

## 08DOA-S2664 Mainframe Managed Services Bid Q&amp;A

QUESTION_NBR	CREATED_BY	QUESTION_SUBJECT	QUESTION_TEXT	ANSWER_TEXT
1	RROSBURG	RFQ Bid	Is this RFQ open to partial bid? May vender bid on specific parts such as 4.5.3.2 and 4.5.3.5 only?	Partial bids are acceptable though the agency is seeking a comprehensive response.
2	RROSBURG	Location Support	Is remote assistance acceptable?	Refer to the Scope of Work "TECHNICAL REQUIREMENTS" section 6.
3	RROSBURG	IBM Requirements	IBM Requirements Proposing vendors are required to meet the following a. IBM Platinum Partner or higher b. IBM Direct and partner sales (Some software is sold directly by IBM) c. Partner authorized by IBM for Power Systems, Storage, and System Z Proposing vendors are required to meet all 3 requirements listed in the RFP.	This was a requirement for RFP 08DOA-S1327. Refer to the Scope of Work section 2.3 for this RFP 08DOA-S2664.
4	TGFHOME1		test format	This question is unclear.
5	DASTEFANI34		Section 2.3 indicates that "Responding vendors must be a platinum level certified business partner or higher with IBM". This level is mostly achieved through HW and SW sales volumes with IBM. As strictly a MSP, we do not qualify at that level but are an extremely capable, 25+yr IBM partner managing (and hosting) mainframe workloads. Is the platinum level a strict requirement?	No, section 2.3 has been amended. "Responding vendors must be a platinum level certified business partner or higher with IBM" has been amended to "Responding vendors must be either a minimum level platinum certified business partner with IBM or certified with IBM proficiency badges to support these core competencies: z/OS operating system, z/OS BCP elements, z/OS BCP features, DB2 for z/OS, CICS, SMP/E, z/OSMF, Sysplex and Coupling Facility, and IBM Z mainframe hardware including CPC, and supported storage arrays for disk and virtual tape."
6	CDWG01	Submission Checklist, Response to Scope of Work	For the Response to Scope of Work, can the State please clarify whether vendors are required to respond to each item in the Scope of Work Document as a whole (inclusive of SOW and Deliverables, Goals and Objectives, Compliance and Accountability Metrics, Current Hardware and Software, and Technical Requirements) or only the "SOW and Deliverables" portion?	Responses should address all portions of the Scope of Work.
7	CDWG01	Scope of Work, 2.3.5. Backup and Disaster Recovery	Does the State have an existing disaster recovery plan?	Yes
8	CDWG01	Scope of Work, 2.3.6 24/7 Support	Does support need to be onshore?	Yes
9	CDWG01	RFP, 2. Project Overview, Goals and Objectives	The State notes that one of the goals is as follows: "Providing technical responses within 4 hours of requests by staff when a mainframe problem has been flagged and assistance is requested to troubleshoot." Can the State please clarify whether the 4-hour response time is for all requests or only a certain level?	Refer to the Scope of work section 4 COMPLIANCE AND ACCOUNTABILITY METRICS and the Vendor Compliance Requirement Excel worksheet #10.
10	CDWG01	Scope of Work, Compliance	Can the State please clarify which compliance requirements vendors would need to consider in the services they provide?	Refer to the Vendor Compliance Requirement Excel worksheet
11	CDWG01	RFP, General.	Does the State have documented security requirements that would apply to vendors? If yes, can you please provide a copy?	Yes, refer to the Vendor Compliance Requirement Excel worksheet and <a href="https://it.nv.gov/Governance/Security/State_Security_Policies_Standards_Procedures/">https://it.nv.gov/Governance/Security/State_Security_Policies_Standards_Procedures/</a>
12	CDWG01	RFP, General	Does the State have restrictions on the types of employees accessing the network or systems in scope? If yes, please identify (i.e. offshore (not US based), non-US citizen, etc.)	Yes, must be located within the continental United States.
