GUAM POWER AUTHORITY
ATURIDÅT ILEKTRESEDÅT GUAHAN
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August 01, 2017

**AMENDMENT NO.: IV**

**TO**

**REQUEST FOR PROPOSAL NO.: GPA-RFP-17-006**

**FOR**

**NETWORK PENETRATION TESTING AND VULNERABILITY ASSESSMENT**

Interested Firms/Individuals are hereby notified of the following response to inquiries received from NOPSEC dated June 22, 2017, Ernst & Young LLP dated June 22, 2017, Quantum Technology Group dated June 23, 2017 and July 12, 2017, IT&E dated June 26, 2017:

**NOPSEC dated June 22, 2017:**

**QUESTION:**

1. I just had a questions about the part that states "Affidavits must be signed within 60 days of the dated the proposals are due"

   Would this apply to us?

**ANSWER:**
Yes.

**Ernst & Young LLP dated June 22, 2017:**

| S/N | Ref Clause No. | Question |
|---|---|---|
| 1. | - | **QUESTION:**<br>• Are GPA and GWA two separate entities who have separate |

<table>
<tr><th>S/N</th><th>Ref Clause No.</th><th>Question</th></tr>
<tr><td></td><td></td><td>cybersecurity governance teams? Or are they one common entity with a single governance team and share common policies and procedures?<br><br>ANSWER:<br>• GPA and GWA are considered one consolidated utility, but have separate policies and procedures.</td></tr>
<tr><td>2.</td><td>-</td><td>QUESTION:<br>• Which corporate IT systems and which OT systems are within the scope of this assessment? How many systems in total are the Consultants expected to review?<br><br>ANSWER:
<table>
<tr><th>GPA</th><th>GWA</th></tr>
<tr><td>• More or less than 90 to 100 Servers. 130 to 140 wired network devices. 450 to 500 workstations</td><td>• Approximately 40 Server. 40 to 50 network devices and 400 to 460 workstations.</td></tr>
<tr><td>• 5 servers, 12 workstations, 2 NAS, and 2 cisco enterprise switches</td><td>• 3 Servers, 2 switches.</td></tr>
</table></td></tr>
<tr><td>3.</td><td>5.1</td><td>QUESTION:<br>• Can we clarify that GPWA has a set “Primary Control Procedures” that EY will review as part of the scope of work?<br><br>ANSWER:<br>• GPWA follows primary controls as listed in the Cyber Security Policy Directives.</td></tr>
<tr><td>4.</td><td>5.1.1</td><td>QUESTION:<br>• Are the Consultants expected to use NIST Controls as the framework for both the IT and OT systems/networks? Should the consultants propose using the same framework that will highlight the different compliance levels between the IT and OT systems?<br><br>ANSWER:<br>• That will be acceptable.</td></tr>
<tr><td>5.</td><td>5.1.1</td><td>QUESTION:<br>• The RFP indicated that detailed analyses will be performed on sampled network component (firewalls, routers and switches) configurations as part of Phase 1. However, this activity is repeated in Sections 5.3.4 Corporate Network Security Assessment – Host Based Review and</td></tr>
</table>

<table>
<tr><th>S/N</th><th>Ref Clause No.</th><th>Question</th></tr>
<tr><td></td><td></td><td>5.4.4 SCADA Network Security Assessment.<br>Please clarify.<br><br>ANSWER:<br>• Phase I is the review of network and host components. Section 5.3.4 falls under Phase III which is the penetration and vulnerability testing applicable to the Corporate IT network and to the SCADA network.</td></tr>
<tr><td>6.</td><td>5.1.1</td><td>QUESTION:<br>• The RFP states that the Consultants will be expected to conduct inspections of GPWA key facilities in Guam including inspection of remote sites. How many sites would need to be inspected?<br><br>ANSWER:
<table>
<tr><th>GPA</th><th>GWA</th></tr>
<tr><td>• Main location and 20 remote sites</td><td>• 3 locations and 13 remote sites</td></tr>
</table></td></tr>
<tr><td>7.</td><td>5.3.1, 5.4.1</td><td>QUESTION:<br>• Are the Consultants expected to perform a mobile application penetration test on Tablet clients? How many applications would need to be tested?<br><br>ANSWER:<br>• No testing of mobile clients is required.</td></tr>
<tr><td>8.</td><td>5.3.2, 5.4.2</td><td>QUESTION:<br>• The RFP indicated that a limited web application review is to be performed. What would the expected deliverables from a limited web application review be?<br><br>ANSWER:<br>• To determine any potential security vulnerabilities for web applications.</td></tr>
<tr><td>9.</td><td>5.3.4, 5.4.4</td><td>QUESTION:<br>• Please confirm that configuration reviews for network components i.e. firewalls, switches and routers are performed on a sampled size, and configuration reviews for servers/operating systems are to be performed on each server.<br><br>ANSWER:<br>• GPWA is agreeable to the above.</td></tr>
<tr><td>10.</td><td>5.3.4, 5.4.4</td><td>QUESTION:<br>• Does GPWA have defined security hardening baselines for all its assets? If not, what baselines should EY be using?</td></tr>
</table>

<table>
<tr><th>S/N</th><th>Ref Clause No.</th><th>Question</th></tr>
<tr><td></td><td></td><td>ANSWER:<ul><li>GPA and GWA does not have standard hardening guideline. Baselines should be based on NIST standards and Industry best practices.</li></ul></td></tr>
<tr><td>11.</td><td>5.3.4, 5.4.4</td><td>QUESTION:<ul><li>One of the activities as part of the Host Based Review is “Security baseline evaluation scripts”. What is the expected deliverable of this activity?</li></ul>ANSWER:<ul><li>To compare current configuration on network and host components with industry recommended baseline configurations.</li></ul></td></tr>
<tr><td>12.</td><td>5.3.4, 5.4.4</td><td>QUESTION:<ul><li>Can we have an indicative number of configuration reviews to be performed in total, inclusive of both IT and OT networks, of the following:</li></ul>▶ Firewalls<br>▶ Routers<br>▶ Switches<br>▶ Servers/Workstations/Operating systems<br><br>ANSWER:
<table>
<tr><th>GPA</th><th>GWA</th></tr>
<tr><td><ul><li>IT Network: More or less than 90 to 100 Servers. 130 to 140 wired network devices. 450 to 500 workstations</li></ul></td><td><ul><li>IT Network: Approximately 40 Server. 40 to 50 network devices and 400 to 460 workstations.</li></ul></td></tr>
<tr><td><ul><li>OT Network: 5 servers, 12 workstations, 2 NAS, and 2 cisco enterprise switches</li></ul></td><td><ul><li>OT Network: 3 Servers, 2 switches.</li></ul></td></tr>
</table>
</td></tr>
<tr><td>13.</td><td>5.3.4, 5.4.4</td><td>QUESTION:<ul><li>Can we have an indication of the brand, model and operating system type and version, inclusive of both IT and OT networks, of the following:</li></ul>▶ Firewalls<br>▶ Routers<br>▶ Switches<br>▶ Servers/Workstations/Operating systems<br><br>ANSWER:<ul><li>This is considered CONFIDENTIAL INFORMATION to be provided upon award of RFP.</li></ul></td></tr>
</table>

