



TROWBRIDGE & TROWBRIDGE, LLC

GENERAL SERVICES ADMINISTRATION

Federal Supply Service

Authorized Federal Supply Schedule Price List

Trowbridge & Trowbridge, LLC

1430 Spring Hill Rd, Suite 200

McLean, VA 22102

Phone: (571) 298-8477

www.tt-llc.com

Contract Administrator: William Shaw, bill.shaw@tt-llc.com

Contract Number: **GS-35F-051AA**

Period Covered by Contract: **November 1, 2012 through October 31, 2022**

Business Size: **Other Than Small Business**

Schedule Title: Multiple Award Schedule

Federal Supply Group: Information Technology

On-line access to contract ordering information, terms and conditions, up-to-date pricing, and the option to create an electronic delivery order are available through GSA Advantage!®, a menu-driven database system. The INTERNET address GSA Advantage!® is: GSAAdvantage.gov

For more information on ordering from Federal Supply Schedules go to the GSA Schedules page at GSA.gov.

CUSTOMER INFORMATION:

1. Awarded Special Item Number(s):

SIN	Recovery	SIN Description
518210C	518210CRC	Cloud and Cloud-Related IT Professional Services
54151HACS	54151HACSRC	Highly Adaptive Cybersecurity Services (HACS)
54151HEAL	54151HEALRC	Health Information Technology Services
54151S	54151SRC	Information Technology Professional Services
OLM	OLMRC	Order Level Materials

- 1b. Identification of the lowest priced model number and lowest unit price for that model for each special item number awarded in the contract: See pricing beginning on page 4.
- 1c. Descriptions of all corresponding commercial job titles with experience, functional responsibility and education are provided beginning on page 12.
- 2. **Maximum Order:** For SINs 518210C, 54151HACS, 54151HEAL, and 54151S – \$500,000
For SIN OLM – \$250,000
- 3. **Minimum Order:** \$100
- 4. **Geographic Coverage:** Domestic
- 5. **Point of Production:** Same as company address
- 6. **Prices Shown Herein are Net (discount deducted)**
- 7. **Quantity Discount:** None
- 8. **Prompt Payment Terms:** Net 30. Information for Ordering Offices: Prompt payment terms cannot be negotiated out of the contractual agreement in exchange for other concessions.
- 9. **Foreign Items:** None
- 10. **Time of Delivery:** Trowbridge & Trowbridge, LLC shall deliver or perform services in accordance with the terms negotiated in an agency's order.
- 10b. **Expedited Delivery:** Consult with Contractor
- 10c. **Overnight/2-Day Delivery:** Consult with Contractor
- 10d. **Urgent Requirements:** Consult with Contractor
- 11. **FOB Point:** Destination

12. a. Ordering Address: Trowbridge & Trowbridge, LLC
1430 Spring Hill Road, Suite 200
McLean, VA 22102

b. Ordering Procedures For supplies and services, the ordering procedures, information on Blanket Purchase Agreements (BPA's) are found in Federal Acquisition Regulation (FAR) 8.405-3.

13. Payment Address: Trowbridge & Trowbridge, LLC
1430 Spring Hill Road, Suite 200
McLean, VA 22102

14. Warranty Provisions: Contractor's Standard Warranty

15. Export Packing charges: Not applicable

16. Terms and conditions of rental, maintenance, and repair: Not applicable

17. Terms and conditions of installation: Not applicable

18. Terms and conditions of repair parts: Not applicable

19. Terms and conditions for any other services: Not applicable

20. List of service and distribution points: Not applicable

21. List of participating dealers: Not applicable

22. Preventive maintenance: Not applicable

22a. Environmental attributes, e.g., recycled content, energy efficiency, and/or reduced pollutants:
Not applicable

22b. Contact Trowbridge & Trowbridge, LLC for Section 508 compliance information. The EIT standards can be found at: <http://www.section508.gov>.

23. DUNS Number: 805476137

24. Trowbridge & Trowbridge, LLC is registered in the System for Award Management (SAM) database.



TROWBRIDGE & TROWBRIDGE, LLC

GSA Hourly Pricing (w/ IFF)

SIN	Labor Category	11/1/17	11/1/18	11/1/19	11/1/20	11/1/21
		- 10/31/18	- 10/31/19	- 10/31/20	- 10/31/21	- 10/31/22
518210C	Cloud Architect I	N/A	N/A	\$114.52	\$116.23	\$117.98
518210C	Cloud Architect II	N/A	N/A	\$194.77	\$197.69	\$200.65
518210C	Cloud Architect III	N/A	N/A	\$204.70	\$207.77	\$210.89
518210C	Cloud Engineer I	N/A	N/A	\$99.77	\$101.27	\$102.79
518210C	Cloud Engineer II	N/A	N/A	\$163.01	\$165.46	\$167.94
518210C	Cloud Engineer III	N/A	N/A	\$204.70	\$207.77	\$210.89
518210C	Cloud Program Business Analyst I	N/A	N/A	\$74.21	\$75.32	\$76.45
518210C	Cloud Program Business Analyst II	N/A	N/A	\$87.17	\$88.48	\$89.81
518210C	Cloud Program Business Analyst III	N/A	N/A	\$91.42	\$92.80	\$94.19
518210C	Cloud Program Cybersecurity Specialist I	N/A	N/A	\$88.01	\$89.33	\$90.67
518210C	Cloud Program Cybersecurity Specialist II	N/A	N/A	\$118.54	\$120.32	\$122.12
518210C	Cloud Program Cybersecurity Specialist III	N/A	N/A	\$163.02	\$165.47	\$167.95
518210C	Cloud Program Database Specialist I	N/A	N/A	\$61.55	\$62.47	\$63.41
518210C	Cloud Program Database Specialist II	N/A	N/A	\$93.53	\$94.94	\$96.36
518210C	Cloud Program Database Specialist III	N/A	N/A	\$129.60	\$131.55	\$133.52
518210C	Cloud Program Documentation Specialist	N/A	N/A	\$50.74	\$51.50	\$52.28
518210C	Cloud Program Help Desk Specialist I	N/A	N/A	\$45.63	\$46.31	\$47.00
518210C	Cloud Program Help Desk Specialist II	N/A	N/A	\$49.77	\$50.51	\$51.27
518210C	Cloud Program Help Desk Specialist III	N/A	N/A	\$72.85	\$73.95	\$75.06
518210C	Cloud Program Manager	N/A	N/A	\$153.45	\$155.75	\$158.09
518210C	Cloud Program Network Specialist I	N/A	N/A	\$94.91	\$96.33	\$97.78
518210C	Cloud Program Network Specialist II	N/A	N/A	\$115.62	\$117.35	\$119.11
518210C	Cloud Program Network Specialist III	N/A	N/A	\$146.30	\$148.49	\$150.72
518210C	Cloud Program QA Analyst I	N/A	N/A	\$43.30	\$43.95	\$44.61
518210C	Cloud Program QA Analyst II	N/A	N/A	\$98.63	\$100.11	\$101.61
518210C	Cloud Program QA Analyst III	N/A	N/A	\$112.14	\$113.83	\$115.53
518210C	Cloud Program Software Developer I	N/A	N/A	\$71.04	\$72.11	\$73.19
518210C	Cloud Program Software Developer II	N/A	N/A	\$78.42	\$79.60	\$80.80
518210C	Cloud Program Software Developer III	N/A	N/A	\$106.51	\$108.11	\$109.73
518210C	Cloud Program Software Engineer I	N/A	N/A	\$84.08	\$85.34	\$86.62
518210C	Cloud Program Software Engineer II	N/A	N/A	\$94.92	\$96.34	\$97.79
518210C	Cloud Program Software Engineer III	N/A	N/A	\$183.64	\$186.40	\$189.19

518210C	Cloud Program Subject Matter Expert I	N/A	N/A	\$88.54	\$89.87	\$91.22
518210C	Cloud Program Subject Matter Expert II	N/A	N/A	\$146.77	\$148.97	\$151.21
518210C	Cloud Program Subject Matter Expert III	N/A	N/A	\$194.77	\$197.69	\$200.65
518210C	Cloud Program System Administrator I	N/A	N/A	\$67.03	\$68.04	\$69.06
518210C	Cloud Program System Administrator II	N/A	N/A	\$77.64	\$78.81	\$79.99
518210C	Cloud Program System Administrator III	N/A	N/A	\$105.88	\$107.47	\$109.08
518210C	Cloud Program Systems Engineer I	N/A	N/A	\$76.11	\$77.25	\$78.41
518210C	Cloud Program Systems Engineer II	N/A	N/A	\$111.24	\$112.91	\$114.61
518210C	Cloud Program Systems Engineer III	N/A	N/A	\$183.64	\$186.40	\$189.19
518210C	Cloud Program Technical Writer/Editor I	N/A	N/A	\$66.34	\$67.34	\$68.35
518210C	Cloud Program Technical Writer/Editor II	N/A	N/A	\$80.50	\$81.71	\$82.94
518210C	Cloud Program Technical Writer/Editor III	N/A	N/A	\$95.83	\$97.26	\$98.72
518210C	Cloud Program Test Specialist I	N/A	N/A	\$57.20	\$58.06	\$58.93
518210C	Cloud Program Test Specialist II	N/A	N/A	\$112.88	\$114.57	\$116.29
518210C	Cloud Program Test Specialist III	N/A	N/A	\$156.19	\$158.53	\$160.91
518210C	Cloud Program Training Specialist	N/A	N/A	\$112.14	\$113.83	\$115.53
518210C	Cloud Project Control Specialist	N/A	N/A	\$112.14	\$113.83	\$115.53
518210C	Cloud Project Manager	N/A	N/A	\$127.32	\$129.23	\$131.17
54151HACS	Cybersecurity Architect I	N/A	N/A	N/A	\$112.88	\$114.57
54151HACS	Cybersecurity Architect II	N/A	N/A	N/A	\$204.70	\$207.77
54151HACS	Cybersecurity Architect III	N/A	N/A	N/A	\$230.14	\$233.59
54151HACS	Cybersecurity Documentation Specialist I	N/A	N/A	N/A	\$40.09	\$40.69
54151HACS	Cybersecurity Documentation Specialist II	N/A	N/A	N/A	\$53.00	\$53.79
54151HACS	Cybersecurity Documentation Specialist III	N/A	N/A	N/A	\$92.86	\$94.25
54151HACS	Cybersecurity Engineer I	N/A	N/A	N/A	\$99.77	\$101.27
54151HACS	Cybersecurity Engineer II	N/A	N/A	N/A	\$163.01	\$165.46
54151HACS	Cybersecurity Engineer III	N/A	N/A	N/A	\$204.70	\$207.77
54151HACS	Cybersecurity Help Desk Specialist I	N/A	N/A	N/A	\$36.50	\$37.05
54151HACS	Cybersecurity Help Desk Specialist II	N/A	N/A	N/A	\$48.79	\$49.52
54151HACS	Cybersecurity Help Desk Specialist III	N/A	N/A	N/A	\$100.30	\$101.81
54151HACS	Cybersecurity Network Specialist I	N/A	N/A	N/A	\$68.89	\$69.92
54151HACS	Cybersecurity Network Specialist II	N/A	N/A	N/A	\$115.62	\$117.35
54151HACS	Cybersecurity Network Specialist III	N/A	N/A	N/A	\$146.30	\$148.49
54151HACS	Cybersecurity Program Administrative Specialist	N/A	N/A	N/A	\$76.17	\$77.31
54151HACS	Cybersecurity Program Business Analyst I	N/A	N/A	N/A	\$74.21	\$75.32
54151HACS	Cybersecurity Program Business Analyst II	N/A	N/A	N/A	\$87.18	\$88.49
54151HACS	Cybersecurity Program Business Analyst III	N/A	N/A	N/A	\$108.55	\$110.18
54151HACS	Cybersecurity Program Manager	N/A	N/A	N/A	\$178.82	\$181.50
54151HACS	Cybersecurity Program QA Analyst I	N/A	N/A	N/A	\$57.20	\$58.06
54151HACS	Cybersecurity Program QA Analyst II	N/A	N/A	N/A	\$100.11	\$101.61
54151HACS	Cybersecurity Program QA Analyst III	N/A	N/A	N/A	\$115.51	\$117.24
54151HACS	Cybersecurity Project Control Specialist	N/A	N/A	N/A	\$96.78	\$98.24
54151HACS	Cybersecurity Project Manager	N/A	N/A	N/A	\$127.32	\$129.23
54151HACS	Cybersecurity Software Systems Developer I	N/A	N/A	N/A	\$78.42	\$79.60
54151HACS	Cybersecurity Software Systems Developer II	N/A	N/A	N/A	\$122.80	\$124.64

54151HACS	Cybersecurity Software Systems Developer III	N/A	N/A	N/A	\$183.64	\$186.40
54151HACS	Cybersecurity Specialist I	N/A	N/A	N/A	\$66.43	\$67.43
54151HACS	Cybersecurity Specialist II	N/A	N/A	N/A	\$119.09	\$120.87
54151HACS	Cybersecurity Specialist III	N/A	N/A	N/A	\$146.30	\$148.49
54151HACS	Cybersecurity Subject Matter Expert I	N/A	N/A	N/A	\$89.87	\$91.22
54151HACS	Cybersecurity Subject Matter Expert II	N/A	N/A	N/A	\$163.02	\$165.47
54151HACS	Cybersecurity Subject Matter Expert III	N/A	N/A	N/A	\$204.70	\$207.77
54151HACS	Cybersecurity System Administrator I	N/A	N/A	N/A	\$67.03	\$68.04
54151HACS	Cybersecurity System Administrator II	N/A	N/A	N/A	\$99.54	\$101.03
54151HACS	Cybersecurity System Administrator III	N/A	N/A	N/A	\$182.87	\$185.61
54151HACS	Cybersecurity Systems Engineer I	N/A	N/A	N/A	\$101.07	\$102.58
54151HACS	Cybersecurity Systems Engineer II	N/A	N/A	N/A	\$110.68	\$112.34
54151HACS	Cybersecurity Systems Engineer III	N/A	N/A	N/A	\$183.64	\$186.40
54151HACS	Cybersecurity Technical Writer/Editor I	N/A	N/A	N/A	\$66.34	\$67.34
54151HACS	Cybersecurity Technical Writer/Editor II	N/A	N/A	N/A	\$80.50	\$81.71
54151HACS	Cybersecurity Technical Writer/Editor III	N/A	N/A	N/A	\$99.54	\$101.03
54151HACS	Cybersecurity Test Specialist I	N/A	N/A	N/A	\$83.40	\$84.65
54151HACS	Cybersecurity Test Specialist II	N/A	N/A	N/A	\$88.01	\$89.33
54151HACS	Cybersecurity Test Specialist III	N/A	N/A	N/A	\$112.88	\$114.57
54151HACS	Cybersecurity Training Specialist	N/A	N/A	N/A	\$115.51	\$117.24
54151HEAL	Health Data/Database Specialist I	N/A	N/A	\$61.55	\$62.47	\$63.41
54151HEAL	Health Data/Database Specialist II	N/A	N/A	\$93.53	\$94.94	\$96.36
54151HEAL	Health Data/Database Specialist III	N/A	N/A	\$129.60	\$131.55	\$133.52
54151HEAL	Health IT Architect I	N/A	N/A	\$112.88	\$114.57	\$116.29
54151HEAL	Health IT Architect II	N/A	N/A	\$204.70	\$207.77	\$210.89
54151HEAL	Health IT Architect III	N/A	N/A	\$225.62	\$229.01	\$232.44
54151HEAL	Health IT Business Analyst I	N/A	N/A	\$74.21	\$75.32	\$76.45
54151HEAL	Health IT Business Analyst II	N/A	N/A	\$87.17	\$88.48	\$89.81
54151HEAL	Health IT Business Analyst III	N/A	N/A	\$91.42	\$92.80	\$94.19
54151HEAL	Health IT Cybersecurity Specialist I	N/A	N/A	\$88.01	\$89.33	\$90.67
54151HEAL	Health IT Cybersecurity Specialist II	N/A	N/A	\$118.54	\$120.32	\$122.12
54151HEAL	Health IT Cybersecurity Specialist III	N/A	N/A	\$163.02	\$165.47	\$167.95
54151HEAL	Health IT Documentation Specialist	N/A	N/A	\$50.74	\$51.50	\$52.28
54151HEAL	Health IT Help Desk Specialist I	N/A	N/A	\$45.63	\$46.31	\$47.00
54151HEAL	Health IT Help Desk Specialist II	N/A	N/A	\$49.77	\$50.51	\$51.27
54151HEAL	Health IT Help Desk Specialist III	N/A	N/A	\$72.85	\$73.95	\$75.06
54151HEAL	Health IT Network Specialist I	N/A	N/A	\$94.91	\$96.33	\$97.78
54151HEAL	Health IT Network Specialist II	N/A	N/A	\$115.62	\$117.35	\$119.11
54151HEAL	Health IT Network Specialist III	N/A	N/A	\$146.30	\$148.49	\$150.72
54151HEAL	Health IT Program Manager	N/A	N/A	\$153.45	\$155.75	\$158.09
54151HEAL	Health IT Project Control Specialist	N/A	N/A	\$112.14	\$113.83	\$115.53
54151HEAL	Health IT Project Manager	N/A	N/A	\$127.32	\$129.23	\$131.17
54151HEAL	Health IT QA Analyst I	N/A	N/A	\$43.30	\$43.95	\$44.61
54151HEAL	Health IT QA Analyst II	N/A	N/A	\$98.63	\$100.11	\$101.61
54151HEAL	Health IT QA Analyst III	N/A	N/A	\$112.14	\$113.83	\$115.53
54151HEAL	Health IT Software Developer I	N/A	N/A	\$71.04	\$72.11	\$73.19
54151HEAL	Health IT Software Developer II	N/A	N/A	\$78.42	\$79.60	\$80.80
54151HEAL	Health IT Software Developer III	N/A	N/A	\$106.51	\$108.11	\$109.73