13	CDWG01	MFA	Does the State have Multifactor Authentication to access the network or systems for which vendors will be providing services? If yes, please note which type is used (i.e. hard tokens, soft tokens, etc.)	Yes, soft tokens
14	CDWG01	Privileged Access Management	Does the State use a Privileged Access Management (PAM) tool such as CyberArk or Thycotic Secret Server to access the systems for which vendors will be providing services?	No
15	CDWG01	Employee restrictions	Does the State have restrictions on the types of employees accessing the network or systems in scope? If yes, please identify (i.e. offshore (not US based), non-US citizen, etc.)	Yes
16	CDWG01	Vendor Security Training	Does the State have additional training that would be required for vendor employees in order to access their systems? If Yes, please elaborate.	Yes, refer to the Information Security Awareness and Training Program listed in <a href="https://it.nv.gov/Governance/Security/State_Security_Policies_Standards_Procedures/">https://it.nv.gov/Governance/Security/State_Security_Policies_Standards_Procedures/</a> In addition, FTI/CJIS training may be necessary
17	CDWG01	Security Questionnaires	Does the customer have Security Questionnaires (ex. SIGs) that will be asked of vendors to complete at least annually? If Yes, are they industry standard or customer developed?	No
18	CDWG01	Other Security Requirements	Can the State please list any other security requirements not already mentioned above that would apply to vendors in order to provide services to environment in scope?	N/A

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19	CDWG01	Technical Support	Approximately how many custom exits are in the environment today?	10
20	CDWG01	Technical Support	If running CICS on the mainframe, how many regions are you running?	29
21	CDWG01	Technical Support	Are there CICS exits in the environment today? If so, how many?	There are 13 CICS exits.
22	CDWG01	Technical Support	Does CICS Macro Code exist in the environment?	Yes
23	CDWG01	Technical Support	If running DB2 on the mainframe, how many active subsystems are you running?	16
24	CDWG01	Technical Support	If you are running MQ Series how many Subsystems do you have?	3
25	CDWG01	Technical Support	In your MQ Series environment, what are the average number of transmission errors in an average month?	Outside of the scope of this project. The OCIO IBM sysprog mainframe team is an internal service provider supporting the mainframe platform for customer agencies to use. The sysprog mainframe team are sysprog administrators that maintain and upgrade the hardware, operating system, DB2, MQ, CICS, and other product applications which are then deployed to the customers for them to use. OCIO's sysprogs are system administrators not DBAs.
26	CDWG01	Technical Support	How is Mainframe security handled today? By the System programming team, or by a specific security team?	System programming team
27	CDWG01	Technical Support	Approximately how many mainframe security requests are handled each month?	OCIO is not intending to outsource RACF Administrator duties at this time.
28	CDWG01	Operations / Production Control / Scheduling	Please provide the Average Number of Jobs that are monitored each month	Batch job monitoring is done by the OCIO Computer Operations staff.
29	CDWG01	Operations / Production Control / Scheduling	Please provide the Average Number of Job Abends each month	Zero to 2 job abends affect the OCIO IBM sysprog mainframe unit.
30	CDWG01	Operations / Production Control / Scheduling	On Average, how many adhoc scheduling requests occur each month	Batch job scheduling is done by the OCIO Computer Operations staff.
31	CDWG01	Physical DBA	What is the version and RSU level or maintenance level for each of the subsystems?	DB2 v12 RSU2303 for all subsystems except 1, that one is DB2 v12 RSU2312.
32	CDWG01	Physical DBA	What is the downtime allowed (if any) for the production database subsystem in case of an outage?	Production are identified as critical and require a response no more than 2-hours from the reported downtime.
33	CDWG01	Physical DBA	Is there currently a documented backup process for the DBMS?s that are executing?	Yes and the backup process is not public.
34	CDWG01	Physical DBA	For determining the maintenance window, what is the time of the day, week and month when the database subsystem(s) are likely to have minimum activity - i.e. minimum updates?	All maintenance for subsystems is scheduled in advance with the impacted customer agency. Maintenance for test subysytems is usually done during standard business hours, development subsystems is done usually on weekdays before or after standard work hours, production is done on the weekends typically during our Sunday night/Monday morning maintenance window from 11:30 PM to 6:00 AM pacific time.
35	CDWG01	Physical DBA	Is there a current documented recovery plan in place in the event of a failure? What is the frequency of the DR test?	Yes. OCIO's IBM sysprog mainframe unit's goal is to test at least twice per year to verify the OCIO Mainframe team's test LPAR. Full DR tests are scheduled when OCIO customer agencies request one, usually no more than twice per year.
36	CDWG01	Logical DBA	How much time a week does the current DBA spend working on logical DBA tasks?	Outside of the scope of this project. Refer to answer provided for vendor question #25.
37	CDWG01	Logical DBA	How much new development is currently being done? How much maintenance development is currently being done?	OCIO is not developing new applications for the State mainframe; however, customer agencies might be.
38	CDWG01	Logical DBA	How many application objects (I.E.DB2 tables, IMS databases, ADABAS files) are contained in the application databases in each of the subsystems?	Outside of the scope of this project. Refer to answer provided for vendor question #25.
