleshooting.
- Knowledge of CICS system macros, namely DFHAID, EIB* etc. This can be also seen when using CEDF transaction.
- External CICS Monitoring Features & Capabilities - External CICS Monitoring refers to the use of Z tools and programs (WITH external software packages).
 - OMEGAMON for CICS - robust and has wide functionality. However - from my experience - this is NOT user-friendly / straight forward tool. The best result is accomplished when used together with IBM OMEGAMONs for DB2, z/OS.
 - IBM CICS Performance Analyzer - probably the most user-friendly tool of the set. Similar to the other IBM OMEGAMON for CICS and for DB2.
 - IDz has CICS Explorer View - behind the scenes it is using output from certain system TRANs such as CEDA, CEMT. It can provide general overview of the current system resources such as files, programs, transactions.

Note: Our workshops are designed to be interactive, therefore, we will discuss all the above with hands-on examples, assuming the access to the region is present with the proposed set of OMEGAMON tools ready to use.

4.1.2 Contract Item #2: DB2 Monitoring Tools

4.1.2.1 The Vendor must provide a quantity of one (1) license for DB2 monitoring tool and training. The monitoring tool must feature the following functionalities listed in Section 4.1.3.

(1) Unlimited License for Use of OMEGAMON for DB2 V.5.4 or V.5.5. The single license is sized by the amount of LPAR's the tool will be deployed to.

4.1.2.2 Training:

4.1.2.2.1 The Vendor must provide onsite or virtual training on the basic use and explanation on DB2 monitors features and capabilities for three (3) users. These users include system programmers, database administrators, and application programmers.

IBM will leverage Client Engineering (CE), OMEGAMON Product Specialists, Expert Labs, and Lab Services expertise on your innovation and modernization journey. These IBM organizations are an IBM investment in your success. Our cross-functional team

of subject matter experts invest in the set of activities identified for the required Skills Transfer session.

4.1.2.2.2 Training must be a minimum of three (3) days, Monday-Friday, Eastern standard time, 8am-4pm. Training shall be coordinated with the WVOT.

IBM can provide any training necessary for the OMEGAMON tools proposed and within the 3-day limit, as required.

The details of the training for OMEGAMON for DB2 and the use of the CICS Performance Analyzer with DB2 are described in the response for section 4.1.1.2.2.

4.1.3 Monitoring Tool Features

4.1.3.1 The Vendor must provide monitoring tools that are capable of the following:

4.1.3.1.1 The tools must have the ability to pass control between the two monitors.

Yes. All of the IBM OMEGAMON monitoring tools, including those for CICS and DB2, integrate via a common 3270 interface called the Enhanced 3270 UI. This includes the ability to easily switch from one monitor component to another.

4.1.3.1.2 Must be compatible with CICS Transaction Server for z/OS V4.2 and CICS Transaction Server V5.4

Yes. Either of the IBM OMEGAMON for CICS products and the IBM OMEGAMON CICS Performance Analyzer can support the CICS Transaction Server for z/OS v4.2.

IBM OMEGAMON for CICS tools support matrix:

Product	Minimum supported CICS Transaction Server for z/OS
OMEGAMON for CICS v.5.5	CICS Transaction Server v.4.2 and above
OMEGAMON for CICS v.5.6	CICS Transaction Server v.5.2 and above
CICS Performance Analyzer v.5.4	CICS Transaction Server v.4.2 and above

CICS Transaction Server for z/OS V.4.2. is out of support since December 31, 2020. IBM recommends upgrading the CICS Transaction Server for z/OS to a supported release. CICS Transaction Server V5.4 will run out of support on December 31, 2023.

4.1.3.1.3 Must be compatible with DB2 V10 for z/OS.

Yes, starting from DB2 v10.1. The OMEGAMON for Db2 products proposed can support the following versions of Db2:

Product	Minimum supported DB2 for z/OS
OMEGAMON for DB2 V.5.4	DB2 for z/OS: v.10.1, v.11.1, v.12.1
OMEGAMON for DB2 V.5.5	DB2 for z/OS: v.12, v.13

DB2 for z/OS v.10 is out of support since April 20, 2020. IBM recommends upgrading DB2 for z/OS to a supported release.