| S/N | Ref Clause No. | Question |
|---|---|---|
| 14. | 5.3.4, 5.4.4 | **QUESTION:**<br>• Would GPWA be comfortable with running scripts on the Servers/Workstations/Operating systems to extract the necessary information needed to perform the configuration review?<br><br>**ANSWER:**<br>• GPWA is agreeable. |
| 15. | 5.4.1 | **QUESTION:**<br>• Does GPWA have a test & development system for us to perform our penetration testing on? If not, will GPWA expect us to conduct penetration testing on live systems? If so, are we expected to only perform testing in scheduled windows?<br><br>**ANSWER:**<br>• For the Corporate Network, testing will be done, dependent on the application or system on either a live or test system and during scheduled times. For the SCADA Network, limited testing will be done. All testing will be done with prior approval and notification of GPWA team. |
| 16. | 5.4.1 | **QUESTION;**<br>• If EY is to test on a live system, we would prefer not to execute any exploits as verification of vulnerabilities within the live system. Would GPWA be ok with this?<br><br>**ANSWER:**<br>• For the Corporate Network, testing will be done on the live system during scheduled times and with prior approval and notification of GPWA team. |
| 17. | 5.4.2 | **QUESTION:**<br>• Is this section of the RFP supposed to refer to the SCADA hosts instead of the corporate externally facing hosts?<br><br>**ANSWER:**<br>• This section references the SCADA host only and not corporate facing host. |
| 18. | 5.4.2 | **QUESTION:**<br>• Are GPWA's SCADA systems internet accessible? If not, can we suggest that Section 5.4.2 be a network penetration test to assess if an attacker can traverse from the IT networks into the SCADA networks? |

<table>
<tr><th>S/N</th><th>Ref Clause No.</th><th>Question</th></tr>
<tr><td></td><td></td><td>ANSWER:<table><tr><td>GPA</td><td>GWA</td></tr><tr><td>• GPA SCADA is not accessible from the internet. Suggestion of transversal from IT to SCADA network is acceptable.</td><td>• GWA SCADA is accessible from the internet. Suggestion of transversal from IT to SCADA network is acceptable.</td></tr></table></td></tr>
<tr><td>19.</td><td>-</td><td>QUESTION:<br>Could you please provide us with total amount of IPs in scope?<br><br>ANSWER:<table><tr><td>GPA</td><td>GWA</td></tr><tr><td>• 48 subnets</td><td>• 11 subnets</td></tr></table></td></tr>
<tr><td>20.</td><td>-</td><td>QUESTION:<br>Could you please provide us with total amount of websites that need to be tested?<br><br>ANSWER:<table><tr><td>GPA</td><td>GWA</td></tr><tr><td>• 4</td><td>• 4</td></tr></table></td></tr>
</table>

**SC3 dated June 22, 2017**

**QUESTION:**

1. Regarding the requirement for seven (7) years company experience stated in section 7.1.1, may a company with fewer than seven years of security consulting experience submit a proposal if all proposed project team members have at least seven years experience combined at their prior company and current company?

**ANSWER:**

Review committee will take into account the overall team experience as compared to company.

**Quantum Technology Group dated June 23, 2017 & July 12, 2017:**

**QUESTION:**

1. Under 5 Scope of Work, the following is stated: Additionally, at the end of these activities, the CONSULTANT shall ensure that GPWA has the capabilities to:
    - Mitigate risk and liability
    - Protect corporate reputation/brand, and build trust with end users and business partners

- Manage threats proactively, and prevent network downtime and/or security incidents
- Enable compliance with regulatory or business partner/customer requirements, thereby avoiding financial penalties due to fines, violations of service level agreements, etc.
- Accelerate the secure use of new technologies with proven expertise
- Enhance staff productivity and build security operations expertise with shared resources and facilities which also optimizes OPEX/CAPEX
- Gain strong escalation capabilities for computer incident response and crisis management

Please confirm that the CONSULTANT will enable the above capabilities by either offering additional professional, technical and/or programming services beyond the scope of this Security Assessment engagement or by recommending IT solutions and technologies to enable GPA and GWA to acquire such capabilities.

**ANSWER:**

GPWA is open to additional options outside the scope of work as listed on the RFP.

**QUESTION:**

2. For Phase I, in order to assess IT processes, systems and operations we will need to understand GPA and GWA's IT staff roles & responsibilities to assess certain access controls as it relates to access to computer programs and data. Is this acceptable to GPA and GWA?

**ANSWER:**

This is acceptable.

**QUESTION:**

3. For Phase II Business Impact Analysis, can GPA and GWA provide a business model or Functional Hierarchy diagram along with Organizational Charts so we can understand the scope of this business process analysis?

**ANSWER:**

A functional hierarchy and organizational chart can be provided upon award of the RFP.

**QUESTION:**

4. Please confirm a separate penetration test and vulnerability assessment is required for both the Phase III corporate network security assessment and Phase IV SCADA network security assessment.

**ANSWER:**

A separate penetration test and vulnerability assessment will be required for the Corporate Network and SCADA OT network.

**QUESTION:**

5. Regarding 5.1 PHASE I: Information Technology/Operational Technology (IT/OT) Process, and Application and Infrastructure Assessment, Please provide a copy of "Primary Control Procedures" in order to scope our RFP response properly. If a copy is not available, please describe the number, depth, and detail of controls in this ITGC catalog.

**ANSWER:**

Please refer to IT general Control Framework in the US Sarbanes-Oxley Information Technology General Controls (ITGC).

**QUESTION:**

6. Regarding section 5.1.1, What IT General Controls Framework should be used? Is the choice at the discretion of the bidding vendor?

**ANSWER:**

IT general Control Framework should follow the US Sarbanes-Oxley Information Technology General Controls (ITGC).

**QUESTION:**

7. Should the ITGC assessment cover an entire ITGC catalog, or be limited to the following areas:

    a. Per section 5.1.1, the CONSULTANT'S scope is limited to the devices considered high risk by the risk assessment. What device types are considered high risk and how many devices (for each type) are considered high risk?

    b. What sampling methodology would be acceptable to GPWA?

**ANSWER:**

a. Classification of which devices to be considered high risk will be determined by the risk assessment as per Phase I and Phase II.

b. Sampling methodology will be determined by the Consultant and should provide reasonable assurance that the results are representative of the total population of devices.

**QUESTION:**

8. Regarding section 5.1.1,

    a. The network penetration testing and vulnerability assessment can be conducted remotely via VPN access to your networks. Is this acceptable?

    b. Travel to Guam will be required for various activities related to the Corporate Network and SCADA Network Security assessment. These travel-related costs would be included in the cost of the proposed engagement. Is this acceptable?

    c. What standards are to be used for the physical security assessment?

d. Should the bidding vendor select a separate standard or use the ITGC framework selected in question 6 above?

e. How many total facilities are in scope for physical security reviews? Where are the sites located?

f. Is this a controls assessment (audit) or a process review?

**ANSWER:**

a. VPN access to remotely conduct network penetration and vulnerability assessment is not allowed.

b. All out of pocket expenses shall be included in the total cost of the project.

c. IT General Controls Framework.

d. IT General Controls Framework shall be used.

e.

| GPA | GWA |
|---|---|
| 38 locations all in Guam | 15 locations all in Guam |

f. Controls Assessment.

**QUESTION:**

9. Request for GPWA to provide the number of systems and applications currently in production. Please complete attached Application form for each system or application that is included in the scope of assessment. Reference Attachment A at the end of this document.

**ANSWER:**

Kindly refer to completed Attachment A.

**QUESTION:**

10. Regarding section 5.2,

    a. What are GPWA's business industries (for tailoring)?

    b. What regulatory requirements are applicable?

    c. How many contracts and SLAs are in scope? Please provide a list of contracts, descriptions and SLA provisions.