39	CDWG01	Logical DBA	Is there a DR process that the logical DBA supports?	Outside of the scope of this project. Refer to answer provided for vendor question #25.
40	CDWG01	Logical DBA	Is there a nightly batch cycle process which updates the databases? How many jobs/processes? What is the typical batch window?	Outside of the scope of this project. Refer to answer provided for vendor question #25.
41	CDWG01	Logical DBA	Are there daily, weekly, monthly DB2 maintenance jobs?	Outside of the scope of this project. Refer to answer provided for vendor question #25.
42	CDWG01	Logical DBA	How often do Database abends impact processing?	Outside of the scope of this project. Refer to answer provided for vendor question #25.
43	CDWG01	Logical DBA	Are DBAs involved in code designs or table designs?	Outside of the scope of this project. Refer to answer provided for vendor question #25.
44	CDWG01	Operations	Does State of Nevada require vendor to run Operations?	No
45	CDWG01	Storage related - disk	What is the allocation brand manager used?	Copy Services Manager

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46	CDWG01	Storage related - disk	Disk: What is the number of restores per week?	Asynchronous disk and tape replication is done in lieu of volume restores for keeping both sites in sync. Volume and dataset restores from tape backups are done on request only and not often.
47	CDWG01	Operations	If the State of Nevada requires the vendor to run Operations, please clarify which of the following need to be included: 1. Monitored jobs count per month 2. Abend count per month 3. Scheduling - included? Y/N 4. Manual batch job count (if any) 5. Sched adhoc job count per month 6. Automation? Y/N	OCIO is not seeking managed services for the OCIO Computer Operations unit.
48	TGFHOME1	RFP 2.4	Are the current systems managed by state employees / contractors, or outsourced to a managed services provider?	State employees
49	TGFHOME1	SOW	*Please provide more details on the 4 year cycle for new hardware. When are the current systems due for replacement? Any large software renewals coming due? If yes, which vendor and when?	Hardware and Software product renewals must follow NRS 333. Leases for storage arrays reach their term after September 2025 and the leases for the mainframe processors reach their term after June 2026.
50	TGFHOME1	SOW	*Please provide a full listing of all IBM and ISV software and indicate where that software is installed (if not installed in all LPAR?s). Please include the version and release information for each installation of the software product.	Refer to Scope of Work section 7.1 for the list of IBM and ISV software.
51	TGFHOME1	sow	Does the environment have customized or in-house developed tools? If so, does source code exist?	Yes and source code exists for some of the in-house developed tools.
52	TGFHOME1	sow	*Please confirm the capacity details of Disk (Production and DR ) and VTS (Compressed and Uncompressed).	The Primary and DR storage arrays are equally sized. The disk array has 22TB of usable capacity, unable to answer VTS compressed and uncompressed capacity.
53	TGFHOME1	sow	Please provide copies or access to the "Data Communications and Remote Connections" and "Remote Access" security standards for the State of Nevada. Are there any other compliance or security requirements for hosting provider to adhere to? If so, what are they?	State Information Security Policies, Standards, and Procedures are located on the website <a href="https://it.nv.gov/Governance/Security/State_Security_Policies_Standards_Procedures/">https://it.nv.gov/Governance/Security/State_Security_Policies_Standards_Procedures/</a>
54	TGFHOME1	sow	What is the current service management tool ?	There is not one.
55	TGFHOME1	sow	Please provide an estimated number of Incidents and Requests recorded in the service management tool per month.	N/A
56	TGFHOME1	sow	*Is batch scheduling management and monitoring in scope? If yes, please provide::	No, batch job monitoring is done by the OCIO Computer Operations staff.
57	TGFHOME1	sow	Number of batch jobs defined in scheduler?	Batch job scheduling and monitoring is done by the OCIO Computer Operations staff.
58	TGFHOME1	sow	Average number of batch jobs run per month?	Batch job monitoring is done by the OCIO Computer Operations staff.
59	TGFHOME1	sow	Average number of abends per month?	Zero to 2 job abends affect the OCIO IBM sysprog mainframe unit.
60	TGFHOME1	sow	Average number of schedule changes per month?	Outside of the scope of this RFP. Batch job scheduling is done by the OCIO Computer Operations staff.
61	TGFHOME1	sow	Average number of adhoc jobs run per month?	OCIO IBM sysprog mainframe unit runs adhoc jobs during the standard course of performing system administration duties. If a job will impact the production LPARs it must be scheduled in advance.