4.1.3.1.4 Must be compatible with z/OS Security Server (RACF) for z/OS v2.2 and above.

The OMEGAMON products proposed can support the following versions of RACF for z/OS:

Product	Minimum supported RACF for z/OS version
OMEGAMON for CICS v.5.5	z/OS v. 2.01 and above
OMEGAMON for CICS v.5.6	z/OS v. 2.3 and above
CICS Performance Analyzer v.5.4	z/OS v. 2.1 and above
OMEGAMON for DB2 V.5.4	z/OS v. 2.1 and above
OMEGAMON for DB2 V.5.5	z/OS v. 2.3 and above

RACF for z/OS v2.2 and z/OS v2.2 are out of support since September 30, 2020. IBM recommends upgrading z/OS with RACF to supported releases.

4.1.3.1.5 The monitors must take advantage of a zIIP processor.

Yes. OMEGAMON makes extensive use of zIIP processors to dramatically reduce the cost of monitoring.

4.1.3.1.6 Security must have the ability to control user access by monitor, CICS region, DB2 subsystem and function in each. Security must be controlled using RACF groups.

Yes. IBM OMEGAMON DB2 v.5.5.0 and CICS both offer the ability to control views and command capabilities by user, and this may be interfaced to RACF.

4.1.3.1.7 Must be able to customize viewing screens by user and RACF group.

Yes. OMEGAMON DB2 v.5.5.0 and CICS both offer the ability to control views and command capabilities by user, and this may be interfaced to RACF.

4.1.3.1.8 The CICS and DB2 monitoring tools must have the capability to produce reports that can be customized utilizing both current and historical data.

For historical log data reports can be produced and customized with CICS Performance Analyzer v5.4. For current data, CICS Performance Analyzer v5.4 can be used if SMF data is in Log Streams. OMEGAMON DB2 v.5.5.0 historical reporting features operate in the same manner.

4.1.3.1.9 The CICS and DB2 monitoring tools must provide prepackaged reports and allow for the creation of ad-hoc reports.

OMEGAMON for DB2 v.5.5.0 provides numerous pre-packaged report formats (example Accounting Report Short and Accounting Report Long), plus numerous options to create custom reports in custom formats.

Yes, with CICS Performance Analyzer v5.4. The user has the ability to create many CICS performance reports, including product provided reports.

4.1.3.1.10 The Vendor's proposed monitoring tools must provide the following data to be available for reporting:

Yes. OMEGAMON DB2 v.5.5.0 provides reporting options for all of the items listed below.

4.1.3.1.10.1 Statistics – subsystem and thread level

Yes, with OMEGAMON DB2 v.5.5.0 provides the ability to report extensively on Db2 performance and activity at both the subsystem and thread level.

4.1.3.1.10.2 Utilities

Yes, with OMEGAMON DB2 v.5.5.0 provides the ability to report on Db2 utility activity.

4.1.3.1.10.3 DDL

Yes, with OMEGAMON DB2 v.5.5.0 provides the ability to provide reports on Db2 DDL SQL activity.

4.1.3.1.10.4 Security

Yes. OMEGAMON DB2 v.5.5.0 provides robust reporting for Db2 Audit traces.

4.1.3.1.10.5 I/O

Yes, for OMEGAMON DB2 v.5.5.0 provides the ability to report on Db2 I/O activity.

4.1.3.1.10.6 Locking

Yes, for OMEGAMON DB2 v.5.5.0 provides the ability to report on Db2 lock conflicts and lock processing.

4.1.3.1.10.7 SQL Activity

Yes, for OMEGAMON DB2 v.5.5.0 provides the ability to report on Db2 SQL activity.

4.1.3.1.10.8 SQL Detail and Explain

Yes, for OMEGAMON DB2 v.5.5.0 provides the ability to report on SQL activity and Explain information.