**ANSWER:**

a. For GPA the industry is power utility. For GWA the industry is water utility.

b. GPA and GWA is included under Homeland Security Critical Infrastructure Protection (CIP).

c.

| GPA | GWA |
|---|---|
| None | None |

**QUESTION:**

11. Regarding section 5.3.1,

    a. How many networks are in scope?

    b. How many servers, workstations, and network devices are in scope?

    c. How many tablet clients?

    d. At how many physical locations?

    e. Why are both publically available and proprietary tools required?

    f. What proprietary tools should be employed?

    g. Is the internal network assessment required to be conducted onsite? At which locations?

**ANSWER:**

a.

| GPA | GWA |
|---|---|
| 48 subnets are in scope | 11 subnets are in scope |

b.

| GPA | GWA |
|---|---|
| Approximately 100 Servers. 140 wired network devices. 450 to 500 workstations | Approximately 40 Server. 40 to 50 network devices and 400 to 460 workstations. |

c. This will not be part of scope.

d.

| GPA | GWA |
|---|---|
| 5 locations | 15 locations |

e. Proponent can utilize publically available or proprietary tools as needed.

f. Proprietary tools as required by the Proponent to accomplish the scope of work.

g. To be conducted on site.

**QUESTION:**

12. Regarding section 5.3.2,

    a. How many external IP addresses are in scope?

    b. What does "execute local attacks" mean? Does it mean to attack individual hosts? Does it mean privilege escalation?

**ANSWER:**

a.

| GPA | GWA |
|---|---|
| 36 External IP's | None |

b. To "execute local attacks" means to exploit any potential vulnerabilities against a host to include privilege escalation.

**QUESTION:**

13. Regarding section 5.3.3

    a. What are the business objectives of the GPA and GWA in reference to security requirements?

    b. For the GPA and GWA: How many employees? How many office locations?

    c. What is the current maturity level of GPA and GWA's security architecture? (eg; beginning, defined and implemented, optimized)

    d. Please elaborate on this requirement: *Perform a gap analysis of security controls design and implementation adequacy.* Is this meant to be a part of architecture review? Does this step require detailed controls assessment?

**ANSWER:**

a. To ensure that GPA and GWA business processes and objectives comply with GPWA's Cyber Security Policy.

b.

| GPA | GWA |
|---|---|
| For GPA Employees are 470 and 6 office locations. | For GWA Employees are 321 and 8 office locations. |

c. This is considered **CONFIDENTIAL INFORMATION** to be provided upon award of RFP.

d. The gap analysis of security controls will be part of the System Architecture Review. This does not have to be a detailed control assessment.

**QUESTION:**

14. Regarding section 5.3.4, (CORPORATE NETWORK)

    a. How many hosts are in scope for this portion of the project?

    b. Please provide # of servers per platform.

**ANSWER:**

a.

| GPA | GWA |
|---|---|
| More or less than 90 to 100 Servers. 130 to 140 wired network devices. 450 to 500 workstations | Approximately 40 Server. 40 to 50 network devices and 400 to 460 workstations. |

b.

GPA

| | |
|---|---|
| Win 2008 (32 & 64bit) | 50 |
| Win 2012 (64bit) | 14 |
| Win 7 (32 & 64bit) | 4 |
| Win 2003 (32bit) | 4 |
| Red Hat Ent Linux (64bit) | 20 |
| Centos Linux | 1 |
| Other Linux (64bit) | 3 |
| SUSE Linux | 1 |
| Debian Linux | 1 |

GWA

| | |
|---|---|
| Windows 2008 (32 & 64bit) | 4 |
| Windows 2012 (64bit) | 38 |
| Windows 2003 (32bit) | 1 |
| Windows 7 | 1 |

**QUESTION:**

15. Regarding section 5.4.1 (SCADA NETWORK)

    a. How many networks are in scope?

    b. How many servers, workstations, and network devices are in scope?

    c. How many tablet clients?

    d. At how many physical locations?

    e. Why are publically available and proprietary tools required?

    f. What proprietary tools should be employed?

    g. Does GPWA require the internal network assessment be conducted onsite? At which locations?

**ANSWER:**

a.

| GPA | GWA |
|---|---|
| 2 network | 3 networks |

b.

| GPA | GWA |
|---|---|
| 5 servers, 12 workstations, 2 NAS, and 2 cisco enterprise switches | 3 Servers, 2 switches. |

c. This will not be part of scope.

d.

| GPA | GWA |
|---|---|
| Main location and 20 remote sites | 3 locations and 13 remote sites |

e. Kindly refer to answer to Question 11 above.

f. Kindly refer to answer to Question 11 above.

g. Kindly refer to answer to Question 11 above.

**QUESTION:**

16. Regarding section 5.4.2 (SCADA NETWORK)

    a. How many external IP addresses are in scope?

    b. What does "execute local attacks" mean? Does that mean to attack individual hosts? Does it mean privilege escalation?

**ANSWER:**

a.

| GPA | GWA |
|---|---|
| 0 | 40 |

b. To "execute local attacks" means to exploit any potential vulnerabilities against a host to include privilege escalation.

**QUESTION:**

17. Regarding section 6 – Deliverables

    a. Is the final oral briefing to be done in person or can it be done over remote conference call?

**ANSWER:**

a. The final oral briefing shall be done in person.

**Network Penetration Testing Section**

**QUESTION:**

1. How Many of the following components are in place at GPWA?
   a. Web Servers
   b. Application Servers
   c. Database Servers
   d. Load Balancers
   e. Firewalls
   f. Routers
   g. IP Gateways
   h. XML Gateways
   i. Message-Oriented Middleware

**ANSWER:**

| | GPA | GWA |
|---|---|---|
| a. Web Servers | 4 | 5 |
| b. Application Servers | 2 | 7 |
| c. Database Servers | 3 | 5 |
| d. Load Balancers | 0 | 0 |
| e. Firewalls | 8 | 2 |
| f. Routers | 6 | 23 |
| g. IP Gateways | None | None |
| h. XML Gateways | None | None |
| i. Message-Oriented Middleware | None | None |

**QUESTION:**

2. Where is the GPA and GWA infrastructure hosted? GPWA data centers, Service Provider-hosted, etc.

**ANSWER:**

| GPA | GWA |
|---|---|
| Data Center is in Fadian Mangilao. No outside hosted solution. | Data Center is in Fadian Mangilao. No outside hosted solution. |

**QUESTION:**

3. Does GPA and GWA infrastructure consist of virtual or/and bare-metal servers?

**ANSWER:**

| GPA | GWA |
|---|---|
| Both Types | Both Types |

**QUESTION:**

4. Do GPA and GWA currently have Cloud infrastructure or Infrastructure-As-A- Service solutions?

**ANSWER:**

| GPA | GWA |
|---|---|
| No | No |

**QUESTION:**

5. Is there a centralized security infrastructure in place for GPA and GWA? What type?

**ANSWER:**

GPWA is utilizing a layered defense approach for Security Infrastructure with centralized monitoring.

**QUESTION:**

6. Is there a centralized logging infrastructure?

**ANSWER:**

| GPA | GWA |
|---|---|
| Yes | Yes |

**QUESTION:**

7. How far back in time do the system logs extend for GPA and GWA?

**ANSWER:**

| GPA | GWA |
|---|---|
| 90 days | Default settings/Overwrite events as needed |

**QUESTION:**

8. Do GPA and GWA have logs for all potentially impacted components?

**ANSWER:**

GPA and GWA has logs for potentially impacted components.

