



# **Federal Supply Schedule Pricelist (FSSP) Mission Oriented Business Integrated Services (MOBIS)**

## **Mission Oriented Business Integrated Services (MOBIS)**

- **Special Item No. 874 4 Training Services:** Instructor Led Training, Web Based Training and Education Courses, Course Development and Test Administration
- **Special Item No. 874 9 Training Services:** Off the Shelf and Customizable Print, Audio and Visual Instructional Training Devices

## **LOGISTICS WORLDWIDE (LOGWORLD) SINS**

- **Special Item No. 874-501 Supply and Value Chain Management**
- **Special Item No. 874-503 Distribution and Transportation Logistics Services**
- **Special Item No. 874-504 Deployment Logistics**
- **Special Item No. 874-505 Logistics Training Services**
- **Special Item No. 874-507 Operations & Maintenance Logistics Management and Support Services**
- **Special Item No. 874-597 Ancillary Repair and Alterations.**

**Contract Number: GS-02F-0133W**

**Solicitation Number TFTP-MC-000874-B**

Contract Period: March 2015 through March 2020

Business Size: Large

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Prices Shown Herein is Net (Discount Deducted). For more information on ordering from Federal Supply Schedules, click on the FSS Schedules button at <http://www.fss.gsa.gov>

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## TERMS AND CONDITIONS

### 1a. AUTHORIZED SPECIAL ITEM NUMBERS (SINs):

Special Item No. 874 4 Training Services: Instructor Led Training, Web Based Training and Education Courses, Course Development and Test Administration

Special Item No. 874 9 Training Services: Off the Shelf and Customizable Print, Audio and Visual Instructional Training Devices

### 1b. LOWEST PRICED MODEL NUMBER AND LOWEST UNIT PRICE FOR THAT MODEL FOR EACH SIN AWARDED IN THE CONTRACT:

SIN	Commercial Labor Category	OPTION PERIOD TWO				
		3/10/15-3/9/16	3/10/16-3/9/17	3/10/17-3/9/18	3/10/18-3/9/19	3/10/19-3/9/20
874 4	ADMINISTRATIVE ASSISTANT I	\$40.61	\$41.83	\$43.09	\$44.38	\$45.71
	APPLICATIONS DEVELOPER I	\$59.70	\$61.49	\$63.33	\$65.23	\$67.19
	APPLICATIONS DEVELOPER II	\$82.87	\$85.36	\$87.92	\$90.56	\$93.28
	APPLICATIONS DEVELOPER III	\$101.59	\$104.64	\$107.78	\$111.01	\$114.34
	APPLICATIONS PROGRAMMER	\$53.60	\$55.21	\$56.87	\$58.57	\$60.33
	CONTRACT ADMINISTRATOR	\$53.56	\$55.17	\$56.82	\$58.53	\$60.28
	COURSEWARE DEVELOPER I	\$52.49	\$54.06	\$55.69	\$57.36	\$59.08
	COURSEWARE DEVELOPER II	\$82.87	\$85.36	\$87.92	\$90.56	\$93.28
	DATA MANAGEMENT SPECIALIST I	\$37.96	\$39.09	\$40.27	\$41.47	\$42.72
	DATA MANAGEMENT SPECIALIST II	\$43.65	\$44.96	\$46.31	\$47.70	\$49.13
	DEPUTY PROGRAM MANAGER	\$86.53	\$89.13	\$91.80	\$94.55	\$97.39
	EDITOR	\$50.68	\$52.20	\$53.76	\$55.38	\$57.04
	EDUCATION SPECIALIST	\$92.89	\$95.67	\$98.54	\$101.50	\$104.54
	EVM SPECIALIST	\$85.53	\$88.10	\$90.74	\$93.46	\$96.27
	GRAPHIC SPECIALIST I	\$50.82	\$52.34	\$53.92	\$55.53	\$57.20
	GRAPHIC SPECIALIST II	\$53.14	\$54.73	\$56.37	\$58.06	\$59.81
	GRAPHIC SPECIALIST III	\$60.86	\$62.69	\$64.57	\$66.51	\$68.50
	INSTRUCTIONAL DESIGNER I	\$70.15	\$72.26	\$74.43	\$76.66	\$78.96
	INSTRUCTIONAL DESIGNER II	\$77.69	\$80.02	\$82.42	\$84.90	\$87.44
	MILITARY ANALYST I	\$79.45	\$81.84	\$84.29	\$86.82	\$89.43
	MILITARY ANALYST II	\$108.79	\$112.04	\$115.40	\$118.86	\$122.43
	MILITARY ANALYST III	\$148.92	\$153.38	\$157.99	\$162.73	\$167.61
	MS PROJECT SOFTWARE SPECIALIST	\$89.71	\$92.40	\$95.18	\$98.03	\$100.97
	NARRATOR	\$45.87	\$47.24	\$48.66	\$50.12	\$51.62
	NETWORK ADMINISTRATOR	\$70.83	\$72.96	\$75.15	\$77.40	\$79.72
	PROGRAM MANAGER I	\$130.03	\$133.93	\$137.95	\$142.08	\$146.35
	PROGRAM MANAGER II	\$156.62	\$161.32	\$166.16	\$171.14	\$176.28
	PROGRAM MANAGER III	\$183.65	\$189.16	\$194.83	\$200.68	\$206.70
	PROJECT MANAGER I	\$79.78	\$82.18	\$84.64	\$87.18	\$89.80

		OPTION PERIOD TWO				
SIN	Commercial Labor Category	3/10/15-3/9/16	3/10/16-3/9/17	3/10/17-3/9/18	3/10/18-3/9/19	3/10/19-3/9/20
	PROJECT MANAGER II	\$100.51	\$103.52	\$106.63	\$109.83	\$113.12
	QUALITY ASSURANCE ANALYST	\$77.09	\$79.40	\$81.78	\$84.23	\$86.76
	QUALITY ASSURANCE MANAGER	\$89.08	\$91.76	\$94.51	\$97.35	\$100.27
	SENIOR MILITARY TRAINING ANALYST	\$158.33	\$163.08	\$167.97	\$173.01	\$178.20
	SITE MANAGER	\$91.36	\$94.10	\$96.92	\$99.83	\$102.83
	SME - AVIATOR I	\$82.92	\$85.40	\$87.96	\$90.60	\$93.32
	SME - AVIATOR II	\$84.98	\$87.52	\$90.15	\$92.85	\$95.64
	SME - AVIATOR III				\$127.21	\$131.02
	SME – TECHNICAN OPERATOR III				\$76.33	\$78.62
	SME - TECHNICIAN/OPERATOR I	\$55.02	\$56.67	\$58.37	\$60.12	\$61.93
	SME - TECHNICIAN/OPERATOR II	\$66.14	\$68.12	\$70.16	\$72.27	\$74.44
	SOFTWARE ENGINEER I	\$66.51	\$68.50	\$70.56	\$72.67	\$74.85
	SOFTWARE ENGINEER II	\$80.18	\$82.58	\$85.06	\$87.61	\$90.24
	TECHNICAL LIBRARIAN	\$58.87	\$60.64	\$62.46	\$64.33	\$66.26
	TECHNICAL MANUAL DEVELOPER I	\$51.97	\$53.53	\$55.14	\$56.79	\$58.50
	TECHNICAL MANUAL DEVELOPER II	\$65.76	\$67.73	\$69.76	\$71.85	\$74.01
	VIDEOGRAPHER	\$66.36	\$68.35	\$70.40	\$72.52	\$74.69
874-4	HTML 5 Interactive Courseware Conversion	3/10/15-3/9/16	3/10/16-3/9/17	3/10/17-3/9/18	3/10/18-3/9/19	3/10/19-3/9/20
	LOW Level / Per Hour				\$3,620.79	\$3,729.41
	MODERATE Level / Per Hour				\$8,568.07	\$8,825.11
	HIGH Level / Per Hour				\$22,706.21	\$23,387.40

**OCONUS Rates:** An additional \$41.23 per hour will be added to all hours worked beginning on the first day of deployment for employees deployed 30 consecutive days or more outside of the continental United States (OCONUS). In addition, the appropriate State Department Danger Pay Percent of Compensation Premium as published by the State Department at [http://aoprals.state.gov/web920/Default.asp?menu\\_id=95](http://aoprals.state.gov/web920/Default.asp?menu_id=95) will also be applied to the base labor rate.

		OPTION PERIOD TWO				
SIN	Commercial Labor Category	3/10/15-3/9/16	3/10/16-3/9/17	3/10/17-3/9/18	3/10/18-3/9/19	3/10/19-3/9/20
874 9	ADMINISTRATIVE ASSISTANT	\$40.61	\$41.83	\$43.09	\$44.38	\$45.71
	ADMINISTRATIVE ASSISTANT II				\$47.94	\$49.38
	APPLICATIONS PROGRAMMER I	\$54.00	\$55.62	\$57.29	\$59.01	\$60.78
	APPLICATIONS PROGRAMMER II	\$61.54	\$63.39	\$65.29	\$67.25	\$69.27
	CONFIGURATION MANAGER	\$145.32	\$149.68	\$154.17	\$158.80	\$163.56
	CONTRACT ADMINISTRATOR	\$53.56	\$55.17	\$56.82	\$58.53	\$60.28
	DATA MANAGEMENT SPECIALIST II	\$43.65	\$44.96	\$46.31	\$47.70	\$49.13
	DEPUTY PROGRAM MANAGER	\$86.53	\$89.13	\$91.80	\$94.55	\$97.39
	DRAFTSMAN (CAD) I	\$52.83	\$54.41	\$56.05	\$57.73	\$59.46
	DRAFTSMAN (CAD) II	\$58.38	\$60.13	\$61.94	\$63.79	\$65.71
	DRAFTSMAN (CAD) III	\$63.91	\$65.83	\$67.80	\$69.84	\$71.93

		OPTION PERIOD TWO				
SIN	Commercial Labor Category	3/10/15-3/9/16	3/10/16-3/9/17	3/10/17-3/9/18	3/10/18-3/9/19	3/10/19-3/9/20
	EARNED VALUE MANAGEMENT SPECIALIST	\$85.53	\$88.10	\$90.74	\$93.46	\$96.27
	EDITOR	\$50.68	\$52.20	\$53.76	\$55.38	\$57.04
	ELECTRICAL ENGINEER I	\$84.96	\$87.51	\$90.14	\$92.84	\$95.63
	ELECTRICAL ENGINEER II	\$97.21	\$100.13	\$103.13	\$106.23	\$109.41
	ELECTRICAL ENGINEER III	\$114.42	\$117.86	\$121.39	\$125.03	\$128.78
	ELECTRICAL TECHNICIAN I	\$53.17	\$54.76	\$56.41	\$58.10	\$59.84
	ELECTRICAL TECHNICIAN II	\$56.93	\$58.64	\$60.40	\$62.21	\$64.07
	ELECTRICAL TECHNICIAN III	\$67.83	\$69.86	\$71.96	\$74.11	\$76.34
	FINISH PAINTER I				\$53.14	\$54.73
	FINISH PAINTER II				\$79.60	\$81.99
	GRAPHIC SPECIALIST III	\$60.86	\$62.69	\$64.57	\$66.51	\$68.50
	HARDWARE TECHNICIAN I	\$56.22	\$57.90	\$59.64	\$61.43	\$63.27
	HARDWARE TECHNICIAN I				\$50.31	\$51.82
	HARDWARE TECHNICIAN II	\$71.21	\$73.35	\$75.55	\$77.82	\$80.15
	HARDWARE TECHNICIAN II				\$74.44	\$76.67
	HARDWARE TECHNICIAN III	\$81.91	\$84.36	\$86.89	\$89.50	\$92.19
	HARDWARE TECHNICIAN III				\$83.91	\$86.42
	INSTRUCTIONAL DESIGNER II	\$77.69	\$80.02	\$82.42	\$84.90	\$87.44
	MACHINIST I	\$48.37	\$49.82	\$51.31	\$52.85	\$54.44
	MACHINIST II	\$52.27	\$53.84	\$55.46	\$57.12	\$58.83
	MACHINIST III	\$63.33	\$65.23	\$67.19	\$69.21	\$71.28
	MECHANICAL ENGINEER I	\$84.96	\$87.51	\$90.14	\$92.84	\$95.63
	MECHANICAL ENGINEER II	\$97.21	\$100.13	\$103.13	\$106.23	\$109.41
	MECHANICAL ENGINEER III	\$114.42	\$117.86	\$121.39	\$125.03	\$128.78
	MILITARY ANALYST I	\$79.45	\$81.84	\$84.29	\$86.82	\$89.43
	MS PROJECT SOFTWARE SPECIALIST	\$89.71	\$92.40	\$95.18	\$98.03	\$100.97
	NETWORK ADMINISTRATOR	\$70.83	\$72.96	\$75.15	\$77.40	\$79.72
	PHOTOGRAPHER	\$58.65	\$60.41	\$62.22	\$64.09	\$66.01
	PRINCIPAL ENGINEER	\$134.94	\$138.99	\$143.16	\$147.45	\$151.88
	PRODUCTION MANAGER I				\$97.81	\$100.75
	PRODUCTION MANAGER II				\$105.76	\$108.94
	PRODUCTION PLANNER				\$96.17	\$99.06
	PRODUCTION SUPERVISOR				\$89.13	\$91.80
	PURCHASER	\$53.72	\$55.34	\$57.00	\$58.71	\$60.47
	QUALITY ASSURANCE SPECIALIST				\$80.39	\$82.80
	SENIOR PROGRAM DIRECTOR	\$166.23	\$171.22	\$176.36	\$181.65	\$187.10
	SENIOR SIMULATION PROGRAM DIRECTOR				\$145.63	\$150.00
	SHEET METAL MECHANIC I				\$56.72	\$58.43
	SHEET METAL MECHANIC II				\$68.34	\$70.39
	SHEET METAL MACHANIC III				\$80.01	\$82.41
	SHIPPING /RECEIVING CLERK	\$53.72	\$55.34	\$57.00	\$58.71	\$60.47
	SIMULATION DEPUTY PROGRAM MANAGER				\$134.28	\$138.31
	SIMULATION ELECTRICIAN TECHNICIAN I				\$58.06	\$59.80