62	TGFHOME1	sow	Are code promotions/change management in scope?	Only from the perspective of system administration. Refer to answer provided to vendor question #25.
63	TGFHOME1	sow	Average number of code promotions per month?	Outside of the scope of this project. Refer to answer provided for vendor question #25.
64	TGFHOME1	sow	*For Security, will the bidder provide user ID administration for State of Nevada associates? If yes, please provide:	Contractors will be allotted the minimum level of access required to complete the tasks.
65	TGFHOME1	sow	How many security tickets are generated per month in the current environment? (Userid Add / Delete/ Change)	Outside of the scope of this project. OCIO is not intending to outsource RACF Administrator duties at this time.
66	TGFHOME1	sow	Number of security rules to maintain	Outside of the scope of this project. OCIO is not intending to outsource RACF Administrator duties at this time.
67	TGFHOME1	sow	How many unique security databases to maintain?	2
68	TGFHOME1	sow	Is your environment currently meeting your SLA, Audit, Security, and regulatory requirements?	OCIO has purchased extended support for the Operating System and CICS.
69	TGFHOME1	sow	Is any type of MFA (multi factor authentication) in use?	Yes

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70	TGFHOME1	sow	What security compliance requirements do you have related to remote access?	See: <a href="https://it.nv.gov/uploadedFiles/itnewnv.gov/content/Governance/Security/FINAL_S_5_04_03_Remote_Access.pdf">https://it.nv.gov/uploadedFiles/itnewnv.gov/content/Governance/Security/FINAL_S_5_04_03_Remote_Access.pdf</a>  See Also: <a href="http://security.intra.nv.gov/uploadedFiles/securitynv.gov/CONTENT/PSPs/E_5_04_05_SilverNet_Remote_Access.pdf">http://security.intra.nv.gov/uploadedFiles/securitynv.gov/CONTENT/PSPs/E_5_04_05_SilverNet_Remote_Access.pdf</a>
71	TGFHOME1	sow	How frequently are internal and external audits performed?	Triennial
72	TGFHOME1	sow	*Please provide the z/OS version in use.	z/OS 2.3 with extended support.
73	TGFHOME1	sow	Number of CICS regions	29
74	TGFHOME1	sow	Number of CICS/TG regions	All 29 CICS regions are independent yet have the ability to share information.
75	TGFHOME1	sow	Number of CICS-Plexes	0
76	TGFHOME1	sow	*Verify MQ regions (Prod / Dev / Test)	3
77	TGFHOME1	sow	Number of MQ Series instances	3
78	TGFHOME1	sow	*Verify DB2 regions (Prod/ Dev/Test)	16
79	TGFHOME1	sow	Number of database subsystems	16
80	TGFHOME1	sow	For print services, please clarify the scope of requirements applicable to the managed service provider.	The scope applicable for print services is related to the support of the print services products listed in the Scope of Work section 7.1.5.
81	TGFHOME1	sow	Number of DB2 data sharing groups	0
82	TGFHOME1	sow	Please describe any MF physical printing requirements applicable to the Mainframe service provider.	Physical printing is done off platform.
83	TGFHOME1	sow	What is the desired Recovery Time Objective/Recovery Point Objective for DR?&#8239;&#8239;	RTO is 8 - 12 hours via disk recovery, or 48-72 hours via tape recovery restores. RPO is both Coupling Facility LPARs and both production LPARs activated, operating, verified, and ready for OCIO's mainframe customer agencies to log into. OCIO will coordinate with customer agencies prior to starting their applications and tasks.
84	TGFHOME1	sow	*Confirm the capacity of Disk (Production and DR ) and VTS (Compressed and Uncompressed)	The Primary and DR storage arrays are equally sized. The disk array has 22TB of usable capacity, unable to answer VTS compressed and uncompressed capacity.
85	TGFHOME1	sow	*How many DR Tests in a year, for how many hours?	OCIO's IBM sysprog mainframe unit's goal is to test at least twice per year to verify the OCIO Mainframe team's test LPAR, these are less than 8 hours. Full DR tests are scheduled when OCIO customer agencies request one, usually no more than twice per year and span 5 work days.
86	TGFHOME1	sow	*For each DR test, please indicate if you recover all LPARS / or a subset of LPARS.	Test DR recovery are the two test LPARs. Full DR test recovery is both production LPARs and both test LPARs.
87	TGFHOME1	sow	Please share % daily data change rate	Outside of the scope of this project. Future hardware replacements will need to support asynchronous data replication from the production location to the DR location.