**QUESTION:**

9. Do GPA and GWA have monitoring solutions in place (eg; network traffic, requests per second, etc)?

**ANSWER:**

| GPA | GWA |
|---|---|
| Yes | Yes |

**QUESTION:**

10. Do GPA and GWA servers have backups processes? Are they manual or automated?

**ANSWER:**

GPA and GWA have both automated and manual server backup processes in place.

**QUESTION:**

11. Do all GPA and GWA servers have a host-based Intrusion Detection System? If yes, please provide vendor name, product name and description, and version.

**ANSWER:**

| GPA | GWA |
|---|---|
| Yes | Yes |

Vendor detail and product name is considered ***CONFIDENTIAL INFORMATION*** to be provided upon award of RFP.

**QUESTION:**

12. Has GPA or GWA noticed any indicators of compromise?

**ANSWER:**

This is considered ***CONFIDENTIAL INFORMATION*** to be provided upon award of RFP.

**QUESTION:**

13. Do GPA and GWA have a Disaster Recovery Plan and related processes in place?

**ANSWER:**

GPA and GWA does not currently have a Disaster Recovery Plan.

**QUESTION:**

14. If so, how frequently do GPA and GWA test its Disaster Recovery Plan and processes?

**ANSWER:**

N/A

**QUESTION:**

15. Do GPA and GWA have forensic-grade images of the servers in scope for this assessment? If not, is GPA and GWA able to make forensic-grade system images?

**ANSWER:**

GPA and GWA does not have forensic grade images and is not able to make forensic grade images.

**QUESTION:**

16. Are the networks under test internal or external?
    - If internal, can we access these networks via VPN or similar service?

**ANSWER:**

Networks to be tested are internal and access are to be done on site and not thru off site VPN connection.

**QUESTION:**

17. How many networks by CIDR (Classless Inter-Domain Routing) or simple ranges are there?

**ANSWER:**

| GPA | GWA |
|---|---|
| 48 subnets | 11 Subnets |

**QUESTION:**

18. How many live IPs are within the network?

**ANSWER:**

| GPA | GWA |
|---|---|
| 48 subnets | 11 Subnets |

**QUESTION:**

19. Are there any IP ranges within the above that should not be tested?

**ANSWER:**

| GPA | GWA |
|---|---|
| No | No |

**QUESTION:**

20. Does the network have any of the following in between the bidding vendor's scanning software and the device? How many of each device type?

    - Firewalls
    - IDS
    - IPS
    - Proxies
    - Taps
    - Switches

**ANSWER:**

GPA and GWA have Firewalls, IDS, Proxies and Switches. Actual location will be dependent upon insertion of scanning software. Device count will be released upon award of RFP.

**QUESTION:**

21. What protocols are under test? TCP, UDP, SCTP, etc.?

**ANSWER:**

Protocols to test are TCP and UDP. All others will be considered out of scope.

**QUESTION:**

22. Are the devices using a common IP address pool (Virtual Switch Redundancy Protocol, Common Address Redundancy Protocol, etc.)?

**ANSWER:**

Yes.

**QUESTION:**

23. Are there any network services that should be specifically focused on?

**ANSWER:**

| GPA | GWA |
|---|---|
| None specifically | None specifically |

**QUESTION:**

24. Is there out-of-band monitoring for the devices in question?

**ANSWER:**

There are no out of band devices for both GPA and GWA.

**QUESTION:**

25. Are there centralized logging or monitoring systems that may be impacted by the testing? Please specify vendor, product name and version.

**ANSWER:**

GPA and GWA both employ separate centralized monitoring system with might be impacted by the testing. Specific information on such devices will be released upon award of RFP.

**QUESTION:**

26. How much should the bidding vendor pivot during testing?

**ANSWER:**

This is up to the bidder and their proposal.

**QUESTION:**

27. Should Common Vulnerabilities and Exposures (CVEs) be exploited or simply noted for testing?

**ANSWER:**

All potential vulnerabilities should be identified and noted and the GPWA team will determine which will be exploited.

**QUESTION:**

28. Do you need the output from any tools, or network traffic samples captured during testing?

**ANSWER:**

All testing output from tools, network analysis and other related material should be available if requested.

**QUESTION:**

29. There are only 10 business days between the deadlines for submission of inquiries and RFP responses. Given the number of questions we are submitting and considering the time it may take GPA and GWA to respond, we are question for the RFP response deadline to be extended to July 28, 2017.

**ANSWER:**

Kindly refer to Amendment No.: II.

**IT&E dated June 26, 2017**

**QUESTION:**

1. I noticed on the bid instructions/requirements that there is no requirement for a bid bond. Is this correct? Please confirm.

**ANSWER:**

A Bid Guarantee is not required in this Procurement.

All other Terms and Conditions in the bid package shall remain unchanged and in full force.

JOHN M. BENAVENTE, P.E.
General Manager

**Attachment A. Complete for each application currently in use by GPA and GWA**

**APPLICATION 1 ASSESSMENT SCOPING QUESTIONS**

***Application Purpose and Function***

| | |
|---|---|
| **Application Name:** | ORACLE Customer Care & Billing (GPA & GWA) |
| **Type of Application (Check all that apply):** | ☒ Web Application<br>☐ Thick Client<br>☐ Local Desktop<br>☐ Mobile – Web App<br>☐ Mobile - Native<br>☐ Mobile - Hybrid<br>☐ Infrastructure Only |
| **Provide the business function of the application:** | GPWA RESPONSE: GPWA Customer Information and Billing System |
| **List all user roles associated with the application** | GPWA RESPONSE: To be provided upon award of RFP. |
| **Name of company/member firm that developed the application:** | GPWA RESPONSE: ORACLE |

***Application Technical Details***

| | |
|---|---|
| **Development Language(s) (Java, C#, Objective C)** | GPWA RESPONSE: Java |
| **Note any frameworks or middleware the application is built on (Sharepoint, Telerik, Oracle, Phonegap, Weblogic, Struts):** | GPWA RESPONSE: Oracle WebLogic, SharePoint, Struts |
| **Database(s) (i.e. MS SQL, MongoDB, SQLite, UDB, Oracle)** | GPWA RESPONSE: Oracle DB |
| **Approximate lines of code (excluding commented code and blank lines)** | GPWA RESPONSE: Not available |
| **Approximate number of dynamic pages (Also identify if heavy usage of AJAX)** | GPWA RESPONSE: Not available |
| **Number and type (i.e. SOAP, RESTful, JSON) of web services:** | GPWA RESPONSE: Not available |

*Scope of Assessment*

| | |
|---|---|
| **Components to Assess (Select all that apply)** | ☒ Infrastructure<br>☒ Web Application<br>☒ Client Application<br>☒ Web Services |
| **Can/will you provide source code?** | GPWA RESPONSE: This will not be provided. |
| **Can/will you provide design documentation?** | GPWA RESPONSE: This will not be provided. |
| **Can/will you provide penetration tester with compiled binaries or a configured VM image for installation? (Not required for web applications)** | GPWA RESPONSE: This will not be provided. |
| **Allowed time window for pen test (state "Open" if there is no required time window)** | GPWA RESPONSE: Time window for testing will be determined by GPWA team. |
| **Note any items that may impair pen tester's progress (upgrades, planned maintenance, QA testing, performance testing, time restrictions (i.e. can only test during US business hours))** | GPWA RESPONSE: Time window for testing will be determined by GPWA team. |