4.1.3.1.10.9 Trace Reports

Yes, for OMEGAMON DB2 v.5.5.0 provides the ability to run various Db2 traces and report on those traces.

4.1.3.1.10.10 Stored procedures (native and external) Detail and Explain

Yes, for OMEGAMON DB2 v.5.5.0 provides the ability to report on Stored Procedures.

4.1.3.1.10.11 Transaction identification (ID)

Yes, for OMEGAMON DB2 v.5.5.0 provides Transaction ID as one of the components you may report on in many various supplied reports.

4.1.3.1.10.12 Average response and Central Processing Unit (CPU) by day and by hour intervals.

Yes, for OMEGAMON DB2 v.5.5.0 provides the ability to report on CPU usage and summarize by various time intervals.

4.1.3.1.10.13 zIIP usage

Yes, for OMEGAMON DB2 v.5.5.0 provides the ability to report on zIIP utilization.

4.1.3.1.11 Must provide the ability to view threads and details for plans, packages, native stored procedures, external stored procedures, utilities and I/O.

Yes. OMEGAMON DB2 v.5.5.0 provides extensive DB2 thread views that include information on all the items listed.

4.1.3.1.12 Must provide the ability to view the complete DB2 system log for messages showing past and current activity in the DB2 subsystem.

Yes. OMEGAMON DB2 v.5.5.0 provides a message monitoring display that is easy to read and review.

4.1.3.1.13 Must provide the ability to monitor and trigger actions based on defined thresholds or DB2 system log messages.

Yes. OMEGAMON DB2 v.5.5.0 provides a function called a situation. A situation may be seen as an alert that may be used to highlight an issue within DB2. Almost any item of information monitored by OMEGAMON may be used in a situation. Also, it is easy to enable situations to trigger actions.

4.1.3.1.14 Must provide the ability to set conditional alerts for problem transactions and the ability to notify user. Must be able to set an exception on DB2 messages.

Yes. OMEGAMON DB2 v.5.5.0 situations described above provide flexible Boolean logic capabilities that allow for conditional alerts. Alert notification is a common use case for this.

4.1.3.1.15 Must provide both graphic and text panels that show performance for the entire day and minute-by-minute.

Yes. OMEGAMON DB2 v.5.5.0 may provide performance information over a desired time period, such as a day. These displays may be rendered both in 3270 user interface views and in Graphical User Interface (GUI) views.

4.1.3.1.16 Must provide the capability to view currently executing transactions as well as recent history in the same session.

Yes. OMEGAMON DB2 v.5.5.0 provides real time information on currently executing threads and near-term history on DB2 threads. IBM OMEGAMON FOR CICS V.5.6 provides information on active tasks in CICS and also provides the ability to view tasks that have recently completed.

4.1.3.1.17 Must provide the ability to show I/O time statistics used for each index and table during execution and after a thread is terminated.

Yes. OMEGAMON DB2 v.5.5.0 will show I/O counts, I/O times and Getpage activity at a Db2 thread and subsystem level. The user may optionally enable additional Db2 traces to collect more detailed information at the SQL and DB2 object (i.e. table and index) level.

4.1.3.1.18 Must provide the ability to view Dynamic SQL.

Yes. OMEGAMON DB2 v.5.5.0 provides the ability to view Dynamic SQL.

4.1.3.1.19 Must provide the ability to view which underlying VSAM datasets that are being used for DB2 GETPAGE requests.

Yes. OMEGAMON DB2 v.5.5.0 provides a facility called Object Analysis that enables the analysis of DB2 Getpage and VSAM file activity.

4.1.3.1.20 Must provide the ability to set filters such as AUTHID, PLAN, PACKAGE, CONNID, START and END Time to filter the display to show just the information requested.

Yes. OMEGAMON DB2 v.5.5.0 Near Term history provides those filter options, along with many other options.

4.1.3.1.21 Must provide the ability to quickly identify real-time performance problems by subsystem. Must provide the ability to view the SQL that is executing and any locks that have been encountered. Must provide the ability to view which plan, package, table and index being used by the SQL statement.