88	TGFHOME1	sow	*Application change control / code promotions	Outside of the scope of this project. Refer to answer provided for vendor question #25.
89	TGFHOME1	sow	# code promotion requests per month	Outside of the scope of this project. Refer to answer provided for vendor question #25.
90	TGFHOME1	sow	Any manual code promotions?	Outside of the scope of this project. Refer to answer provided for vendor question #25.
91	TGFHOME1	sow	Monthly estimate of manual code promotions	Outside of the scope of this project. Refer to answer provided for vendor question #25.
92	TGFHOME1	sow	What are the expected hours of operation on holidays?	Refer to the Scope of work section 4 COMPLIANCE AND ACCOUNTABILITY METRICS, section 6.2, and the Vendor Compliance Requirement Excel worksheet #10.
93	LOUISCARRJR	General	What specific pain points are you experiencing with your current solution?	Refer to the Scope of Work "TECHNICAL REQUIREMENTS" section 1.
94	LOUISCARRJR	General	What are your short term goals for your solution?	Professional services for projects as needed from the awarded vendor with RFP 08DOA-S1327.
95	LOUISCARRJR	General	Are any hardware or software components of your solution at risk of being out of support?	Yes, and OCIO has purchased extended support for software.
96	LOUISCARRJR	General	What level of support are you needing - Application, Middleware, OS, Network, Storage, or Full Stack?	Refer to Scope of Work.

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97	LOUISCARRJR	General	Are there any geolocation or background check requirements for personnel working this program?	Yes
98	LOUISCARRJR	General	What monitoring tools are currently being used by the program?	Refer to Scope of Work section 7.1 for list of monitoring tools.
99	LOUISCARRJR	General	On a monthly basis, how many incident tickets are processed? Severity? Please provide a 12 month ticket dump if possible.	Zero to 2 incident tickets affect the OCIO IBM sysprog mainframe unit.
100	LOUISCARRJR	General	What are your coverage requirements? (ex 24x7, 8x5, on call, etc.)	Refer to the Scope of work section 4 COMPLIANCE AND ACCOUNTABILITY METRICS, section 6.2, and the Vendor Compliance Requirement Excel worksheet #10.
101	LOUISCARRJR	General	Is cloud a part of your solution? Which providers?	No
102	LOUISCARRJR	General	Is this in your Data Center/on-Premises or managed by a 3rd party? If 3rd Party, who?	On premise
103	LOUISCARRJR	General	Is onsite and/or smart hands required in this solution? If so, what locations?	Refer to Scope of Work section 6.3.
104	LOUISCARRJR	General	Which environments are in scope for this project? E.g. Production, Test, Development, etc.	Outside of the scope of this project. Refer to answer provided for vendor question #25.
105	LOUISCARRJR	General	What is the purpose of the application(s)? Please provide application flow diagrams if possible.	Outside of the scope of this project. Refer to answer provided for vendor question #25.
106	LOUISCARRJR	General	List the tools involved in your development process.	Refer to Scope of Work section 7
107	LOUISCARRJR	Mainframe Applications	List the languages being used (For ex: COBOL, Java, C++, etc.)	Refer to Scope of Work section 7.1.11
108	LOUISCARRJR	Mainframe Applications	What is the purpose of the application (s)? Please provide application flow diagrams if possible.	Outside of the scope of this project. Refer to answer provided for vendor question #25.
109	LOUISCARRJR	Mainframe Applications	List the tools involved in your development process.	Outside of the scope of this project. Refer to answer provided for vendor question #25.
110	LOUISCARRJR	Mainframe Applications	What level of application support is being requested for each application? i.e. Monitor only, patching, development, enhancements, bug fix/tech debt?	System Administration for upgrades and maintenance.
111	LOUISCARRJR	Mainframe Applications	What CI/CD is used and is it expected to be managed by the supplier?	None
112	LOUISCARRJR	Mainframe Applications	Is the development team using special IDE tool (IBM Developer for z/OS, MS Visual Studio, or Eclipse-based)	No
113	LOUISCARRJR	Mainframe Applications	Is the team using technologies like Zowe or Ansible for DevOps?	Not in the scope of this RFP
114	LOUISCARRJR	Mainframe Applications	Are there any microservices included in the current or planned architecture?	No
115	LOUISCARRJR	Mainframe Applications	Are third party licenses and software integration needed for applications?	Yes
116	LOUISCARRJR	Mainframe Applications	What is the current version of COBOL, needed update ?	4.2 and 6.2
117	LOUISCARRJR	Mainframe Applications	What is the turn-around time/SLA for Break fixes by the Application team?	Outside of the scope of this project. Refer to answer provided for vendor question #25.