54151HEAL	Health IT Software Engineer I	N/A	N/A	\$84.08	\$85.34	\$86.62
54151HEAL	Health IT Software Engineer II	N/A	N/A	\$94.92	\$96.34	\$97.79
54151HEAL	Health IT Software Engineer III	N/A	N/A	\$183.64	\$186.40	\$189.19
54151HEAL	Health IT Subject Matter Expert I	N/A	N/A	\$88.54	\$89.87	\$91.22
54151HEAL	Health IT Subject Matter Expert II	N/A	N/A	\$146.77	\$148.97	\$151.21
54151HEAL	Health IT Subject Matter Expert III	N/A	N/A	\$194.77	\$197.69	\$200.65
54151HEAL	Health IT System Administrator I	N/A	N/A	\$67.03	\$68.04	\$69.06
54151HEAL	Health IT System Administrator II	N/A	N/A	\$77.64	\$78.81	\$79.99
54151HEAL	Health IT System Administrator III	N/A	N/A	\$105.88	\$107.47	\$109.08
54151HEAL	Health IT Systems Engineer I	N/A	N/A	\$76.11	\$77.25	\$78.41
54151HEAL	Health IT Systems Engineer II	N/A	N/A	\$111.24	\$112.91	\$114.61
54151HEAL	Health IT Systems Engineer III	N/A	N/A	\$183.64	\$186.40	\$189.19
54151HEAL	Health IT Technical Writer/Editor I	N/A	N/A	\$66.34	\$67.34	\$68.35
54151HEAL	Health IT Technical Writer/Editor II	N/A	N/A	\$80.50	\$81.71	\$82.94
54151HEAL	Health IT Technical Writer/Editor III	N/A	N/A	\$95.83	\$97.26	\$98.72
54151HEAL	Health IT Test Specialist I	N/A	N/A	\$57.20	\$58.06	\$58.93
54151HEAL	Health IT Test Specialist II	N/A	N/A	\$112.88	\$114.57	\$116.29
54151HEAL	Health IT Test Specialist III	N/A	N/A	\$156.19	\$158.53	\$160.91
54151HEAL	Health IT Training Specialist	N/A	N/A	\$112.14	\$113.83	\$115.53
54151S	Administrative Specialist	\$42.21	\$42.84	\$43.49	\$44.14	\$44.80
54151S	Business Analyst I	\$39.40	\$39.99	\$40.59	\$41.20	\$41.82
54151S	Business Analyst II	\$52.61	\$53.40	\$54.20	\$55.01	\$55.84
54151S	Business Analyst III	\$67.17	\$68.18	\$69.20	\$70.24	\$71.29
54151S	Business Process Consultant	\$90.85	\$92.21	\$93.60	\$95.00	\$96.42
54151S	CAD Specialist	\$68.10	\$69.12	\$70.16	\$71.21	\$72.28
54151S	Cyber Security Analyst I	\$73.55	\$74.65	\$75.77	\$76.91	\$78.06
54151S	Cyber Security Analyst II	\$84.45	\$85.72	\$87.00	\$88.31	\$89.63
54151S	Cyber Security Analyst III	\$123.38	\$125.23	\$127.11	\$129.02	\$130.95
54151S	Database Administrator I	\$71.53	\$72.60	\$73.69	\$74.80	\$75.92
54151S	Database Administrator II	\$81.17	\$82.39	\$83.62	\$84.88	\$86.15
54151S	Database Administrator III	\$89.78	\$91.13	\$92.49	\$93.88	\$95.29
54151S	Database Specialist I	N/A	\$84.68	\$85.95	\$87.24	\$88.55
54151S	Database Specialist II	N/A	\$99.25	\$100.74	\$102.25	\$103.78
54151S	Database Specialist III	N/A	\$114.18	\$115.89	\$117.63	\$119.40
54151S	Documentation Specialist	\$49.74	\$50.49	\$51.24	\$52.01	\$52.79
54151S	Functional Analyst	\$68.99	\$70.02	\$71.08	\$72.14	\$73.22
54151S	Help Desk Specialist I	\$47.25	\$47.96	\$48.68	\$49.41	\$50.15
54151S	Help Desk Specialist II	\$52.41	\$53.20	\$53.99	\$54.80	\$55.63
54151S	Help Desk Specialist III	\$58.44	\$59.32	\$60.21	\$61.11	\$62.03
54151S	Information Engineer I	N/A	\$80.11	\$81.31	\$82.53	\$83.77
54151S	Information Engineer II	N/A	\$93.90	\$95.31	\$96.74	\$98.19
54151S	Information Engineer III	N/A	\$117.41	\$119.17	\$120.96	\$122.77
54151S	Network Architect I	N/A	\$96.35	\$97.80	\$99.26	\$100.75
54151S	Network Architect II	N/A	\$112.95	\$114.64	\$116.36	\$118.11
54151S	Network Architect III	N/A	\$129.93	\$131.88	\$133.86	\$135.86
54151S	Network Engineer I	\$60.17	\$61.07	\$61.99	\$62.92	\$63.86
54151S	Network Engineer II	\$74.41	\$75.53	\$76.66	\$77.81	\$78.98
54151S	Principal Network Engineer I	N/A	\$112.16	\$113.84	\$115.55	\$117.28
54151S	Principal Network Engineer II	N/A	\$131.47	\$133.44	\$135.44	\$137.48

54151S	Principal Network Engineer III	N/A	\$151.24	\$153.51	\$155.81	\$158.15
54151S	Program Manager	\$167.80	\$170.32	\$172.87	\$175.46	\$178.10
54151S	Project Control Specialist	\$77.00	\$78.16	\$79.33	\$80.52	\$81.72
54151S	Project Manager I	\$110.39	\$112.05	\$113.73	\$115.43	\$117.16
54151S	Project Manager II	\$118.48	\$120.26	\$122.06	\$123.89	\$125.75
54151S	QA Analyst I	\$56.08	\$56.92	\$57.78	\$58.64	\$59.52
54151S	QA Analyst II	\$63.60	\$64.55	\$65.52	\$66.51	\$67.50
54151S	Software Developer I	\$65.34	\$66.32	\$67.31	\$68.32	\$69.35
54151S	Software Developer II	\$74.07	\$75.18	\$76.31	\$77.45	\$78.62
54151S	Software Developer III	\$80.95	\$82.16	\$83.40	\$84.65	\$85.92
54151S	Software Developer IV	\$116.63	\$118.38	\$120.16	\$121.96	\$123.79
54151S	Software Systems Engineer I	\$58.91	\$59.79	\$60.69	\$61.60	\$62.52
54151S	Software Systems Engineer II	\$88.67	\$90.00	\$91.35	\$92.72	\$94.11
54151S	Sr. System Administrator I	\$80.93	\$82.14	\$83.38	\$84.63	\$85.90
54151S	Sr. System Administrator II	\$84.97	\$86.24	\$87.54	\$88.85	\$90.18
54151S	Subject Matter Expert I	N/A	\$149.06	\$151.30	\$153.57	\$155.87
54151S	Subject Matter Expert II	N/A	\$174.73	\$177.35	\$180.01	\$182.71
54151S	Subject Matter Expert III	N/A	\$201.01	\$204.03	\$207.09	\$210.19
54151S	System Architect	\$125.28	\$127.16	\$129.07	\$131.00	\$132.97
54151S	Systems Engineer I	N/A	\$107.93	\$109.55	\$111.19	\$112.86
54151S	Systems Engineer II	N/A	\$126.51	\$128.41	\$130.33	\$132.29
54151S	Systems Engineer III	N/A	\$145.53	\$147.71	\$149.93	\$152.18
54151S	Technical Writer	\$45.57	\$46.25	\$46.95	\$47.65	\$48.37
54151S	Technical Writer/Editor I	N/A	\$67.96	\$68.98	\$70.01	\$71.06
54151S	Technical Writer/Editor II	N/A	\$79.66	\$80.85	\$82.07	\$83.30
54151S	Technical Writer/Editor III	N/A	\$91.64	\$93.01	\$94.41	\$95.83
54151S	Telecom Engineer I	\$50.06	\$50.81	\$51.57	\$52.35	\$53.13
54151S	Telecom Engineer II	\$52.61	\$53.40	\$54.20	\$55.01	\$55.84
54151S	Telecom Engineer III	\$62.16	\$63.09	\$64.04	\$65.00	\$65.97
54151S	Telecom Engineer IV	\$65.42	\$66.40	\$67.40	\$68.41	\$69.43
54151S	Test Engineer I	N/A	\$80.12	\$81.32	\$82.54	\$83.78
54151S	Test Engineer II	N/A	\$93.92	\$95.33	\$96.76	\$98.21
54151S	Test Engineer III	N/A	\$108.04	\$109.66	\$111.31	\$112.98
54151S	Training Specialist	\$35.49	\$36.02	\$36.56	\$37.11	\$37.67
54151S	Unix Administrator I	\$84.15	\$85.41	\$86.69	\$87.99	\$89.31
54151S	Unix Administrator II	\$94.49	\$95.91	\$97.35	\$98.81	\$100.29
54151S	Web Developer	\$71.73	\$72.81	\$73.90	\$75.01	\$76.13

DESCRIPTION OF LABOR CATEGORIES:

SIN 518210C

Commercial Job Title: Cloud Architect I

Functional Responsibility: Applies knowledge and expertise designing, deploying, and supporting systems in cloud environments to provide oversight and management of system administrators, system engineers, developers, or other technical staff. Designs Information Technology (IT) solutions involving cloud technologies and cloud based environments. Develops and maintains project documentation. Coordinates project related procurements, develops project schedules, and manages project and contract resources. Responsible for project deliverables. Provides third-level support for network related issues. Must have excellent written and oral communications skills, and be able to present technical concepts to non-technical audiences. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience, and 4 years' experience.

Commercial Job Title: Cloud Architect II

Functional Responsibility: Applies knowledge and expertise designing, deploying, and supporting systems in cloud environments to provide oversight and management of system administrators, system engineers, developers, or other technical staff. Designs IT solutions involving cloud technologies and cloud based environments. Develops and maintains project documentation. Coordinates project related procurements, develops project schedules, and manages project and contract resources. Responsible for project deliverables. Provides third-level support for network related issues. Must have excellent written and oral communications skills, and be able to present technical concepts to non-technical audiences. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience, and 6 years' experience.

Commercial Job Title: Cloud Architect III

Functional Responsibility: Applies knowledge and expertise designing, deploying, and supporting systems in cloud environments to provide oversight and management of system administrators, system engineers, developers, or other technical staff. Designs IT solutions involving cloud technologies and cloud based environments. Develops and maintains project documentation. Coordinates project related procurements, develops project schedules, and manages project and contract resources. Responsible for project deliverables. Provides third level support for network related issues. Must have excellent written and oral communications skills, and be able to present technical concepts to non-technical audiences. May supervise and/or provide technical direction to one or more subordinates or manage a team.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience, and 8 years' experience.

Commercial Job Title: Cloud Engineer I

Functional Responsibility: Applies knowledge and expertise designing, deploying, and supporting systems in cloud environments across multiple disciplines including systems engineering, security engineering, software engineering, database administration, database development, and/or network engineering. Designs IT solutions involving cloud technologies and cloud based environments. Provides cloud services expertise, including open source technology, software development, system engineering, scripting languages and multiple cloud provider environments. May support designing, developing, and deploying Web services in the cloud. Has knowledge and experience with programming languages such as Java, Python and Ruby and a broad range of cloud technologies which may include OpenStack, Linux,

Amazon Web Services, Google compute engine, Microsoft Azure and Docker. Supports and provides guidance for implementation of APIs, orchestration, automation, DevOps and databases. Develops and maintains project documentation. Responsible for project deliverables. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience, and 4 years' experience.

Commercial Job Title: Cloud Engineer II

Functional Responsibility: Applies knowledge and expertise designing, deploying, and supporting systems in cloud environments across multiple disciplines including systems engineering, security engineering, software engineering, database administration, database development, and/or network engineering. Designs IT solutions involving cloud technologies and cloud based environments. Provides cloud services expertise, including open source technology, software development, system engineering, scripting languages, and multiple cloud provider environments. May support designing, developing, and deploying Web services in the cloud. Has knowledge and experience with programming languages such as Java, Python and Ruby and a broad range of cloud technologies which may include OpenStack, Linux, Amazon Web Services, Google compute engine, Microsoft Azure and Docker. Supports and provides guidance for implementation of APIs, orchestration, automation, DevOps and databases. Develops and maintains project documentation. Responsible for project deliverables. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience, and 6 years' experience.

Commercial Job Title: Cloud Engineer III

Functional Responsibility: Applies knowledge and expertise designing, deploying, and supporting systems in cloud environments across multiple disciplines including systems engineering, security engineering, software engineering, database administration, database development, and/or network engineering. Designs IT solutions involving cloud technologies and cloud based environments. Provides cloud services expertise, including open source technology, software development, system engineering, scripting languages and multiple cloud provider environments. May support designing, developing, and deploying Web services in the cloud. Has knowledge and experience with programming languages such as Java, Python and Ruby and a broad range of cloud technologies which may include OpenStack, Linux, Amazon Web Services, Google compute engine, Microsoft Azure and Docker. Supports and provides guidance for implementation of APIs, orchestration, automation, DevOps and databases. Develops and maintains project documentation. Responsible for project deliverables. May supervise and/or provide technical direction to one or more subordinates or manage a team.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience, and 8 years' experience.

Commercial Job Title: Cloud Program Business Analyst I

Functional Responsibility: Performs analysis and research for projects involving cloud technologies and/or in support of business processes and supporting systems deployed in or supporting cloud environments. Contributes to deliverables and performance metrics where applicable. Analyzes stakeholder requirements as well as applicable industry, agency, and Federal guidelines and requirements. Develops documentation and work products which may include systems scope statements, business process models, business process descriptions, workflow diagrams, functional and non-functional requirements, program performance documentation, end user documentation, testing documentation, training documentation, and other internal work products and deliverable documentation. May support governance bodies (e.g., Change Management and Configuration Control Boards) in analyzing and formulating proposed changes, analyzing the impact of proposed changes, and

providing overall support for the governance process. Generally, works under supervision of a team lead or manager.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 1 year experience.

Commercial Job Title: Cloud Program Business Analyst II

Functional Responsibility: Performs analysis and research for projects involving cloud technologies and/or in support of business processes and supporting systems deployed in or supporting cloud environments. Contributes to deliverables and performance metrics where applicable. Analyzes stakeholder requirements as well as applicable industry, agency, and Federal guidelines and requirements. Develops documentation and work products which may include systems scope statements, business process models, business process descriptions, workflow diagrams, functional and non-functional requirements, program performance documentation, end user documentation, testing documentation, training documentation, and other internal work products and deliverable documentation. May support governance bodies (e.g., Change Management and Configuration Control Boards) in analyzing and formulating proposed changes, analyzing the impact of proposed changes, and providing overall support and advisory services for the governance process. Provides consultation on complex IT projects, helping translate functional/business needs into IT requirements while considering the business implications of the application of technology to the current and future IT environments, particularly the impact of implementing cloud-based technologies. Provides liaison support between IT and the functional stakeholders. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 3 years' experience.

Commercial Job Title: Cloud Program Business Analyst III

Functional Responsibility: Performs analysis and research for projects involving cloud technologies and/or in support of business processes and supporting systems deployed in or supporting cloud environments. Contributes to deliverables and performance metrics where applicable. Analyzes stakeholder requirements as well as applicable industry, agency, and Federal guidelines and requirements. Develops documentation and work products which may include systems scope statements, business process models, business process descriptions, workflow diagrams, functional and non-functional requirements, program performance documentation, end user documentation, testing documentation, training documentation, and other internal work products and deliverable documentation. May support governance bodies (e.g., Change Management and Configuration Control Boards) in analyzing and formulating proposed changes, analyzing the impact of proposed changes, and providing overall support and advisory services for the governance process. Provides consultation on complex IT projects, helping translate functional/business needs into IT requirements while considering the business implications of the application of technology to the current and future IT environments, particularly the impact of implementing cloud-based technologies. Provides liaison support between IT and the functional stakeholders. May supervise and/or provide technical direction to one or more subordinates or manage a team.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 5 years' experience.

Commercial Job Title: Cloud Program Cybersecurity Specialist I

Functional Responsibility: Provides support for implementation of enterprise and system security requirements for systems involving cloud technologies and deployed in or supporting cloud environments. Supports analysis of user, policy, and regulatory requirements and resource demands and coordination with customer organization to establish and define programs, resources, and risks.

Provides monitoring, auditing, scanning, and other technical analysis and reporting as needed for compliance with security requirements. Generally, works under supervision of a team lead or manager.
General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 1 year experience.

Commercial Job Title: Cloud Program Cybersecurity Specialist II

Functional Responsibility: Implements enterprise and system security requirements for systems involving cloud technologies and deployed in or supporting cloud environments. Analyzes user, policy, and regulatory requirements and resource demands and coordinates with customer organization to establish and define programs, resources, and risks. Provides strategy for and performs monitoring, auditing, scanning, and other technical analysis and reporting as needed for compliance with security requirements. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 3 years' experience.

Commercial Job Title: Cloud Program Cybersecurity Specialist III

Functional Responsibility: Provides strategy and support for implementation of enterprise and system security requirements for systems involving cloud technologies and deployed in or supporting cloud environments. Analyzes user, policy, and regulatory requirements and resource demands and coordinates with customer organization to establish and define programs, resources, and risks. Provides strategy for and performs monitoring, auditing, scanning, and other technical analysis and reporting as needed for compliance with security requirements. May supervise and/or provide technical direction to one or more subordinates or manage a team.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 5 years' experience.

Commercial Job Title: Cloud Program Database Specialist I

Functional Responsibility: Assists in design, maintenance, and/or administration of databases in a cloud environment. Applies knowledge and experience with database technologies, development methodologies, and front-end (e.g., COGNOS)/back-end programming languages (e.g., SQL). May develop and maintain data models and data dictionaries. Performs database programming and supports systems design. Develops processes and scripts to support extraction, transformation, and loading of data. Complies with database standards and procedures. May support database backup and recovery tasks. Assists and provides guidance to users on accessing various databases. May support Quality Control (QC) and auditing of databases to ensure accuracy and appropriate use of data. Generally, works under supervision of a team lead or manager.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 2 years' experience.

Commercial Job Title: Cloud Program Database Specialist II

Functional Responsibility: Designs, maintains, and/or administers databases in a cloud environment. Applies knowledge and experience with database technologies, development methodologies, and front-end (e.g., COGNOS)/back-end programming languages (e.g., SQL). May develop and maintain data models and data dictionaries. Performs database programming and supports systems design. Develops processes and scripts to support extraction, transformation, and loading of data. Complies with database standards and procedures. Assists and provides guidance to users on accessing various databases. Supports QC and auditing of databases to ensure accuracy and appropriate use of data. May design, implement, and maintains complex databases, with support for database environment and scripts, access methods, access time, device allocation, validation checks, organization, protection and security, documentation, and statistical methods. Supports planning and projection for long-range

requirements for database administration and design in conjunction with other managers in the information systems function. May devise and implement overall strategies for data backup and recovery, data replication, and disaster recovery. Provides expertise for file design and storage, and integration of systems through database design. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 4 years' experience.

Commercial Job Title: Cloud Program Database Specialist III

Functional Responsibility: Provides senior-level support and leadership for designs, maintenance, and/or administration of databases in a cloud environment. Applies knowledge and experience with database technologies, development methodologies, and front-end (e.g., COGNOS)/back-end programming languages (e.g., SQL). May develop and maintain data models and data dictionaries. Performs database programming and supports systems design. Devises overall strategies for and develops processes and scripts to support extraction, transformation, and loading of data. Complies with database standards and procedures. Assists and provides guidance to users on accessing various databases. Supports QC and auditing of databases in a to ensure accuracy and appropriate use of data. Designs, implements, and maintains complex databases, with support for database environment and scripts, access methods, access time, device allocation, validation checks, organization, protection and security, documentation, and statistical methods. Supports planning and projection for long-range requirements for database administration and design in conjunction with other managers in the information systems function. May devise and implement overall strategies for data backup and recovery, data replication, and disaster recovery. Provides expertise for file design and storage, and integration of systems through database design. May supervise and/or provide technical direction to one or more subordinates or manage a team.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 6 years' experience.

Commercial Job Title: Cloud Program Documentation Specialist

Functional Responsibility: Gathers, analyzes, and composes technical information. Conducts research and ensures the use of proper technical terminology for projects involving cloud technologies. Translates technical information into clear, readable documents to be used by technical and non-technical personnel.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 1 year experience.

