JOB DESCRIPTION

<table>
<thead>
<tr>
<th>Job Title:</th>
<th>Senior Network Architect</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department:</td>
<td>Power Supply and Operations</td>
</tr>
<tr>
<td>Supervisor:</td>
<td>Information Technology Manager</td>
</tr>
<tr>
<td>FLSA Status:</td>
<td>Exempt</td>
</tr>
<tr>
<td>Prepared By:</td>
<td>Tammie Krumm</td>
</tr>
<tr>
<td>Prepared Date:</td>
<td>12/26/2011, 01/01/2016, 03/21/2018</td>
</tr>
<tr>
<td>Approved By:</td>
<td>Ray Wahle</td>
</tr>
<tr>
<td>Approved Date:</td>
<td>03/21/2018</td>
</tr>
</tbody>
</table>

SUMMARY

Provides engineering, operation, and support for the network and security technology architecture(s) by performing the following duties.

ESSENTIAL DUTIES AND RESPONSIBILITIES

Other duties may be assigned.

1. Engineers, operates, and supports the network service architecture for operation of corporate data, voice, wireless, and video services.
2. Engineers, operates, and supports the network security architecture to provide information assurance of the network service architecture.
3. Develops and implements continuing modernization of the network service and network security architecture and methodologies.
4. Manages the development, operation and support of the SCADA telemetry and municipal energy metering system.
5. Manages the development, operation, and support of the ICCP, Generation Asset Manager, and inter-utility data systems, and maintains quality assurance of the inter-utility energy data utilized for regional power marketing functions.
6. Develops, implements, and coordinates the real-time data modeling, operational data flow, and system configurations on related telemetry platforms.
7. Studies, implements and maintains systems and technology compliance methodologies per the utility industry regulatory environment including NERC CIP.
8. Provides project management and coordinates outsourcing of complex projects with vendors, consultants and third-party stakeholders.
9. Studies and coordinates the translation of business requirements into technical solutions for internal and external parties and stakeholders.
10. Researches and stays informed of relevant industry technology and trends to maintain efficiency and modernization of related systems.
11. Provides technical and operational support and training to systems users as required.
12. Provides training and helpdesk support to the users of the information systems as required.
13. Provides assistance in the development and delivery of member services.
14. Develops and maintains documentation of projects and assignments.
15. Assist in developing departmental budget requirements.
16. Serves “On-Call” and responds to call-outs of reported electrical system or service problems.
17. Represents on industry, development, and project committees, task forces, and conferences as assigned.
18. Keeps abreast of relevant profession, industry, and inter-utility developments.

**SUPERVISORY RESPONSIBILITIES**

Directly supervises employees in Network Administration. Carries out supervisory responsibilities in accordance with the organization's policies and applicable laws. Responsibilities include interviewing, hiring, and training employees; planning, assigning, and directing work; appraising performance; rewarding and disciplining employees; addressing complaints and resolving problems.

**COMPETENCIES**

To perform the job successfully, an individual should demonstrate the following competencies:

Continuous Learning - Assesses own strengths and weaknesses; seeks feedback to improve performance; pursues training and development opportunities; strives to continuously build knowledge and skills; shares expertise with others.

Problem Solving - Identifies and resolves problems in a timely manner; gathers and analyzes information skillfully; develops alternative solutions; works well in group problem solving situations; uses reason even when dealing with emotional topics.

Team Leadership - Fosters team cooperation; defines team roles and responsibilities; supports group problem solving; ensures progress toward goals; acknowledges team accomplishments.

Delegation - Delegates work assignments; matches the responsibility to the person; gives authority to work independently; sets expectations and monitors delegated activities; provides recognition for results.

Leadership - Exhibits confidence in self and others; inspires and motivates others to perform well; effectively influences actions and opinions of others; accepts feedback from others; gives appropriate recognition to others.
Managing People - Includes staff in planning, decision-making, facilitating and process improvement; takes responsibility for subordinates' activities; makes self available to staff; provides regular performance feedback; develops subordinates' skills and encourages growth; solicits and applies customer feedback (internal and external); fosters quality focus in others; improves processes, products and services.; continually works to improve supervisory skills.

Cost Consciousness - Works within approved budget; develops and implements cost saving measures; contributes to profits and revenue; conserves organizational resources.

Attendance/Punctuality - Is consistently at work and on time; ensures work responsibilities are covered when absent; arrives at meetings and appointments on time.

Dependability - Follows instructions, responds to management direction; takes responsibility for own actions; keeps commitments; commits to long hours of work when necessary to reach goals; completes tasks on time or notifies appropriate person with an alternate plan.

Safety and Security - Observes safety and security procedures; determines appropriate action beyond guidelines; reports potentially unsafe conditions; uses equipment and materials properly.

QUALIFICATIONS

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Education and/or Experience
Associates degree in network administration or security and four years related experience; or equivalent combination of education and experience.

Language Skills
Ability to read, analyze, and interpret common scientific and technical journals, financial reports, and legal documents. Ability to respond to common inquiries or complaints from customers, regulatory agencies, or members of the business community. Ability to write speeches and articles for publication that conform to prescribed style and format. Ability to effectively present information to top management, public groups, and/or boards of directors.
Mathematical Skills
Ability to apply advanced mathematical concepts such as exponents, logarithms, quadratic equations, and permutations. Ability to apply mathematical operations to such tasks as frequency distribution, determination of test reliability and validity, analysis of variance, correlation techniques, sampling theory, and factor analysis.

Reasoning Ability
Ability to define problems, collect data, establish facts, and draw valid conclusions. Ability to interpret an extensive variety of technical instructions in mathematical or diagram form and deal with several abstract and concrete variables.

Computer Skills
To perform this job successfully, an individual should have knowledge of Project Management software; Word Processing software; Development software; Database software; Design software and Spreadsheet software.

Certificates, Licenses, Registrations
Any or all of the following professional certifications would demonstrate technical proficiencies needed to perform job duties on the corporate data center, networking and security platforms (or an equivalent combination of education and experience).

- Cisco CCNP or CCIE Data Center
- Cisco CCNP or CCIE Route & Switch
- Cisco CCNP Wireless
- Cisco CCNA Industrial
- Cisco CCNP Security or CISSP
- Palo Alto Networks Certified Network Security Engineer (PCNSE)
- F5 Certified Technology Specialist (F5-CTS)

PHYSICAL DEMANDS

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this Job, the employee is regularly required to stand; use hands to finger, handle, or feel; reach with hands and arms and talk or hear. The employee is frequently required to walk and stoop, kneel, crouch, or crawl. The employee is occasionally required to sit and climb or balance. The employee must regularly lift and/or move up to 10 pounds, frequently lift and/or move up to 25 pounds.
WORK ENVIRONMENT

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is occasionally exposed to risk of electrical shock and vibration. The noise level in the work environment is usually quiet.

ACKNOWLEDGEMENTS

The above job description is not intended to be an all-inclusive list of duties and standards of the position. Incumbents will follow any other instructions, and perform any other related duties, as assigned by their supervisor.

ACKNOWLEDGED: Supervisor/Manager Signature  Date

ACKNOWLEDGED: Employee Signature  Date

PRINT: Employee Name