OPTION PERIOD TWO						
SIN	Commercial Labor Category	3/10/15-3/9/16	3/10/16-3/9/17	3/10/17-3/9/18	3/10/18-3/9/19	3/10/19-3/9/20
	<i>SIMULATION ELECTRICIAN TECHNICIAN II</i>				\$68.09	\$70.13
	<i>SIMULATION ELECTRICIAN TECHNICIAN III</i>				\$79.32	\$81.70
	<i>SIMULATION MACHINIST I</i>				\$61.34	\$63.18
	<i>SIMULATION MACHINIST II</i>				\$68.21	\$70.26
	<i>SIMULATION MACHINIST III</i>				\$88.79	\$91.45
	<i>SIMULATION PROGRAM MANAGER</i>	\$129.13	\$133.01	\$137.00	\$141.11	\$145.34
	<i>SIMULATION PROGRAM MANAGER I</i>				\$115.66	\$119.13
	<i>SIMULATION PROGRAM MANAGER II</i>				\$143.59	\$147.90
	<i>SIMULATION PROJECT MANAGER</i>	\$83.46	\$85.96	\$88.54	\$91.20	\$93.94
	<i>SIMULATION PROJECT MANAGER I</i>				\$119.15	\$122.72
	<i>SIMULATION PROJECT MANAGER II</i>				\$132.23	\$136.20
	<i>SIMULATION PROJECT MANAGER III</i>				\$146.79	\$151.19
	<i>SIMULATION QUALITY ASSURANCE ANALYST I</i>	\$81.35	\$83.79	\$86.30	\$88.89	\$91.56
	<i>SIMULATION QUALITY ASSURANCE ANALYST II</i>	\$103.84	\$106.96	\$110.17	\$113.47	\$116.88
	<i>SIMULATION QUALITY ASSURANCE ANALYST III</i>	\$119.39	\$122.97	\$126.66	\$130.46	\$134.37
	<i>SIMULATION TECHNICIAN I</i>	\$51.60	\$53.15	\$54.75	\$56.39	\$58.08
	<i>SIMULATION TECHNICIAN II</i>	\$61.75	\$63.60	\$65.51	\$67.47	\$69.50
	<i>SITE MANAGER</i>	\$91.36	\$94.10	\$96.92	\$99.83	\$102.83
	<i>SITE MANAGER - AVIATION</i>				\$108.35	\$111.60
	<i>SME AVIATOR I</i>	\$82.92	\$85.40	\$87.96	\$90.60	\$93.32
	<i>SME AVIATOR II</i>	\$84.98	\$87.52	\$90.15	\$92.85	\$95.64
	<i>SME AVIATOR III</i>	\$108.01	\$111.25	\$114.58	\$118.02	\$121.56
	<i>SME AVIATOR III-SQ</i>				\$130.41	\$134.32
	<i>SME TECH/OP I</i>	\$55.02	\$56.67	\$58.37	\$60.12	\$61.93
	<i>SME TECH/OP II</i>	\$66.14	\$68.12	\$70.16	\$72.27	\$74.44
	<i>SME TECH/OP III</i>	\$89.30	\$91.98	\$94.74	\$97.58	\$100.51
	<i>SOFTWARE ENGINEER I</i>	\$66.51	\$68.50	\$70.56	\$72.67	\$74.85
	<i>SOFTWARE ENGINEER II</i>	\$80.18	\$82.58	\$85.06	\$87.61	\$90.24
	<i>SOFTWARE ENGINEER III</i>	\$104.62	\$107.76	\$110.99	\$114.32	\$117.75
	<i>SOFTWARE ENGINEER IV</i>	\$128.32	\$132.17	\$136.13	\$140.22	\$144.42
	<i>SYSTEMS ENGINEER I</i>				\$120.66	\$124.28
	<i>SYSTEMS ENGINEER II</i>				\$144.79	\$149.13
	<i>SYSTEMS ENGINEER III</i>				\$173.75	\$178.96
	<i>TECHNICAL LIBRARIAN</i>	\$50.90	\$52.43	\$54.00	\$55.62	\$57.29
	<i>TECHNICAL MANUAL DEVELOPER I</i>	\$51.97	\$53.53	\$55.14	\$56.79	\$58.50
	<i>TECHNICAL MANUAL DEVELOPER II</i>	\$65.76	\$67.73	\$69.76	\$71.85	\$74.01
	<i>VIDEOGRAPHER</i>	\$66.36	\$68.35	\$70.40	\$72.52	\$74.69
	<i>WELDER I</i>				\$64.26	\$66.18
	<i>WELDER II</i>				\$64.52	\$66.45
	<i>WELDER III</i>				\$79.18	\$81.56
OPTION PERIOD TWO						
SIN	Commercial Product Category	3/10/15-3/9/16	3/10/16-3/9/17	3/10/17-3/9/18	3/10/18-3/9/19	3/10/19-3/9/20



			OPTION PERIOD TWO				
SIN	Commercial Labor Category		3/10/15-3/9/16	3/10/16-3/9/17	3/10/17-3/9/18	3/10/18-3/9/19	3/10/19-3/9/20
874 9	Cockpit Part-Task Trainer/Develop	\$1,974,850.47	\$2,034,095.98	\$2,095,118.86	\$2,157,972.43	\$2,222,711.60	
	Cockpit Maintenance Trainer (power systems included)/ Develop	\$4,018,783.74	\$4,139,347.26	\$4,263,527.67	\$4,391,433.50	\$4,523,176.51	
	Desktop Avionics Simulator/Develop	\$215,725.34	\$222,197.10	\$228,863.02	\$235,728.91	\$242,800.77	
	Desktop Cockpit Simulator/Develop	\$452,480.53	\$466,054.95	\$480,036.60	\$494,437.70	\$509,270.83	
	Jet Turbine Engine Virtual Interactive Environment (VIE)	\$628,924.95	\$647,792.70	\$667,226.48	\$687,243.28	\$707,860.57	
	VIE Workstation	\$31,536.63	\$32,482.73	\$33,457.21	\$34,460.93	\$35,494.76	
	TEDAC Desktop with Functional Grips	\$13,190.89	\$13,586.62	\$13,995.22	\$14,414.04	\$14,846.46	
	TEDAC Desktop Transportation Case	\$1,080.81	\$1,113.23	\$1,146.63	\$1,181.03	\$1,216.46	
	Modernized Target Acquisition Designator Sight (TADS) Selected Task Trainer (MTSTT)	\$1,733,985.54	\$1,786,005.11	\$1,839,585.26	\$1,894,772.82	\$1,951,616.00	
	FMS & Domestic UH-60M Black Hawk Maintenance Trainer (BHMT)	\$8,260,815.65	\$8,508,640.12	\$8,763,899.32	\$9,026,816.30	\$9,297,620.79	
	TEDAC Desktop with Functional Grips and Display			\$26,154.39	\$26,938.99	\$27,747.16	
	Simulated Aviation Ground Power Unit (AGPU)			\$802,267.29	\$826,335.31	\$851,125.37	
	L-7AY Apache Helicopter Maintenance Trainer			\$10,985,472.92	\$11,315,037.11	\$11,654,488.22	

The labor categories listed below are in reference to LOGWORLD SINs within the 8740-500 Series Including:

- 874-501 Supply and Value Chain Management
- 874-503 Distribution and Transportation Logistics Services
- 874-504 Deployment Logistics
- 874-505 Logistics Training Services
- 874-507 Operations & Maintenance Logistics Management and Support Services
- 874-597 Ancillary Repair and Alterations.

SIN	Commercial Labor Category	3/10/15-3/9/16	3/10/16-3/9/17	3/10/17-3/9/18	3/10/18-3/9/19	3/10/19-3/9/20
874 500 Series	ADMINISTRATIVE ASSISTANT	\$40.61	\$41.83	\$43.09	\$44.38	\$45.71
	ADMINISTRATIVE ASSISTANT II				\$47.94	\$49.38
	DATA MANAGEMENT SPECIALIST II	\$43.65	\$44.96	\$46.31	\$47.70	\$49.13
	DEPUTY PROGRAM MANAGER	\$86.53	\$89.13	\$91.80	\$94.55	\$97.39



SIN	Commercial Labor Category	3/10/15- 3/9/16	3/10/16- 3/9/17	3/10/17- 3/9/18	3/10/18- 3/9/19	3/10/19- 3/9/20
	GOVERNMENT PROPERTY ADMINISTRATOR				\$79.18	\$81.55
	INVENTORY CONTROL SPECIALIST				\$71.34	\$73.48
	LOGISTICS MANAGER				\$97.55	\$100.48
	LOGISTICS SPECIALIST I				\$58.92	\$60.69
	LOGISTICS SPECIALIST II				\$65.40	\$67.36
	LOGISTICS SPECIALIST II - AVIATION MAINTENANCE				\$65.41	\$67.37
	LOGISTICS SPECIALIST III				\$72.59	\$74.77
	LOGISTICS SPECIALIST III - AVIATION MAINTENANCE				\$72.59	\$74.77
	MILITARY ANALYST I	\$79.45	\$81.84	\$84.29	\$86.82	\$89.43
	MILITARY ANALYST II	\$108.79	\$112.04	\$115.40	\$118.86	\$122.43
	MILITARY ANALYST III	\$148.92	\$153.38	\$157.99	\$162.73	\$167.61
	PRODUCTION CONTROL CLERK I				\$43.87	\$45.18
	PRODUCTION CONTROL CLERK II				\$48.25	\$49.70
	PRODUCTION MANAGER I				\$97.81	\$100.75
	PRODUCTION MANAGER II				\$105.76	\$108.94
	PRODUCTION PLANNER				\$96.17	\$99.06
	PRODUCTION SUPERVISOR				\$89.13	\$91.80
	PROGRAM MANAGER I	\$130.03	\$133.93	\$137.95	\$142.08	\$146.35
	PROGRAM MANAGER I - AVIATION				\$109.29	\$112.56
	PROGRAM MANAGER I - AVIATION MAINTENANCE				\$109.29	\$112.56
	PROGRAM MANAGER II	\$156.62	\$161.32	\$166.16	\$171.14	\$176.28
	PROGRAM MANAGER II - AVIATION				\$121.43	\$125.08
	PROGRAM MANAGER II - AVIATION MAINTENANCE				\$121.43	\$125.08
	PROGRAM MANAGER III	\$183.65	\$189.16	\$194.83	\$200.68	\$206.70
	PROGRAM MANAGER III - AVIATION				\$133.58	\$137.59
	PROGRAM MANAGER III - AVIATION MAINTENANCE				\$133.58	\$137.59
	PROJECT MANAGER I	\$79.78	\$82.18	\$84.64	\$87.18	\$89.80
	PROJECT MANAGER I - AVIATION MAINTENANCE				\$78.06	\$80.40
	PROJECT MANAGER II	\$100.51	\$103.52	\$106.63	\$109.83	\$113.12
	PROJECT MANAGER II - AVIATION MAINTENANCE				\$86.74	\$89.35
	PROJECT MANAGER III - AVIATION MAINTENANCE				\$95.40	\$98.27
	PURCHASING ADMINISTRATOR				\$98.86	\$101.83
	PURCHASING AGENT I				\$48.25	\$49.70
	PURCHASING AGENT II				\$53.08	\$54.67
	PURCHASING AGENT III				\$58.92	\$60.69
	PURCHASING AGENT IV				\$65.40	\$67.36
	PURCHASING CLERK I				\$39.88	\$41.08
	PURCHASING CLERK II				\$43.87	\$45.18
	PURCHASING MANAGER				\$97.55	\$100.48
	QUALITY ASSURANCE ANALYST	\$77.09	\$79.40	\$81.78	\$84.23	\$86.76
	QUALITY ASSURANCE MANAGER	\$89.08	\$91.76	\$94.51	\$97.35	\$100.27