Commercial Job Title: Cloud Program Help Desk Specialist I

Functional Responsibility: Provides first and second-tier support to end users for either PC, server, or mainframe applications and hardware for programs involving cloud technologies. Fulfills customer service requests as required. Responds to and diagnoses problems through discussions with users. Includes problem recognition, research, isolation, and resolution steps. May involve use of problem management database and help desk systems. May interact with network services, software systems engineering, and/or applications development to restore service and/or identify and correct core problem. Escalates more complex problems. Assists in the evaluation of business problems, evaluates and recommends vendor packages, and implements required software. May assist in the evaluation of personnel end-user computing packages and equipment as well as in the implementation and testing of prototypes. Consults with client area management and staff regarding PC and LAN systems and equipment problems or malfunctions and recommends solutions. Generally, works under supervision of a team lead or manager.

General Experience/Education: Requires a High School degree and 1 year experience.

Commercial Job Title: Cloud Program Help Desk Specialist II

Functional Responsibility: Provides first and second-tier support to end users for either PC, server, or mainframe applications and hardware for programs involving cloud technologies. Fulfills customer service requests as required. Responds to and diagnoses problems through discussions with users. Includes problem recognition, research, isolation, and resolution steps. May involve use of problem management database and help desk systems. May interact with network services, software systems engineering, and/or applications development to restore service and/or identify and correct core problem. Escalates more complex problems. Assists in the evaluation of business problems, evaluates and recommends vendor packages, and implements required software. May assist in the evaluation of personnel end-user computing packages and equipment as well as in the implementation and testing of prototypes. Consults with client area management and staff regarding PC and LAN systems and equipment problems or malfunctions and recommends solutions. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 2 years' experience.

Commercial Job Title: Cloud Program Help Desk Specialist III

Functional Responsibility: Provides first and second-tier support to end users for either PC, server, or mainframe applications and hardware for programs involving cloud technologies. Fulfills customer service requests as required. Responds to and diagnoses problems through discussions with users. Includes problem recognition, research, isolation, and resolution steps. May involve use of problem management database and help desk systems. May interact with network services, software systems engineering, and/or applications development to restore service and/or identify and correct core problem. Escalates more complex problems. Assists in the evaluation of business problems, evaluates and recommends vendor packages, and implements required software. May assist in the evaluation of personnel end-user computing packages and equipment as well as in the implementation and testing of prototypes. Consults with client area management and staff regarding PC and LAN systems and equipment problems or malfunctions and recommends solutions. May supervise and/or provide technical direction to one or more subordinates or manage a team.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 3 years' experience.

Commercial Job Title: Cloud Program Manager

Functional Responsibility: Plans, organizes, and controls the overall activities of the contract and Task Orders (TOs) involving cloud technologies. Responsible for formulating and enforcing work standards, assigning contractor schedules, reviewing work discrepancies, supervising contract personnel, and communicating policies, purposes, and goals of an organization to subordinates. The Program Manager serves as primary client interface; confers with management on strategic issues; maximizes efficiency in achieving contract and Task Order cost, schedule, and technical quality parameters; performs and meets contract administrative requirements; and identifies and ensures the effectiveness of any corrective action resolution. In addition to management skills, the Program Manager directs and provides expertise for all phases of cloud technology program/projects from inception through completion across all Functional Areas. May also be responsible for serving as TO Project Manager for one or more TOs.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 10 years' experience.

Commercial Job Title: Cloud Program Network Specialist I

Functional Responsibility: Provides support related to the design, development, and implementation of a network in cloud-based environments. Develops test strategies, devices, and systems. Assists with stress and performance tests on a variety of computer networks. May support development of

architectural products and deliverables for the network. Generally, works under supervision of a team lead or manager.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 1 year experience.

Commercial Job Title: Cloud Program Network Specialist II

Functional Responsibility: Provides analysis and support related to the design, development, and implementation of a network in cloud-based environments. Develops test strategies, devices, and systems. Advises and assists with stress and performance tests on a variety of computer networks. May develop network-related architectural products and deliverables for the enterprise and operational business lines. May support development of strategy and design of network infrastructure necessary to support overall system strategy and design. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 3 years' experience.

Commercial Job Title: Cloud Program Network Specialist III

Functional Responsibility: Provides strategy, analysis, and support related to the design, development, and implementation of a network in cloud-based environments. Develops test strategies, devices, and systems. Advises and assists with stress and performance tests on a variety of computer networks. May develops network-related architectural products and deliverables for the enterprise and operational business lines. May support development of strategy and design of network infrastructure necessary to support overall system strategy and design. May supervise and/or provide technical direction to one or more subordinates or manage a team.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 5 years' experience.

Commercial Job Title: Cloud Program QA Analyst I

Functional Responsibility: Provides process guidance on cloud services tasks and provides quality review of program documentation, deliverables, and work products for accuracy, adherence to the program and organizational standards, and compliance with other applicable Government standards/requirements. Coordinates with QA team leads, the Project Manager, and/or Quality Assurance Manager to resolve quality-related issues. Follows approved processes and procedures to verify that services and work products for projects involving cloud technologies meet required standards and approved end-user requirements. May create test data for applications. May recommend improvements to current procedures to support continuous improvement. Generally, works under supervision of a team lead or manager.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 1 year experience.

Commercial Job Title: Cloud Program QA Analyst II

Functional Responsibility: Provides process guidance on cloud services tasks and provides quality review of program documentation, deliverables, and work products for accuracy, adherence to the program and organizational standards, and compliance with other applicable Government standards/requirements. Coordinates with QA team leads, the Project Manager, and/or Quality Assurance Manager to resolve quality-related issues. Follows approved processes and procedures to verify that services and work products for projects involving cloud technologies meet required standards and approved end-user requirements. May create test data for applications. Devises new procedures or improvements to current procedures to support continuous improvement. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 3 years' experience.

Commercial Job Title: Cloud Program QA Analyst III

Functional Responsibility: Provides process guidance on cloud services tasks and provides quality review of program documentation, deliverables, and work products for accuracy, adherence to the program and organizational standards, and compliance with other applicable Government standards/requirements. Coordinates with QA team leads, the Project Manager, and/or Quality Assurance Manager to resolve quality-related issues. Follows approved processes and procedures to verify that services and work products for projects involving cloud technologies meet required standards and approved end-user requirements. May create test data for applications. Devises new procedures or improvements to current procedures to support continuous improvement. May supervise and/or provide technical direction to one or more subordinates or manage a team.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 5 years' experience.

Commercial Job Title: Cloud Program Software Developer I

Functional Responsibility: Works from specifications to assist in developing and modifying software applications deployed in or supporting cloud environments. Assists with design, coding, benchmark testing, debugging, and documentation. May configure and/or customize Commercial-Off-The-Shelf (COTS) applications that are cloud-based or support cloud environments and assist in maintaining program libraries and technical manuals. Generally, works under supervision of a team lead or manager.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 1 year experience.

Commercial Job Title: Cloud Program Software Developer II

Functional Responsibility: Works from specifications to assist in developing and modifying software applications deployed in or supporting cloud environments. Assists with design, coding, benchmark testing, debugging, and documentation. May configure and/or customize Commercial-Off-The-Shelf (COTS) applications that are cloud-based or support cloud environments and assist in maintaining program libraries and technical manuals. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 3 years' experience.

Commercial Job Title: Cloud Program Software Developer III

Functional Responsibility: Works from specifications to assist in developing and modifying software applications deployed in or supporting cloud environments. Assists with design, coding, benchmark testing, debugging, and documentation. May configure and/or customize Commercial-Off-The-Shelf (COTS) applications that are cloud-based or support cloud environments and assist in maintaining program libraries and technical manuals. May supervise and/or provide technical direction to one or more subordinates or manage a team.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 5 years' experience.

Commercial Job Title: Cloud Program Software Engineer I

Functional Responsibility: Participates in the design of software tools and subsystems for projects involving cloud technologies. Analyzes functional business applications and design specifications for functional activities. Assists in interpreting software requirements and design specifications to code and integrates and tests software components. Prepares required documentation. May support refactoring of applications to support migration to cloud environments and/or improve efficiency and performance.

May provide configuration management support, software development environment tool support, and/or automation of software engineering tasks using DevSecOps tools and processes. Generally, works under supervision of a team lead or manager.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 1 year experience.

Commercial Job Title: Cloud Program Software Engineer II

Functional Responsibility: Participates in the design of software tools and subsystems for projects involving cloud technologies. Analyzes functional business applications and design specifications for functional activities. Assists in interpreting software requirements and design specifications to code and integrates and tests software components. Prepares required documentation. May support refactoring of applications to support migration to cloud environments and/or improve efficiency and performance. May provide configuration management support, software development environment tool support, and/or automation of software engineering tasks using DevSecOps tools and processes. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 3 years' experience.

Commercial Job Title: Cloud Program Software Engineer III

Functional Responsibility: Participates in the design of software tools and subsystems for projects involving cloud technologies. Analyzes functional business applications and design specifications for functional activities. Assists in interpreting software requirements and design specifications to code and integrates and tests software components. Prepares required documentation. May support refactoring of applications to support migration to cloud environments and/or improve efficiency and performance. May provide configuration management support, software development environment tool support, and/or automation of software engineering tasks using DevSecOps tools and processes. May supervise and/or provide technical direction to one or more subordinates or manage a team.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 5 years' experience.

Commercial Job Title: Cloud Program Subject Matter Expert I

Functional Responsibility: Serves as subject matter expert, possessing knowledge of a particular area, such as business, computer science, engineering, mathematics, or the various sciences, in support of programs involving cloud technologies. Provides technical knowledge and support of highly specialized applications and operational environments, functional systems analysis, design, integration, documentation and implementation advice on exceptionally complex problems that need extensive knowledge of the subject matter for effective implementation of cloud technologies and deploying or supporting systems in a cloud environment. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 4 years' experience.

Commercial Job Title: Cloud Program Subject Matter Expert II

Functional Responsibility: Serves as subject matter expert, possessing knowledge of a particular area, such as business, computer science, engineering, mathematics, or the various sciences, in support of programs involving cloud technologies. Provides technical knowledge and support of highly specialized applications and operational environments, functional systems analysis, design, integration, documentation and implementation advice on exceptionally complex problems that need extensive knowledge of the subject matter for effective implementation of cloud technologies and deploying or supporting systems in a cloud environment. Applies principles, methods and knowledge of the technical and or functional area of capability to specific task order requirements, advanced mathematical

principles and methods to exceptionally difficult and narrowly defined technical problems in engineering and other scientific applications to arrive at automated solutions. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 6 years' experience.

Commercial Job Title: Cloud Program Subject Matter Expert III

Functional Responsibility: Serves as subject matter expert, possessing knowledge of a particular area, such as business, computer science, engineering, mathematics, or the various sciences, in support of programs involving cloud technologies. Provides technical knowledge and support of highly specialized applications and operational environments, functional systems analysis, design, integration, documentation and implementation advice on exceptionally complex problems that need extensive knowledge of the subject matter for effective implementation of cloud technologies and deploying or supporting systems in a cloud environment. Applies principles, methods and knowledge of the technical and or functional area of capability to specific task order requirements, advanced mathematical principles and methods to exceptionally difficult and narrowly defined technical problems in engineering and other scientific applications to arrive at automated solutions. May supervise and/or provide technical direction to one or more subordinates or manage a team.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 8 years' experience.

Commercial Job Title: Cloud Program System Administrator I

Functional Responsibility: Provides system administration support for wide variety of IT related systems and networks within a cloud environment, including high volume/high availability systems. Maintains overall system efficiency and operation by conducting routine system administration tasks, including monitoring and performing preventative maintenance on supported systems and logging system support in system admin logs. Responsible for installation of software as well as applying required patches and upgrades. Applies knowledge and expertise in debugging protocols and processes within a cloud environment to troubleshoot problems and issues identified by customers and implement corrective actions quickly. May provide user account administration support. Generally, works under supervision of a team lead or manager.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 1 year experience.

Commercial Job Title: Cloud Program System Administrator II

Functional Responsibility: Provides system administration support for wide variety of IT related systems and networks within a cloud environment, including high volume/high availability systems. Maintains overall system efficiency and operation by conducting routine system administration tasks, including monitoring and performing preventative maintenance on supported systems and logging system support in system admin logs. Responsible for installation of software as well as applying required patches and upgrades. Applies knowledge and expertise in debugging protocols and processes within a cloud environment to troubleshoot problems and issues identified by customers and implement corrective actions quickly. May provide user account administration support. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 3 years' experience.

Commercial Job Title: Cloud Program System Administrator III

Functional Responsibility: Provides system administration support for wide variety of IT related systems and networks within a cloud environment, including high volume/high availability systems.

Maintains overall system efficiency and operation by conducting routine system administration tasks, including monitoring and performing preventative maintenance on supported systems and logging system support in system admin logs. Responsible for installation of software as well as applying required patches and upgrades. Applies knowledge and expertise in debugging protocols and processes within a cloud environment to troubleshoot problems and issues identified by customers and implement corrective actions quickly. May provide user account administration support. May supervise and/or provide technical direction to one or more subordinates or manage a team.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 5 years' experience.

Commercial Job Title: Cloud Program Systems Engineer I

Functional Responsibility: Provides support related to the design, development, and integration of hardware, software, man-machine interfaces and all system level requirements to provide an integrated IT solution deployed in or supporting cloud environments. Assists with integrated system test requirement, strategies, devices and systems. Generally, works under supervision of a team lead or manager.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 1 year experience.

Commercial Job Title: Cloud Program Systems Engineer II

Functional Responsibility: Provides analysis and engineering related to the design, development, and integration of hardware, software, man-machine interfaces and all system level requirements to provide an integrated IT solution deployed in or supporting cloud environments. Develops integrated system test requirement, strategies, devices and systems. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 3 years' experience.

Commercial Job Title: Cloud Program Systems Engineer III

Functional Responsibility: Provides senior level analysis and engineering related to the design, development, and integration of hardware, software, man-machine interfaces and all system level requirements to provide an integrated IT solution deployed in or supporting cloud environments. Develops integrated system test requirement, strategies, devices and systems. Directs overall system level testing. May supervise and/or provide technical direction to one or more subordinates or manage a team.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 5 years' experience.

Commercial Job Title: Cloud Program Technical Writer/Editor I

Functional Responsibility: Writes a variety of technical articles, reports, brochures, and/or manuals for documentation for programs and projects involving cloud technologies. Coordinates the display of graphics and the production of documents. Conforms with applicable documentation standards and style guides. May assist in production of technical and scientific illustrations for presentations, documents, and/or publications, as required. Generally, works under supervision of a team lead or manager.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 2 years' experience.

Commercial Job Title: Cloud Program Technical Writer/Editor II

Functional Responsibility: Writes a variety of technical articles, reports, brochures, and/or manuals for documentation for programs and projects involving cloud technologies. Coordinates the display of

graphics and the production of documents. Provides high-quality content that conforms with standards and applicable style guides. Reviews content of technical documentation for quality and conformance with standards and applicable style guides. May produce technical and scientific illustrations for presentations, documents, and/or publications, as required. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 4 years' experience.

Commercial Job Title: Cloud Program Technical Writer/Editor III

Functional Responsibility: Writes a variety of technical articles, reports, brochures, and/or manuals for documentation for programs and projects involving cloud technologies. Coordinates the display of graphics and the production of documents. Provides high-quality content that conforms with standards and applicable style guides. Reviews content of technical documentation for quality and conformance with standards and applicable style guides. May produce technical and scientific illustrations for presentations, documents, and/or publications, as required. May supervise and/or provide technical direction to one or more subordinates or manage a team.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 6 years' experience.

Commercial Job Title: Cloud Program Test Specialist I

Functional Responsibility: Assists with overall test tools and strategies for projects involving cloud technologies and/or deploying or supporting systems in a cloud environment. Executes test and evaluation procedures to ensure system requirements are met. Develops, maintains, and upgrades manual and, where applicable, automated test scripts. Develops reports for test results and overall test status. Participates in risk management activities with emphasis on analysis of user requirements for testability, test design, test tools, and test environments. May provide assistance with Government acceptance testing. May support development and configuration of test environments, test tools, and test databases. Generally, works under supervision of a team lead or manager.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 1 year experience.

Commercial Job Title: Cloud Program Test Specialist II

Functional Responsibility: Evaluates, recommends, and implements overall test tools and strategies for projects involving cloud technologies and/or deploying or supporting systems in a cloud environment. Develops and executes test and evaluation procedures to ensure system requirements are met. Develops, maintains, and upgrades manual and, where applicable, automated test scripts. Develops and reviews reports for test results and overall test status. Participates in risk management activities with emphasis on analysis of user requirements for testability, test design, test tools, and test environments. May provide assistance with Government acceptance testing. May support selection of tools and the development and configuration of test environments, test tools, and test databases. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 3 years' experience.

Commercial Job Title: Cloud Program Test Specialist III

Functional Responsibility: Evaluates, recommends, and implements overall test tools and strategies for projects involving cloud technologies and/or deploying or supporting systems in a cloud environment. Develops and executes test and evaluation procedures to ensure system requirements are met. Develops, maintains, and upgrades manual and, where applicable, automated test scripts. Develops and reviews reports for test results and overall test status. Participates in risk management activities with emphasis on analysis of user requirements for testability, test design, test tools, and test environments.

May provide assistance with Government acceptance testing. May support selection of tools and the development and configuration of test environments, test tools, and test databases. May supervise and/or provide technical direction to one or more subordinates or manage a team.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 5 years' experience.

Commercial Job Title: Cloud Program Training Specialist

Functional Responsibility: Responsible for preparing cloud technology and associated IT related Training Plans and curricula; scheduling of resources; conducting classroom and distance training; preparing, updating and distributing User Manuals; updating training material as system changes are implemented, for developing remedial training as necessary and for developing special training as the need arises. Responsible for identifying and effectively communicating the knowledge and skills required to successfully complete tasks.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 2 years' experience.

Commercial Job Title: Cloud Project Control Specialist

Functional Responsibility: Directs budgeting, manpower and resource planning, and financial reporting in support of IT projects involving cloud technologies. Performs complex evaluations of existing procedures, processes, techniques, models, and/or systems related to management problems or contractual issues. Develops work breakdown structures, prepares charts, tables, graphs, and diagrams to assist in analyzing problems. May support cost estimation and tracking of licenses for products and managed services in cloud environments.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 4 years' experience.

Commercial Job Title: Cloud Project Manager

Functional Responsibility: Serves as project manager for a large, complex IT related Task Order or contract involving cloud technologies. Assists Program Manager in working with Government Contracting Officer, contract or task-level Contracting Officer's Representative, Government management personnel, and customer agency representatives. Responsible for developing the Project Management Work Plan and other contract documents to provide cloud services and implement solutions in cloud-based environments. Directs the day-to-day efforts of the contractor technical personnel. Ensures the quality of deliverable documents, software, engineering plans, or installations. Monitors activities under the contract to ensure that all activities are properly executed in accordance with TO requirements and the Contracting Officer's Technical Representative (COTR) direction. Performs enterprise wide horizontal integration planning and interfaces to other functional systems.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 5 years' experience.