118	LOUISCARRJR	Mainframe Applications	Are Architectural or flow diagrams available on the interconnecting applications?	Outside of the scope of this project. Refer to answer provided for vendor question #25.
119	LOUISCARRJR	Mainframe Applications	Is there a dedicated UAT environment to support the user testing?	Each customer agency has their own UAT.
120	LOUISCARRJR	Mainframe Applications	What is the job Scheduler being used (CA-7, ZEKE, etc.)?	Refer to Scope of Work section 7.1.12
121	LOUISCARRJR	Mainframe Applications	What are the Critical Job flow and process/turn around times for resolution?	Refer to the Scope of work section 4 COMPLIANCE AND ACCOUNTABILITY METRICS, section 6.2, and the Vendor
122	LOUISCARRJR	Mainframe DB/Transaction Management	How many users are on the system during peak operations?	Unable to answer.
123	LOUISCARRJR	Mainframe DB/Transaction Management	Number of CICS Regions?	29
124	LOUISCARRJR	Mainframe DB/Transaction Management	Number of IMS Databases?	None
125	LOUISCARRJR	Mainframe DB/Transaction Management	Number of DB2 Subsystems?	16
126	LOUISCARRJR	Mainframe DB/Transaction Management	Number of MQ Managers?	3
127	LOUISCARRJR	Mainframe DB/Transaction Management	Number of non-relational databases, excluding IMS?	None
128	LOUISCARRJR	Mainframe DB/Transaction Management	What is the current MIPS consumption split between Prod and Non-Prod?	MSU Soft cap limits for the LPARs are: Prod1 = 95, Prod2 = 40, Test1=6, and Test2= 4.
129	LOUISCARRJR	Mainframe Incident Management	What is the SCM tool used for Version Control/Code Integrity?	OCIO IBM sysprog mainframe unit does not use a SCM.
130	LOUISCARRJR	Mainframe Incident Management	What ticket tracking tool is being used today for application support/enhancement, if any?	Outside of the scope of this project. Refer to answer provided for vendor question #25.

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131	LOUISCARRJR	Mainframe Installation Maintenance And Support	How many tickets are generated per platform? Daily/Weekly/Monthly?	Outside of the scope of this project. Refer to answer provided for vendor question #25.
132	LOUISCARRJR	Mainframe Installation Maintenance And Support	Are there any external scheduling dependencies?	Yes
133	LOUISCARRJR	Mainframe Installation Maintenance And Support	What enterprise monitoring solution is being used? Can the supplier bring their own tool or is there a requirement to use yours?	Must use OCIO monitoring tools. Refer to Scope of Work section 7.1 for list of monitoring tools.
134	LOUISCARRJR	Mainframe Installation Maintenance And Support	Is there a detailed software inventory that can be provided?	Refer to Scope of Work section 7 for list of products.
135	LOUISCARRJR	Mainframe Mid-Range Applications	How many developers support the application(s) today?	Outside of the scope of this project. Refer to answer provided for vendor question #25.
136	LOUISCARRJR	Mainframe Mid-Range Applications	How many applications are inter-connected/Down stream applications?	Outside of the scope of this project. Refer to answer provided for vendor question #25.
137	LOUISCARRJR	Mainframe Mid-Range Applications	Any distributed connectivity currently involved with the application interfaces (API)?	Outside of the scope of this project. Refer to answer provided for vendor question #25.
138	LOUISCARRJR	Mainframe Mid-Range Applications	Is any application connectivity done through MQ or Kafka Services?	Outside of the scope of this project. Refer to answer provided for vendor question #25.
139	LOUISCARRJR	Mainframe Mid-Range Applications	Does your application use WebSphere Application Server?	Outside of the scope of this project. Refer to answer provided for vendor question #25.
140	LOUISCARRJR	Mainframe Mid-Range Applications	Does your application use TOMCAT application server?	Outside of the scope of this project. Refer to answer provided for vendor question #25.
141	LOUISCARRJR	Mainframe Mid-Range Applications	Does the application use clients written JAVA or .NET?	Outside of the scope of this project. Refer to answer provided for vendor question #25.
142	LOUISCARRJR	Mainframe Mid-Range Applications	Does the application attach tasks over an APPC connection is it through CPIC or LU6.2 ?	Outside of the scope of this project. Refer to answer provided for vendor question #25.