SIN	Commercial Labor Category	3/10/15- 3/9/16	3/10/16- 3/9/17	3/10/17- 3/9/18	3/10/18- 3/9/19	3/10/19- 3/9/20
	SENIOR MILITARY TRAINING ANALYST	\$158.33	\$163.08	\$167.97	\$173.01	\$178.20
	SENIOR PROGRAM DIRECTOR	\$166.23	\$171.22	\$176.36	\$181.65	\$187.10
	SHIPPING /RECEIVING CLERK II	\$53.72	\$55.34	\$57.00	\$58.71	\$60.47
	SHIPPING/RECEIVING CLERK I				\$36.25	\$37.34
	SITE MANAGER	\$91.36	\$94.10	\$96.92	\$99.83	\$102.83
	SITE MANAGER	\$91.36	\$94.10	\$96.92	\$99.83	\$102.83
	SITE MANAGER - AVIATION				108.35	111.60
	SME - TECHNICIAN/OPERATOR I	\$55.02	\$56.67	\$58.37	\$60.12	\$61.93
	SME - TECHNICIAN/OPERATOR II	\$66.14	\$68.12	\$70.16	\$72.27	\$74.44
	SME - TECHNICIAN/OPERATOR III				\$76.33	\$78.62
	SME AVIATOR I	\$82.92	\$85.40	\$87.96	\$90.60	\$93.32
	SME AVIATOR II	\$84.98	\$87.52	\$90.15	\$92.85	\$95.64
	SME AVIATOR III	\$108.01	\$111.25	\$114.58	\$118.02	\$121.56
	SME AVIATOR III-Special Qualifications				\$130.41	\$134.32
	SME TECH/OP I - AVIATION MAINTENANCE				\$62.47	\$64.35
	SME TECH/OP II - AVIATION MAINTENANCE				\$69.40	\$71.48
	SME TECH/OP III - AVIATION MAINTENANCE				\$76.33	\$78.62
	SUPPLY AND PROPERTY SUPERVISOR				\$79.18	\$81.56
	SUPPLY CHAIN SPECIALIST I				\$65.40	\$67.36
	SUPPLY CHAIN SPECIALIST II				\$72.59	\$74.77
	SUPPLY CHAIN SPECIALIST III				\$80.58	\$83.00
	SUPPLY SPECIALIST I				\$43.87	\$45.18
	SUPPLY SPECIALIST II				\$48.25	\$49.70
	SUPPLY SPECIALIST III				\$53.08	\$54.67
	TECHNICAL LIBRARIAN	\$50.90	\$52.43	\$54.00	\$55.62	\$57.29
	TOOLS/PARTS ATTENDANT				\$32.96	\$33.95
	WAREHOUSE CLERK I				\$32.96	\$33.95
	WAREHOUSE CLERK II				\$36.25	\$37.34
	WAREHOUSE CLERK III				\$39.88	\$41.08

**OCONUS Rates:** An additional \$41.23 per hour will be added to all hours worked beginning on the first day of deployment for employees deployed 30 consecutive days or more outside of the continental United States (OCONUS). In addition, the appropriate State Department Danger Pay Percent of Compensation Premium as published by the State Department at [http://aoprals.state.gov/web920/Default.asp?menu\\_id=95](http://aoprals.state.gov/web920/Default.asp?menu_id=95) will also be applied to the base labor rate.

*Trainer Prices listed above vary widely and are dependent on specific task order and agency requirements to include type of military aircraft or component simulator, domestic or FMS specifications and fabrication requirements, specific GFE and GFI provided, documentation requirements, and methods of delivery. Simulator work contracted under this GSA schedule has the added advantage of utilizing our GSA labor rates which are discounted and pre-negotiated with GSA. LSI welcomes the opportunity to develop, maintain or update a trainer for your specific needs. Please contact LSI for more information.*



## 1c. LABOR CATEGORIES

For all SINS in alphabetical order (see following pages)

GSA Category/ Commercial Category	SCA Equivalent (if any)	Description	Experience/Education
<b>Administrative Assistant</b>	Administrative Assistant Code: 01020	Provides administrative support duties for a Director or Vice President.	High School Diploma or Government Equivalent Diploma (GED)
<b>Administrative Assistant II</b>	N/A	The Administrative Assistant II provides administrative support duties for a Director or Vice President.	<ul style="list-style-type: none"> <li>High School diploma or Government Equivalent Diploma (Associates Degree preferred but not required).</li> <li>Three years' experience using office automation tools including Windows based word processing, spreadsheets, databases, and presentation graphics systems software (Word, PowerPoint, Excel) is preferred.</li> <li>A minimum of five years administrative assistant experience is required.</li> </ul>
<b>Applications Developer I</b>	Computer Programmer I Code: 14071	Primarily responsible for testing and debugging existing or new programs within the Information Systems Department. This is the entry position in the job family.	An Associate's degree in computer science, programming, or closely related field from an accredited college or university preferred. Significant experience may be accepted in lieu of degree requirement.
<b>Applications Developer II</b>	Computer Programmer II Code: 14072	Primarily responsible for analyzing the end-user needs and developing, coding, testing, debugging, modifying, documenting, installing, and maintaining applications and programs that effectively meet customer and business requirements.	A Bachelor's degree in computer science, programming, or closely related field from an accredited college or university and an industry certification in software development are required for this position.
<b>Applications Developer III</b>	Computer Programmer III Code: 14073	Primarily responsible for the design and architecture of applications and programs that effectively and efficiently meet customer and business requirements.	Master's degree in computer science, programming, or closely related field from an accredited college or university and an industry certification in software development are required for this position. Portfolio must contain at least three applications where the applicant was a contributing member of a software development team.
<b>Applications Programmer</b>	Computer Programmer I Code: 14071	This is an entry level position for a software developer that will mostly concentrate on application development for desktop simulation.	An AS degree in Computer Science or similar degree is preferred. Or a year or more of professional experience in a software development position.

<b>GSA Category/ Commercial Category</b>	<b>SCA Equivalent (if any)</b>	<b>Description</b>	<b>Experience/Education</b>
<b>Applications Programmer I</b>	Computer Programmer I Code: 14071	This is an entry level position for a software developer that will mostly concentrate on application development for desktop simulation.	An AS Degree in Computer Science or similar degree is required.
<b>Applications Programmer II</b>	Computer Programmer II Code: 14072	This is an intermediate level position for a software developer that will mostly concentrate on application development for desktop simulation.	An AS Degree in Computer Science or similar degree along with 2 years related experience is required.
<b>Configuration Manager</b>	n/a	Manages the coordination and administration of configuration management activities. Formulates procedures for and executes the introduction of changes to engineering documents. Monitors the review of released engineering change data and change accounting activities to ensure adherence to configuration management procedures and policies. Ensures projects are completed on time and within budget. Acts as advisor to the configuration analysis team regarding projects, tasks, and operations.	Requires a Bachelor's Degree and at least 10 years of experience in the field or in a related area. Familiar with standard concepts, practices, and procedures within a particular field. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of complex tasks.
<b>Contract Administrator</b>	General Clerk III Code: 01113	Handles routine or standard form contract agreements and related documentation in accordance with established contract policies and procedures.	An Associate's Degree is preferred. Two to five years general business and contract-related experience is required.
<b>Courseware Developer I</b>	Computer Programmer I Code: 14071	Develops interactive courseware using commercial off-the-shelf and/or company-created software tools, including the structuring of user-computer interfaces and the implementation of graphics, animations, text, and audio files.	College degree in a computer-related field or a high school education and at least one year experience with a commercial off-the-shelf authoring program or other computer-based training development program. Experience with and demonstrated knowledge of graphic file formats.
<b>Courseware Developer II</b>	Computer Programmer II Code: 14072	Develops interactive courseware using commercial off-the-shelf and/or company-created software tools including the structuring of user-computer interfaces and the implementation of graphics, animations, text, and audio files. Possesses knowledge and experience in courseware creation.	College degree in a computer-related field and three years experience with a commercial off-the-shelf authoring program or other computer-based training development experience or a high school education and five years' experience with a commercial off-the-shelf authoring program or other computer-based training development experience.

<b>GSA Category/ Commercial Category</b>	<b>SCA Equivalent (if any)</b>	<b>Description</b>	<b>Experience/Education</b>
<b>Data Management Specialist I</b>	Computer Programmer I Code: 14071	Inputs and formats text and illustrations using desktop publishing software into technical publications.	High School Graduate or equivalent and one year general office experience is required.
<b>Data Management Specialist II</b>	Data Entry Operator II	Creates, maintains, controls, and archives technical documentation for the Technical Publications Department.	High School Graduate or equivalent and a minimum of two years general office experience is required, including prior experience doing data entry into a computer.
<b>Deputy Program Manager</b>	n/a	Provides support to the Program Manager for guidance, direction, and supervision in the areas of requirements integration, training systems development, training assessment, and training systems logistics for Naval Aviation weapons systems. The Deputy Program Manager will assist the Program Manager to operate in an independent environment and will be responsible for reviewing and approving work performed by contractor program personnel. Each Deputy Program Manager will serve as the back-up technical point of contact with Government program management and technical personnel on their respective delivery orders).	Graduate degree in an engineering, education, or management discipline from a military or civilian accredited college or university desired. A total of at least seven years of experience made up of the following elements is required: General Management Experience: A minimum of seven years of general management experience that is directly related to military operations Program Management Experience: At least four years of recent (within the last eight years) program management experience of major multiple award contracts.
<b>Draftsman II</b>	Draft/CAD Operator II Code: 30062	Intermediate level position responsible for wiring for the electrical systems of a training device. Transforms initial rough product designs using computer aided design (CAD) into working documents. Reviews engineering drawing and designs to ensure adherence to established specifications and standards.	High School Diploma or Government Equivalent Diploma plus 2 years related experience. May require an Associate's Degree in a related area and 2-4 years of experience in the field or in a related area. Has knowledge of commonly-used concepts, practices, and procedures within a particular field. Relies on instructions and pre-established guidelines to perform the functions of the job.
<b>Draftsman III</b>	Draft/CAD Operator III Code: 30063	Senior level position responsible for wiring, drawing generation and quality control for the electrical systems of a simulation device. Transforms initial rough product designs using computer aided design (CAD) into working documents. Reviews engineering drawing and designs to ensure adherence to established specifications and standards.	High School Diploma or Government Equivalent Diploma. . May require an Associate's Degree in a related area and at least 4 years of experience in the field or in a related area. Familiar with a variety of the field's concepts, practices, and procedures. Relies on experience and judgment to plan and accomplish goals. Performs a variety of complicated tasks. May direct and lead the work of others.