*Application Environment*

| | |
|---|---|
| **URL** | GPWA RESPONSE: To be provided upon award of RFP. |
| **Number of user interfaces (typically defined as number of entry points for the application (i.e. if web application has a separate admin login page, mobile application has multiple platforms etc.)** | GPWA RESPONSE: To be provided upon award of RFP. |
| **Environment to be tested (Stage is preferred)** | GPWA RESPONSE: Test Environment |
| **User Name of Accounts (Note: Provide 2 accounts per role, application team is responsible for procuring accounts, please provide passwords separately)** | GPWA RESPONSE: To be provided upon award of RFP. |
| **Is the application internet facing or will it require VPN access?** | GPWA RESPONSE: Internal access application. |
| **Does application make use of CDN (i.e. Akamai)?** | GPWA RESPONSE: No. |

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|---|---|
| **Does application make use of a Web Application Firewall? If so, can it be disabled or pen tester be whitelisted?** | GPWA RESPONSE: No. |
| **Is there any other sort of connectivity such a file imports, data feeds, third party connectivity or integration with SaaS solutions we should be aware of?** | GPWA RESPONSE: No. |
| **Does application integrate with an authentication provider such as ADFS? If so, please describe.** | GPWA RESPONSE: No. |

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|---|---|
| **Application Name:** | ORACLE WebLogic (GPA & GWA) |
| **Type of Application (Check all that apply):** | ☒ Web Application<br>☐ Thick Client<br>☐ Local Desktop<br>☐ Mobile – Web App<br>☐ Mobile - Native<br>☐ Mobile - Hybrid<br>☐ Infrastructure Only |
| **Provide the business function of the application:** | GPWA RESPONSE: WEB integration for CC&B. |
| **List all user roles associated with the application** | GPWA RESPONSE: To be provided upon award of RFP. |
| **Name of company/member firm that developed the application:** | GPWA RESPONSE: ORACLE |

***Application Technical Details***

| | |
|---|---|
| **Development Language(s) (Java, C#, Objective C)** | GPWA RESPONSE: Java |
| **Note any frameworks or middleware the application is built on (Sharepoint, Telerik, Oracle, Phonegap, Weblogic, Struts):** | GPWA RESPONSE: Oracle WebLogic |
| **Database(s) (i.e. MS SQL, MongoDB, SQLite, UDB, Oracle)** | GPWA RESPONSE: N/A |
| **Approximate lines of code (excluding commented code and blank lines)** | GPWA RESPONSE: Not available |
| **Approximate number of dynamic pages (Also identify if heavy usage of AJAX)** | GPWA RESPONSE: Not available |

| | |
|---|---|
| **Number and type (i.e. SOAP, RESTful, JSON) of web services:** | GPWA RESPONSE: Not available |

*Scope of Assessment*

| | |
|---|---|
| **Components to Assess (Select all that apply)** | ☒ Infrastructure<br>☒ Web Application<br>☐ Client Application<br>☐ Web Services |
| **Can/will you provide source code?** | GPWA RESPONSE: This will not be provided. |
| **Can/will you provide design documentation?** | GPWA RESPONSE: This will not be provided. |
| **Can/will you provide penetration tester with compiled binaries or a configured VM image for installation? (Not required for web applications)** | GPWA RESPONSE: This will not be provided. |
| **Allowed time window for pen test (state "Open" if there is no required time window)** | GPWA RESPONSE: Time window for testing will be determined by GPWA team. |
| **Note any items that may impair pen tester's progress (upgrades, planned maintenance, QA testing, performance testing, time restrictions (i.e. can only test during US business hours))** | GPWA RESPONSE: Time window for testing will be determined by GPWA team. |

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|---|---|
| **URL** | GPWA RESPONSE: To be provided upon award of RFP. |
| **Number of user interfaces (typically defined as number of entry points for the application (i.e. if web application has a separate admin login page, mobile application has multiple platforms etc.)** | GPWA RESPONSE: To be provided upon award of RFP. |
| **Environment to be tested (Stage is preferred)** | GPWA RESPONSE: Test Environment |
| **User Name of Accounts (Note: Provide 2 accounts per role, application team is responsible for procuring accounts, please provide passwords separately)** | GPWA RESPONSE: To be provided upon award of RFP. |

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|---|---|
| **Is the application internet facing or will it require VPN access?** | GPWA RESPONSE: Internal access application. |
| **Does application make use of CDN (i.e. Akamai)?** | GPWA RESPONSE: No. |
| **Does application make use of a Web Application Firewall? If so, can it be disabled or pen tester be whitelisted?** | GPWA RESPONSE: No. |
| **Is there any other sort of connectivity such a file imports, data feeds, third party connectivity or integration with SaaS solutions we should be aware of?** | GPWA RESPONSE: No. |
| **Does application integrate with an authentication provider such as ADFS? If so, please describe.** | GPWA RESPONSE: No. |
| **Application Name:** | ORACLE JD&E (GPA and GWA) |
| **Type of Application (Check all that apply):** | ☒ Web Application<br>☐ Thick Client<br>☒ Local Desktop<br>☐ Mobile – Web App<br>☐ Mobile - Native<br>☐ Mobile - Hybrid<br>☐ Infrastructure Only |
| **Provide the business function of the application:** | GPWA RESPONSE: GPWA ERP system for core accounting, asset tracking, work order, payroll, budget and reporting. |
| **List all user roles associated with the application** | GPWA RESPONSE: To be provided upon award of RFP. |
| **Name of company/member firm that developed the application:** | GPWA RESPONSE: ORACLE |

***Application Technical Details***

| | |
|---|---|
| **Development Language(s) (Java, C#, Objective C)** | GPWA RESPONSE: Not available |
| **Note any frameworks or middleware the application is built on (Sharepoint, Telerik, Oracle, Phonegap, Weblogic, Struts):** | GPWA RESPONSE: Not available |
| **Database(s) (i.e. MS SQL, MongoDB, SQLite, UDB, Oracle)** | GPWA RESPONSE: DB2 |
| **Approximate lines of code (excluding commented code and blank lines)** | GPWA RESPONSE: Not available |

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|---|---|
| **Approximate number of dynamic pages (Also identify if heavy usage of AJAX)** | GPWA RESPONSE: Not available |
| **Number and type (i.e. SOAP, RESTful, JSON) of web services:** | GPWA RESPONSE: Not available |

*Scope of Assessment*

| | |
|---|---|
| **Components to Assess (Select all that apply)** | ☐ Infrastructure<br>☒ Web Application<br>☒ Client Application<br>☐ Web Services |
| **Can/will you provide source code?** | GPWA RESPONSE: This will not be provided. |
| **Can/will you provide design documentation?** | GPWA RESPONSE: This will not be provided. |
| **Can/will you provide penetration tester with compiled binaries or a configured VM image for installation? (Not required for web applications)** | GPWA RESPONSE: This will not be provided. |
| **Allowed time window for pen test (state "Open" if there is no required time window)** | GPWA RESPONSE: Time window for testing will be determined by GPWA team. |
| **Note any items that may impair pen tester's progress (upgrades, planned maintenance, QA testing, performance testing, time restrictions (i.e. can only test during US business hours))** | GPWA RESPONSE: Time window for testing will be determined by GPWA team. |