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Commercial Job Title: Cybersecurity Architect I

Functional Responsibility: Participates in design, development, and implementation of IT security architectures and solutions. Applies knowledge and expertise designing, deploying, and supporting systems in secure environments to provide oversight and management of system administrators, system engineers, developers, or other technical staff. Participates in discussions with senior leadership and government stakeholders to gather and validate requirements, conduct reviews, and identify business process improvements. Participates in critical infrastructure decisions. Assists with development and maintenance of project documentation. Assists with coordination of project related procurements and development of project schedules and project deliverables. May provide third level support for network and system security related issues. Must have excellent written and oral communications skills and be able to present technical concepts to non-technical audiences. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 4 years' experience.

Commercial Job Title: Cybersecurity Architect II

Functional Responsibility: Designs, builds, and implements security architectures and solutions. Applies knowledge and expertise designing, deploying, and supporting systems in secure environments to provide oversight and management of system administrators, system engineers, developers, or other technical staff. Participates in discussions with senior leadership and government stakeholders to gather and validate requirements, conduct reviews, and identify business process improvements. Provides inputs and recommendations to critical infrastructure decisions. Develops and maintains project documentation. Assists with coordination project related procurements, develops project schedules, and manages project and contract resources. May provides third level support for network and system security related issues. Must have excellent written and oral communications skills and be able to present technical concepts to non-technical audiences. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 6 years' experience.

Commercial Job Title: Cybersecurity Architect III

Functional Responsibility: Leads and/or oversees design, development, and implementation of security architectures and solutions. Applies knowledge and expertise designing, deploying, and supporting systems in secure environments to provide oversight and management of system administrators, system engineers, developers, or other technical staff. Leads discussions with senior leadership and government stakeholders to gather and validate requirements, conduct reviews, and identify business process improvements. Advises on critical infrastructure decisions. Develops and maintains project documentation. Coordinates project related procurements, develops project schedules, and manages project and contract resources. Responsible for project deliverables. Provides third level support for network and system security related issues. Must have excellent written and oral communications skills and be able to present technical concepts to non-technical audiences. May supervise and/or provide technical direction to one or more subordinates or manage a team.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 8 years' experience.

Commercial Job Title: Cybersecurity Documentation Specialist I

Functional Responsibility: Assists with gathering, analyzing, and composing technical information. Assist with research and ensuring the use of proper technical terminology within documentation for projects

involving cybersecurity services and solutions. May support development and update of cybersecurity documentation including System Security Plans (SSP), Plans of Action and Milestones (POA&M), Authorization and Assessment (A&A) documentation; System Assessment Plans (SAP), System Assessment Reports (SAR), etc. Translates technical information into clear, readable documents to be used by technical and non-technical personnel. Generally, works under supervision of a team lead or manager.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 1 years' experience.

Commercial Job Title: Cybersecurity Documentation Specialist II

Functional Responsibility: Gathers, analyzes, and composes technical information. Conducts research and ensures the use of proper technical terminology within documentation for projects involving cybersecurity services and solutions. May support development and update of cybersecurity documentation including System Security Plans (SSP), Plans of Action and Milestones (POA&M), Authorization and Assessment (A&A) documentation; System Assessment Plans (SAP), System Assessment Reports (SAR), etc. Translates technical information into clear, readable documents to be used by technical and non-technical personnel. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 2 years' experience.

Commercial Job Title: Cybersecurity Documentation Specialist III

Functional Responsibility: Leads and participates in efforts to gathers, analyze, and compose technical information. Conducts research and ensures the use of proper technical terminology within documentation for projects involving cybersecurity services and solutions. May support development and update of cybersecurity documentation including System Security Plans (SSP), Plans of Action and Milestones (POA&M), Authorization and Assessment (A&A) documentation; System Assessment Plans (SAP), System Assessment Reports (SAR), etc. Translates technical information into clear, readable documents to be used by technical and non-technical personnel. May supervise and/or provide technical direction to one or more subordinates or manage a team.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 3 years' experience.

Commercial Job Title: Cybersecurity Engineer I

Functional Responsibility: Assists with engineering, implementation, and monitoring of security measures for the protection of computer systems, networks, and information. Applies knowledge and expertise of thorough understanding of the latest security principles, techniques, and protocols and of designing, deploying, and supporting systems in secure environments across multiple disciplines including systems engineering, security engineering, software engineering, database administration, database development, and/or network engineering. Applies hands-on experience in security systems, including firewalls, intrusion detection systems, anti-virus software, authentication systems, log management, content filtering, etc. as well as with network security, networking technologies, and with system, security, and network monitoring tools, to implement cybersecurity solutions. Assists with identification and definition of system security requirements. May configure and troubleshoot security infrastructure devices. May develop technical solutions and new security tools to help mitigate security vulnerabilities and automate repeatable tasks. May support and provide guidance for implementation of APIs, orchestration, automation, DevSecOps and databases. Develops and maintains technical project documentation and Standard Operating Procedures (SOPs). May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 4 years' experience.

Commercial Job Title: Cybersecurity Engineer II

Functional Responsibility: Engineers, implements, and monitors security measures for the protection of computer systems, networks and information. Applies knowledge and expertise of thorough understanding of the latest security principles, techniques, and protocols and of designing, deploying, and supporting systems in secure environments across multiple disciplines including systems engineering, security engineering, software engineering, database administration, database development, and/or network engineering. Provides cybersecurity policy, methods, and tools expertise, including open source technology, software development, system engineering, and scripting languages. Applies hands-on experience in security systems, including firewalls, intrusion detection systems, anti-virus software, authentication systems, log management, content filtering, etc. ,as well as with network security, networking technologies, and with system, security, and network monitoring tools, to implement cybersecurity solutions. Assists with identification and definition of system security requirements. May configure and troubleshoot security infrastructure devices. May develop technical solutions and new security tools to help mitigate security vulnerabilities and automate repeatable tasks. May support and provide guidance for implementation of APIs, orchestration, automation, DevSecOps and databases. Develops and maintains technical project documentation and Standard Operating Procedures (SOPs). May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 6 years' experience.

Commercial Job Title: Cybersecurity Engineer III

Functional Responsibility: Leads engineering, implementation, and monitoring of security measures for the protection of computer systems, networks, and information. Applies knowledge and expertise of thorough understanding of the latest security principles, techniques, and protocols and of designing, deploying, and supporting systems in secure environments across multiple disciplines including systems engineering, security engineering, software engineering, database administration, database development, and/or network engineering. Provides cybersecurity policy, methods, and tools expertise, including open source technology, software development, system engineering, and scripting languages. Applies hands-on experience in security systems, including firewalls, intrusion detection systems, anti-virus software, authentication systems, log management, content filtering, etc. ,as well as with network security, networking technologies, and with system, security, and network monitoring tools, to implement cybersecurity solutions. Identifies and defines system security requirements. May configure and troubleshoot security infrastructure devices. May develop technical solutions and new security tools to help mitigate security vulnerabilities and automate repeatable tasks. May support and provide guidance for implementation of APIs, orchestration, automation, DevSecOps and databases. Develops and maintains technical project documentation and Standard Operating Procedures (SOPs). May supervise and/or provide technical direction to one or more subordinates or manage a team.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 8 years' experience.

Commercial Job Title: Cybersecurity Help Desk Specialist I

Functional Responsibility: Applies knowledge and experience with security operations, including Instruction Detection Systems/Intrusion Prevention Systems (IDS/IPS), Domain Name Servers (DNS), Virtual Private Networks (VPN), network security, firewalls, application, and systems to provide first-level customer support, and may serve in Security Operations Center (SOC) analyst role. Responds to and diagnoses problems through discussions with users. Includes problem recognition, research, isolation, and resolution steps. Validates suspicious events and incidents by using open source and propriety intelligence sources. Reports incidents to the client using a management interface with clients to resolve issues, provide additional information, and answer questions related to incidents. Executes

Standard Operating Procedures (SOPs) based on the type of event or behavior. May involve use of problem management database and help desk systems. May interact with network services, security, software systems engineering, and/or applications development to restore service and/or identify and correct core problem. Escalates more complex problems. May assist in the evaluation of personnel end-user computing packages and equipment as well as in the implementation and testing of prototypes. Generally, works under supervision of a team lead or manager.

General Experience/Education: Requires an Associates degree or 2 years' equivalent experience and 1 years' experience.

Commercial Job Title: Cybersecurity Help Desk Specialist II

Functional Responsibility: Applies knowledge and experience with security operations, including Intrusion Detection Systems/Intrusion Prevention Systems (IDS/IPS), Domain Name Servers (DNS), Virtual Private Networks (VPN), network security, firewalls, application, and systems to provide first- and second-level customer support, and may serve in Security Operations Center (SOC) analyst role. Responds to and diagnoses problems through discussions with users. Includes problem recognition, research, isolation, and resolution steps. Validates suspicious events and incidents by using open source and propriety intelligence sources. Reports incidents to the client using a management interface with clients to resolve issues, provide additional information, and answer questions related to incidents. Executes Standard Operating Procedures (SOPs) based on the type of event or behavior. May involve use of problem management database and help desk systems. May interact with network services, security, software systems engineering, and/or applications development to restore service and/or identify and correct core problem. Escalates more complex problems. Assists in the evaluation of business problems, evaluation and recommendation of vendor packages, and implementation of required software. May assist in the evaluation of personnel end-user computing packages and equipment as well as in the implementation and testing of prototypes. Consults with client area management and staff regarding PC and LAN systems and equipment problems, malfunctions, or security vulnerabilities and recommends solutions. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 2 years' experience.

Commercial Job Title: Cybersecurity Help Desk Specialist III

Functional Responsibility: Applies knowledge and experience with security operations, including Intrusion Detection Systems/Intrusion Prevention Systems (IDS/IPS), Domain Name Servers (DNS), Virtual Private Networks (VPN), network security, firewalls, application, and systems to provide first- and second-level customer support, and may serve in lead Security Operations Center (SOC) analyst role. Responds to and diagnoses problems through discussions with users. Includes problem recognition, research, isolation, and resolution steps. Validates suspicious events and incidents by using open source and propriety intelligence sources. Reports incidents to the client using a management interface with clients to resolve issues, provide additional information, and answer questions related to incidents. Executes Standard Operating Procedures (SOPs) based on the type of event or behavior. May involve use of problem management database and help desk systems. May interact with network services, security, software systems engineering, and/or applications development to restore service and/or identify and correct core problem. Escalates more complex problems. Leads assessment business problems, evaluation and recommendation of vendor packages, and implementation of required software. May assist in the evaluation of personnel end-user computing packages and equipment as well as in the implementation and testing of prototypes. Consults with and advises client area management and staff regarding PC and LAN systems and equipment problems, malfunctions, or security vulnerabilities and recommends solutions. May supervise and/or provide technical direction to one or more subordinates or manage a team.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 3 years' experience.

Commercial Job Title: Cybersecurity Network Specialist I

Functional Responsibility: Applies knowledge and experience with security operations, including Instruction Detection Systems/Intrusion Prevention Systems (IDS/IPS), Domain Name Servers (DNS), Virtual Private Networks (VPN), network security, firewalls, switching, routing, Ethernet, and TCP/IP to provide support related to the design, development, and implementation and protection of a network. Assists with stress, performance, and security testing on a variety of computer networks. May support development of architectural products and deliverables for the network. Generally, works under supervision of a team lead or manager.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 1 years' experience.

Commercial Job Title: Cybersecurity Network Specialist II

Functional Responsibility: Applies knowledge and experience with security operations, including Instruction Detection Systems/Intrusion Prevention Systems (IDS/IPS), Domain Name Servers (DNS), Virtual Private Networks (VPN), network security, firewalls, switching, routing, Ethernet, and TCP/IP to provide support related to the design, development, and implementation and protection of a network. Provides input into test strategies, devices, and systems. Assists with stress, performance, and security testing on a variety of computer networks. May support development of architectural products and deliverables for the network. May support development of strategy and design of network security infrastructure necessary to support overall system strategy and design. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 3 years' experience.

Commercial Job Title: Cybersecurity Network Specialist III

Functional Responsibility: Applies knowledge and experience with security operations, including Instruction Detection Systems/Intrusion Prevention Systems (IDS/IPS), Domain Name Servers (DNS), Virtual Private Networks (VPN), network security, firewalls, switching, routing, Ethernet, and TCP/IP to provide senior-level support related to the design, development, and implementation and protection of a network. Devises and develops test strategies, devices, and systems. Provides senior advisory and technical support for stress, performance, and security testing on a variety of computer networks. May develop architectural products and deliverables for the network. May develop strategy and design of network security infrastructure necessary to support overall system strategy and design. May supervise and/or provide technical direction to one or more subordinates or manage a team.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 5 years' experience.

Commercial Job Title: Cybersecurity Program Administrative Specialist

Functional Responsibility: Performs clerical and administrative support work under general supervision for IT related projects and personnel on programs involving cybersecurity related services. Types and proofreads. Maintains filing system. Answers telephones and routine requests, schedules meetings, performs mail distribution, codes and files documents, and makes travel arrangements.

General Experience/Education: Requires an Associates degree or 2 years' equivalent experience and 1 years' experience.

Commercial Job Title: Cybersecurity Program Business Analyst I

Functional Responsibility: Performs analysis and research for projects involving cybersecurity services and solutions and/or in support of business processes and supporting systems. May collect and analyze

information security performance metrics. Contributes to deliverables and performance metrics where applicable. Analyzes stakeholder requirements as well as applicable industry, agency, and Federal guidelines and requirements. Develops documentation and work products which may include systems scope statements, business process models, business process descriptions, workflow diagrams, functional and non-functional requirements, program performance documentation, end-user documentation, testing documentation, training documentation, and other internal work products and deliverable documentation. Generally, works under supervision of a team lead or manager.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 1 years' experience.

Commercial Job Title: Cybersecurity Program Business Analyst II

Functional Responsibility: Performs analysis and research for projects involving cybersecurity services and solutions and/or in support of business processes and supporting systems. May collect and analyze information security performance metrics. Contributes to deliverables and performance metrics where applicable. Analyzes stakeholder requirements as well as applicable industry, agency, and Federal guidelines and requirements. Develops documentation and work products which may include systems scope statements, business process models, business process descriptions, workflow diagrams, functional and non-functional requirements, program performance documentation, end-user documentation, testing documentation, training documentation, and other internal work products and deliverable documentation. Assists in translating functional/business needs into IT requirements. Provides liaison support between IT and the functional stakeholders. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 3 years' experience.

Commercial Job Title: Cybersecurity Program Business Analyst III

Functional Responsibility: Leads and performs analysis and research for projects involving cybersecurity services and solutions and/or in support of business processes and supporting systems. May collect and analyze information security performance metrics. Contributes to deliverables and performance metrics where applicable. Analyzes stakeholder requirements as well as applicable industry, agency, and Federal guidelines and requirements. Leads development of documentation and work products which may include systems scope statements, business process models, business process descriptions, workflow diagrams, functional and non-functional requirements, program performance documentation, end-user documentation, testing documentation, training documentation, and other internal work products and deliverable documentation. Provides senior-level advisory support and consultation on complex IT projects, helping translate functional/business needs into IT requirements while considering the business implications of the application of technology to the current and future IT environments, particularly the impact of implementing security protocols, processes, and tools. Provides liaison support between IT and the functional stakeholders. May supervise and/or provide technical direction to one or more subordinates or manage a team.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 5 years' experience.

Commercial Job Title: Cybersecurity Program Manager

Functional Responsibility: Plans, organizes, and controls the overall activities of the contract and Task Orders involving cybersecurity services and solutions. Responsible for formulating and enforcing work standards, assigning contractor schedules, reviewing work discrepancies, supervising contract personnel, and communicating policies, purposes, and goals of an organization to subordinates. The Program Manager serves as primary client interface; confers with management on strategic issues; maximizes efficiency in achieving contract and Task Order cost, schedule, and technical quality parameters; performs and meets contract administrative requirements; and identifies and ensures the

effectiveness of any corrective action resolution. In addition to management skills, the Program Manager directs and provides expertise for all phases programs/projects from inception through completion across all Functional Areas. May also be responsible for serving as Task Order Project Manager for one or more Task Orders.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 10 years' experience.

Commercial Job Title: Cybersecurity Program QA Analyst I

Functional Responsibility: Provides quality review of program documentation, deliverables, and work products for accuracy, adherence to the program and organizational standards, and compliance with other applicable Government standards/requirements on tasks involving cybersecurity services and solutions. Coordinates with QA team leads, the Project Manager, and/or Quality Assurance Manager to resolve quality-related issues. Follows approved processes and procedures to verify that services and work products for projects involving cybersecurity services and solutions meet required standards and approved end-user requirements. May create test data for applications. May recommend improvements to current procedures to support continuous improvement. Generally, works under supervision of a team lead or manager.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 1 years' experience.

Commercial Job Title: Cybersecurity Program QA Analyst II

Functional Responsibility: Provides process guidance on tasks involving cybersecurity services and solutions and provides quality review of program documentation, deliverables, and work products for accuracy, adherence to the program and organizational standards, and compliance with other applicable Government standards/requirements. Coordinates with QA team leads, the Project Manager, and/or Quality Assurance Manager to resolve quality-related issues. Follows approved processes and procedures to verify that services and work products for projects involving cybersecurity services and solutions meet required standards and approved end-user requirements. May create test data for applications. Devises new procedures or improvements to current procedures to support continuous improvement. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 3 years' experience.

Commercial Job Title: Cybersecurity Program QA Analyst III

Functional Responsibility: Provides process guidance on tasks involving cybersecurity services and solutions and provides quality review of program documentation, deliverables, and work products for accuracy, adherence to the program and organizational standards, and compliance with other applicable Government standards/requirements. Coordinates with QA team leads, the Project Manager, and/or Quality Assurance Manager, as needed, to resolve quality-related issues. Develops, follows, and continually improves processes and procedures to verify that services and work products for projects involving cybersecurity services and solutions meet required standards and approved end-user requirements. May create test data for applications. Devises new procedures or improvements to current procedures to support continuous improvement. May serve as QA team lead or Quality Assurance Manager. May supervise and/or provide technical direction to one or more subordinates or manage a team.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 5 years' experience.

Commercial Job Title: Cybersecurity Project Control Specialist

Functional Responsibility: Directs budgeting, manpower and resource planning, and financial reporting in support of IT projects involving cybersecurity services and solutions. Performs complex evaluations of

existing procedures, processes, techniques, models, and/or systems related to management problems or contractual issues. Develops work breakdown structures, prepares charts, tables, graphs, and diagrams to assist in analyzing problems. May support cost estimation and tracking of licenses for products.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 4 years' experience.

Commercial Job Title: Cybersecurity Project Manager

Functional Responsibility: Serves as project manager for a large, complex IT related Task Order or contract involving cybersecurity services and solutions. Assists Program Manager in working with Government Contracting Officer, contract or task-level Contracting Officer's Representative, Government management personnel, and customer agency representatives. Responsible for developing the Project Management Work Plan and other contract documents. Directs the day-to-day efforts of the contractor technical personnel. Ensures the quality of deliverable documents, software, engineering plans, or installations. Monitors activities under the contract to ensure that all activities are properly executed in accordance with Task Order requirements and the COTR's direction. Performs enterprise wide horizontal integration planning and interfaces to other functional systems.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 5 years' experience.