<b>GSA Category/ Commercial Category</b>	<b>SCA Equivalent (if any)</b>	<b>Description</b>	<b>Experience/Education</b>
<b>Draftsman I</b>	Draft/CAD Operator I Code: 30061	Entry level position responsible to produce and update electrical, civil, structural, mechanical and architectural drawings in an Auto CAD environment. Transforms initial rough product designs using computer aided design (CAD) into working documents. Reviews engineering drawing and designs to ensure adherence to established specifications and standards.	High School Diploma or Government Equivalent Diploma plus 1 year related experience. May require an associate's degree in a related area and 0-2 years of experience in the field or in a related area. Has knowledge of commonly-used concepts, practices, and procedures within a particular field. Relies on instructions and pre-established guidelines to perform the functions of the job.
<b>Earned Value Management Specialist</b>	n/a	Provide consultation and recommendations for EVMS policy and execution issues. In addition, assists managers with financial management of projects, developing budgets, resource plans, invoice plans and financial tracking tools.	Master's Degree with 3+ years of EVM or other financial analyst experience or a Bachelor's Degree in Finance or related field with 5+ years of EVM or other financial analyst experience.
<b>Editor</b>	n/a	Reads, reviews, and marks-up technical publications/courseware lessons for accuracy and quality. Analyzes and presents quality results in monthly quality reports.	Bachelor's Degree in Business Writing, Technical Writing, English, or other related field from an accredited college is preferred or an Associate's Degree with five years' editing experience may be substituted for the Bachelor's Degree.
<b>Educational Specialist</b>	Aircrew Training Devices Instructor (rated)  Code: 15020	Expert in learning theory/instructional design and functions as a key member of the Integrated Product Team (IPT) coordinating the analysis, design, development, implementation, and evaluation phases for multimedia and traditional training systems developed for technical training programs. Establishes and maintains curriculum development standards and guidelines and evaluates curriculum documents and instructional delivery procedures.	A PhD in Instructional Technology, Instructional Design, Educational Psychology, Behavioral Science, or closely related field from an accredited college or university with 7 years of experience in Instructional Design, or a Master's Degree in Instructional Technology, Instructional Design, Educational Psychology, Behavioral Science, or closely related field from an accredited college or university with 10 years of experience in Instructional Design.
<b>Electrical Engineer I</b>	Engineering Technician III Code: 30083	Designs training device electrical systems. Oversees implementation and drawings.	A Bachelor's Degree in electrical engineering and 2 years experience with trainer, aircraft or military electrical systems design and implementation are required.
<b>Electrical Engineer II</b>	Engineering Technician IV Code: 30084	Designs training device electrical systems. Oversees implementation and drawings.	A Bachelor's Degree in electrical engineering and 3 years experience with trainer, aircraft or military electrical systems design and implementation are required.



<b>GSA Category/ Commercial Category</b>	<b>SCA Equivalent (if any)</b>	<b>Description</b>	<b>Experience/Education</b>
<b>Electrical Engineer III</b>	Engineering Technician V Code: 30085	Senior level position responsible for designing training device electrical systems. Oversees implementation and drawings.	A Bachelor's Degree in electrical engineering and 6 years experience with trainer, aircraft or military electrical systems design and implementation are required.
<b>Electrical Technician I</b>	Electronics Technician Maintenance I Code: 23181	Entry level position responsible for wiring the electrical systems of a training device.	High School Diploma or Government Equivalent Diploma plus 3 years related experience.
<b>Electrical Technician II</b>	Electronics Technician Maintenance II Code: 23182	Intermediate level position responsible for wiring for the electrical systems of a training device.	High School Diploma or Government Equivalent Diploma plus 5 years related experience.
<b>Electrical Technician III</b>	Electronics Technician Maintenance III Code: 23183	Senior level position responsible for wiring, drawing generation and quality control for the electrical systems of a simulation device.	High School Diploma or Government Equivalent Diploma plus 12 years related experience.
<b>Finish Painter I</b>	23050 – Aircraft, Painter	The Finish Painter I is responsible for aiding Finish Painter II in prep, touch-up, and finishes on all production projects utilizing paints, enamels, lacquers, and other protective coatings.	<ul style="list-style-type: none"> <li>• High School diploma or equivalent required.</li> <li>• Minimum two (2) years of experience in the field or equivalent work related experience.</li> <li>• Knowledge and training in the use of respirators.</li> </ul>
<b>Finish Painter II</b>	N/A	The Finish Painter II is responsible for prep, touch-up, and final finishes on all production projects utilizing paints, enamels, lacquers, and other protective coatings.	<ul style="list-style-type: none"> <li>• High School diploma or equivalent required.</li> <li>• Minimum five (5) years of experience in the field or equivalent work related experience.</li> </ul>
<b>Government Property Administrator</b>	N/A	Responsible for activities associated with control, tracking and documentation of government property. Handles and tracks physical inventory of fixed assets to include database entry and proper labeling. Conducts periodic inventories of government-furnished materials and equipment.	<ul style="list-style-type: none"> <li>• Bachelor's degree with emphasis in business or equivalent purchasing-related experience required.</li> <li>• Five (5) years' experience in inventory, supply, and logistics management required.</li> </ul>

<b>GSA Category/ Commercial Category</b>	<b>SCA Equivalent (if any)</b>	<b>Description</b>	<b>Experience/Education</b>
<b>Graphics Specialist I</b>	Graphic Artist	Creates computer-based technical illustrations in support of technical publications and training objectives.	High School graduate or GED equivalent. Completion of a course of study in drafting, mechanical drawing or engineering drawing preferred and demonstrated ability in basic computer operator skills and demonstrated ability and basic knowledge of technical illustration.
<b>Graphics Specialist II</b>	Graphic Artist	Develops training courseware products by creating two and three dimension graphics and animations from photographs, video, script and/or storyboards utilizing graphics software.	Any of the following combinations of formal education and professional experience are acceptable: Bachelor's Degree plus 1 year; Associates Degree plus 3 years or High School (or GED) plus 5 years.
<b>Graphics Specialist III</b>	Graphic Artist	Develops training courseware products by creating two and three dimension graphics and animations from photographs, video, script and/or storyboards utilizing graphics software. This position requires advanced technical skills and may have collateral duties as the Lead Artist on a production team.	In addition to demonstrated exceptional skills, any of the following combinations of formal education and professional experience are acceptable: Bachelor's Degree plus 1 year; Associates Degree plus 3 years or High School (or GED) plus 5 years.
<b>Hardware Technician I</b>	Engineering Technician I Code: 30081	Entry level hardware technician who is responsible for the implementation of the hardware design for training devices. Some experience with metal working and tool operation.	High School Diploma or Government Equivalent Diploma plus 3 years related experience.
<b>Hardware Technician II</b>	Engineering Technician II Code: 30082	Intermediate level hardware technician who is responsible for the implementation of the hardware design for training devices. Experienced metal worker and tool operator. Supervises one or more junior hardware technicians.	High School Diploma or Government Equivalent Diploma plus 5 years related experience.
<b>Hardware Technician III</b>	Engineering Technician III Code: 30083	Senior level hardware technician who is responsible for the implementation of the hardware design for training devices. Oversees hardware Q/A. Experienced metal worker and tool operator. Supervises one or more junior hardware technicians.	High School Diploma or Government Equivalent Diploma plus 12 years related experience.

<b>GSA Category/ Commercial Category</b>	<b>SCA Equivalent (if any)</b>	<b>Description</b>	<b>Experience/Education</b>
<b>Instructional Designer I</b>	Computer Systems Analyst II	Serves as integral part of the Integrated Product Team (IPT) conducting the analysis, design, development, implementation, and evaluation phases for multimedia and traditional training systems developed for technical training programs.	Bachelor Degree in Instructional Technology/Design or closely related field and 4 years of experience as an Instructional Designer or Master's Degree in Instructional Technology/Design or closely related field in lieu of experience.
<b>Instructional Designer II</b>	Computer Systems Analyst III	Use ISD principles to plan the analysis, design, development, implementation, and evaluation for multimedia and traditional training systems developed for technical training programs. Provide evaluation of curriculum documents and instructional delivery procedures. Must be capable of serving as a leader in a multiple ID development team in support of the Program Lead Instructional Designer. Provides coaching and mentoring to other team personnel to ensure timely design and development of instructional materials.	Master's degree in Instructional Technology, Instructional Design, Education, Behavioral Science, or closely related field and 3 years professional experience as an Instructional Designer I.
<b>Instructional Designer II</b>	Computer Systems Analyst III	Use ISD principles to plan the analysis, design, development, implementation, and evaluation for multimedia and traditional training systems developed for technical training programs. Provide evaluation of curriculum documents and instructional delivery procedures. Must be capable of serving as a leader in a multiple ID development team in support of the Program Lead Instructional Designer. Provides coaching and mentoring to other team personnel to ensure timely design and development of instructional materials.	Master's Degree in Instructional Technology, Instructional Design, Education, Behavioral Science, or closely related field and 3 years professional experience as an Instructional Designer I.

GSA Category/ Commercial Category	SCA Equivalent (if any)	Description	Experience/Education
<b>Inventory Control Manager</b>	N/A	Ensures adequate inventory of materials and products in accordance with inventory cycles. Core functions include developing, implementing, and maintaining best practices through inventory control procedures. The Inventory Control Manager will possess knowledge, skills, and abilities within a variety of the supply and warehousing concepts including Government Property, Government Furnished Equipment (GFE), Logistics, and Contractor Acquired Property (CAP) as acquired through purchasing contracts.	<ul style="list-style-type: none"> <li>• Bachelor's degree with emphasis in business or equivalent purchasing-related experience required.</li> <li>• Five (5) years' experience in inventory, supply, and logistics management required.</li> </ul>
<b>Logistic Specialist II – Aviation Maintenance</b>	N/A	The Logistics Specialist (LS - AM) II will work as a member of a Maintenance Project Team. The LS II will be required to order, receive, inspect, stow, preserve, package, ship, and issue materials; maintaining inventory database for material stocked in warehouses; perform duties associated with hazardous material control and management; and organize and maintain databases, correspondence files, and reports in support of platform specific mission systems training.	<ul style="list-style-type: none"> <li>• High School graduate or GED equivalent.</li> <li>• Graduate of formal DoD Logistics Specialist (LS), Storekeeper (SK), or Aviation Storekeeper (AK) Class "A" School or equivalent</li> <li>• Minimum of six (6) years LS experience in an aviation command.</li> <li>• Must be eligible for SECRET security clearance.</li> <li>• Must be able to pass an employee's compliance physical.</li> <li>• Must be able to operate a supply vehicle and forklift with a valid state driver's license.</li> <li>• May require efforts outside of normal working hours due to unusual contract requirements.</li> </ul>

GSA Category/ Commercial Category	SCA Equivalent (if any)	Description	Experience/Education
<b>Logistic Specialist III – Aviation Maintenance</b>	N/A	The Logistics Specialist (LS - AM) III will work as a senior member of a Maintenance Project Team. LS III will be required to order, receive, inspect, stow, preserve, package, ship, and issue materials; maintaining inventory database for material stocked in warehouses; perform duties associated with hazardous material control and management; and organize and maintain databases, correspondence files, and reports in support of platform specific mission systems training. Must also be able to train and mentor other LSS on the team.	<ul style="list-style-type: none"> <li>• High School graduate or GED equivalent.</li> <li>• Graduate of formal Navy Logistics Specialist (LS), Storekeeper (SK), or Aviation Storekeeper (AK) Class "A" School or equivalent</li> <li>• SME must have a minimum of ten (10) years LS experience in an aviation command.</li> <li>• Must be eligible for SECRET security clearance.</li> <li>• Must be able to pass an employee's compliance physical.</li> <li>• Must be able to operate a supply vehicle and forklift with a valid state driver's license.</li> <li>• May require efforts outside of "normal" working hours due to unusual contract requirements.</li> </ul>
<b>Logistics Manager</b>	N/A	Functions as a senior-level logistician professional (management) responsible for directing the requisition, distribution, and delivery functions. Establish or monitor specific supply chain-based performance measurement systems. Plan or implement material flow management systems to meet production requirements. Maintain metrics, reports, and process documentation. Design strategies to minimize the cost or time required to move goods.	<ul style="list-style-type: none"> <li>• Bachelor's degree with emphasis in business or equivalent supply chain, related experience required.</li> <li>• Six (6) years' experience in inventory, supply, logistics, and property management required.</li> </ul>
<b>Logistics Specialist I</b>	N/A	Logistics Specialist I (LS I) will serve as a contact for coordinating procurement, handling transportation, ensuring correct handling of Government-Furnished Equipment (GFE), and maintaining appropriate records.	<ul style="list-style-type: none"> <li>• Bachelor's degree with emphasis in business or equivalent logistics-related experience required.</li> <li>• Five (5) years' experience in purchasing required.</li> </ul>
<b>Logistics Specialist II</b>	N/A	Logistics Specialist II (LS II) will serve as a primary contact for coordinating procurement and handling transportation. The LS II will provide control and tracking of assigned government property, ensuring correct handling of Government-Furnished Equipment (GFE), tracking inventory, and maintaining appropriate records.	<ul style="list-style-type: none"> <li>• Bachelor's degree with emphasis in business or equivalent logistics-related experience required.</li> <li>• Eight (8) years' experience in purchasing and/or government property administration.</li> </ul>

GSA Category/ Commercial Category	SCA Equivalent (if any)	Description	Experience/Education
<b>Logistics Specialist III</b>	N/A	Logistics Specialist III (LS III) will serve as the primary contact for coordinating procurement and handling transportation. The Logistics Specialist III will provide control and tracking of assigned government property, ensuring correct handling of Government-Furnished Equipment (GFE), tracking inventory, and maintaining appropriate records. The LS III will also be responsible for training and mentoring LS I and LS II employees on the team.	<ul style="list-style-type: none"> <li>• Bachelor's degree with emphasis in business or equivalent logistics-related experience required.</li> <li>• Ten (10) years' experience in purchasing and/or government property administration.</li> </ul>
<b>Machinist I</b>	Machinist, Maintenance Code: 23550	<p>Entry level craftsman who assembles, repairs, and fabricates metal parts by operating mechanical equipment. Assembles parts into sub-units or complete units. Uses blueprints and design sketches to ensure the proper dimensions and tolerance levels of the finished product.</p> <p>Has knowledge of commonly-used concepts, practices, and procedures within a particular field. Relies on instructions and pre-established guidelines to perform the functions of the job. Works under immediate supervision. Primary job functions do not typically require exercising independent judgment. Typically reports to a supervisor/manager.</p>	Requires a High School Diploma or its equivalent. May be required to meet certain certifications in field and to have at least 0-2 years of experience. Has knowledge of commonly-used concepts, practices, and procedures within a particular field.
<b>Machinist II</b>	Machinery Maintenance Mechanic Code: 23530	<p>Intermediate level craftsman who assembles, repairs, and fabricates metal parts by operating mechanical equipment. Assembles parts into sub-units or complete units. Uses blueprints and design sketches to ensure the proper dimensions and tolerance levels of the finished product.</p> <p>Has knowledge of commonly-used concepts, practices, and procedures within a particular field. Supervises one or more junior hardware technicians.</p>	Requires a High School Diploma or its equivalent. May be required to meet certain certifications in the field and to have at least 2-4 years of experience. Familiar with standard concepts, practices, and procedures within a particular field.