143	LOUISCARRJR	Mainframe Mid-Range Applications	Are there any licensing dependencies that needs to be reviewed as part of the application configuration?	Outside of the scope of this project. Refer to answer provided for vendor question #25.
144	LOUISCARRJR	Mainframe System Environment and Configuration	What hardware platform are you currently on and what is the number of servers?	Refer to Scope of Work section 5
145	LOUISCARRJR	Mainframe System Environment and Configuration	What is the current MIPS capacity any existing mainframes? By frame and total.	Both the primary and DR mainframes are built with the capacity of a 8562-T02 processor. The primary mainframe is processing at a N03 with a max CPC capacity of 164 MSU's. The DR mainframe CPC is an inactive A01 and fully activated to the max processing power when a CBU is activated for DR.
146	LOUISCARRJR	Mainframe System Environment and Configuration	How many LPARs?	Refer to Scope of Work section 5.1
147	LOUISCARRJR	Mainframe System Environment and Configuration	How much memory does the system have? Per LPAR?	The z15 CPC has 96GB total. Storage allocations for each LPAR are: Prod Coupling Facility has 3GB, Test Coupling Facility has 3GB, Prod1 has 30GB, Prod2 has 20GB, Test1 has 10GB, and Test2 has 10GB.
148	LOUISCARRJR	Mainframe System Environment and Configuration	What middleware and software is being used in the current environment?	Outside of the scope of this project. Refer to answer provided for vendor question #25.
149	LOUISCARRJR	Mainframe System Environment and Configuration	What is the average daily/monthly batch job volume?	Outside of the scope of this project. Refer to answer provided for vendor question #25, 28, and 29.
150	LOUISCARRJR	Mainframe System Environment and Configuration	What is the average batch job error/failure rate?	Outside of the scope of this project. Refer to answer provided for vendor question #25, 28, and 29.
151	LOUISCARRJR	Mainframe System Environment and Configuration	Is the system currently in a sysplex? How many coupling facilities?	Refer to Scope of Work section 5.1 and there is 1 coupling facility.
152	LOUISCARRJR	Mainframe System Environment and Configuration	Can you supply the IDOF? Detailed Hardware and Configuration Data	The IDOF is not public.
153	LOUISCARRJR	Mainframe System Environment and Configuration	Which storage system is in-use and how many of each? (DS8K, Flash system, Removable (Tape))	Refer to Scope of Work section 5.5
154	LOUISCARRJR	Mainframe System Environment and Configuration	What is the base storage allocated? Number of DASD volumes; clustered?	DASD volumes are configured as 3390-3 and 3390-9 volumes providing 22TB of usable disk storage for the mainframe. There are 2176 3390-3 disk volumes and 3390-9 disk volumes. All LPARs use the same IDOF with all volumes available to be used on any of the 4 LPARs.
155	LOUISCARRJR	Mainframe System Environment and Configuration	Number of Enterprise Storage Servers?	Refer to Scope of Work section 5.5
156	LOUISCARRJR	Mainframe System Environment and Configuration	What Tape Storage System/Library is being used?	Refer to Scope of Work section 5.5
157	LOUISCARRJR	Mainframe System Environment and Configuration	Number of non-mainframe systems (zSeries)?	All systems supported by the OCIO IBM Mainframe sysprog unit are IBM z/OS mainframe.
158	LOUISCARRJR	Mainframe System Environment and Configuration	How many Development/Test environments are currently configured?	Outside of the scope of this project. Refer to answer provided for vendor question #25.
159	LOUISCARRJR	Mainframe System Environment and Configuration	How frequently is the environment refreshed in Non-Prod? Daily/Weekly/Monthly?	Outside of the scope of this project. Refer to answer provided for vendor question #25.
160	LOUISCARRJR	Mainframe System Environment and Configuration	How many builds are being performed today in the environment (Integration/Dev or Unit/Acceptance)?	Outside of the scope of this project. Refer to answer provided for vendor question #25.



QUESTION_NBR	CREATED_BY	QUESTION_SUBJECT	QUESTION_TEXT	ANSWER_TEXT
161	LOUISCARRJR	Mainframe System Environment and Configuration	Is the non-Prod environment on-premises or in the cloud (IBM Wazi as a Service, etc.)?	On premise
162	LOUISCARRJR	Mainframe System Management Roles	What security software is being used? (RACF, ACF2, etc.).	RACF
163	LOUISCARRJR	Mainframe System Management Roles	How frequently are changes made to batch scheduling? Daily/Monthly/Annual?	Batch job scheduling is done by the OCIO Computer Operations staff.