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|---|---|
| **URL** | GPWA RESPONSE: To be provided upon award of RFP. |
| **Number of user interfaces (typically defined as number of entry points for the application (i.e. if web application has a separate admin login page, mobile application has multiple platforms etc.)** | GPWA RESPONSE: To be provided upon award of RFP. |
| **Environment to be tested (Stage is preferred)** | GPWA RESPONSE: Test Environment |
| **User Name of Accounts (Note: Provide 2 accounts per role, application team is responsible for** | GPWA RESPONSE: To be provided upon award of RFP. |

| | |
|---|---|
| **procuring accounts, please provide passwords separately)** | |
| **Is the application internet facing or will it require VPN access?** | GPWA RESPONSE: Internal access application. |
| **Does application make use of CDN (i.e. Akamai)?** | GPWA RESPONSE: No. |
| **Does application make use of a Web Application Firewall? If so, can it be disabled or pen tester be whitelisted?** | GPWA RESPONSE: No. |
| **Is there any other sort of connectivity such a file imports, data feeds, third party connectivity or integration with SaaS solutions we should be aware of?** | GPWA RESPONSE: No. |
| **Does application integrate with an authentication provider such as ADFS? If so, please describe.** | GPWA RESPONSE: No. |

| | |
|---|---|
| **Application Name:** | Microsoft Exchange Server 2013 (GPA Only) |
| **Type of Application (Check all that apply):** | ☒ Web Application<br>☐ Thick Client<br>☐ Local Desktop<br>☐ Mobile – Web App<br>☐ Mobile - Native<br>☐ Mobile - Hybrid<br>☐ Infrastructure Only |
| **Provide the business function of the application:** | GPWA RESPONSE: EMAIL Server |
| **List all user roles associated with the application** | GPWA RESPONSE: To be provided upon award of RFP. |
| **Name of company/member firm that developed the application:** | GPWA RESPONSE: Microsoft |

***Application Technical Details***

| | |
|---|---|
| **Development Language(s) (Java, C#, Objective C)** | GPWA RESPONSE: Not available |
| **Note any frameworks or middleware the application is built on (Sharepoint, Telerik, Oracle, Phonegap, Weblogic, Struts):** | GPWA RESPONSE: Not available |

| | |
|---|---|
| **Database(s) (i.e. MS SQL, MongoDB, SQLite, UDB, Oracle)** | GPWA RESPONSE: Not available |
| **Approximate lines of code (excluding commented code and blank lines)** | GPWA RESPONSE: Not available |
| **Approximate number of dynamic pages (Also identify if heavy usage of AJAX)** | GPWA RESPONSE: Not available |
| **Number and type (i.e. SOAP, RESTful, JSON) of web services:** | GPWA RESPONSE: Not available |

***Scope of Assessment***

| | |
|---|---|
| **Components to Assess (Select all that apply)** | ☐ Infrastructure<br>☒ Web Application<br>☐ Client Application<br>☐ Web Services |
| **Can/will you provide source code?** | GPWA RESPONSE: This will not be provided. |
| **Can/will you provide design documentation?** | GPWA RESPONSE: This will not be provided. |
| **Can/will you provide penetration tester with compiled binaries or a configured VM image for installation? (Not required for web applications)** | GPWA RESPONSE: This will not be provided. |
| **Allowed time window for pen test (state "Open" if there is no required time window)** | GPWA RESPONSE: Time window for testing will be determined by GPWA team. |
| **Note any items that may impair pen tester's progress (upgrades, planned maintenance, QA testing, performance testing, time restrictions (i.e. can only test during US business hours))** | GPWA RESPONSE: Time window for testing will be determined by GPWA team. |

***Application Environment***

| | |
|---|---|
| **URL** | GPWA RESPONSE: To be provided upon award of RFP. |
| **Number of user interfaces (typically defined as number of entry points for the application (i.e. if web application has a separate admin login page, mobile** | GPWA RESPONSE: To be provided upon award of RFP. |

| | |
|---|---|
| **application has multiple platforms etc.)** | |
| **Environment to be tested (Stage is preferred)** | GPWA RESPONSE: Production environment. |
| **User Name of Accounts (Note: Provide 2 accounts per role, application team is responsible for procuring accounts, please provide passwords separately)** | GPWA RESPONSE: This will not be provided. |
| **Is the application internet facing or will it require VPN access?** | GPWA RESPONSE: This application is internet facing. |
| **Does application make use of CDN (i.e. Akamai)?** | GPWA RESPONSE: No. |
| **Does application make use of a Web Application Firewall? If so, can it be disabled or pen tester be whitelisted?** | GPWA RESPONSE: No. |
| **Is there any other sort of connectivity such a file imports, data feeds, third party connectivity or integration with SaaS solutions we should be aware of?** | GPWA RESPONSE: No. |
| **Does application integrate with an authentication provider such as ADFS? If so, please describe.** | GPWA RESPONSE: No. |

## APPLICATION N ASSESSMENT SCOPING QUESTIONS

### *Application Purpose and Function*

| | |
|---|---|
| **Application Name:** | Command Center (GPA Only) |
| **Type of Application (Check all that apply):** | ☒ Web Application<br>☐ Thick Client<br>☐ Local Desktop<br>☐ Mobile – Web App<br>☐ Mobile - Native<br>☐ Mobile - Hybrid<br>☐ Infrastructure Only |
| **Provide the business function of the application:** | GPWA RESPONSE: Management of meter data and control. |
| **List all user roles associated with the application** | GPWA RESPONSE: To be provided upon award of RFP. |
| **Name of company/member firm that developed the application:** | GPWA RESPONSE: Landis & Gyr |

*Application Technical Details*

| | |
|---|---|
| **Development Language(s) (Java, C#, Objective C)** | GPWA RESPONSE: Not available |
| **Note any frameworks or middleware the application is built on (Sharepoint, Telerik, Oracle, Phonegap, Weblogic, Struts):** | GPWA RESPONSE: Not available |
| **Database(s) (i.e. MS SQL, MongoDB, SQLite, UDB, Oracle)** | GPWA RESPONSE: SQL |
| **Approximate lines of code (excluding commented code and blank lines)** | GPWA RESPONSE: Not available |
| **Approximate number of dynamic pages (Also identify if heavy usage of AJAX)** | GPWA RESPONSE: Not available |
| **Number and type (i.e. SOAP, RESTful, JSON) of web services:** | GPWA RESPONSE: Not available |

*Scope of Assessment*

| | |
|---|---|
| **Components to Assess (Select all that apply)** | ☐ Infrastructure<br>☒ Web Application<br>☐ Client Application<br>☐ Web Services |
| **Can/will you provide source code?** | GPWA RESPONSE: This will not be provided. |
| **Can/will you provide design documentation?** | GPWA RESPONSE: This will not be provided. |
| **Can/will you provide penetration tester with compiled binaries or a configured VM image for installation? (Not required for web applications)** | GPWA RESPONSE: This will not be provided. |
| **Allowed time window for pen test (state "Open" if there is no required time window)** | GPWA RESPONSE: Time window for testing will be determined by GPWA team. |
| **Note any items that may impair pen tester's progress (upgrades, planned maintenance, QA testing, performance testing, time restrictions (i.e. can only test during US business hours))** | GPWA RESPONSE: Time window for testing will be determined by GPWA team. |

*Application Environment*

| | |
|---|---|
| **URL** | GPWA RESPONSE: Information to be provided upon award of RFP. |
| **Number of user interfaces (typically defined as number of entry points for the application (i.e. if web application has a separate admin login page, mobile application has multiple platforms etc.)** | GPWA RESPONSE: Information to be provided upon award of RFP. |
| **Environment to be tested (Stage is preferred)** | GPWA RESPONSE: Production environment. |
| **User Name of Accounts (Note: Provide 2 accounts per role, application team is responsible for procuring accounts, please provide passwords separately)** | GPWA RESPONSE: To be provided upon award of RFP. |
| **Is the application internet facing or will it require VPN access?** | GPWA RESPONSE: Not internet facing. |
| **Does application make use of CDN (i.e. Akamai)?** | GPWA RESPONSE: No. |
| **Does application make use of a Web Application Firewall? If so, can it be disabled or pen tester be whitelisted?** | GPWA RESPONSE: No. |
| **Is there any other sort of connectivity such a file imports, data feeds, third party connectivity or integration with SaaS solutions we should be aware of?** | GPWA RESPONSE: No. |
| **Does application integrate with an authentication provider such as ADFS? If so, please describe.** | GPWA RESPONSE: No. |