<b>GSA Category/ Commercial Category</b>	<b>SCA Equivalent (if any)</b>	<b>Description</b>	<b>Experience/Education</b>
<b>Machinist III</b>	Machinery Maintenance Mechanic Code: 23530	Senior level craftsman who assembles, repairs, and fabricates metal parts by operating mechanical equipment. Assembles parts into sub-units or complete units. Uses blueprints and design sketches to ensure the proper dimensions and tolerance levels of the finished product.  Has knowledge of commonly-used concepts, practices, and procedures within a particular field. Oversees hardware Q/A. Experienced metal worker and tool operator. Supervises one or more junior hardware technicians.	Requires a High School Diploma or its equivalent. May be required to meet certain certifications in a specialized area and have at least 4 years of experience. Familiar with a variety of the field's concepts, practices, and procedures.
<b>Mechanical Engineer I</b>	Engineering Technician III Code: 30083	Designs training device mechanical systems. Oversees implementation and drawings.	A Bachelor's Degree in mechanical engineering and 2 years experience is required.
<b>Mechanical Engineer II</b>	Engineering Technician IV Code: 30084	Designs training device mechanical systems. Oversees implementation and drawings.	A Bachelor's Degree in mechanical engineering and 3 years experience is required.
<b>Mechanical Engineer III</b>	Engineering Technician V Code: 30085	Designs training device mechanical systems. Oversees implementation and drawings. Supervises one or more junior hardware technicians.	A Bachelor's Degree in mechanical engineering and 6 years experience is required.
<b>Military Analyst I</b>	Aircrew Training Devices Instructor (rated)  Code: 15020	Serves as a Subject Matter Expert (SME) during courseware product development, testing, initial delivery or revision and maintenance (R&M) programs for new or modified military doctrine, systems or subsystems or support systems. Provides subject matter expertise to design and develop officer or non-commissioned officer level courseware and/or conducts training for defined areas of military expertise in accordance with applicable specifications, standards, and instructions.	For Officer level Training Specialists: Bachelor's Degree in any field. Must be a graduate of the Army Command and General Staff College (or other service equivalent). Must possess at least six years of related military work experience in research regarding national military strategy, Army, Joint and combined doctrine, operations concepts, liaison and coordination with allies, industry and academia. Must demonstrate the ability to apply emerging doctrine and tactics from formal doctrinal changes, Force XXI initiatives or systems design and development. For Non-Commissioned Officer Training Specialists: High School Diploma or GED Required. At least four years of experience in applicable enlisted designator or military occupation specialty (MOS).



<b>GSA Category/ Commercial Category</b>	<b>SCA Equivalent (if any)</b>	<b>Description</b>	<b>Experience/Education</b>
<b>Military Analyst II</b>	Aircrew Training Devices Instructor (rated)  Code: 15020	Serves as a Subject Matter Expert (SME) during courseware product development, testing, initial delivery or revision and maintenance (R&M) programs for new or modified military doctrine, systems or subsystems or support systems. Provides subject matter expertise to design and develop officer or non-commissioned officer level courseware and/or conducts training for defined areas of military expertise in accordance with applicable specifications, standards, and instructions.	For Officer level Training Specialists: Bachelor's Degree in any field. Must be a graduate of the Army Command and General Staff College (or other service equivalent). Must possess at least ten years of related military work experience in research regarding national military strategy, Army, Joint and combined doctrine, operations concepts, liaison and coordination with allies, industry and academia. Must demonstrate the ability to apply emerging doctrine and tactics from formal doctrinal changes, Force XXI initiatives or systems design and development. For Non-Commissioned Officer Training Specialists: High School Diploma or GED Required. At least four years of experience in applicable enlisted designator or military occupation specialty (MOS).
<b>Military Analyst III</b>	Aircrew Training Devices Instructor (rated)  Code: 15020	Serves as a Subject Matter Expert (SME) during courseware product development, testing, initial delivery or revision and maintenance (R&M) programs for new or modified military doctrine, systems or subsystems or support systems. Provides subject matter expertise to design and develop officer or non-commissioned officer level courseware and/or conducts training for defined areas of military expertise in accordance with applicable specifications, standards, and instructions.	For Officer level Training Specialists: Bachelor's Degree in any field. Must be a graduate of the Army Command and General Staff College (or other service equivalent). Must possess at least 20 years of related military work experience in research regarding national military strategy, Army, Joint and combined doctrine, operations concepts, liaison and coordination with allies, industry and academia. Must demonstrate the ability to apply emerging doctrine and tactics from formal doctrinal changes, Force XXI initiatives or systems design and development. For Non-Commissioned Officer Training Specialists: High School Diploma or GED Required. At least four years of experience in applicable enlisted designator or military occupation specialty (MOS).
<b>MS Project Software Specialist</b>	Computer Programmer II Code: 14072	Develops and updates task-based schedules using MS Project software. Assesses the critical path and related schedule issues for Project Manager and Program Manager.	Bachelor's Degree from a recognized and accredited university is desirable. Microsoft Project certification with advanced MS Office training preferred. Three years experience in using office automating tools including windows based word processing, spreadsheets, databases and presentation graphics software.

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<b>Narrator</b>	n/a	Narrates training programs to reinforce training objectives by making explanatory comments to accompany action parts of motion picture, animations, or stand-alone audio files for military training programs. Reads from script and speaks into microphone as film/animation is being projected, timing comments to fit action portrayed. Manipulates audio files for inclusion into multimedia products. Reviews audio scripts for accuracy.	BA/BS in Communications, media, motion pictures, television related field preferred -or- A high school education and at least two years production experience in the audiovisual field, including: audio studio post-production; audio equipment; reading and interpreting test signals; computerized editing equipment and software; and audio digital special effects.
<b>Network Administrator</b>	Computer Operator III	Responsible for the daily management and operation of a Microsoft-based network including all software and peripheral associated hardware. Performs software preparation, installation, and improvement of software modifications and research of software related problems.	Bachelor's Degree and completion of network software certification such as UNIX, CISCO, or Microsoft Certification qualifications for computer and server operating software administration –or- Four years experience in personal computer-based systems design and maintenance to include three years of experience in network management and two years experience in software diagnostics.
<b>Photographer</b>	n/a	Prepares and conducts on-site and off-site still shoots of various instructional media design elements for incorporation into multimedia training materials.	High School Graduate or GED completion and/or completion of a course of study in fine art, drafting, mechanical drawing, engineering drawing, graphic design, or photography from an accredited trade school is preferred.
<b>Principal Engineer</b>	Engineering Technician VI Code: 30086	Primary technical lead of several concurrent projects. He is a technical expert in both hardware and software aspects of real-time simulation.	A Master's Degree and 12 years progressive experience in a programming or engineering field are required. At least 7 years of experience should be in simulation. Will have proven expertise in software and hardware design and implantation. Will be knowledgeable with MIL-STD-498 documentation requirements.

GSA Category/ Commercial Category	SCA Equivalent (if any)	Description	Experience/Education
<b>Production Control Clerk I</b>	N/A	Responsible for assisting the production management teams in labor, material, and manufacturing support meets scheduled and unscheduled production goals, in-process work, and planning for proposed workload requirements. Ensure manufacturing orders (MO) are processed in a timely manner. Ensure "need dates" for components inducted for fabrication, machining, welding, and/or paint are properly prioritized to meet schedule requirements. Maintain manufacturing orders (MO) files and related data.	<ul style="list-style-type: none"> <li>• High School diploma or equivalent.</li> <li>• Four (4) years manufacturing and/or production control experience.</li> <li>• Prior experience using MRP program preferred.</li> </ul>
<b>Production Control Clerk II</b>	N/A	Responsible for assisting the production management teams in ensuring labor, material, and manufacturing support meets scheduled and unscheduled production goals, in-process work, and planning for proposed workload requirements. Ensure common equipment and special tooling is available to support the production schedule. Assist Quality Assurance inspectors in the timely scheduling of special process inspections. Identify production bottlenecks, conflicting priorities, material shortage impacts, labor shortages, and/or skill deficiencies	<ul style="list-style-type: none"> <li>• High School diploma or equivalent.</li> <li>• Six (6) years of manufacturing and/or production control experience.</li> <li>• Working knowledge of MS Office Suite.</li> <li>• Supervisory experience preferred.</li> </ul>
<b>Production Manager I</b>	N/A	The Production Manager I is responsible for overseeing the production of a manufacturing program in process at LSI. This position will oversee all work in-process and manage the workload.	<ul style="list-style-type: none"> <li>• Bachelor's degree in business administration, management, engineering, or industrial technology preferred plus two (2) years of production experience, OR</li> <li>• High school degree or equivalent plus five (5) years of production experience.</li> <li>• Supervisory experience preferred.</li> </ul>

<b>GSA Category/ Commercial Category</b>	<b>SCA Equivalent (if any)</b>	<b>Description</b>	<b>Experience/Education</b>
<b>Production Manager II</b>	N/A	The Production Manager II is responsible for overseeing the production of manufacturing programs in process at LSI. This position will oversee all work in-process and manage the workload.	<ul style="list-style-type: none"> <li>• Bachelor's degree in business administration, management, engineering, or industrial technology preferred plus five (5) years of production experience, OR</li> <li>• High school degree or equivalent plus eight (8) years of production experience.</li> <li>• Supervisory experience required.</li> </ul>
<b>Production Planner</b>	01270 – Production Control Clerk	The Production Planner manages and supervises the planning of project production by performing and monitoring the analysis, design, development, implementation, evaluation, presentation and revision of new and/or modified production planning tools, drawings, shop aids, support and test equipment, and other related documents to meet the contract delivery schedule for training devices and/or other equipment.	<ul style="list-style-type: none"> <li>• Bachelor's degree in a related field preferred or equivalent.</li> <li>• Three (3) years' experience in Project Management, and/or Project Planning, and Estimating.</li> <li>• Three (3) or more years' experience on an LSI Project Production Team preferred.</li> </ul>
<b>Production Supervisor</b>	N/A	The Production Supervisor is responsible for assisting the production manager with the oversight of production processes at LSI. This position will oversee all in-process and proposed workload for assigned projects.	<ul style="list-style-type: none"> <li>• High School diploma or equivalent.</li> <li>• Ten (10) years of experience in prototype and/or production manufacturing.</li> <li>• Must have prior experience in training device production and related manufacturing processes.</li> </ul>
<b>Program Manager I</b>	n/a	Serves as the overall manager and administrator for the contract effort. Acts as the primary interface and point of contact with Government program authorities and representatives on program/project and contract administration issues. Supervises all programs/projects by developing management procedures and controls, planning and directing project execution, and monitoring and reporting progress. Manages and controls all financial and administrative aspects of the program/project with respect to contract requirements.	Bachelor's degree in an engineering, education, or management discipline , Master's Degree preferred , from an accredited college or university and a minimum of six years of general management experience that is directly related to one or more of the systems covered under the contract for which employed. PMP Certification preferred.

