

# POSITION DESCRIPTION

AGENCY/DEPT ID  
DAS500000

DIVISION OR INSTITUTION  
Office of Information Technology

UNIT OR OFFICE  
Office of Security & Privacy

COUNTY OF EMPLOYMENT  
Franklin

This row is for Information  
Technology classifications ONLY

PRIMARY TECHNOLOGY (IT ONLY)  
Security Software and Hardware

SECONDARY TECHNOLOGY (IT ONLY)

POSITION NUMBER  
20005467

Reclassification       New Position       Update

Position Hyperlinked to   
Agency Organizational Tree

USUAL WORKING TITLE OF POSITION  
Infrastructure Specialist

POSITION NO. AND TITLE OF IMMEDIATE SUPERVISOR  
SEE TABLE OF ORGANIZATION

Permanent  
 Temporary  
 Intermittent

Classified  
 Unclassified  
 Essential

Overtime:  Eligible     Exempt  
If FLSA Exempt, exemption type:

Bargaining Unit 14  
PR - 36  
Page 1 of 3

NORMAL WORKING HOURS (Explain unusual or rotating shift):  
FROM: 8:00 am      TO: 5:00 pm

### JOB DESCRIPTION AND WORKER CHARACTERISTICS

%	Job Duties in Order of Importance	Knowledge, Skills & Abilities
20	Evaluates current IT policies, procedures, and practices and recommends. Leads IT driven change effort. Participates in and/or leads activities to achieve project tasks/meet deadlines.	<p><b>Knowledge of</b> (1) application vulnerabilities; (2) content development; (3) data backup, types of backups (e.g., full, incremental), and recovery concepts and tools; (4) different classes of attacks (e.g., passive, active, insider, close-in, distribution, etc.), (5) different operational threat environments (e.g., first generation [script kiddies], second generation [non- nation state sponsored], and third generation [nation state sponsored]); (6) general attack stages (e.g., foot printing and scanning, enumeration, gaining access, escalation of privileges, maintaining access, network exploitation, covering tracks, etc.); (7) how traffic flows across the network [e.g., Transmission Control Protocol (TCP) and Internet Protocol (IP), Open System Interconnection Model (OSI), Information Technology Infrastructure Library, v3 (ITIL)]; (8) IA principles and organizational requirements (relevant to confidentiality, integrity, availability, authentication, non-repudiation); (9) interpreted and compiled computer languages; (10) *agency specific local specialized system requirements (e.g., critical infrastructure systems that may not be used standard IT) for safety, performance, and reliability; (11) network</p> <p>*developed after employment <i>SPD 10/14/14</i></p>

JOB TITLE  
Infrastructure Specialist 4

JOB CODE  
69934  
*AD 11-7-14 VCS*

List Position Numbers & Job Titles of Positions Directly Supervised:

SIGNATURE OF AGENCY REPRESENTATIVE

DATE

*David A Brown*

*10/8/14*

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		<p>access, identity and access management (e.g., public key infrastructure, PKI); (12) network protocols such as TCP/IP, Dynamic Host Configuration, Domain Name System (DNS), and directory services; (13) network security architecture concepts including topology, protocols, components, and principles (e.g., application of Defense-in-Depth); (14) *agency penetration testing principles, tools, and techniques (e.g., core impact, metasploit, neosploit, etc.); (15) programming language structures and logic; (16) *agency relevant laws, policies, procedures, or governance as they relate to work that may impact critical infrastructure; (17) system and application security threats and vulnerabilities (e.g., buffer overflow, mobile code, cross-site).</p> <p><b>Skill in</b> (18) Skill in applying host/network access controls (e.g., access control list); (19) assessing the robustness of security systems and designs; (20) conducting vulnerability scans and recognizing vulnerabilities in security systems; (21) evaluating the trustworthiness of the supplier and/or product; (22) mimicking threat behaviors; (23) performing damage assessments; (24) performing packet-level</p> <p>*developed after employment <span style="float: right;">SRB 10/14/14</span></p>

JOB TITLE  
Infrastructure Specialist 4

ADD 11-7-14

JOB CODE  
69934

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10/8/14

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		<p>analysis (e.g., Wireshark, tcpdump, etc.); (25) *use of penetration testing tools and techniques; (26) use of social engineering techniques; (27) network analysis tools to identify vulnerabilities. (e.g. Qualys, Nessus, etc.); (28) using application analysis tools to identify vulnerabilities. (e.g. AppScan, Qualys, etc.).</p> <p><b>Ability to</b> (29) interpret and incorporate data from multiple tool sources; (30) establish facts &amp; draw valid conclusions; (31) work in a team environment; (32) successfully pass the State of Ohio Computer [SOCC] background check.</p>
40	<p>Develops solutions design; works with IT Architect staff, CIO or IT Managers to design solutions that meet the agency's requirements; assists analysis of the solution design's business case; authors' portions of the solution business case.</p>	<p><b>Knowledge of</b> 1-17 <b>Skill in</b> 18-28 <b>Ability to</b> 29-32</p>
40	<p>Works with vendors, other specialists and/or agencies to solve integration problems. Plans and conducts formal mentorship activities for peers and/or lower-level staff via verbal instruction or technical documentation.</p> <p><i>Job duty, knowledge, skill, and ability statements at a lower-level are understood to be able to be performed at any higher level.</i></p>	<p><b>Knowledge of</b> 1-17 <b>Skill in</b> 18-28 <b>Ability to</b> 29-32</p> <p>*developed after employment</p>

JOB TITLE  
Infrastructure Specialist 4

APP 11-7-14 VES

JOB CODE  
69934

List Position Numbers & Job Titles of Positions Directly Supervised:

SIGNATURE OF AGENCY REPRESENTATIVE

DATE

*David A Brown*

*10/8/14*

*S RB 10/4/14*