*Application Purpose and Function*

| | |
|---|---|
| **Application Name:** | Meter Data Management System (GPA Only) |
| **Type of Application (Check all that apply):** | ☒ Web Application<br>☐ Thick Client<br>☐ Local Desktop<br>☐ Mobile – Web App<br>☐ Mobile - Native<br>☐ Mobile - Hybrid<br>☐ Infrastructure Only |
| **Provide the business function of the application:** | GPWA RESPONSE: Management of meter data and control. |

| | |
|---|---|
| **List all user roles associated with the application** | GPWA RESPONSE: To be provided upon award of RFP. |
| **Name of company/member firm that developed the application:** | GPWA RESPONSE: MeterSense |

***Application Technical Details***

| | |
|---|---|
| **Development Language(s) (Java, C#, Objective C)** | GPWA RESPONSE: Not available |
| **Note any frameworks or middleware the application is built on (Sharepoint, Telerik, Oracle, Phonegap, Weblogic, Struts):** | GPWA RESPONSE: Not available |
| **Database(s) (i.e. MS SQL, MongoDB, SQLite, UDB, Oracle)** | GPWA RESPONSE: Oracle DB |
| **Approximate lines of code (excluding commented code and blank lines)** | GPWA RESPONSE: Not available |
| **Approximate number of dynamic pages (Also identify if heavy usage of AJAX)** | GPWA RESPONSE: Not available |
| **Number and type (i.e. SOAP, RESTful, JSON) of web services:** | GPWA RESPONSE: Not available |

***Scope of Assessment***

| | |
|---|---|
| **Components to Assess (Select all that apply)** | ☐ Infrastructure<br>☒ Web Application<br>☐ Client Application<br>☐ Web Services |
| **Can/will you provide source code?** | GPWA RESPONSE: This will not be provided. |
| **Can/will you provide design documentation?** | GPWA RESPONSE: This will not be provided. |
| **Can/will you provide penetration tester with compiled binaries or a configured VM image for installation? (Not required for web applications)** | GPWA RESPONSE: This will not be provided. |
| **Allowed time window for pen test (state "Open" if there is no required time window)** | GPWA RESPONSE: Time window for testing will be determined by GPWA team. |
| **Note any items that may impair pen tester's progress (upgrades, planned maintenance, QA testing, performance testing, time** | GPWA RESPONSE: Time window for testing will be determined by GPWA team. |

| | |
|---|---|
| **restrictions (i.e. can only test during US business hours))** | |

*Application Environment*

| | |
|---|---|
| **URL** | GPWA RESPONSE: Information to be provided upon award of RFP. |
| **Number of user interfaces (typically defined as number of entry points for the application (i.e. if web application has a separate admin login page, mobile application has multiple platforms etc.)** | GPWA RESPONSE: Information to be provided upon award of RFP. |
| **Environment to be tested (Stage is preferred)** | GPWA RESPONSE: Test environments. |
| **User Name of Accounts (Note: Provide 2 accounts per role, application team is responsible for procuring accounts, please provide passwords separately)** | GPWA RESPONSE: To be provided upon award of RFP. |
| **Is the application internet facing or will it require VPN access?** | GPWA RESPONSE: Internet facing application. |
| **Does application make use of CDN (i.e. Akamai)?** | GPWA RESPONSE: No. |
| **Does application make use of a Web Application Firewall? If so, can it be disabled or pen tester be whitelisted?** | GPWA RESPONSE: No. |
| **Is there any other sort of connectivity such a file imports, data feeds, third party connectivity or integration with SaaS solutions we should be aware of?** | GPWA RESPONSE: No. |
| **Does application integrate with an authentication provider such as ADFS? If so, please describe.** | GPWA RESPONSE: No. |

| | |
|---|---|
| **Application Name:** | Meter Data Management System (GWA Only) |
| **Type of Application (Check all that apply):** | ☒ Web Application<br>☐ Thick Client<br>☐ Local Desktop<br>☐ Mobile – Web App<br>☐ Mobile - Native |

| | |
|---|---|
| | ☐ Mobile - Hybrid<br>☐ Infrastructure Only |
| **Provide the business function of the application:** | GPWA RESPONSE: Management of meter data and control. |
| **List all user roles associated with the application** | GPWA RESPONSE: To be provided upon award of RFP. |
| **Name of company/member firm that developed the application:** | GPWA RESPONSE: Badger Meter Read Center |

***Application Technical Details***

| | |
|---|---|
| **Development Language(s) (Java, C#, Objective C)** | GPWA RESPONSE: Not available |
| **Note any frameworks or middleware the application is built on (Sharepoint, Telerik, Oracle, Phonegap, Weblogic, Struts):** | GPWA RESPONSE: Not available |
| **Database(s) (i.e. MS SQL, MongoDB, SQLite, UDB, Oracle)** | GPWA RESPONSE: SQL |
| **Approximate lines of code (excluding commented code and blank lines)** | GPWA RESPONSE: Not available |
| **Approximate number of dynamic pages (Also identify if heavy usage of AJAX)** | GPWA RESPONSE: Not available |
| **Number and type (i.e. SOAP, RESTful, JSON) of web services:** | GPWA RESPONSE: Not available |

***Scope of Assessment***

| | |
|---|---|
| **Components to Assess (Select all that apply)** | ☐ Infrastructure<br>☒ Web Application<br>☐ Client Application<br>☐ Web Services |
| **Can/will you provide source code?** | GPWA RESPONSE: This will not be provided. |
| **Can/will you provide design documentation?** | GPWA RESPONSE: This will not be provided. |
| **Can/will you provide penetration tester with compiled binaries or a configured VM image for installation? (Not required for web applications)** | GPWA RESPONSE: This will not be provided. |
| **Allowed time window for pen test (state "Open" if there is no required time window)** | GPWA RESPONSE: Time window for testing will be determined by GPWA team. |

| | |
|---|---|
| **Note any items that may impair pen tester's progress (upgrades, planned maintenance, QA testing, performance testing, time restrictions (i.e. can only test during US business hours))** | GPWA RESPONSE: Time window for testing will be determined by GPWA team. |

***Application Environment***

| | |
|---|---|
| **URL** | GPWA RESPONSE: Information to be provided upon award of RFP. |
| **Number of user interfaces (typically defined as number of entry points for the application (i.e. if web application has a separate admin login page, mobile application has multiple platforms etc.)** | GPWA RESPONSE: Information to be provided upon award of RFP. |
| **Environment to be tested (Stage is preferred)** | GPWA RESPONSE: Test environments. |
| **User Name of Accounts (Note: Provide 2 accounts per role, application team is responsible for procuring accounts, please provide passwords separately)** | GPWA RESPONSE: To be provided upon award of RFP. |
| **Is the application internet facing or will it require VPN access?** | GPWA RESPONSE: Internet facing application. |
| **Does application make use of CDN (i.e. Akamai)?** | GPWA RESPONSE: No. |
| **Does application make use of a Web Application Firewall? If so, can it be disabled or pen tester be whitelisted?** | GPWA RESPONSE: No. |
| **Is there any other sort of connectivity such a file imports, data feeds, third party connectivity or integration with SaaS solutions we should be aware of?** | GPWA RESPONSE: No. |
| **Does application integrate with an authentication provider such as ADFS? If so, please describe.** | GPWA RESPONSE: No. |