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<b>Program Manager II</b>	n/a	Serves as the overall manager and administrator for the contract effort. Acts as the primary interface and point of contact with Government program authorities and representatives on program/project and contract administration issues. Supervises all programs/projects by developing management procedures and controls, planning and directing project execution, and monitoring and reporting progress. Manages and controls all financial and administrative aspects of the program/project with respect to contract requirements.	Bachelor's degree in an engineering, education, or management discipline , Master's Degree preferred , from an accredited college or university and a minimum of ten years of general management experience that is directly related to one or more of the systems covered under the contract for which employed. PMP Certification preferred
<b>Program Manager III</b>	n/a	Serves as the overall manager and administrator for the contract effort. Acts as the primary interface and point of contact with Government program authorities and representatives on program/project and contract administration issues. Supervises all programs/projects by developing management procedures and controls, planning and directing project execution, and monitoring and reporting progress. Manages and controls all financial and administrative aspects of the program/project with respect to contract requirements.	Bachelor's degree in an engineering, education, or management discipline , Master's Degree preferred , from an accredited college or university and a minimum of 15 years of general management experience that is directly related to one or more of the systems covered under the contract for which employed. PMP Certification preferred
<b>Program Manager I – Aviation</b>	N/A	The Program Manager I – Aviation serves as the overall manager and administrator for the contract effort. Acts as the primary interface and point of contact with Government program authorities and representatives on program/project and contract administration issues. Supervises all programs/projects by developing management procedures and controls, planning and directing project execution, and monitoring and reporting progress. Manages and controls all financial and administrative aspects of the program/project with respect to contract requirements.	<ul style="list-style-type: none"> <li>• Bachelors' Degree with a management emphasis preferred, or Bachelors' diploma plus two (2) years program management experience.</li> <li>• Must have been a rated Instructor Aviator, Naval Flight Officer, Navigator or equivalent in the DOD.</li> </ul>

<b>GSA Category/ Commercial Category</b>	<b>SCA Equivalent (if any)</b>	<b>Description</b>	<b>Experience/Education</b>
<b>Program Manager I – Aviation Maintenance</b>	N/A	The Program Manager I – Aviation Maintenance serves as the overall manager and administrator for the contract effort. Acts as the primary interface and point of contact with Government program authorities and representatives on program/project and contract administration issues. Supervises all programs/projects by developing management procedures and controls, planning and directing project execution, and monitoring and reporting progress. Manages and controls all financial and administrative aspects of the program/project with respect to contract requirements.	<ul style="list-style-type: none"> <li>• Bachelors' Degree with a management emphasis preferred with two (2) years program management experience.</li> <li>• Must have been a designated Aviation Maintenance Officer or Senior Aviation Maintenance Staff NCO in the DOD.</li> </ul>
<b>Program Manager II – Aviation</b>	N/A	The Program Manager II – Aviation serves as the overall manager and administrator for the contract effort. Acts as the primary interface and point of contact with Government program authorities and representatives on program/project and contract administration issues. Supervises all programs/projects by developing management procedures and controls, planning and directing project execution, and monitoring and reporting progress. Manages and controls all financial and administrative aspects of the program/project with respect to contract requirements.	<ul style="list-style-type: none"> <li>• Bachelors' Degree with a management emphasis preferred, or Bachelors' diploma plus four (4) years program management experience.</li> <li>• Must have been a rated Instructor Aviator, Naval Flight Officer, Navigator or equivalent in the DOD.</li> </ul>
<b>Program Manager II – Aviation Maintenance</b>	N/A	The Program Manager II – Aviation Maintenance Serves as the overall manager and administrator for the contract effort. Acts as the primary interface and point of contact with Government program authorities and representatives on program/project and contract administration issues. Supervises all programs/projects by developing management procedures and controls, planning and directing project execution, and monitoring and reporting progress. Manages and controls all financial and administrative aspects of the program/project with respect to contract requirements.	<ul style="list-style-type: none"> <li>• Bachelors' Degree with a management emphasis preferred with four (4) years program management experience.</li> <li>• Must have been a designated Aviation Maintenance Officer or Senior Aviation Maintenance Staff NCO in the DOD.</li> </ul>

<b>GSA Category/ Commercial Category</b>	<b>SCA Equivalent (if any)</b>	<b>Description</b>	<b>Experience/Education</b>
<b>Program Manager III – Aviation</b>	N/A	The Program Manager III – Aviation serves as the overall manager and administrator for the contract effort. Acts as the primary interface and point of contact with Government program authorities and representatives on program/project and contract administration issues. Supervises all programs/projects by developing management procedures and controls, planning and directing project execution, and monitoring and reporting progress. Manages and controls all financial and administrative aspects of the program/project with respect to contract requirements.	<ul style="list-style-type: none"> <li>• Masters' Degree with a management emphasis preferred, or Bachelors' diploma plus six (6) years program management experience.</li> <li>• Must have been a rated Instructor Aviator, Naval Flight Officer, Navigator or equivalent in the DOD.</li> </ul>
<b>Program Manager III – Aviation Maintenance</b>	N/A	The Program Manager III – Aviation Maintenance serves as the overall manager and administrator for the contract effort. Acts as the primary interface and point of contact with Government program authorities and representatives on program/project and contract administration issues. Supervises all programs/projects by developing management procedures and controls, planning and directing project execution, and monitoring and reporting progress. Manages and controls all financial and administrative aspects of the program/project with respect to contract requirements.	<ul style="list-style-type: none"> <li>• Masters' Degree with a management emphasis preferred, or Bachelors' diploma plus six (6) years program management experience.</li> <li>• Must have been a designated Aviation Maintenance Officer or Senior Aviation Maintenance Staff NCO in the DOD.</li> </ul>
<b>Project Manager I</b>	n/a	Manages and supervises production team personnel performing the analysis, design, development, implementation, evaluation, presentation, and revision of new and/or modified training curricula, simulation software, and technical publications.	Bachelor's Degree from a recognized and accredited university is desirable. Project Manager ("PMP") certification is a plus. OR Two years work experience on an LSI team responsible for developing multimedia for training or a team responsible for the development of data for a series of technical publications.
<b>Project Manager II</b>	n/a	Manages and supervises production team personnel performing the analysis, design, development, implementation, evaluation, presentation, and revision of new and/or modified training curricula, simulation software, and technical publications.	Bachelor's Degree from a recognized and accredited university is desirable. Project Manager ("PMP") certification is a plus. OR Five years work experience on an LSI team responsible for developing multimedia for training or a team responsible for the development of data for a series of technical publications.



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<b>Project Manager III – Aviation Maintenance</b>	N/A	Manages and supervises Maintenance Project team performing technical training of new and/or modified systems during military transition/integration training. The Project Manager will be required to supervise a Maintenance Project Team performing organizational level maintenance and On-the-Job Training (OJT) for specific aircraft platform being supported on the contract.	<ul style="list-style-type: none"> <li>• Bachelors' Degree with a management emphasis preferred, or High School diploma plus six (6) years project management experience.</li> <li>• Must have been a designated Aviation Maintenance Officer or Senior Aviation Maintenance Staff NCO in the DOD.</li> </ul>
<b>Purchaser</b>	n/a	Responsible for purchasing and tracking of Government materials.	High School Diploma or Government Equivalent Diploma plus two years experience with handling Government property.
<b>Purchasing Administrator</b>	N/A	Purchasing Administrator will function as a lead purchasing professional. Focus is on more complex or critical purchases and services as lead purchasing agent. Tracks market conditions, price trends and futures markets for current market surveys. Has a large range of duties to include company and government purchases. Preserves the accreditation of the Contract Purchasing System Review of documentation, follows strict compliance with applicable acquisition laws and regulations, and sets company procedures and policies.	<ul style="list-style-type: none"> <li>• Bachelor's Degree with a business emphasis or equivalent.</li> <li>• Three (3) years purchasing-related experience required. Experience in government purchasing preferred.</li> </ul>
<b>Purchasing Agent I</b>	N/A	<p>The Purchasing Agent I will initiate procurement strategies for the acquisition of goods and services. Will function as an entry-level purchasing professional with the responsibility to commit company funding through generation of purchase contracts.</p> <p>Demonstrates the knowledge and expertise within the procurement life cycle to include evaluations of bids, best value awards, and compliance through file documentation. Follows strict compliance with applicable acquisition laws and regulations.</p>	<ul style="list-style-type: none"> <li>• Associates' Degree with a business emphasis preferred, or high school diploma or equivalent plus two (2) years business experience.</li> <li>• Four (4) years general business experience.</li> <li>• Three (3) years' experience working in a state or government regulated purchasing setting is preferred.</li> </ul>

GSA Category/ Commercial Category	SCA Equivalent (if any)	Description	Experience/Education
<b>Purchasing Agent II</b>	N/A	<p>The Purchasing Agent II will initiate procurement strategies for the acquisition of goods and services. Will function as a mid-level purchasing professional with the responsibility to commit company funding through generation of purchase contracts.</p> <p>Demonstrates the knowledge and expertise within the procurement life cycle to include evaluations of bids, best value awards, and compliance through file documentation.</p> <p>Follows strict compliance with applicable acquisition laws and regulations.</p>	<ul style="list-style-type: none"> <li>• Associates' Degree with a business emphasis preferred, or high school diploma or equivalent plus two (2) years business experience.</li> <li>• Six (6) years general business experience.</li> <li>• Four (4) years' experience working in a state or government regulated purchasing setting is preferred.</li> </ul>
<b>Purchasing Agent III</b>	N/A	<p>The Purchasing Agent III will initiate procurement strategies for the acquisition of goods and services. Will function as an upper-level purchasing professional with the responsibility to commit company funding through generation of purchase contracts.</p> <p>Demonstrates the knowledge and expertise within the procurement life cycle to include evaluations of bids, best value awards, and compliance through file documentation.</p> <p>Follows strict compliance with applicable acquisition laws and regulations.</p>	<ul style="list-style-type: none"> <li>• Associates' Degree with a business emphasis preferred, or high school diploma or equivalent plus two (2) years business experience.</li> <li>• Eight (8) years general business experience.</li> <li>• Five (5) years' experience working in a state or government regulated purchasing setting is preferred.</li> <li>• Four (4) years' purchasing experience with LSI required.</li> </ul>
<b>Purchasing Agent IV</b>	N/A	<p>The Purchasing Agent IV will initiate procurement strategies for the acquisition of goods and services. Will function as an expert-level purchasing professional with the responsibility to commit company funding through generation of purchase contracts.</p> <p>Demonstrates the knowledge and expertise within the procurement life cycle to include evaluations of bids, best value awards, and compliance through file documentation.</p> <p>Follows strict compliance with applicable acquisition laws and regulations. Responsible for training and mentoring Purchasing Agents assigned to the team.</p>	<ul style="list-style-type: none"> <li>• Associates' Degree with a business emphasis preferred, or high school diploma or equivalent plus two (2) years business experience.</li> <li>• Ten (10) years general business experience.</li> <li>• Six (6) years' experience working in a state or government regulated purchasing setting is preferred.</li> <li>• Five (5) years' purchasing experience with LSI required.</li> </ul>

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<b>Purchasing Clerk I</b>	01011 – Accounting Clerk I	Purchasing Clerk I will function as an entry-level purchasing professional. Focus is on routine purchasing requirements for the company. Acts as support staff for purchasing activities including low level buying, expediting, and status updates. Responsible for administering purchasing activities in compliance with the Contract Purchasing System Review (CPSR) procedures, Federal laws and regulations, and company procedures and policies.	<ul style="list-style-type: none"> <li>• Associate's Degree with a business emphasis or High School diploma or equivalent, plus two (2) years of general business experience.</li> <li>• One (1) year general business experience required.</li> </ul>
<b>Purchasing Clerk II</b>	01012 – Accounting Clerk II	Purchasing Clerk II will function as a purchasing professional. Focus is on routine purchasing requirements for the company. Acts as support staff for purchasing activities including low level buying, expediting, and status updates. Responsible for administering purchasing activities in compliance with the Contract Purchasing System Review (CPSR) procedures, Federal laws and regulations, and company procedures and policies.	<ul style="list-style-type: none"> <li>• Associate's Degree with a business emphasis or High School diploma or equivalent, plus two (2) years of general business experience.</li> <li>• Three (3) years general business experience required.</li> </ul>
<b>Purchasing Manager</b>	N/A	Manages a group of purchasers and is responsible for overseeing daily activities. The Purchasing Manager responds to a range of inquiries regarding processes, negotiates terms and conditions with vendors and/or service providers, and will take a proactive approach in reviewing current systems and procedures, making recommendations and implementing changes. Responsible for administering government purchasing in compliance with Contractor's Purchasing System Review (CPSR) procedures, FAR Part 44.	<ul style="list-style-type: none"> <li>• Bachelor's degree with a business emphasis plus six (6) years of experience government purchasing required.</li> <li>• Must have a Certified Purchasing Professional (CPP), Certified Professional Purchasing Manager (CPPM), Certified Purchasing Manager (CPM), or Certified Professional in Supply Management (CPSM) credential(s).</li> </ul>
<b>Quality Assurance Analyst</b>	Quality Control Inspector Code: 99610	Develops, publishes, and implements test plans. Writes and maintains test automation. Develops quality assurance standards. Tracks quality assurance metrics such as defect densities and open defect counts.	Requires a Bachelor's Degree and 2-4 years of experience in technical training and/or technical publications development.