164	LOUISCARRJR	Mainframe System Management Roles	How frequently are changes made to procedure libraries?	Procedure libraries are changed as part of the process to upgrade and/or apply maintenance to operating system, subsystems, CICS, and other products. Refer to Scope of Work section 7 for list of products.
165	LOUISCARRJR	Mainframe System Management Roles	How frequently are changes made to security privileges?	Outside of the scope of this project. OCIO is not intending to outsource RACF Administrator duties at this time.
166	LOUISCARRJR	Network	Is Network support required? If so, what type and how many of each? (i.e. Firewall, load balancers, switches, WAPs...)	No, Network support is handled by a different OCIO unit.
167	LOUISCARRJR	Network	What routing protocols are in use on the current network?	Network support is handled by a different OCIO unit.
168	LOUISCARRJR	Network	In a DR event, do subnets need to be moved between data centers, or can separate subnets be maintained? Example: application has hard coded IPs that cannot be changed, or hosts files are in use instead of DNS.	Network support is handled by a different OCIO unit and they have a process in place to address this.
169	LOUISCARRJR	Network	What are your load balancing requirements for HA and DR?	Network support is handled by a different OCIO unit.
170	LOUISCARRJR	Network	What is the estimated LAN bandwidth usage in a 24 hour period for the primary environment?	Network support is handled by a different OCIO unit.
171	LOUISCARRJR	Network	Is IPv6 implemented?	Network support is handled by a different OCIO unit.
172	LOUISCARRJR	Security	Does the data being installed/copied/migrated/processed contain PII/PHI?	Yes
173	LOUISCARRJR	Security	What are your encryption requirements for transport and storage? FIPS Level?	FIPS 140-3
174	LOUISCARRJR	Security	Is a centralized IAM solution in use? Cisco ISE, Active Directory, etc.	Active Directory
175	LOUISCARRJR	Security	Are there any security compliance or regulations that must be adhered to for this environment? (i.e. ITAR, FISMA, FedRAMP, ISO...etc)	FISMA
176	LOUISCARRJR	Security	Do you have vulnerability management implemented today? If so, what tool is used?	Tenable/Altiris
177	LOUISCARRJR	Storage	What are your record retention requirements, or what laws or governance is mandated?	7 years
178	LOUISCARRJR	Storage	Are off-site backups in scope (tape shipping) for the DR solution?	Refer to Scope of Work section 6.5.
179	LOUISCARRJR	Disaster Recovery	Is DR in scope - if so is there a copy of the current DR Plan/Procedure to review?	Supporting DR is. Refer to Scope of Work section 5.5 and 6.4. The DR plan is not public.
180	LOUISCARRJR	Disaster Recovery	What is the Recovery Time Objective (RTO) requirement?	8 - 12 hours via disk recovery, or 48-72 hours via tape recovery restores
181	LOUISCARRJR	Disaster Recovery	What is the Recovery Point Objective (RPO) requirement?	Both Coupling Facility LPARs and both production LPARs activated, operating, verified, and ready for OCIO's mainframe customer agencies to log into. OCIO will coordinate with customer agencies prior to starting their applications and tasks.
182	LOUISCARRJR	Disaster Recovery	How frequently are DR exercises conducted?	OCIO's IBM sysprog mainframe unit's goal is to test at least twice per year to verify the OCIO Mainframe team's test LPAR. Full DR tests are scheduled when OCIO customer agencies request one, usually no more than twice per year.
183	LOUISCARRJR	Disaster Recovery	What is the minimum separation distance requirement between the primary and DR site?	Not in the scope of this RFP
184	LOUISCARRJR	General	Are You looking for a modernization path forward?	Not in the scope of this RFP
185	LOUISCARRJR	General	Are you considering a move to the Cloud, and if so which Cloud?	No and not in the scope of this RFP
186	LOUISCARRJR	Mainframe System Environment and Configuration	Are you looking to upgrade your mainframe environment?	Yes, products will be upgraded to remain supported including z/OS, DB2, and CICS.
187	LOUISCARRJR	General	Is there any requirement for on-site resources or can work all be done remotely?	Refer to Scope of Work section 6.3.
188	MAINTEC	Registration Requirements	Are there any formal registration requirements to let you know of our participation?	Register in NevadaEPor in order to submit proposal is required.
189	MAINTEC	Resources via Offshore	Are vendors allowed to use some or all resources via offshore to deliver the services?	Vendor questions 12 and 15 address offshore questions. Also see section 6.8 of the RFP.