Yes. OMEGAMON DB2 v.5.5.0 provides DB2 thread views with all of the information listed in this requirement.

4.1.3.1.22 Must provide the ability to monitor buffer pools.

Yes. OMEGAMON DB2 v.5.5.0 provides extensive buffer pool monitoring analysis, both in real time and in history. This includes buffer pool data by thread, by subsystem and by data sharing group. This also includes detailed analysis within each buffer pool.

4.1.3.1.23 Must provide the ability to monitor all storage areas and pools (EDM and sort).

Yes. OMEGAMON DB2 v.5.5.0 provides the ability to monitor all the component structures of the EDM pool.

4.1.3.1.24 Must provide the ability to analyze dynamic and static SQL statements.

Yes. OMEGAMON DB2 v.5.5.0 provides the ability to monitor and analyze both Statis and Dynamic SQL.

4.1.3.1.25 Must provide the ability to monitor performance and throughput of DB2 and all DB2 subsystems.

Yes. OMEGAMON DB2 v.5.5.0 provides extensive ability to monitor performance and throughput of all DB2 subsystems running on z/OS.

4.1.3.1.26 Must provide the ability to view current thread activity. This includes connection and thread summaries.

Yes. OMEGAMON DB2 v.5.5.0 provides the ability to view DB2 threads in real time and in history. This includes the ability to summarize thread views as needed by the user.

4.1.3.1.27 Must provide the ability to collect information from DB2 and IRLM messages.

Yes. OMEGAMON DB2 v.5.5.0 provides and DB2 message monitoring facility.

4.1.3.1.28 Must provide the ability to view a collection of deadlocks and timeouts.

Yes. OMEGAMON DB2 v.5.5.0 can view information on deadlocks and timeouts by DB2 subsystem, by DB2 threads, as well as by DB2 messages.

4.1.3.1.29 Must provide the ability to collect package activity by subsystem.

Yes. OMEGAMON can provide information on package utilization by subsystem.

4.1.3.1.30 Must provide the ability to collect system activity.

Yes. OMEGAMON provides extensive information on DB2 and the utilization of underlying resources, such as CPU, memory, DASD, I/O, zIIP processors and other relevant resources.

4.1.3.1.31 Must provide the ability to transfer from one DB2 subsystems to another. Must provide the ability to transfer from one CICS Region to another.

Yes. Both OMEGAMON DB2 v.5.5.0 and OMEGAMON FOR CICS V.5.6 provide the ability to quickly and easily navigate from one DB2 subsystem to another, or one CICS region to another. OMEGAMON also provides the ability to quickly navigate to and from DB2 and CICS views.

4.1.3.1.32 Must provide the ability to view printers with output waiting to print.

Yes. OMEGAMON FOR CICS V.5.6 provides the ability to view connected devices, such as terminals and printers.

4.1.3.1.33 Must provide the ability to purge, “forcepurge” and “kill” transactions and tasks.

Yes. OMEGAMON provides the ability ‘Kill’ DB2 threads, and to ‘Kill’ and ‘Purge’ and ‘forcepurge’ CICS transactions.

4.1.3.1.34 Must provide the ability to view total CPU and average response by day for a CICS region.

Yes. OMEGAMON FOR CICS V.5.6 provides the ability view CICS performance and response time information over user definable time intervals and collection periods. CICS Performance Analyzer provides extensive reporting and analysis options that would include CPU usage and response time data by day.

4.1.3.1.35 Must provide the ability to monitor how storage is allocated to the Dynamic Storage Areas and provide short-on-storage indicators.

Yes. OMEGAMON FOR CICS V.5.6 provides DSA and EDSA information.

4.1.3.1.36 Must provide the ability to view summary and detailed information on storage by CICS region.

Yes. OMEGAMON FOR CICS V.5.6 provides this information.

4.1.3.1.37 Must provide the ability to see and delete Temporary Storage queues.

Yes. OMEGAMON FOR CICS V.5.6 provides the ability to monitor and view the Temp Storage queues.