<b>GSA Category/ Commercial Category</b>	<b>SCA Equivalent (if any)</b>	<b>Description</b>	<b>Experience/Education</b>
<b>Quality Assurance Manager</b>	Quality Control Inspector  Code: 99610	Establishes Quality Assurance Policy for all GSA projects. Develops, publishes, and implements test plans. Assigns Quality Assurance Analysts, defines and tracks quality assurance metrics such as defect densities and open defect counts.	Requires a Bachelor's Degree and 4-6 years of experience in technical training and/or technical publications development.
<b>Quality Assurance Specialist</b>	N/A	The Quality Assurance Specialist is responsible for ensuring that all manufacturing products produced by LSI meet the established standards of quality including reliability, usability and performance. Ensures that all work is performed in accordance with the appropriate technical drawings and specifications.	<ul style="list-style-type: none"> <li>• Bachelor's degree in a related field , or AA/AS plus 2 years of related experience, or HS degree plus 4 years of related experience.</li> <li>• Must have three (3) years of Quality Assurance experience with electrical, structural and mechanical systems.</li> <li>• Experience with blueprint reading.</li> <li>• Knowledge of Quality Assurance (QA) tools, concepts and methodologies.</li> <li>• Experience or familiarization with ISO 9001:2008 highly preferred.</li> </ul>
<b>Senior Military Training Analyst</b>	n/a	Responsible for information gathering and detailed analysis of United States Military training systems. Serves as liaison with customers. Makes recommendations to the Program Manager regarding changes to training systems.	<ul style="list-style-type: none"> <li>• Bachelor's Degree in any field.</li> <li>• Master's Degree is preferred.</li> <li>• Must possess at least 20 years of related military work experience in research regarding military training strategy, operations concepts, liaison and coordination with allies, industry and academia,.</li> <li>• Must possess at least 10 years experience in military training.</li> <li>• Must demonstrate the ability to apply emerging doctrine and tactics from formal doctrinal changes and systems design and development.</li> <li>• Must have experience in a senior management role or as an Office in Charge.</li> </ul>

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<b>Senior Program Director</b>	n/a	Responsible for the overall management and supervision of the Program Manager	<ul style="list-style-type: none"> <li>• A Master's Degree and 12 years of experience are required.</li> <li>• Significant experience may be accepted in lieu of the Master's Degree requirement.</li> </ul>
<b>Senior Simulation Program Director</b>	N/A	The Senior Simulation Program Director plans, organizes and directs the efforts of a production department to fulfill federal contracts or company objectives on time and within budget. Directs the production of engineering and software simulation applications for training devices.	<ul style="list-style-type: none"> <li>• Bachelor's degree from an accredited college or university in an Engineering discipline is preferred. Appropriate relevant experience can be substituted for degree.</li> <li>• Ten years' professional experience in the field of engineering. NOTE: One additional year of college above a bachelor's degree may be substituted for one year of professional experience.</li> <li>• Three years' demonstrated supervisory and managerial experience in simulation software and hardware systems research, development, production/acquisition and utilization.</li> </ul>
<b>Sheet Metal Mechanic I</b>	23890 – Sheet-Metal Worker, Maintenance	The Sheet Metal Mechanic I repairs, fabricates, modifies, and installs sheet metal parts, items, and assemblies. Sheet metal mechanic work requires knowledge of the physical properties and working characteristics of sheet metal, knowledge of tools and equipment required in the sheet metal trade, and knowledge of shop mathematics and principles.	<ul style="list-style-type: none"> <li>• High School Diploma or equivalent required.</li> <li>• Three (3) years' experience with a sheet metal mechanic background in commercial or military manufacturing /repair /installations required.</li> </ul>
<b>Sheet Metal Mechanic II</b>	N/A	The Sheet Metal Mechanic II repairs, fabricates, modifies, and installs sheet metal parts, items, and assemblies. Sheet metal mechanic work requires knowledge of the physical properties and working characteristics of sheet metal, knowledge of tools and equipment required in the sheet metal trade, and knowledge of shop mathematics and principles.	<ul style="list-style-type: none"> <li>• High School diploma or equivalent.</li> <li>• Five (5) years' experience with a sheet metal mechanic background in commercial or military manufacturing /repair /installation required.</li> </ul>

<b>GSA Category/ Commercial Category</b>	<b>SCA Equivalent (if any)</b>	<b>Description</b>	<b>Experience/Education</b>
<b>Sheet Metal Mechanic III</b>	N/A	The Sheet Metal Mechanic III performs the repair, fabrication, modification, and installation of sheet metal parts, items, and assemblies. Possesses and routinely displays exceptional leadership skills. Provides technical guidance to lower level technicians.	<ul style="list-style-type: none"> <li>• High school diploma or equivalent.</li> <li>• Seven (7) years' experience with a sheet metal mechanic background in commercial or military manufacturing /repair/ installation required.</li> </ul>
<b>Shipping/Receiving Clerk</b>	General Clerk I Code: 01111	Responsible for shipping and receiving of materials. Assists in tracking of GFE.	High School diploma or Government Equivalent Diploma
<b>Simulation Deputy Program Manager</b>	N/A	The Simulation Deputy Program Manager provides support to the Program Manager or Simulation Program Manager for guidance, direction, and supervision in the areas of requirements integration, training systems development, training assessment, and training systems logistics. The Simulation Deputy Program Manager will assist the Program Manager or Simulation Program Manager to operate in an independent environment and will be responsible for reviewing and approving work performed by contractor program personnel. Each Simulation Deputy Program Manager will serve as the back-up technical point of contact with Government program management and technical personnel on their respective delivery order(s).	<ul style="list-style-type: none"> <li>• Bachelor's degree in engineering or technical discipline, or equivalent. Graduate degree preferred.</li> <li>• Five (5) years project management experience directly related to simulation and/or software development.</li> </ul>

GSA Category/ Commercial Category	SCA Equivalent (if any)	Description	Experience/Education
<b>Simulation Electrical Technician I</b>	23181 – Electronics Technician Maintenance I	<p>The Simulation Electrical Technician I performs at the entry level. Work involves the performance of basic entry level manufacturing task on electrical systems. Work involves performance of a variety of basic electrical tasks that support the efficient and safe operation of the electrical manufacturing effort. Work is primarily electrical in nature but may include some minor mechanical duties. Work assignments include the independent performance of basic electrical tasks, inspection of the operating conditions and performance of electrical equipment and systems, installation of basic electrical components and circuits, and assisting others in performing intermediate and advanced manufacturing tasks on electrical equipment and systems. Work also involves executing specific instructions from Level II or Level III Electricians or Supervisor. Work is inspected while in progress and upon completion for quality, effectiveness and safety.</p>	<ul style="list-style-type: none"> <li>• High school diploma or equivalent required.</li> <li>• At least three (3) years related experience required.</li> <li>• Experience with simulation electrical systems preferred.</li> </ul>



<b>GSA Category/ Commercial Category</b>	<b>SCA Equivalent (if any)</b>	<b>Description</b>	<b>Experience/Education</b>
<b>Simulation Electrical Technician II</b>	23182 – Electronics Technician Maintenance II	The Simulation Electrical Technician level II performs intermediate level tasks to include, manufacturing, predictive, and corrective tasks on electrical equipment systems. Work involves performance of a variety of intermediate level maintenance tasks that directly support the efficient and safe operation of manufactured electrical systems and circuitry. Work is primarily electrical in nature but may include some simulation and mechanical duties. Work assignments include the independent performance of intermediate level tasks to include, inspection of operating systems and performance of electrical equipment and systems, installation of electrical components and circuits, intermediate level troubleshooting and corrective actions, and assisting others in performing advanced corrective tasks on electrical equipment and systems. Work also involves executing specific instructions from Level III Electricians or Supervisor. All work is inspected while in progress and upon completion for quality, effectiveness and safety.	<ul style="list-style-type: none"> <li>• High school diploma or equivalent required.</li> <li>• At least five (5) years related experience required.</li> <li>• Experience with simulation electrical systems preferred.</li> </ul>
<b>Simulation Electrical Technician III</b>	23183 – Electronics Technician Maintenance III	The Simulation Electrical Technician III performs advanced level manufacturing tasks to include inspection of operational systems, performance level run up of electrical equipment and systems, installation of electrical components and control circuits, advanced level troubleshooting, and assisting others in performing manufacturing, and installation tasks on electrical equipment and systems. Trains and mentors other Electricians on the team.	<ul style="list-style-type: none"> <li>• High school diploma or equivalent required.</li> <li>• Seven (7) years related experience required.</li> <li>• Experience with simulation electrical systems is preferred.</li> </ul>
<b>Simulation Machinist I</b>	23550 – Machinist, Maintenance	The Simulation Machinist I is a novice level position that performs hand and machine operations to cut, form, fit, assemble, and install various metals, plastics and composites used in the manufacturing, repair, and modification of simulation systems.	<ul style="list-style-type: none"> <li>• High school diploma or equivalent required.</li> <li>• A minimum of two years' experience of related experience required.</li> <li>• A background in commercial or military simulation manufacturing/repair/installation is preferred.</li> </ul>

<b>GSA Category/ Commercial Category</b>	<b>SCA Equivalent (if any)</b>	<b>Description</b>	<b>Experience/Education</b>
<b>Simulation Machinist II</b>	N/A	The Simulation Machinist II is an intermediate level position that performs hand and machine operations to cut, form, fit, assemble, and install various metals, plastics and composites used in the manufacturing, repair, and modification of training systems.	<ul style="list-style-type: none"> <li>• High school diploma or equivalent required.</li> <li>• A minimum of two (2) years' experience as a Machinist I.</li> <li>• A background in commercial or military aircraft manufacturing/repair/installation is preferred.</li> </ul>
<b>Simulation Machinist III</b>	N/A	The Simulation Machinist III is a senior level position that performs hand and machine operations to cut, form, fit, assemble, and install various metals, plastics and composites used in the manufacturing, repair, and modification of training systems.	<ul style="list-style-type: none"> <li>• High school diploma or equivalent required.</li> <li>• A minimum of seven (7) years' experience as a Machinist II.</li> <li>• A background in commercial or military simulation manufacturing/repair/installation is preferred.</li> </ul>
<b>Simulation Program Manager I</b>	N/A	The Simulation Program Manager I serves as the manager and administrator for the contract effort. Acts as the primary interface and point of contact with Government program authorities and representatives on program/project and contract administration issues. Supervises all programs/projects by developing management procedures and controls, planning and directing project execution, and monitoring and reporting progress. Manages and controls all financial and administrative aspects of the program/project with respect to contract requirements.	<ul style="list-style-type: none"> <li>• Bachelor's degree in engineering or technical discipline, or equivalent. Graduate degree preferred. Appropriate relevant experience can be substituted for degree.</li> <li>• Eight (8) years project management experience directly related to simulation and/or software development.</li> </ul>
<b>Simulation Program Manager II</b>	N/A	The Simulation Program Manager II serves as the senior manager and administrator for the contract effort. Acts as the primary interface and point of contact with Government program authorities and representatives on program/project and contract administration issues. Supervises all programs/projects by developing management procedures and controls, planning and directing project execution, and monitoring and reporting progress. Manages and controls all financial and administrative aspects of the program/project with respect to contract requirements.	<ul style="list-style-type: none"> <li>• Bachelor's degree in engineering or technical discipline, or equivalent. Graduate degree preferred.</li> <li>• Ten (10) years project management experience directly related to simulation and/or software development.</li> </ul>