Commercial Job Title: Cybersecurity Software Systems Developer I

Functional Responsibility: Participates in the design and development of secure software tools and subsystems. Works from specifications to assist in developing, modifying, and securing software applications. Assists with design, coding, testing, debugging, and documentation. May use software scanning tools to identify potential security vulnerabilities. May configure and/or customize Commercial-Off-The-Shelf (COTS) applications and assist in maintaining program libraries and technical manuals. May provide configuration management support, software development environment tool support, and/or automation of software engineering tasks using DevSecOps tools and processes. Generally, works under supervision of a team lead or manager.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 1 years' experience.

Commercial Job Title: Cybersecurity Software Systems Developer II

Functional Responsibility: Participates in the design and development of secure software tools and subsystems. Works from specifications to assist in developing, modifying, and securing software applications. Assists with design, coding, testing, debugging, and documentation. May use software scanning tools to identify potential security vulnerabilities. May configure and/or customize Commercial-Off-The-Shelf (COTS) applications and assist in maintaining program libraries and technical manuals. May provide configuration management support, software development environment tool support, and/or automation of software engineering and software security tasks using DevSecOps tools and processes. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 3 years' experience.

Commercial Job Title: Cybersecurity Software Systems Developer III

Functional Responsibility: Participates in the design and development of secure software tools and subsystems. Works from specifications to assist in developing, modifying, and securing software applications. Assists with design, coding, testing, debugging, and documentation. Advises on strategy, tools, and processes for automated software scanning to identify potential security vulnerabilities and implementing security throughout the development life cycle. May configure and/or customize Commercial-Off-The-Shelf (COTS) applications and assist in performing security analyses, maintaining

program libraries, and technical manuals. May provide configuration management support, software development environment tool support, and/or automation of software engineering and software security tasks using DevSecOps tools and processes. May supervise and/or provide technical direction to one or more subordinates or manage a team.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 5 years' experience.

Commercial Job Title: Cybersecurity Specialist I

Functional Responsibility: Provides monitoring, auditing, scanning, and other technical analysis and reporting as needed for compliance with security requirements. Responsible for physical security assessments of servers, computer systems, and networks. Conducts regular security audits. Completes network mapping to identify live hosts and active Ports, Protocols and Services (PPS) and analyze the results of NMAP data to identify risky PPS. Conducts vulnerability and system compliance assessments for Cyber Vulnerability Assessments (CVA). May conduct or coordinate penetration test activities. Generally, works under supervision of a team lead or manager.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 1 years' experience.

Commercial Job Title: Cybersecurity Specialist II

Functional Responsibility: Provides support for implementation of enterprise and system security requirements for complex IT systems. Analyzes user, policy, and regulatory requirements and resource demands and coordinates with customer organization to establish and define programs, resources, and risks. Performs monitoring, auditing, scanning, and other technical analysis and reporting as needed for compliance with security requirements. May be responsible for physical security assessments of servers, computer systems, and networks. May conducts regular security audits. May complete network mapping to identify live hosts and active Ports, Protocols and Services (PPS) and analyze the results of NMAP data to identify risky PPS. May conduct vulnerability and system compliance assessments for Cyber Vulnerability Assessments (CVA). May conduct or coordinate penetration test activities. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 3 years' experience.

Commercial Job Title: Cybersecurity Specialist III

Functional Responsibility: Leads and provides support for implementation of enterprise and system security requirements for complex IT systems. Analyzes user, policy, and regulatory requirements and resource demands and coordinates with customer organization to establish and define programs, resources, and risks. Provides strategy for and performs monitoring, auditing, scanning, and other technical analysis and reporting as needed for compliance with security requirements. May be responsible for physical security assessments of servers, computer systems, and networks. May conducts regular security audits. May complete network mapping to identify live hosts and active Ports, Protocols and Services (PPS) and analyze the results of NMAP data to identify risky PPS. May conduct vulnerability and system compliance assessments for Cyber Vulnerability Assessments (CVA). May conduct or coordinate penetration test activities. May supervise and/or provide technical direction to one or more subordinates or manage a team.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 5 years' experience.

Commercial Job Title: Cybersecurity Subject Matter Expert I

Functional Responsibility: Serves as subject matter expert, possessing knowledge of cybersecurity best practices or in a particular specialized field. Provides technical knowledge and support of highly specialized applications and operational environments, functional systems analysis, design, integration,

documentation, and implementation advice on exceptionally complex problems that need extensive knowledge of the subject matter for effective implementation of cybersecurity controls and methods. Provides technical expertise to business and IT programs pertaining to system design, engineering, and implementation while promoting protection, integrity, and confidentiality of business information in compliance with organizational policies, standards, and guidelines. Applies principles, methods, and knowledge of the technical and or functional area of capability to task order requirements to difficult and/or narrowly defined technical problems in engineering and other scientific applications to arrive at efficient and automated solutions. May provide technical and security management services in the area of information systems security, systems security analysis, web application security analysis, cyber security evaluations, assessments of cyber security controls, documentation support, or database administration. May advise or support cyber Assessment and Authorization (A&A), Cyber Security Authorization Process, Continuous Monitoring, Contingency planning/Disaster Recover (DR) and Information System Security Office (ISSO) efforts. Participates in discussions with senior leadership and government stakeholders to gather and validate requirements, conduct reviews, and identify business process improvements. Advises on critical infrastructure decisions. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 4 years' experience.

Commercial Job Title: Cybersecurity Subject Matter Expert II

Functional Responsibility: Serves as subject matter expert, possessing knowledge of cybersecurity best practices or in a particular specialized field. Provides technical knowledge and support of highly specialized applications and operational environments, functional systems analysis, design, integration, documentation, and implementation advice on exceptionally complex problems that need extensive knowledge of the subject matter for effective implementation of cybersecurity controls and methods. Provides technical expertise to business and IT programs pertaining to system design, engineering, and implementation while promoting protection, integrity, and confidentiality of business information in compliance with organizational policies, standards, and guidelines. Applies principles, methods, and knowledge of the technical and or functional area of capability to task order requirements to difficult and/or narrowly defined technical problems in engineering and other scientific applications to arrive at efficient and automated solutions. May provide technical and security management services in the area of information systems security, systems security analysis, web application security analysis, cyber security evaluations, assessments of cyber security controls, documentation support, or database administration. May advise or support cyber Assessment and Authorization (A&A), Cyber Security Authorization Process, Continuous Monitoring, Contingency planning/Disaster Recover (DR) and Information System Security Office (ISSO) efforts. Leads discussions with senior leadership and government stakeholders to gather and validate requirements, conduct reviews, and identify business process improvements. Provides input and recommendations for critical infrastructure decisions. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 6 years' experience.

Commercial Job Title: Cybersecurity Subject Matter Expert III

Functional Responsibility: Serves as senior subject matter expert, possessing extensive knowledge of cybersecurity best practices or in a particular specialized field. Provides expert-level technical knowledge and support of highly specialized applications and operational environments, functional systems analysis, design, integration, documentation, and implementation advice on exceptionally complex problems that need extensive knowledge of the subject matter for effective implementation of cybersecurity controls and methods. Provides technical expertise to business and IT programs pertaining to system design, engineering, and implementation while promoting protection, integrity, and confidentiality of business information in compliance with organizational policies, standards, and

guidelines. Applies principles, methods, and knowledge of the technical and or functional area of capability to task order requirements to exceptionally difficult and/or narrowly defined technical problems in engineering and other scientific applications to arrive at efficient and automated solutions. May lead or provide technical and security management services in the area of information systems security, systems security analysis, web application security analysis, cyber security evaluations, assessments of cyber security controls, documentation support, or database administration. May advise or support cyber Assessment and Authorization (A&A), Cyber Security Authorization Process, Continuous Monitoring, Contingency planning/Disaster Recover (DR) and Information System Security Office (ISSO) efforts. Leads discussions with senior leadership and government stakeholders to gather and validate requirements, conduct reviews, and identify business process improvements. Advises and recommends courses of action (COA) on critical infrastructure decisions. May supervise and/or provide technical direction to one or more subordinates or manage a team.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 8 years' experience.

Commercial Job Title: Cybersecurity System Administrator I

Functional Responsibility: Conducts routine system administration tasks, including monitoring and performing preventative maintenance on supported systems and logging system support in system admin logs. Installs software, upgrades, and patches to operating systems and system software. May provides licensing support for software applications and security tools, perform hardware and software setup, perform scheduled system backups, conduct required audits. Performs work in accordance with established IT policies and procedures, following Standard Operating Procedures (SOPs) for assigned tasks. Troubleshoots problems and issues identified by customers and implement corrective actions quickly or escalates problems for senior level support as needed. May provide user account administration support. Generally, works under supervision of a team lead or manager.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 1 years' experience.

Commercial Job Title: Cybersecurity System Administrator II

Functional Responsibility: Applies experience and knowledge of operating systems, network infrastructure, and network operations to provide system administration and security support for a wide variety of IT related systems and networks. Maintains overall system efficiency and operation by conducting routine system administration tasks, including monitoring and performing preventative maintenance on supported systems and logging system support in system admin logs. Installs software, upgrades, and patches to operating systems and system software. Monitors and tunes systems to achieve optimum performance levels. May provides licensing support for software applications and security tools. Performs hardware and software setup, implements configuration management, and conducts required audits. Conducts scheduled backup and system archives. Performs work in accordance with established IT policies and procedures. Enforces change management and compliance processes. Applies knowledge and expertise in debugging protocols and processes to troubleshoot problems and issues identified by customers and implement corrective actions quickly. May provide user account administration support. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 3 years' experience.

Commercial Job Title: Cybersecurity System Administrator III

Functional Responsibility: Applies experience and knowledge of operating systems, network infrastructure, and network operations to lead and provide system administration and security support services for a wide variety of IT related systems and networks. Maintains overall system efficiency and operation by managing and conducting routine system administration tasks, including monitoring and

performing preventative maintenance on supported systems and ensuring all system support activities are recorded in system admin logs. Leads installation of software, upgrades, and patches to operating systems and system software. Leads efforts to monitor and tune systems to achieve optimum performance levels. May lead licensing support efforts for software applications and security tools. Manages and oversees hardware and software setup, configuration management, and required audits. Ensures data/media recoverability through scheduled backup and archive system. Assures compliance with standards through performance of hardware and software audits of workstations and servers. Performs work in accordance with established IT policies and procedures. Enforces change management and compliance processes. Applies knowledge and expertise in debugging protocols and processes to troubleshoot problems and issues identified by customers and implement corrective actions quickly. May provide user account administration support. May supervise and/or provide technical direction to one or more subordinates or manage a team.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 5 years' experience.

Commercial Job Title: Cybersecurity Systems Engineer I

Functional Responsibility: Provides support related to the design, development, integration, and security of hardware, software, man-machine interfaces, and all system level requirements to provide an integrated IT solution. Assists with design, development, and implementation of security measures that provide confidentiality, integrity, availability, authentication, and non-repudiation. Assists with integrated system and security test requirements, strategies, devices, and systems. Generally, works under supervision of a team lead or manager.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 1 years' experience.

Commercial Job Title: Cybersecurity Systems Engineer II

Functional Responsibility: Provides analysis and engineering related to the design, development, and integration, and security of hardware, software, man-machine interfaces, and all system level requirements to provide an integrated IT solution. Assists with design, development, and implementation of security measures that provide confidentiality, integrity, availability, authentication, and non-repudiation. Develops integrated system and security test requirements, strategies, devices, and systems. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 3 years' experience.

Commercial Job Title: Cybersecurity Systems Engineer III

Functional Responsibility: Provides senior level analysis and engineering related to the design, development, and integration, and security of hardware, software, man-machine interfaces, and all system level requirements to provide an integrated IT solution. Designs, develops, and implements security measures that provide confidentiality, integrity, availability, authentication, and non-repudiation. Develops integrated system and security test requirements, strategies, devices, and systems. Directs overall system level testing. May supervise and/or provide technical direction to one or more subordinates or manage a team.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 5 years' experience.

Commercial Job Title: Cybersecurity Technical Writer/Editor I

Functional Responsibility: Contributes to technical articles, reports, brochures, and/or manuals for documentation for programs and projects involving cybersecurity services and solutions. May coordinate development of graphics. Conforms with applicable documentation standards, style guides, and Standard Operating Procedures (SOPs), including document production processes. May assist in

production of technical and scientific illustrations for presentations, documents, and/or publications, as required. Generally, works under supervision of a team lead or manager.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 2 years' experience.

Commercial Job Title: Cybersecurity Technical Writer/Editor II

Functional Responsibility: Writes technical articles, reports, brochures, and/or manuals for documentation for programs and projects involving cybersecurity services and solutions. Coordinates development of graphics and the production of documents. Provides high-quality content that conforms with standards and applicable style guides. Reviews content of technical documentation for quality and conformance with standards, applicable style guides, and Standard Operating Procedures (SOPs). May produce technical and scientific illustrations for presentations, documents, and/or publications, as required. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 4 years' experience.

Commercial Job Title: Cybersecurity Technical Writer/Editor III

Functional Responsibility: Leads and contributes writing for technical articles, reports, brochures, and/or manuals for documentation for programs and projects involving cybersecurity services and solutions. Coordinates the development of graphics and the production of documents. Provides high-quality content that conforms with standards and applicable style guides. Develops, refines, and continually improves documentation standards, style guides, and Standard Operating Procedures (SOPs). Reviews content of technical documentation for quality and conformance with standards and applicable style guides. May produce technical and scientific illustrations for presentations, documents, and/or publications, as required. May supervise and/or provide technical direction to one or more subordinates or manage a team.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 6 years' experience.

Commercial Job Title: Cybersecurity Test Specialist I

Functional Responsibility: Executes test and evaluation procedures to ensure system and security requirements are met. Develops, maintains, and upgrades manual and, where applicable, automated test scripts. Develops reports for test results and overall test status. May conduct cyber vulnerability and penetration testing and supporting related exercise and test events. May provide assistance with Government acceptance testing. May support development and configuration of test environments, test tools, and test databases. Follows approved Standard Operating Procedures (SOPs) for assigned tasks. Generally, works under supervision of a team lead or manager.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 1 years' experience.

Commercial Job Title: Cybersecurity Test Specialist II

Functional Responsibility: Assists with overall test tools and strategies for projects involving cybersecurity services and solutions. Develops and executes test and evaluation procedures to ensure system and security requirements are met. Develops, maintains, and upgrades manual and, where applicable, automated test scripts. Develops and reviews reports for test results and overall test status. Participates in risk management activities with emphasis on analysis of user requirements for testability, test design, test tools, and test environments. May provide expertise, guidance, and support using tools and techniques to conduct cyber vulnerability and penetration testing and supporting related exercise and test events. May provide assistance with Government acceptance testing. May support selection of tools and the development and configuration of test environments, test tools, and test databases. Follows approved Standard Operating Procedures (SOPs) and contributes to development, maintenance,

and continuous improvement SOPs for cybersecurity testing. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 3 years' experience.

Commercial Job Title: Cybersecurity Test Specialist III

Functional Responsibility: Evaluates, recommends, and implements overall test tools and strategies for projects involving cybersecurity services and solutions. Develops and executes test and evaluation procedures to ensure system and security requirements are met. Develops, maintains, and upgrades manual and, where applicable, automated test scripts. Leads and oversees development of reports for test results and overall test status. Participates in risk management activities with emphasis on analysis of user requirements for testability, test design, test tools, and test environments. Provides expert-level guidance and support using tools and techniques to conduct cyber vulnerability and penetration testing and supporting related exercise and test events. May provide assistance with Government acceptance testing. Provides guidance and recommendations for selection of tools and the development and configuration of test environments, test tools, and test databases. Leads development, maintenance, and continuous improvement of Standard Operating Procedures (SOPs) for cybersecurity testing. May supervise and/or provide technical direction to one or more subordinates or manage a team.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 5 years' experience.

Commercial Job Title: Cybersecurity Training Specialist

Functional Responsibility: Responsible for preparing cybersecurity and associated IT related Training Plans and curricula; scheduling of resources; conducting classroom and distance training; preparing, updating and distributing User Manuals; updating training material as system changes are implemented, for developing remedial training as necessary and for developing special training as the need arises. Responsible for identifying and effectively communicating the knowledge and skills required to successfully complete tasks. May be responsible for conducting and tracking annual cybersecurity awareness training within an organization.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 2 years' experience.

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Commercial Job Title: Health Data/Database Specialist I

Functional Responsibility: Assists in analysis and quality review of data and the design, maintenance, and/or administration of databases integrated with Health IT systems or supporting health-related missions. Applies knowledge and experience with database technologies, development methodologies, and front-end (e.g., COGNOS)/back-end programming languages (e.g., SQL), as required. May provide health informatics expertise working with healthcare functional representatives to design, develop, and assess ways to collect, share, standardize, and integrate health data within complex Health IT system. May develop and maintain data models and data dictionaries. May perform database programming and support systems design. Develops processes and scripts to support extraction, transformation, loading, and analysis of data. Complies with database standards and procedures and provides guidance for Health Insurance Portability and Accountability Act (HIPAA) and Privacy Act compliance. May support database backup and recovery tasks. Assists and provides guidance to users on accessing various databases. May support quality control and auditing of databases to ensure accuracy and appropriate use of data. Generally, works under supervision of a team lead or manager.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience and 2 years' experience.

Commercial Job Title: Health Data/Database Specialist II

Functional Responsibility: Assists in analysis and quality review of data and the design, maintenance, and/or administration of databases integrated with Health IT systems or supporting health-related missions. Applies knowledge and experience with database technologies, development methodologies, and front-end (e.g., COGNOS)/back-end programming languages (e.g., SQL), as required. May provide health informatics expertise working with healthcare functional representatives to design, develop, and assess ways to collect, share, standardize and integrate health data within complex Health IT system. May develop and maintain data models and data dictionaries. May perform database programming and support systems design. Develops processes and scripts to support extraction, transformation, loading, and analysis of data. Complies with database standards and procedures and provides guidance for Health Insurance Portability and Accountability Act (HIPAA) and Privacy Act compliance. Assists and provides guidance to users on accessing various databases. Supports quality control and auditing of databases to ensure accuracy and appropriate use of data. May design, implement, and maintains complex databases, with support for database environment and scripts, access methods, access time, device allocation, validation checks, organization, protection and security, documentation, and statistical methods. Supports planning and projection for long-range requirements for database administration and design in conjunction with other managers in the information systems function. May devise and implement overall strategies for data backup and recovery, data replication, and disaster recovery. Provides expertise for file design and storage, and integration of systems through database design. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience and 4 years' experience.

Commercial Job Title: Health Data/Database Specialist III

Functional Responsibility: Provides senior-level support and leadership for analysis and quality review of data and the design, maintenance, and/or administration of databases integrated with Health IT systems or supporting health-related missions. Applies knowledge and experience with database technologies, development methodologies, and front-end (e.g., COGNOS)/back-end programming languages (e.g., SQL), as required. May provide health informatics expertise working with healthcare functional representatives to design, develop, and assess ways to collect, share, standardize and integrate health data within complex Health IT system. May develop and maintain data models and data dictionaries. May perform database programming and support systems design. Develops processes and

scripts to support extraction, transformation, loading, and analysis of data. Complies with database standards and procedures and provides guidance for Health Insurance Portability and Accountability Act (HIPAA) and Privacy Act compliance. Assists and provides guidance to users on accessing various databases. Supports quality control and auditing of databases to ensure accuracy and appropriate use of data. Designs, implements, and maintains complex databases, with support for database environment and scripts, access methods, access time, device allocation, validation checks, organization, protection and security, documentation, and statistical methods. Supports planning and projection for long-range requirements for database administration and design in conjunction with other managers in the information systems function. May devise and implement overall strategies for data backup and recovery, data replication, and disaster recovery. Provides expertise for file design and storage, and integration of systems through database design. May supervise and/or provide technical direction to one or more subordinates or manage a team.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience and 6 years' experience.