4.1.3.1.38 Must provide the ability to see transactions which have ended.

Yes. OMEGAMON FOR CICS V.5.6 provides a facility called Task History that allows the user to see transactions that have ended and detailed information activity for a selected task. These displays may be filtered in a variety of ways, per user requirement.

4.1.3.1.39 Must provide the ability to view DB2 entries.

Yes. OMEGAMON FOR CICS V.5.6 provides information on DB2 RCT entries.

4.1.3.1.40 Must provide the ability to view and change resource management parameters.

Yes. OMEGAMON FOR CICS V5.6 provides the ability to view CICS parameters and issue commands to CICS.

Yes. OMEGAMON DB2 v.5.5.0 provides the ability to view Db2 DSNZPARM parameter settings and to issue commands to Db2.

4.1.3.1.41 Must provide the ability to set CPU limits on transactions.

Yes. OMEGAMON FOR CICS V.5.6 provides the ability to automatically set limits on CPU usage for CICS transactions.

4.1.3.1.42 Must provide the ability to set TPURGE and SPURGE.

Yes. OMEGAMON FOR CICS V.5.6 provides Purge command support, and the ability to set various Purge options.



2300 Dulles Station Blvd.
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August 9, 2022

Jessica Hovanec
Senior Buyer, State of WV Department of Administration
2019 Washington Street East
Charlestown, WV 25305

Subject: CICS & DB2 Monitoring Tools RFQ

Dear Jessica,

Thank You for inviting IBM to this RFQ. In case helpful, below is a financial summary comparing the options you requested. IBM will provide training at no additional cost as outlined in the "IBM CICS_DB2 RFQ Response Doc ID CRFQ-0210-ISC2300000001-3" PDF document.

Financial Summary			
Year	Bundle	A La Carte	Savings
Year 1 License	\$ 372,831.55	\$ 438,625.35	\$ 65,793.80
Year 1 S&S	\$ 55,914.23	\$ 65,781.45	\$ 9,867.22
Year 1 Subtotal	\$ 428,745.78	\$ 504,406.80	\$ 75,661.02
Year 2 S&S	\$ 59,828.23	\$ 70,386.15	\$ 10,557.92
Year 3 S&S	\$ 64,016.20	\$ 75,313.18	\$ 11,296.98
Year 4 S&S	\$ 68,497.34	\$ 80,585.10	\$ 12,087.77
4 Year Subtotal	\$ 621,087.55	\$ 730,691.24	\$ 109,603.69

S&S: Subscription (to new fixes, releases & versions) plus technical Support.

Pricing assumes IBM receives the State of WV's Purchase Order on or before 9/30/2022.

Please let me know if you have any questions and thank you again for inviting IBM to this RFQ.

Sincerely,

Peter Flanders
IBM System/z Software

Mary Jo Mafale
IBM Technology Sales Leader

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EXHIBIT A

INTERNATIONAL BUSINESS MACHINES CORPORATION PROPOSED MODIFICATIONS TO CRFQ 0210 ISC230000001

Notwithstanding anything to the contrary in CRFQ 0210 ISC230000001 (the “RFQ”) for CICS and DB2 Monitoring Tools), International Business Machines Corporation’s (IBM) proposal in response to this RFQ is expressly conditioned upon the negotiation of a mutually acceptable set of terms and conditions. Accordingly, IBM requests that the following RFQ provisions be negotiated and mutually agreed between the State of West Virginia, Department of Administration and IBM.

GENERAL TERMS AND CONDITIONS

- **20. TIME:** [Request deletion]
- **27. ASSIGNMENT:** [e.g., Assignment of payments is not restricted]
- **28. WARRANTY:** [e.g., Exclusion of “merchantable and fit for the purpose intended”]
- **36. INDEMNIFICATION:** [e.g., Confined to any and all third party claims]

IBM REQUIRED PROVISIONS TO BE ADDED:

- **Contractor’s Limitation of Liability** [e.g., Cap on Contractor’s liability and no liability for Incidental and Consequential Damages]
- **European General Data Protection Regulations** [e.g., GDPR for reasons consistent with data protection laws in the United States]