***Application Purpose and Function***

| | |
|---|---|
| **Application Name:** | Outage Management System (OMS) (GPA Only) |
| **Type of Application (Check all that apply):** | ☒ Web Application<br>☐ Thick Client<br>☐ Local Desktop<br>☐ Mobile – Web App<br>☐ Mobile - Native<br>☐ Mobile - Hybrid<br>☐ Infrastructure Only |
| **Provide the business function of the application:** | GPWA RESPONSE: Power Outage Management system. |
| **List all user roles associated with the application** | GPWA RESPONSE: To be provided upon award of RFP. |
| **Name of company/member firm that developed the application:** | GPWA RESPONSE: Milsoft |

***Application Technical Details***

| | |
|---|---|
| **Development Language(s) (Java, C#, Objective C)** | GPWA RESPONSE: Not available |
| **Note any frameworks or middleware the application is built on (Sharepoint, Telerik, Oracle, Phonegap, Weblogic, Struts):** | GPWA RESPONSE: Not available |
| **Database(s) (i.e. MS SQL, MongoDB, SQLite, UDB, Oracle)** | GPWA RESPONSE: SQL |
| **Approximate lines of code (excluding commented code and blank lines)** | GPWA RESPONSE: Not available |
| **Approximate number of dynamic pages (Also identify if heavy usage of AJAX)** | GPWA RESPONSE: Not available |
| **Number and type (i.e. SOAP, RESTful, JSON) of web services:** | GPWA RESPONSE: Not available |

***Scope of Assessment***

| | |
|---|---|
| **Components to Assess (Select all that apply)** | ☐ Infrastructure<br>☒ Web Application<br>☐ Client Application<br>☐ Web Services |
| **Can/will you provide source code?** | GPWA RESPONSE: This will not be provided. |

| | |
|---|---|
| **Can/will you provide design documentation?** | GPWA RESPONSE: This will not be provided. |
| **Can/will you provide penetration tester with compiled binaries or a configured VM image for installation? (Not required for web applications)** | GPWA RESPONSE: This will not be provided. |
| **Allowed time window for pen test (state "Open" if there is no required time window)** | GPWA RESPONSE: Time window for testing will be determined by GPWA team. |
| **Note any items that may impair pen tester's progress (upgrades, planned maintenance, QA testing, performance testing, time restrictions (i.e. can only test during US business hours))** | GPWA RESPONSE: Time window for testing will be determined by GPWA team. |

***Application Environment***

| | |
|---|---|
| **URL** | GPWA RESPONSE: Information to be provided upon award of RFP. |
| **Number of user interfaces (typically defined as number of entry points for the application (i.e. if web application has a separate admin login page, mobile application has multiple platforms etc.)** | GPWA RESPONSE: Information to be provided upon award of RFP. |
| **Environment to be tested (Stage is preferred)** | GPWA RESPONSE: Production Environment. |
| **User Name of Accounts (Note: Provide 2 accounts per role, application team is responsible for procuring accounts, please provide passwords separately)** | GPWA RESPONSE: To be provided upon award of RFP. |
| **Is the application internet facing or will it require VPN access?** | GPWA RESPONSE: Not internet facing.. |
| **Does application make use of CDN (i.e. Akamai)?** | GPWA RESPONSE: No. |
| **Does application make use of a Web Application Firewall? If so, can it be disabled or pen tester be whitelisted?** | GPWA RESPONSE: No. |
| **Is there any other sort of connectivity such a file imports, data feeds, third party connectivity** | GPWA RESPONSE: No. |

| | |
|---|---|
| **or integration with SaaS solutions we should be aware of?** | |
| **Does application integrate with an authentication provider such as ADFS? If so, please describe.** | GPWA RESPONSE: No. |

***Application Purpose and Function***

| | |
|---|---|
| **Application Name:** | Supervisory Control and Data Acquisition System (SCADA) (GPA Only) |
| **Type of Application (Check all that apply):** | ☐ Web Application<br>☐ Thick Client<br>☒ Local Desktop<br>☐ Mobile – Web App<br>☐ Mobile - Native<br>☐ Mobile - Hybrid<br>☐ Infrastructure Only |
| **Provide the business function of the application:** | GPWA RESPONSE: Supervisory Control and Data Acquisition system |
| **List all user roles associated with the application** | GPWA RESPONSE: To be provided upon award of RFP. |
| **Name of company/member firm that developed the application:** | GPWA RESPONSE: Siemens |

***Application Technical Details***

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|---|---|
| **Development Language(s) (Java, C#, Objective C)** | GPWA RESPONSE: Not available |
| **Note any frameworks or middleware the application is built on (Sharepoint, Telerik, Oracle, Phonegap, Weblogic, Struts):** | GPWA RESPONSE: Not available |
| **Database(s) (i.e. MS SQL, MongoDB, SQLite, UDB, Oracle)** | GPWA RESPONSE: SQL |
| **Approximate lines of code (excluding commented code and blank lines)** | GPWA RESPONSE: Not available |
| **Approximate number of dynamic pages (Also identify if heavy usage of AJAX)** | GPWA RESPONSE: Not available |
| **Number and type (i.e. SOAP, RESTful, JSON) of web services:** | GPWA RESPONSE: Not available |

*Scope of Assessment*

| | |
|---|---|
| **Components to Assess (Select all that apply)** | ☐ Infrastructure<br>☐ Web Application<br>☒ Client Application<br>☐ Web Services |
| **Can/will you provide source code?** | GPWA RESPONSE: This will not be provided. |
| **Can/will you provide design documentation?** | GPWA RESPONSE: This will not be provided. |
| **Can/will you provide penetration tester with compiled binaries or a configured VM image for installation? (Not required for web applications)** | GPWA RESPONSE: This will not be provided. |
| **Allowed time window for pen test (state "Open" if there is no required time window)** | GPWA RESPONSE: Time window for testing will be determined by GPWA team. |
| **Note any items that may impair pen tester's progress (upgrades, planned maintenance, QA testing, performance testing, time restrictions (i.e. can only test during US business hours))** | GPWA RESPONSE: Time window for testing will be determined by GPWA team. |

*Application Environment*

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|---|---|
| **URL** | GPWA RESPONSE: Information to be provided upon award of RFP. |
| **Number of user interfaces (typically defined as number of entry points for the application (i.e. if web application has a separate admin login page, mobile application has multiple platforms etc.)** | GPWA RESPONSE: Information to be provided upon award of RFP. |
| **Environment to be tested (Stage is preferred)** | GPWA RESPONSE: Testing environment only. |
| **User Name of Accounts (Note: Provide 2 accounts per role, application team is responsible for procuring accounts, please provide passwords separately)** | GPWA RESPONSE: To be provided upon award of RFP. |
| **Is the application internet facing or will it require VPN access?** | GPWA RESPONSE: Not internet facing.. |
| **Does application make use of CDN (i.e. Akamai)?** | GPWA RESPONSE: No. |

| | |
|---|---|
| **Does application make use of a Web Application Firewall? If so, can it be disabled or pen tester be whitelisted?** | GPWA RESPONSE: No. |
| **Is there any other sort of connectivity such a file imports, data feeds, third party connectivity or integration with SaaS solutions we should be aware of?** | GPWA RESPONSE: No. |
| **Does application integrate with an authentication provider such as ADFS? If so, please describe.** | GPWA RESPONSE: No. |