Commercial Job Title: Health IT Architect I

Functional Responsibility: Applies knowledge and expertise designing, deploying, and supporting complex Health IT systems or systems supporting health-related missions to provide oversight and management of system administrators, system engineers, developers, or other technical staff. Designs IT solutions involving Health IT and/or IT support for Healthcare services delivery, Electronic Health Record (EHR), Healthcare claims or payment processing, and other Health-related mission areas. Develops and maintains project documentation. Coordinates project related procurements, develops project schedules, and manages project and contract resources. Responsible for project deliverables. Provides third level support for network related issues. Must have excellent written and oral communications skills, and be able to present technical concepts to non-technical audiences. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience and 4 years' experience.

Commercial Job Title: Health IT Architect II

Functional Responsibility: Applies knowledge and expertise designing, deploying, and supporting complex Health IT systems or systems supporting health-related missions to provide oversight and management of system administrators, system engineers, developers, or other technical staff. Designs IT solutions involving Health IT and/or IT support for Healthcare services delivery, Electronic Health Record (EHR), Healthcare claims or payment processing, and other Health-related mission areas. Develops and maintains project documentation. Coordinates project related procurements, develops project schedules, and manages project and contract resources. Responsible for project deliverables. Provides third level support for network related issues. Must have excellent written and oral communications skills, and be able to present technical concepts to non-technical audiences. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience and 6 years' experience.

Commercial Job Title: Health IT Architect III

Functional Responsibility: Applies knowledge and expertise designing, deploying, and supporting complex Health IT systems or systems supporting health-related missions to provide oversight and management of system administrators, system engineers, developers, or other technical staff. Designs IT solutions involving Health IT and/or IT support for Healthcare services delivery, Electronic Health Record (EHR), Healthcare claims or payment processing, and other Health-related mission areas. Develops and maintains project documentation. Coordinates project related procurements, develops project schedules, and manages project and contract resources. Responsible for project deliverables.

Provides third level support for network related issues. Must have excellent written and oral communications skills, and be able to present technical concepts to non-technical audiences. May supervise and/or provide technical direction to one or more subordinates or manage a team.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience and 8 years' experience.

Commercial Job Title: Health IT Business Analyst I

Functional Responsibility: Performs analysis and research for projects involving Health IT and/or IT support for Healthcare services delivery, Electronic Health Record (EHR), Healthcare claims or payment processing, and other Health-related mission areas. May provide clinical, public health, or related health-domain specific expertise. Contributes to deliverables and performance metrics where applicable. Analyzes stakeholder requirements as well as applicable industry, agency, and Federal guidelines and requirements. Develops documentation and work products which may include systems scope statements, business process models, business process descriptions, workflow diagrams, functional and non-functional requirements, program performance documentation, end user documentation, testing documentation, training documentation, and/or other internal work products and deliverable documentation. May analyze and document business and clinical workflows and clinical content requirements. May support governance bodies (e.g., Change Management and Configuration Control Boards) in analyzing and formulating proposed changes, analyzing the impact of proposed changes, and providing overall support for the governance process. Generally, works under supervision of a team lead or manager.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience and 1 year experience.

Commercial Job Title: Health IT Business Analyst II

Functional Responsibility: Performs analysis and research for projects involving Health IT and/or IT support for Healthcare services delivery, Electronic Health Record (EHR), Healthcare claims or payment processing, and other Health-related mission areas. May provide clinical, public health, or related health-domain specific expertise. Contributes to deliverables and performance metrics where applicable. Analyzes stakeholder requirements as well as applicable industry, agency, and Federal guidelines and requirements. Develops documentation and work products which may include systems scope statements, business process models, business process descriptions, workflow diagrams, functional and non-functional requirements, program performance documentation, end user documentation, testing documentation, training documentation, and/or other internal work products and deliverable documentation. May analyze and document business and clinical workflows and clinical content requirements. May support governance bodies (e.g., Change Management and Configuration Control Boards) in analyzing and formulating proposed changes, analyzing the impact of proposed changes, and providing overall support and advisory services for the governance process. Provides consultation on complex IT projects, helping translate functional/business needs into IT requirements while considering the business implications of the application of technology to the current and future IT environments. Provides liaison support between IT and the functional stakeholders. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience and 3 years' experience.

Commercial Job Title: Health IT Business Analyst III

Functional Responsibility: Performs analysis and research for projects involving Health IT and/or IT support for Healthcare services delivery, Electronic Health Record (EHR), Healthcare claims or payment processing, and other Health-related mission areas. May provide clinical, public health, or related health-domain specific expertise. Contributes to deliverables and performance metrics where applicable. Analyzes stakeholder requirements as well as applicable industry, agency, and Federal

guidelines and requirements. Develops documentation and work products which may include systems scope statements, business process models, business process descriptions, workflow diagrams, functional and non-functional requirements, program performance documentation, end user documentation, testing documentation, training documentation, and/or other internal work products and deliverable documentation. May analyze and document business and clinical workflows and clinical content requirements. May support governance bodies (e.g., Change Management and Configuration Control Boards) in analyzing and formulating proposed changes, analyzing the impact of proposed changes, and providing overall support and advisory services for the governance process. Provides consultation on complex IT projects, helping translate functional/business needs into IT requirements while considering the business implications of the application of technology to the current and future IT environments. Provides liaison support between IT and the functional stakeholders. May supervise and/or provide technical direction to one or more subordinates or manage a team.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience and 5 years' experience.

Commercial Job Title: Health IT Cybersecurity Specialist I

Functional Responsibility: Provides support for implementation of enterprise and system security requirements for systems involving Health IT and/or IT support for Healthcare services delivery, Electronic Health Record (EHR), Healthcare claims or payment processing, and other Health-related mission areas. Supports analysis of user, policy, and regulatory requirements and resource demands. Supports coordination with customer organization to establish and define programs, resources, and risks. Provides monitoring, auditing, scanning, and other technical analysis and reporting as needed for compliance with security requirements. Generally, works under supervision of a team lead or manager.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience and 1 year experience.

Commercial Job Title: Health IT Cybersecurity Specialist II

Functional Responsibility: Implements enterprise and system security requirements for systems involving Health IT and/or IT support for Healthcare services delivery, Electronic Health Record (EHR), Healthcare claims or payment processing, and other Health-related mission areas. Analyzes user, policy, and regulatory requirements and resource demands and coordinates with customer organization to establish and define programs, resources, and risks. Provides strategy for and performs monitoring, auditing, scanning, and other technical analysis and reporting as needed for compliance with security requirements. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience and 3 years' experience.

Commercial Job Title: Health IT Cybersecurity Specialist III

Functional Responsibility: Provides strategy and support for implementation of enterprise and system security requirements for systems involving Health IT and/or IT support for Healthcare services delivery, Electronic Health Record (EHR), Healthcare claims or payment processing, and other Health-related mission areas. Analyzes user, policy, and regulatory requirements and resource demands and coordinates with customer organization to establish and define programs, resources, and risks. Provides strategy for and performs monitoring, auditing, scanning, and other technical analysis and reporting as needed for compliance with security requirements. May supervise and/or provide technical direction to one or more subordinates or manage a team.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience and 5 years' experience.

Commercial Job Title: Health IT Documentation Specialist

Functional Responsibility: Gathers, analyzes, and composes technical information. Conducts research and ensures the use of proper technical terminology for projects involving Health IT and/or IT support for Healthcare services delivery, Electronic Health Record (EHR), Healthcare claims or payment processing, and other Health-related mission areas. Translates technical information into clear, readable documents to be used by technical and non-technical personnel.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience and 1 year experience.

Commercial Job Title: Health IT Help Desk Specialist I

Functional Responsibility: Provides first and second-tier support to end users for either PC, server, or mainframe applications and hardware for programs involving Health IT and/or IT support for Healthcare services delivery, Electronic Health Record (EHR), Healthcare claims or payment processing, and other Health-related mission areas. Fulfills customer service requests as required. Responds to and diagnoses problems through discussions with users. Includes problem recognition, research, isolation, and resolution steps. May involve use of problem management database and help desk systems. May interact with Health IT network services, software systems engineering, and/or applications development to restore service and/or identify and correct core problem. Escalates more complex problems. Assists in the evaluation of business problems, evaluates and recommends vendor packages, and implements required software. May assist in the evaluation of personnel end-user computing packages and equipment as well as in the implementation and testing of prototypes. Consults with client area management and staff regarding PC and LAN systems and equipment problems or malfunctions and recommends solutions. Generally, works under supervision of a team lead or manager.

General Experience/Education: Requires a High School degree and 1 year experience.

Commercial Job Title: Health IT Help Desk Specialist II

Functional Responsibility: Provides first and second-tier support to end users for either PC, server, or mainframe applications and hardware for programs involving Health IT and/or IT support for Healthcare services delivery, Electronic Health Record (EHR), Healthcare claims or payment processing, and other Health-related mission areas. Fulfills customer service requests as required. Responds to and diagnoses problems through discussions with users. Includes problem recognition, research, isolation, and resolution steps. May involve use of problem management database and help desk systems. May interact with Health IT network services, software systems engineering, and/or applications development to restore service and/or identify and correct core problem. Escalates more complex problems. Assists in the evaluation of business problems, evaluates and recommends vendor packages, and implements required software. May assist in the evaluation of personnel end-user computing packages and equipment as well as in the implementation and testing of prototypes. Consults with client area management and staff regarding PC and LAN systems and equipment problems or malfunctions and recommends solutions. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience and 2 years' experience.

Commercial Job Title: Health IT Help Desk Specialist III

Functional Responsibility: Provides first and second-tier support to end users for either PC, server, or mainframe applications and hardware for programs involving Health IT and/or IT support for Healthcare services delivery, Electronic Health Record (EHR), Healthcare claims or payment processing, and other Health-related mission areas. Fulfills customer service requests as required. Responds to and diagnoses problems through discussions with users. Includes problem recognition, research, isolation, and resolution steps. May involve use of problem management database and help desk systems. May interact with Health IT network services, software systems engineering, and/or applications

development to restore service and/or identify and correct core problem. Escalates more complex problems. Assists in the evaluation of business problems, evaluates and recommends vendor packages, and implements required software. May assist in the evaluation of personnel end-user computing packages and equipment as well as in the implementation and testing of prototypes. Consults with client area management and staff regarding PC and LAN systems and equipment problems or malfunctions and recommends solutions. May supervise and/or provide technical direction to one or more subordinates or manage a team.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience and 3 years' experience.

Commercial Job Title: Health IT Network Specialist I

Functional Responsibility: Provides support related to the design, development, and implementation of a network supporting complex Health IT systems or systems supporting health-related missions. Develops test strategies, devices, and systems. Assists with stress and performance tests on a variety of computer networks. May support development of architectural products and deliverables for the network supporting Health IT systems. Generally, works under supervision of a team lead or manager.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience and 1 year experience.

Commercial Job Title: Health IT Network Specialist II

Functional Responsibility: Provides analysis and support related to the design, development, and implementation of a network supporting complex Health IT systems or systems supporting health-related missions. Develops test strategies, devices, and systems. Advises and assists with stress and performance tests on a variety of computer networks. May develops network-related architectural products and deliverables for the enterprise and operational business lines. May support development of strategy and design of network infrastructure necessary to support overall Health IT system strategy and design. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience and 3 years' experience.

Commercial Job Title: Health IT Network Specialist III

Functional Responsibility: Provides strategy, analysis, and support related to the design, development, and implementation of a network supporting complex Health IT systems or systems supporting health-related missions. Develops test strategies, devices, and systems. Advises and assists with stress and performance tests on a variety of computer networks. May develops network-related architectural products and deliverables for the enterprise and operational business lines. May support development of strategy and design of network infrastructure necessary to support overall Health IT system strategy and design. May supervise and/or provide technical direction to one or more subordinates or manage a team.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience and 5 years' experience.

Commercial Job Title: Health IT Program Manager

Functional Responsibility: Plans, organizes, and controls the overall activities of the contract and Task Orders involving Health IT and/or IT support for Healthcare services delivery, Electronic Health Record (EHR), Healthcare claims or payment processing, and other Health-related mission areas. Responsible for formulating and enforcing work standards, assigning contractor schedules, reviewing work discrepancies, supervising contract personnel, and communicating policies, purposes, and goals of an organization to subordinates. May provide clinical, public health, or related health-domain specific expertise. The Program Manager serves as primary client interface; confers with management on strategic issues; maximizes efficiency in achieving contract and Task Order cost, schedule, and technical

quality parameters; performs and meets contract administrative requirements; and identifies and ensures the effectiveness of any corrective action resolution. In addition to management skills, the Program Manager directs and provides expertise for all phases of program/projects from inception through completion across all Functional Areas. May also be responsible for serving as Task Order Project Manager for one or more Task Orders.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience and 10 years' experience.

Commercial Job Title: Health IT Project Control Specialist

Functional Responsibility: Directs budgeting, manpower and resource planning, and financial reporting in support of IT projects involving Health IT and/or IT support for Healthcare services delivery, Electronic Health Record (EHR), Healthcare claims or payment processing, and other Health-related mission areas. Performs complex evaluations of existing procedures, processes, techniques, models, and/or systems related to management problems or contractual issues. Develops work breakdown structures, prepares charts, tables, graphs, and diagrams to assist in analyzing problems. May support cost estimation and tracking of licenses for products and managed services supporting Health IT mission areas.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience and 4 years' experience.

Commercial Job Title: Health IT Project Manager

Functional Responsibility: Serves as project manager for a large, complex IT related Task Order or contract involving Health IT and/or IT support for Healthcare services delivery, Electronic Health Record (EHR), Healthcare claims or payment processing, and other Health-related mission areas. Assists Program Manager in working with Government Contracting Officer, contract or task-level Contracting Officer's Representative, Government management personnel, and customer agency representatives. Responsible for developing the Project Management Work Plan and other contract documents. May provide clinical, public health, or related health-domain specific expertise. Directs the day-to-day efforts of the contractor technical personnel. Ensures the quality of deliverable documents, software, engineering plans, or installations. Monitors activities under the contract to ensure that all activities are properly executed in accordance with Task Order requirements and the COTR's direction. Performs enterprise wide horizontal integration planning and interfaces to other functional systems.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience and 5 years' experience.

Commercial Job Title: Health IT QA Analyst I

Functional Responsibility: Provides process guidance for tasks on programs and projects supporting Health IT, health data, and IT support for Healthcare services delivery, Electronic Health Record (EHR), Healthcare claims or payment processing, and other Health-related mission areas. Provides quality review of program documentation, deliverables, and work products for accuracy, adherence to the program and organizational standards, and compliance with other applicable Government standards/requirements. May provide clinical, public health, or related health-domain specific expertise. Coordinates with QA team leads, the Project Manager, and/or Quality Assurance Manager to resolve quality-related issues. Follows approved processes and procedures to verify that services and work products meet required standards and approved end-user requirements. May create test data for applications. May recommend improvements to current procedures to support continuous improvement. Generally, works under supervision of a team lead or manager.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience and 1 year experience.

Commercial Job Title: Health IT QA Analyst II

Functional Responsibility: Provides process guidance for tasks on programs and projects supporting Health IT, health data, and IT support for Healthcare services delivery, Electronic Health Record (EHR), Healthcare claims or payment processing, and other Health-related mission areas. Provides quality review of program documentation, deliverables, and work products for accuracy, adherence to the program and organizational standards, and compliance with other applicable Government standards/requirements. May provide clinical, public health, or related health-domain specific expertise. Coordinates with QA team leads, the Project Manager, and/or Quality Assurance Manager to resolve quality-related issues. Follows approved processes and procedures to verify that services and work products meet required standards and approved end-user requirements. May create test data for applications. Devises new procedures or improvements to current procedures to support continuous improvement. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience and 3 years' experience.

Commercial Job Title: Health IT QA Analyst III

Functional Responsibility: Provides process guidance for tasks on programs and projects supporting Health IT, health data, and IT support for Healthcare services delivery, Electronic Health Record (EHR), Healthcare claims or payment processing, and other Health-related mission areas. Provides quality review of program documentation, deliverables, and work products for accuracy, adherence to the program and organizational standards, and compliance with other applicable Government standards/requirements. May provide clinical, public health, or related health-domain specific expertise. Coordinates with QA team leads, the Project Manager, and/or Quality Assurance Manager to resolve quality-related issues. Follows approved processes and procedures to verify that services and work products meet required standards and approved end-user requirements. May create test data for applications. Devises new procedures or improvements to current procedures to support continuous improvement. May supervise and/or provide technical direction to one or more subordinates or manage a team.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience and 5 years' experience.

Commercial Job Title: Health IT Software Developer I

Functional Responsibility: Works from specifications to assist in developing and modifying Health IT software applications or other business applications supporting health-related missions. Assists with design, coding, benchmark testing, debugging, and documentation. May configure and/or customize Health IT and other Commercial-Off-The-Shelf (COTS) applications and assist in maintaining program libraries and technical manuals. Generally, works under supervision of a team lead or manager.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience and 1 year experience.

Commercial Job Title: Health IT Software Developer II

Functional Responsibility: Works from specifications to assist in developing and modifying Health IT software applications or other business applications supporting health-related missions. Assists with design, coding, benchmark testing, debugging, and documentation. May configure and/or customize Health IT and other Commercial-Off-The-Shelf (COTS) applications and assist in maintaining program libraries and technical manuals. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience and 3 years' experience.

Commercial Job Title: Health IT Software Developer III

Functional Responsibility: Works from specifications to assist in developing and modifying Health IT software applications or other business applications supporting health-related missions. Assists with design, coding, benchmark testing, debugging, and documentation. May configure and/or customize Health IT and other Commercial-Off-The-Shelf (COTS) applications and assist in maintaining program libraries and technical manuals. May supervise and/or provide technical direction to one or more subordinates or manage a team.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience and 5 years' experience.

Commercial Job Title: Health IT Software Engineer I

Functional Responsibility: Participates in the design of software tools and subsystems for projects involving Health IT and/or IT support for Healthcare services delivery, Electronic Health Record (EHR), Healthcare claims or payment processing, and other Health-related mission areas. Analyzes clinical and other functional business applications and design specifications for functional activities. Assists in interpreting software requirements and design specifications to code and integrates and tests software components. Prepares required documentation. May provide configuration management support, software development environment tool support, and/or automation of software engineering tasks using DevSecOps tools and processes. Generally, works under supervision of a team lead or manager.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience and 1 year experience.

Commercial Job Title: Health IT Software Engineer II

Functional Responsibility: Participates in the design of software tools and subsystems for projects involving Health IT and/or IT support for Healthcare services delivery, Electronic Health Record (EHR), Healthcare claims or payment processing, and other Health-related mission areas. Analyzes clinical and other functional business applications and design specifications for functional activities. Assists in interpreting software requirements and design specifications to code and integrates and tests software components. Prepares required documentation. May provide configuration management support, software development environment tool support, and/or automation of software engineering tasks using DevSecOps tools and processes. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience and 3 years' experience.

Commercial Job Title: Health IT Software Engineer III

Functional Responsibility: Participates in the design of software tools and subsystems for projects involving Health IT and/or IT support for Healthcare services delivery, Electronic Health Record (EHR), Healthcare claims or payment processing, and other Health-related mission areas. Analyzes clinical and other functional business applications and design specifications for functional activities. Assists in interpreting software requirements and design specifications to code and integrates and tests software components. Prepares required documentation. May provide configuration management support, software development environment tool support, and/or automation of software engineering tasks using DevSecOps tools and processes. May supervise and/or provide technical direction to one or more subordinates or manage a team.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience and 5 years' experience.

Commercial Job Title: Health IT Subject Matter Expert I

Functional Responsibility: Serves as subject matter expert, possessing knowledge of a particular area, such as business, computer science, engineering, mathematics, or the various sciences, in support of

programs involving Health IT and/or IT support for Healthcare services delivery, Electronic Health Record (EHR), Healthcare claims or payment processing, and other Health-related mission areas. May provide specialized clinical, public health, or related health-domain specific expertise. Provides technical knowledge and support of highly specialized applications and operational environments, functional systems analysis, design, integration, documentation, and implementation advice on exceptionally complex problems that need extensive knowledge of the subject matter for effective implementation of complex Health IT and deploying or supporting Health IT systems. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience and 4 years' experience.

Commercial Job Title: Health IT Subject Matter Expert II

Functional Responsibility: Serves as subject matter expert, possessing knowledge of a particular area, such as business, computer science, engineering, mathematics, or the various sciences, in support of programs involving Health IT and/or IT support for Healthcare services delivery, Electronic Health Record (EHR), Healthcare claims or payment processing, and other Health-related mission areas. May provide specialized clinical, public health, or related health-domain specific expertise. Provides technical knowledge and support of highly specialized applications and operational environments, functional systems analysis, design, integration, documentation, and implementation advice on exceptionally complex problems that need extensive knowledge of the subject matter for effective implementation of complex Health IT and deploying or supporting Health IT systems. Applies principles, methods, and knowledge of the technical and or functional area of capability to specific task order requirements, advanced mathematical principles, and methods to exceptionally difficult and narrowly defined technical problems in engineering and other scientific applications to arrive at automated solutions. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience and 6 years' experience.

Commercial Job Title: Health IT Subject Matter Expert III

Functional Responsibility: Serves as subject matter expert, possessing knowledge of a particular area, such as business, computer science, engineering, mathematics, or the various sciences, in support of programs involving Health IT and/or IT support for Healthcare services delivery, Electronic Health Record (EHR), Healthcare claims or payment processing, and other Health-related mission areas. May provide clinical, public health, or related health-domain specific expertise. Provides technical knowledge and support of highly specialized applications and operational environments, functional systems analysis, design, integration, documentation, and implementation advice on exceptionally complex problems that need extensive knowledge of the subject matter for effective implementation of complex Health IT and deploying or supporting Health IT systems. Applies principles, methods, and knowledge of the technical and or functional area of capability to specific task order requirements, advanced mathematical principles, and methods to exceptionally difficult and narrowly defined technical problems in engineering and other scientific applications to arrive at automated solutions. May supervise and/or provide technical direction to one or more subordinates or manage a team.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience and 8 years' experience.

Commercial Job Title: Health IT System Administrator I

Functional Responsibility: Provides system administration support for wide variety of Health IT and business systems supporting health-related missions and networks and infrastructure, including high volume/high availability systems. Maintains overall system efficiency and operation by conducting routine system administration tasks, including monitoring and performing preventative maintenance on supported systems and logging system support in system admin logs. Responsible for installation of

Health IT system software as well as applying required patches and upgrades. Applies knowledge and expertise in debugging protocols and processes to troubleshoot problems and issues identified by customers and implement corrective actions quickly. May provide user account administration support. Generally, works under supervision of a team lead or manager.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience and 1 year experience.

Commercial Job Title: Health IT System Administrator II

Functional Responsibility: Provides system administration support for wide variety of Health IT and business systems supporting health-related missions and networks and infrastructure, including high volume/high availability systems. Maintains overall system efficiency and operation by conducting routine system administration tasks, including monitoring and performing preventative maintenance on supported systems and logging system support in system admin logs. Responsible for installation of Health IT system software as well as applying required patches and upgrades. Applies knowledge and expertise in debugging protocols and processes to troubleshoot problems and issues identified by customers and implement corrective actions quickly. May provide user account administration support. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience and 3 years' experience.

Commercial Job Title: Health IT System Administrator III

Functional Responsibility: Provides system administration support for wide variety of Health IT and business systems supporting health-related missions and networks and infrastructure, including high volume/high availability systems. Maintains overall system efficiency and operation by conducting routine system administration tasks, including monitoring and performing preventative maintenance on supported systems and logging system support in system admin logs. Responsible for installation of Health IT system software as well as applying required patches and upgrades. Applies knowledge and expertise in debugging protocols and processes to troubleshoot problems and issues identified by customers and implement corrective actions quickly. May provide user account administration support. May supervise and/or provide technical direction to one or more subordinates or manage a team.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience and 5 years' experience.

Commercial Job Title: Health IT Systems Engineer I

Functional Responsibility: Provides support related to the design, development, and integration of hardware, software, man-machine interfaces and all system level requirements to provide complex, integrated Health IT solutions and business systems supporting health-related missions. Assists with integrated Health IT system test requirement, strategies, devices and systems. Generally, works under supervision of a team lead or manager.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience and 1 year experience.

Commercial Job Title: Health IT Systems Engineer II

Functional Responsibility: Provides analysis and engineering related to the design, development, and integration of hardware, software, man-machine interfaces and all system level requirements to provide complex, integrated Health IT solutions and business systems supporting health-related missions. Develops integrated Health IT system test requirement, strategies, devices and systems. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience and 3 years' experience.

Commercial Job Title: Health IT Systems Engineer III

Functional Responsibility: Provides senior level analysis and engineering related to the design, development, and integration of hardware, software, man-machine interfaces and all system level requirements to provide complex, integrated Health IT solutions and business systems supporting health-related missions. Develops integrated Health IT system test requirement, strategies, devices and systems. Directs overall system level testing. May supervise and/or provide technical direction to one or more subordinates or manage a team.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience and 5 years' experience.

Commercial Job Title: Health IT Technical Writer/Editor I

Functional Responsibility: Writes a variety of technical articles, reports, brochures, and/or manuals for documentation for programs and projects involving Health IT and/or IT support for Healthcare services delivery, Electronic Health Record (EHR), Healthcare claims or payment processing, and other Health-related mission areas. Coordinates the display of graphics and the production of documents. Conforms with applicable documentation standards and style guides. May assist in production of technical and scientific illustrations for presentations, documents, and/or publications, as required. Generally, works under supervision of a team lead or manager.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience and 2 years' experience.

Commercial Job Title: Health IT Technical Writer/Editor II

Functional Responsibility: Writes a variety of technical articles, reports, brochures, and/or manuals for documentation for programs and projects involving Health IT and/or IT support for Healthcare services delivery, Electronic Health Record (EHR), Healthcare claims or payment processing, and other Health-related mission areas. Coordinates the display of graphics and the production of documents. Provides high-quality content that conforms with standards and applicable style guides. Reviews content of technical documentation for quality and conformance with standards and applicable style guides. May produce technical and scientific illustrations for presentations, documents, and/or publications, as required. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience and 4 years' experience.

Commercial Job Title: Health IT Technical Writer/Editor III

Functional Responsibility: Writes a variety of technical articles, reports, brochures, and/or manuals for documentation for programs and projects involving Health IT and/or IT support for Healthcare services delivery, Electronic Health Record (EHR), Healthcare claims or payment processing, and other Health-related mission areas. Coordinates the display of graphics and the production of documents. Provides high-quality content that conforms with standards and applicable style guides. Reviews content of technical documentation for quality and conformance with standards and applicable style guides. May produce technical and scientific illustrations for presentations, documents, and/or publications, as required. May supervise and/or provide technical direction to one or more subordinates or manage a team.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 6 years' experience.

Commercial Job Title: Health IT Test Specialist I

Functional Responsibility: Assists with overall test tools and strategies for projects involving Health IT and/or IT support for Healthcare services delivery, Electronic Health Record (EHR), Healthcare claims or payment processing, and other Health-related mission areas. Executes test and evaluation procedures to ensure system requirements are met. Develops, maintains, and upgrades manual and, where

applicable, automated test scripts. Develops reports for test results and overall test status. Participates in risk management activities with emphasis on analysis of user requirements for testability, test design, test tools, and test environments. May provide assistance with Government acceptance testing. May support development and configuration of test environments, test tools, and test databases. Generally, works under supervision of a team lead or manager.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 1 year experience.

Commercial Job Title: Health IT Test Specialist II

Functional Responsibility: Evaluates, recommends, and implements overall test tools and strategies for projects involving Health IT and/or IT support for Healthcare services delivery, Electronic Health Record (EHR), Healthcare claims or payment processing, and other Health-related mission areas. Develops and executes test and evaluation procedures to ensure system requirements are met. Develops, maintains, and upgrades manual and, where applicable, automated test scripts. Develops and reviews reports for test results and overall test status. Participates in risk management activities with emphasis on analysis of user requirements for testability, test design, test tools, and test environments. May provide assistance with Government acceptance testing. May support selection of tools and the development and configuration of test environments, test tools, and test databases. May supervise and/or provide technical direction to one or more subordinates.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 3 years' experience.

Commercial Job Title: Health IT Test Specialist III

Functional Responsibility: Evaluates, recommends, and implements overall test tools and strategies for projects involving Health IT and/or IT support for Healthcare services delivery, Electronic Health Record (EHR), Healthcare claims or payment processing, and other Health-related mission areas. Develops and executes test and evaluation procedures to ensure system requirements are met. Develops, maintains, and upgrades manual, and where applicable, automated test scripts. Develops and reviews reports for test results and overall test status. Participates in risk management activities with emphasis on analysis of user requirements for testability, test design, test tools, and test environments. May provide assistance with Government acceptance testing. May support selection of tools and the development and configuration of test environments, test tools, and test databases. May supervise and/or provide technical direction to one or more subordinates or manage a team.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 5 years' experience.

Commercial Job Title: Health IT Training Specialist

Functional Responsibility: Supports training requirements for programs and projects involving Health IT and/or IT support for Healthcare services delivery, Electronic Health Record (EHR), Healthcare claims or payment processing, and other Health-related mission areas. Responsible for preparing Training Plans and curricula; scheduling of resources; conducting classroom and distance training; preparing, updating and distributing User Manuals; updating training material as system changes are implemented, for developing remedial training as necessary and for developing special training as the need arises. Responsible for identifying and effectively communicating the knowledge and skills required to successfully complete tasks.

General Experience/Education: Requires a Bachelors degree or 4 years' equivalent experience and 2 years' experience.

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Commercial Job Title: Administrative Specialist

Functional Responsibility: Performs high level of administrative support work under general supervision for information technology related projects and personnel. Types and proofreads. Maintains filing system. Answers telephones and routine requests, schedules meetings, performs mail distribution, and makes travel arrangements.

General Experience/Education: Requires a high school diploma and 1 year of experience in an information technology environment. Must possess word processing and general office skills.

Commercial Job Title: Business Analyst

Functional Responsibility: Prepares financial and business related analysis and research in such areas as financial and expense performance, rate of return, depreciation, working capital, and investments for information technology related projects and programs. Assists in the development of business policies, and conducts special financial and business related studies.

General Experience/Education:

- Business Analyst Level I: Requires a Bachelors degree or 4 years equivalent experience and 2 years' experience in a related field.
- Business Analyst Level II: Requires a Bachelors degree or 4 years equivalent experience and 3 years' experience in a related field.
- Business Analyst Level III: Requires a Bachelors degree or 4 years equivalent experience with 5 years' experience in a related field.

Commercial Job Title: Business Process Consultant

Functional Responsibility: Provide information technology related consulting to agency heads, directors, and senior managers on quality improvement, ISO 9000 certification, CMMI, business process reengineering, and strategic implementation of information technology techniques. Designs, organizes, leads, and conducts executive level workshops, benchmarking, and surveys.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience with 3 years' experience in a related field.

Commercial Job Title: CAD Specialist

Functional Responsibility: Develops designs or may be required to draft designs from the specifications of other designers. Works with information technology engineers to develop the specifications for various systems or structures.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience and 3 years' experience in a related field.

Commercial Job Title: Cyber Security Analyst

Functional Responsibility: Establishes and satisfies system-wide information security requirements based upon the analysis of user, policy, regulatory, and resource demands. Coordinates with customer organization to establish and define programs, resources, and risks.

General Experience/Education:

- Cyber Security Analyst Level I: Requires a Bachelors degree or 4 years equivalent experience and 2 years' experience in a related field.
- Cyber Security Analyst Level II: Requires a Bachelors degree or 4 years equivalent experience and 5 years' experience in a related field.

- Cyber Security Analyst Level III: Requires a Bachelors degree or 4 years equivalent experience and 10 years' experience in a related field.

Commercial Job Title: Database Administrator

Functional Responsibility: Designs, implements, and maintains moderately complex databases. Includes maintenance of database dictionaries and integration of systems through database design. Competent to work on most phases of database administration.

General Experience/Education:

- Database Administrator Level 1: Requires a Bachelors degree or 4 years equivalent experience and 3 years' experience in a related field.
- Database Administrator Level II: Requires a Bachelors degree or 4 years equivalent experience and 5 years' experience in a related field.
- Database Administrator Level II: Requires a Bachelors degree or 4 years equivalent experience and 8 years' experience in a related field.

Commercial Job Title: Database Specialist I

Functional Responsibility: Provides support activities related to the administration of computerized databases. Assists in the designs and maintains databases in a client/server environment. Conducts quality control and auditing of databases in a client/server environment to ensure accurate and appropriate use of data. Advises users on access to various client/server databases. Designs, implements, and maintains complex databases with respect to JCL, access methods, access time, device allocation, validation checks, organization, protection and security, documentation, and statistical methods. Applies entry level knowledge and experience with database technologies, development methodologies, and front-end (e.g., COGNOS)/back-end programming languages (e.g., SQL). Performs database programming and supports systems design.

General Experience/Education: Requires a Bachelors degree or applicable training certificates or 4 years equivalent experience and 4 years' experience in an information technology environment.

Commercial Job Title: Database Specialist II

Functional Responsibility: Provides all activities related to the administration of computerized databases. Projects long-range requirements for database administration and design in conjunction with other managers in the information systems function. Designs, creates, and maintains databases in a client/server environment. Conducts quality control and auditing of databases in a client/server environment to ensure accurate and appropriate use of data. Advises users on access to various client/server databases. Designs, implements, and maintains complex databases with respect to JCL, access methods, access time, device allocation, validation checks, organization, protection and security, documentation, and statistical methods. Applies knowledge and experience with database technologies, development methodologies, and front-end (e.g., COGNOS)/back-end programming languages (e.g., SQL). Performs database programming and supports systems design. Includes maintenance of database dictionaries, overall monitoring of standards and procedures, file design and storage, and integration of systems through database design.

General Experience/Education: Requires a Bachelors degree or applicable training certificates or 4 years equivalent experience and 5 to 7 years' experience in an information technology environment.

Commercial Job Title: Database Specialist III

Functional Responsibility: Provides high-level activities related to the administration of computerized databases. Projects long-range requirements for database administration and design in conjunction with other managers in the information systems function. Designs, creates, and maintains databases in a

client/server environment. Conducts quality control and auditing of databases in a client/server environment to ensure accurate and appropriate use of data. Advises users on access to various client/server databases. Designs, implements, and maintains complex databases with respect to JCL, access methods, access time, device allocation, validation checks, organization, protection and security, documentation, and statistical methods. Applies knowledge and experience with database technologies, development methodologies, and front-end (e.g., COGNOS)/back-end programming languages (e.g., SQL). Performs database programming and supports systems design. Includes maintenance of database dictionaries, overall monitoring of standards and procedures, file design and storage, and integration of systems through database design. May be required manage a small technical team.

General Experience/Education: Requires a Bachelors degree or applicable training certificates or 6 years equivalent experience with 8 or more years' experience in an information technology environment.

Commercial Job Title: Documentation Specialist

Functional Responsibility: Gathers, analyzes, and composes technical information. Conducts research and ensures the use of proper technical terminology. Translates technical information into clear, readable documents to be used by technical and non-technical personnel.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience and 3 years' experience.

Commercial Job Title: Functional Analyst

Functional Responsibility: Analyzes user needs to determine functional and cross-functional requirements related to information technology projects. Performs functional allocation to identify required tasks and their interrelationships. Identifies resources required for each task. Must demonstrate the ability to work independently or under only general direction.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience and 6 years' experience of which 3 years must be specialized including developing functional requirements for complex integrated ADP systems with programming.

Commercial Job Title: Help Desk Specialist

Functional Responsibility: Provides first and second-tier support to end users for either PC, server, or mainframe applications and hardware. Responds to and diagnoses problems through discussions with users. Includes problem recognition, research, isolation, and resolution steps. May involve use of problem management database and help desk systems. May interact with network services, software systems engineering, and/or applications development to restore service and/or identify and correct core problem. Escalates more complex problems. Assists in the evaluation of business problems, evaluates and recommends vendor packages, and implements required software. May assist in the evaluation of personnel end-user computing packages and equipment as well as in the implementation and testing of prototypes. Consults with client area management and staff regarding PC and LAN systems and equipment problems or malfunctions and recommends solutions.

General Experience/Education:

- Help Desk Specialist Level 1: Requires a high school diploma and 1 year of experience in an information technology environment.
- Help Desk Specialist Level II: Requires a Bachelors degree or applicable training certificates or 4 years equivalent experience and 2 years' experience in an information technology environment.
- Help Desk Specialist Level III: Requires a Bachelors degree or applicable training certificates or 4 years equivalent experience with 3 to 5 years' experience in an information technology environment.

Commercial Job Title: Information Engineer I

Functional Responsibility: Supports information retrieval solutions to support client requirements for specified domain subjects, using information retrieval software languages and automated text analysis and extraction techniques

General Experience/Education: Requires a Bachelors degree, 4 years equivalent experience and 2 years' experience in an information technology environment.

Commercial Job Title: Information Engineer II

Functional Responsibility: Develops information retrieval solutions to support client requirements for specified domain subjects, using information retrieval software languages and automated text analysis and extraction techniques

General Experience/Education: Requires a Bachelors degree, 4 years equivalent experience with 3 to 5 years' experience in an information technology environment.

Commercial Job Title: Information Engineer III

Functional Responsibility: Develops high-level information retrieval solutions to support client requirements for specified domain subjects, using information retrieval software languages and automated text analysis and extraction techniques. May be required manage a small technical team.

General Experience/Education: Requires a Bachelors degree, 7 years equivalent experience with 6 or more years' experience in an information technology environment.

Commercial Job Title: Network Architect I

Functional Responsibility: Provides suggestions to managers and technical staff. Develops architectural products and deliverables for the enterprise and operational business lines. Develops strategy of system and the design infrastructure necessary to support that strategy. Advises on standards for the client/server relational database structure for the organization.

General Experience/Education: Requires a Bachelors degree or applicable training certificates or 4 years equivalent experience and 2 years' experience in an information technology environment.

Commercial Job Title: Network Architect II

Functional Responsibility: Provides mid-level architectural expertise to managers and technical staff. Develops architectural products and deliverables for the enterprise and operational business lines. Supports the development of strategy of system and the design infrastructure necessary to support that strategy. Advises on selection of technological purchases with regards to processing, data storage, data access, and applications development. Sets standards for the client/server relational database structure for the organization. Advises of feasibility of potential future projects to management.

General Experience/Education: Requires a Bachelors degree or applicable training certificates or 6 years equivalent experience with 3 to 5 years' experience in an information technology environment.

Commercial Job Title: Network Architect III

Functional Responsibility: Provides high-level architectural expertise to managers and technical staff. Develops architectural products and deliverables for the enterprise and operational business lines. Develops strategy of system and the design infrastructure necessary to support that strategy. Advises on selection of technological purchases with regards to processing, data storage, data access, and applications development. Sets standards for the client/server relational database structure for the organization. Advises of feasibility of potential future projects to management. May be required manage a small technical team.

General Experience/Education: Requires a Masters degree or applicable training certificates or 9 years equivalent experience with 6 or more years' experience in an information technology environment.

Commercial Job Title: Network Engineer

Functional Responsibility: Assists with the installation and support of network communications. Follows standard practices and procedures in analyzing situations involving readily identifiable problems. Assists in the planning of large-scale systems projects.

General Experience/Education:

- Network Engineer Level 1: Requires a Bachelors degree or 4 years equivalent experience and 3 to 5 years' experience in a related field.
- Network Engineer Level II: Requires a Bachelors degree or 4 years equivalent experience and 6 to 9 years' experience in a related field.

Commercial Job Title: Principal Network Engineer I

Functional Responsibility: Provides support related to the design, development, and implementation of a network. Develops test strategies, devices, and systems. Assists with stress and performance tests on a variety of computer networks.

General Experience/Education: Requires a Bachelors degree or applicable training certificates or 4 years equivalent experience and 2 years' experience in an information technology environment.

Commercial Job Title: Principal Network Engineer II

Functional Responsibility: Provides analysis related to the design, development, and implementation of a network. Develops test strategies, devices, and systems. Performs stress and performance tests on a variety of computer networks.

General Experience/Education: Requires a Bachelors degree or applicable training certificates or 6 years equivalent experience with 3 to 5 years' experience in an information technology environment.

Commercial Job Title: Principal Network Engineer III

Functional Responsibility: Provides high-level analysis related to the design, development, and implementation of a network. Develops and implements test strategies, devices, and systems. Performs stress and performance tests on a variety of computer networks. May be required manage a small technical team.

General Experience/Education: Requires a Masters degree or applicable training certificates or 9 years equivalent experience with 6 or more years' experience in an information technology environment.

Commercial Job Title: Program Manager

Functional Responsibility: Plans, organizes, and controls the overall activities of the contract and Task Orders. Responsible for formulating and enforcing work standards, assigning contractor schedules, reviewing work discrepancies, supervising contract personnel, and communicating policies, purposes, and goals of organization to subordinates. The Program Manager serves as primary client interface; confers with management on strategic issues, and maximizes efficiency in achieving contract and Task Order cost, schedule, and technical quality parameters; performs and meets contract administrative requirements, identifies, and ensures the effectiveness of any corrective action resolution. In addition to management skills, the Program Manager directs and provides ADP expertise for all phases of program/projects from inception through completion across all SOW Functional Areas, and when appropriate, will serve as a Task Order Project Manager.

General Experience/Education: Requires a Bachelors Degree or 4 years equivalent experience, and 12 or more years of experience managing and administering multi-million dollar, ADP, technical, business or administrative services contracts and Task Orders; with demonstrated success in simultaneous management of multiple projects and supervision of all levels of project personnel.

Commercial Job Title: Project Control Specialist

Functional Responsibility: Directs budgeting, manpower and resource planning, and financial reporting in support of information technology projects. Performs complex evaluations of existing procedures, processes, techniques, models, and/or systems related to management problems or contractual issues. Develops work breakdown structures, prepare charts, tables, graphs, and diagrams to assist in analyzing problems.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience with four years' experience in a related field.

Commercial Job Title: Project Manager

Functional Responsibility: Serves as project manager for a large, complex information technology related Task Order or contract. Assists Program Manager in working with Government Contracting Officer, contract or task-level Contracting Officer's Representative, government management personnel, and customer agency representatives. Responsible for developing the Project Management Work Plan and other contract documents. Directs the day-to-day efforts of the contractor technical personnel. Ensures the quality of deliverable documents, software, engineering plans, or installations. Monitors activities under the contract to ensure that all activities are properly executed in accordance with Task Order requirements and the COTR's direction. Performs enterprise wide horizontal integration planning and interfaces to other functional systems.

General Experience/Education:

- Project Manager Level 1: Requires a Bachelors degree or 4 years equivalent work experience and 6 years' experience in a related field.
- Project Manager Level 2: Requires a Bachelors degree or 4 years equivalent work experience and 8 years' experience in a related field.

Commercial Job Title: Quality Assurance Analyst

Functional Responsibility: Provides technical and administrative direction on software development tasks, including the review of work products for correctness, adherence to the design concept and to user standards, review of program documentation to assure government standards/requirements are adhered to, and for progress in accordance with schedules. Coordinates with the Project Manager and/or Quality Assurance Manager to ensure problem solution and user satisfaction. Carries out procedures to ensure that all information systems products and services meet organization standards and end-user requirements. May create test data for applications. Devises improvements to current procedures and develops models of possible future configurations.

General Experience/Education:

- QA Analyst Level I: Requires a Bachelors degree or 4 years equivalent experience and 3 to 5 years' experience in a related field.
- QA Analyst Level II: Requires a Bachelors degree or 4 years equivalent experience and 6 to 9 years' experience in a related field.

Commercial Job Title: Software Developer

Functional Responsibility: Participates in the design of software tools and subsystems to support reuse and domain analysis. Assists with design specification and code. Analyzes functional business applications and design specifications for functional activities. Prepares required documentation. Enhances software to reduce operating time or improve efficiency. Participates in the design of software tools and subsystems to support reuse and domain analysis. Assists in interpreting software requirements and design specifications to code, and integrates and tests software components.

General Experience/Education:

- Software Developer Level 1: Requires a Bachelors degree or 4 years equivalent experience and 3 years' experience in a related field.
- Software Developer Level II: Requires a Bachelors degree or 4 years equivalent experience and 6 years' experience in a related field.
- Software Developer Level III: Requires a Bachelors degree or 4 years equivalent experience with 8 years' experience in a related field.
- Software Developer Level IV: Requires a Bachelors degree or 4 years equivalent experience with 10 years' experience in a related field.

Commercial Job Title: Software Systems Engineer

Functional Responsibility: Works from specifications to assist in developing and modifying operating software programming applications. Assists with design, coding, benchmark testing, debugging, and documentation. May customize purchased applications and assist in maintaining program libraries and technical manuals.

General Experience/Education:

- Software Systems Engineer Level 1: Requires a Bachelors degree or 4 years equivalent experience and 2 years' experience in a related field.
- Software Systems Engineer Level II: Requires a Bachelors degree or 4 years equivalent experience and 8 years' experience in a related field.

Commercial Job Title: Sr. System Administrator

Functional Responsibility: Must have experience in conducting routine system administration tasks and logging data in system admin logs. Systems administrators are responsible for maintaining system efficiency. Experience in maintaining troubleshooting a wide variety of information technology related systems and networks to include high volume/high availability systems. Must have knowledge on a number of debugging protocols and processes. Must be able to troubleshoot problems and issues identified by customers and implement corrective actions quickly.

General Experience/Education:

- Sr. System Administrator Level 1: Requires a Bachelors degree or 4 years equivalent experience and 3 to 5 years' experience in a related field.
- Sr. System Administrator Level II: Requires a Bachelors degree or 4 years equivalent experience and 6 to 9 years' experience in a related field.

Commercial Job Title: Subject Matter Expert – I

Functional Responsibility: Serves as subject matter expert, possessing knowledge of a particular area, such as business, computer science, engineering, mathematics, or the various sciences. Provides technical knowledge and support of highly specialized applications and operational environments, functional systems analysis, design, integration, documentation and implementation advice on exceptionally complex problems that need extensive knowledge of the subject matter for effective implementation. Participates as needed in all phases of software development with emphasis on the planning, analysis, testing, integration, documentation, and presentation phases.

General Experience/Education: Requires a Bachelors degree or applicable training certificates or 4 years equivalent experience and 4 years' experience in an information technology environment.

Commercial Job Title: Subject Matter Expert – II

Functional Responsibility: Serves as subject matter expert, possessing extensive knowledge of a particular area, such as business, computer science, engineering, mathematics, or the various sciences. Provides technical knowledge and analysis of highly specialized applications and operational environments, mid-level functional systems analysis, design, integration, documentation and implementation advice on exceptionally complex problems that need extensive knowledge of the subject matter for effective implementation. Participates as needed in all phases of software development with emphasis on the planning, analysis, testing, integration, documentation, and presentation phases. Applies principles, methods and knowledge of the functional area of capability to specific task order requirements, advanced mathematical principles and methods to exceptionally difficult and narrowly defined technical problems in engineering and other scientific applications to arrive at automated solutions.

General Experience/Education: Requires a Bachelors degree or applicable training certificates or 4 years equivalent experience with 5 to 9 years' experience in an information technology environment.

Commercial Job Title: Subject Matter Expert – III

Functional Responsibility: Serves as subject matter expert, possessing in-depth knowledge of a particular area, such as business, computer science, engineering, mathematics, or the various sciences. Provides technical knowledge and analysis of highly specialized applications and operational environments, high-level functional systems analysis, design, integration, documentation and implementation advice on exceptionally complex problems that need extensive knowledge of the subject matter for effective implementation. Participates as needed in all phases of software development with emphasis on the planning, analysis, testing, integration, documentation, and presentation phases. Applies principles, methods and knowledge of the functional area of capability to specific task order requirements, advanced mathematical principles and methods to exceptionally difficult and narrowly defined technical problems in engineering and other scientific applications to arrive at automated solutions. May be required manage a small technical team.

General Experience/Education: Requires a Masters degree or applicable training certificates or 7 years equivalent experience with 10 or more years' experience in an information technology environment.

Commercial Job Title: System Architect

Functional Responsibility: Provides oversight and management of system administrators or other technical staff. Designs information technology solutions in support projects and objectives. Develops and maintains project documentation. Coordinates project related procurements, develops project schedules, and manages project and contract resources. Responsible for project deliverables. Provides third level support for network related issues. Must have excellent written and oral communications skills, and be able to present technical concepts to non-technical audiences.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience with 10 or more years' experience in a related field.

Commercial Job Title: Systems Engineer I

Functional Responsibility: Provides support related to engineering related to the design, development, and integration of hardware, software, man-machine interfaces and all system level requirements to provide an integrated IT solution. Assists with integrated system test requirement, strategies, devices and systems. Directs overall system level testing.

General Experience/Education: Requires a Bachelors degree or applicable training certificates or 4 years equivalent experience and 2 years' experience in an information technology environment.

Commercial Job Title: Systems Engineer II

Functional Responsibility: Provides analysis and engineering related to the design, development, and integration of hardware, software, man-machine interfaces and all system level requirements to provide

an integrated IT solution. Develops integrated system test requirement, strategies, devices and systems. Directs overall system level testing.

General Experience/Education: Requires a Bachelors degree or applicable training certificates or 4 years equivalent experience with 3 to 5 years' experience in an information technology environment.

Commercial Job Title: Systems Engineer III

Functional Responsibility: Provides high-level analysis and engineering related to the design, development, and integration of hardware, software, man-machine interfaces and all system level requirements to provide an integrated IT solution. Develops integrated system test requirement, strategies, devices and systems. Directs overall system level testing. May be required manage a small technical team.

General Experience/Education: Requires a Masters degree or applicable training certificates or 4 years equivalent experience with 6 or more years' experience in an information technology environment.

Commercial Job Title: Technical Writer

Functional Responsibility: Researches, creates, and maintains documentation that is technically accurate and conforms to the company's writing style. Establishes and maintains standardized documentation practices within the company. Documentation to be created and maintained includes: user manuals, reference manuals, training materials, presentations, newsletters, release notes, online help, technical bulletins, software specifications, security plans, and disaster recovery plans. Experience with Adobe Presenter, Adobe Captivate, Adobe Connect, MS Office, Adobe CS3 Suite, Acrobat Distiller, expert level skills in MS Word. Demonstrated ability to analyze job scope, prioritize work, manage multiple projects, and meet deadlines

General Experience/Education: Requires a high school degree and at least 4 years' experience performing technical writing tasks.

Commercial Job Title: Technical Writer/Editor I

Functional Responsibility: Writes a variety of technical articles, reports, brochures, and/or manuals for documentation for a wide range of uses. Coordinates the display of graphics and the production of the document. Reviews content of technical documentation for quality. Assists in the production of technical and scientific illustrations for presentations and/or publication, as appropriate to the requirements.

General Experience/Education: Requires a Bachelors degree or applicable training certificates or 4 years equivalent experience and 4 years' experience in an information technology environment.

Commercial Job Title: Technical Writer/Editor II

Functional Responsibility: Writes a variety of technical articles, reports, brochures, and/or manuals for documentation for a wide range of uses. Coordinates the display of graphics and the production of the document. Ensures content is of high quality and conforms with standards. Reviews content of technical documentation for quality. Produces technical and scientific illustrations for presentations and/or publication, as appropriate to the requirements. Ensures that documents follow the style laid out in the company's style guide.

General Experience/Education: Requires a Bachelors degree or applicable training certificates or 4 years equivalent experience and 4 to 8 years' experience in an information technology environment.

Commercial Job Title: Technical Writer/Editor III

Functional Responsibility: Writes a variety of high-level technical articles, reports, brochures, and/or manuals for documentation for a wide range of uses. Coordinates the display of graphics and the production of the document. Ensures content is of high quality and conforms with standards. Reviews content of technical documentation for quality. Produces technical and scientific illustrations for

presentations and/or publication, as appropriate to the requirements. Ensures that documents follow the style laid out in the company's style guide. May be required manage a small technical team.

General Experience/Education: Requires a Bachelors degree or applicable training certificates or 6 years equivalent experience with 8 or more years' experience in an information technology environment.

Commercial Job Title: Telecommunications Engineer

Functional Responsibility: Responsible for moderately complex engineering and/or analytical activities associated with one or more technical areas within the telecommunications function (such as, but not limited to, network design, engineering, implementation, or operations/user support). Monitors and responds to complex technical control facility hardware and software problems. Interfaces with vendor support service groups to ensure proper escalation during outages or periods of degraded system performance. Maintains PBX/systems and associated hardware.

General Experience/Education:

- Telecommunications Engineer Level 1: Requires a Bachelors degree or 4 years equivalent experience and 3 years' experience in a related field.
- Telecommunications Engineer Level II: Requires a Bachelors degree or 4 years equivalent experience and 5 years' experience in a related field.
- Telecommunications Engineer Level III: Requires a Bachelors degree or 4 years equivalent experience and 8 years' experience in a related field.
- Telecommunications Engineer Level IV: Requires a Bachelors degree or 4 years equivalent experience and 10 years' experience in a related field.

Commercial Job Title: Test Engineer I

Functional Responsibility: Assists with automated test tools and strategies. Supports test and evaluation procedures to ensure system requirements are met. Develops, maintains, and upgrades automated test scripts and architectures for application products. Also writes, implements, and reports status for system test cases for testing. Assists with providing testing know-how for the support of user requirements of complex to highly complex software/hardware applications. Participates in all phases of risk management assessments and software/hardware development with emphasis on analysis of user requirements, test design and test tools selection.

General Experience/Education: Requires a Bachelors degree or applicable training certificates or 4 years equivalent experience and 4 years' experience in an information technology environment.

Commercial Job Title: Test Engineer II

Functional Responsibility: Evaluates, recommends, and implements automated test tools and strategies. Designs, implements, and conducts test and evaluation procedures to ensure system requirements are met. Develops, maintains, and upgrades automated test scripts and architectures for application products. Also writes, implements, and reports status for system test cases for testing. Analyzes test cases and provides regular progress reports. Provides testing know-how for the support of user requirements of complex to highly complex software/hardware applications. Directs and/or participates in all phases of risk management assessments and software/hardware development with emphasis on analysis of user requirements, test design and test tools selection.

General Experience/Education: Requires a Bachelors degree or applicable training certificates or 4 years equivalent experience and 5 to 7 years' experience in an information technology environment.

Commercial Job Title: Test Engineer III

Functional Responsibility: Evaluates, recommends, and implements high-level automated test tools and strategies. Designs, implements, and conducts test and evaluation procedures to ensure system

requirements are met. Develops, maintains, and upgrades automated test scripts and architectures for application products. Also writes, implements, and reports status for system test cases for testing. Analyzes test cases and provides regular progress reports. Serves as subject matter specialist providing testing know-how for the support of user requirements of complex to highly complex software/hardware applications. Directs and/or participates in all phases of risk management assessments and software/hardware development with emphasis on analysis of user requirements, test design and test tools selection. May be required manage a small technical team.

General Experience/Education: Requires a Masters degree or applicable training certificates or 4 years equivalent experience with 8 or more years' experience in an information technology environment.

Commercial Job Title: Training Specialist

Functional Responsibility: Responsible for preparing information technology related Training Plans and curricula; scheduling of resources; conducting classroom and distance training; preparing, updating and distributing Users Manuals; updating training material as system changes are implemented, for developing remedial training as necessary and for developing special training as the need arises. Responsible for identifying and effectively communicating the knowledge and skills required to successfully complete tasks.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience with 3 years' experience conducting training sessions in a related field

Commercial Job Title: UNIX Administrator

Functional Responsibility: Has the thorough knowledge to create plans to assure effective management, operations, and maintenance of systems and/or networks. Manages teams of system administrators and is able to prioritize work and identify high-risk critical problems and dedicate appropriate resources. Has extensive knowledge of a wide variety of systems and networks to include high volume/high availability systems. Must be able to schedule jobs, execute restores, and restart failed jobs. Additionally, must be able to troubleshoot failed jobs down to the root cause level and document steps used to solve the issue and prevent future occurrences.

General Experience/Education:

- UNIX Administrator Level 1: Requires a Bachelors degree or 4 years equivalent experience and 5 years' experience in a related field.
- UNIX Administrator Level II: Requires a Bachelors degree or 4 years equivalent experience and 8 years' experience in a related field.

Commercial Job Title: Web Developer

Functional Responsibility: Designs, develops, troubleshoots, debugs, and implements software code using the following web development components: Java, JSP, and XHTML with heavy reliance on JavaScript code for DHTML interfaces. Frequent use and application of technical standards, principles, theories, concepts, and techniques. Provides solutions to a variety of technical problems of moderate scope and complexity. Must contribute to the completion of milestones associated with specific projects.

General Experience/Education: Requires a Bachelors degree or 4 years equivalent experience and 5 years' experience with programming.