<b>GSA Category/ Commercial Category</b>	<b>SCA Equivalent (if any)</b>	<b>Description</b>	<b>Experience/Education</b>
<b>Simulation Project Manager</b>	n/a	Manages one or more simulation projects. Has primary responsibility for project estimating, cost tracking, schedule and deliverables.	A Bachelor's degree and 2 years experience are required.
<b>Simulation Project Manager III</b>	N/A	The Simulation Project Manager III is responsible for the day-to-day tactical duties for a highly complex Simulation program or group of programs. The Sim PM II is accountable to oversee results of multi-functional project teams. The Simulation Project Manager III is responsible for the administrative/operational leadership of a project within the program guidelines set by the Simulation Program Manager and customer.	<ul style="list-style-type: none"> <li>• A Bachelor's Degree with emphasis in Business, Engineering, Computer Science, or equivalent experience is required.</li> <li>• A minimum of eight (8) years' Project Management experience and seven (7) years of technical experience is required.</li> </ul>
<b>Simulation Quality Assurance Analyst I</b>	Quality Control Inspector Code: 99610	Develops, publishes, and implements test plans. Writes and maintains test automation. Develops quality assurance standards. Defines and tracks quality assurance metrics such as defect densities and open defect counts.	Requires a Bachelor's Degree and 2-4 years of experience coding in C, C++, and Java. Must have a working knowledge of quality assurance methodologies. Familiar with NT, UNIX and/or Solaris environments.
<b>Simulation Quality Assurance Analyst II</b>	Quality Control Inspector Code: 99610	Develops, publishes, and implements test plans. Writes and maintains test automation. Develops quality assurance standards. Defines and tracks quality assurance metrics such as defect densities and open defect counts.	Requires a Bachelor's Degree and at least 5 -7 years of experience coding in C, C++, and Java. Must have a working knowledge of quality assurance methodologies. Familiar with NT, UNIX and/or Solaris environments.
<b>Simulation Quality Assurance Analyst III</b>	Quality Control Inspector Code: 99610	Develops, publishes, and implements test plans. Writes and maintains test automation. Develops quality assurance standards. Defines and tracks quality assurance metrics such as defect densities and open defect counts.	Requires a Bachelor's Degree and at least 8 - 10 years of experience coding in C, C++, and Java. Must have a working knowledge of quality assurance methodologies. Familiar with NT, UNIX and/or Solaris environments.
<b>Simulation Technician I</b>	Electronics Technician Maintenance I Code: 23181	Entry level position for simulation device operator and maintainer.	High School Diploma or Government Equivalent Diploma plus three years related experience.
<b>Simulation Technician II</b>	Electronics Technician Maintenance II Code: 23182	Intermediate level position for simulation device operator and maintainer.	High School Diploma or Government Equivalent Diploma plus five years related experience.

<b>GSA Category/ Commercial Category</b>	<b>SCA Equivalent (if any)</b>	<b>Description</b>	<b>Experience/Education</b>
<b>Site Manager</b>	N/A	Manages production team personnel located at a remote site (not at LSI HQ) performing the analysis, design, development, presentation, and revision of new and/or modified operational training curricula and/or technical publications or production of simulation devices. In addition, manages the LSI staff at a remote site. Serves as the senior LSI representative at that remote site.	Bachelor's Degree in management, business or technical field preferred. Two years Project Management experience (military or other management experience may be an acceptable substitute). Appropriate relevant experience can be substituted for degree.
<b>SME- Aviator I</b>	Aircrew Training Devices Instructor (rated) Code: 15020	Serves as a Subject Matter Expert (SME) during flight courseware product development, testing, initial delivery or revision and maintenance (R&M) programs for new or modified military doctrine, systems or subsystems or support systems. Provides subject matter expertise to design and develop courseware or conduct aviation training for defined areas of military expertise in accordance with contractual specifications, standards, and instructions.	Bachelor's Degree in any discipline from an accredited college or university, unless incumbent is a former Army Warrant Officer. Four years of experience as a Pilot, Naval Flight Officer, TACCO, or Navigator. Additional flight hours, qualifications or experience as required by the contract position.
<b>SME- Aviator II</b>	Aircrew Training Devices Instructor (rated) Code: 15020	Serves as a Subject Matter Expert (SME) during flight courseware product development, testing, initial delivery or revision and maintenance (R&M) programs for new or modified military doctrine, systems or subsystems or support systems. Provides subject matter expertise to design and develop courseware or conduct aviation training for defined areas of military expertise in accordance with contractual specifications, standards, and instructions.	Bachelor's Degree in any discipline from an accredited college or university, unless incumbent is a former Army Warrant Officer. Four years of experience as a Pilot, Naval Flight Officer, TACCO, or Navigator. Additional flight hours, qualifications or experience as required by the contract position. Must have at least two years experience in working in an IPT environment as a SME Aviator and able to perform all required tasks with minimum supervision.
<b>SME- Aviator III</b>	Aircrew Training Devices Instructor (rated) Code: 15020	Serves as a Subject Matter Expert (SME) during flight courseware product development, testing, initial delivery or revision and maintenance (R&M) programs for new or modified military doctrine, systems or subsystems or support systems. Provides subject matter expertise to design and develop courseware or conduct aviation training for defined areas of military expertise in accordance with contractual specifications, standards, and instructions.	Bachelor's Degree in any discipline from an accredited college or university, unless incumbent is a former Army Warrant Officer. Four years of experience as a Pilot, Naval Flight Officer, TACCO, or Navigator. Additional flight hours, qualifications or experience as required by the contract position. Must have at least six years experience in working in an IPT environment as a SME Aviator and able to perform all required tasks with minimum supervision.

GSA Category/ Commercial Category	SCA Equivalent (if any)	Description	Experience/Education
<b>SME Aviator III-SQ</b>	N/A	Serves as a Subject Matter Expert (SME) during flight courseware product development, testing, delivery or revision and maintenance (R&M) programs for new or modified military doctrine, systems or subsystems or support systems. Provides subject matter expertise to design and develop courseware or conduct aviation training for defined areas of military expertise in accordance with contractual specifications, standards, and instructions.	<ul style="list-style-type: none"> <li>• Bachelor's Degree in any discipline from an accredited college or university, unless incumbent is a former Army Warrant Officer. Four years of experience as a Pilot, Naval Flight Officer, TACCO, or Navigator or equivalent. Designated an Instructor by equivalent service designation. Additional flight hours, qualifications or experience as required by the contract position.</li> </ul>
<b>SME Tech/Operator I – Aviation Maintenance</b>	N/A	The SME Tech/Operator I – AM will work as a member of a Maintenance Project Team performing technical training of new and/or modified systems during military transition/integration training. The SME will be required to serve as a member of a Maintenance Project Team performing organizational level maintenance and On-the-Job Training (OJT) for specific aircraft platform being supported on the contract.	<ul style="list-style-type: none"> <li>• High School graduate or GED equivalent.</li> <li>• Navy Class A-School graduate or equivalent</li> <li>• Center for Naval Aviation Technical Training Unit (CNATTU) Platform Specific Organizational Maintenance, Initial course graduate, with a Navy Enlisted Classification (NEC) appropriate to specific aircraft or equivalent.</li> <li>• Candidate should have a minimum of four years' experience.</li> <li>• Qualified Maintenance Phase I Apprentice <ul style="list-style-type: none"> <li>◦ Designated as a Fuel Sampler, Wing Walker, Brake Rider, and Aircraft Handler (or as required for specific aircraft)</li> </ul> </li> <li>• Qualified platform specific Maintenance Phase II Apprentice</li> <li>• Designated as an Apprentice</li> <li>• Must be eligible for a SECRET security clearance.</li> <li>• Must be able to pass an employee's compliance physical.</li> <li>• Must be able to operate job specific and common support equipment.</li> <li>• May require shift work or work outside of normal working hours due to contract requirements.</li> </ul>

GSA Category/ Commercial Category	SCA Equivalent (if any)	Description	Experience/Education
<b>SME Tech/Operator II – Aviation Maintenance</b>	N/A	The SME Tech/Operator II – AM will work as a member of a Maintenance Project Team performing technical training of new and/or modified systems during military transition/integration training. The SME will be required to serve as a member of a Maintenance Project Team performing organizational level maintenance and On-the-Job Training (OJT) for specific aircraft platform being supported on the contract.	<ul style="list-style-type: none"> <li>• High School graduate or GED equivalent.</li> <li>• Navy Class A-School graduate or equivalent</li> <li>• Center for Naval Aviation Technical Training Unit (CNATTU) Initial and Career course graduate, with a Navy Enlisted Classification (NEC) code appropriate to specific aircraft or equivalent</li> <li>• Candidate should have a minimum of six years' experience.</li> <li>• Qualified Maintenance Phase I Journeyman</li> <li>• Qualified Maintenance Phase II Journeyman</li> <li>• Designated as a Daily Inspector</li> <li>• Qualified Maintenance Phase III Journeyman <ul style="list-style-type: none"> <li>○ Designated as a Work Center Supervisor and Collateral Duty Inspector</li> </ul> </li> <li>• Must be eligible for a SECRET security clearance.</li> <li>• Must be able to pass an employee's compliance physical.</li> <li>• Must be able to operate job specific and common support equipment.</li> <li>• May require shift work or work outside of normal working hours due to contract requirements.</li> </ul>
<b>SME Tech/Operator III</b>	N/A	Serves as a practiced Subject Matter Expert (SME) during maintenance or technical operator courseware development, testing, delivery or revision and maintenance (R&M) programs for new or modified military doctrine, systems or subsystems or support systems. Provides subject matter expertise to design and develop courseware or conduct training for defined areas of military expertise in accordance with contract specifications, standards, and instructions.	High School Graduate or GED equivalent with at least 10 years of experience directly related to the area of expertise in the maintenance or operation of systems or subsystems.

GSA Category/ Commercial Category	SCA Equivalent (if any)	Description	Experience/Education
<b>SME Tech/Operator III – Aviation Maintenance</b>	N/A	The SME Tech/Operator III will work as a member or leader of a Maintenance Project Team performing technical training of new and/or modified systems during military transition/integration training. The SME will be required to serve as a member of a Maintenance Project Team performing organizational level maintenance and On-the-Job Training (OJT) for specific aircraft platform being supported on the contract.	<ul style="list-style-type: none"> <li>• High School graduate or GED equivalent.</li> <li>• Navy Class A-School graduate or equivalent</li> <li>• Center for Naval Aviation Technical Training Unit (CNATTU) Organizational Maintenance (Initial and Career) course graduate, with a Navy Enlisted Classification (NEC) code appropriate to specific aircraft or equivalent</li> <li>• Candidate should have a minimum of ten years' experience.</li> <li>• Qualified Maintenance Master <ul style="list-style-type: none"> <li>○ Designated as a Quality Assurance Representative and Maintenance Control/Safe-for-Flight</li> </ul> </li> <li>• Must be eligible for a SECRET security clearance.</li> <li>• Must be able to pass an employee's compliance physical.</li> <li>• Must be able to operate job specific and common P-3C support equipment.</li> <li>• May require shift work or work outside of normal working hours due to contract requirements.</li> </ul>
<b>SME Technician/Operator I</b>	Engineering Technician VI Code: 30086	Serves as a Subject Matter Expert (SME) during technician or operator courseware product development, testing, initial delivery or revision and maintenance (R&M) programs for new or modified military doctrine, systems or subsystems or support systems. Provides subject matter expertise to design and develop courseware or conduct technician or operator training for defined areas of military expertise in accordance with contractual specifications, standards, and instructions.	High School Graduate or GED equivalent with at least four years of experience directly related to the area of expertise in the maintenance or operation of systems or subsystems.



<b>GSA Category/ Commercial Category</b>	<b>SCA Equivalent (if any)</b>	<b>Description</b>	<b>Experience/Education</b>
<b>SME Technician/Operator II</b>	Engineering Technician VI Code: 30086	Serves as a practiced Subject Matter Expert (SME) during maintenance or technical operator courseware development, testing, initial delivery or revision and maintenance (R&M) programs for new or modified military doctrine, systems or subsystems or support systems. Provides subject matter expertise to design and develop courseware or conduct training for defined areas of military expertise in accordance with contractual specifications, standards, and instructions.	High School Graduate or GED equivalent with at least four years of experience directly related to the area of expertise in the maintenance or operation of systems or subsystems. Must have 2 years experience in working in an IPT environment as a Subject Matter Expert-Technician/Operator I.
<b>SME Technician/Operator III</b>	Computer Systems Analyst III Code: 14103	Serves as a practiced Subject Matter Expert (SME) during maintenance or technical operator courseware development, testing, initial delivery or revision and maintenance (R&M) programs for new or modified military doctrine, systems or subsystems or support systems. Provides subject matter expertise to design and develop courseware or conduct training for defined areas of military expertise in accordance with contractual specifications, standards, and instructions.	High School Graduate or GED equivalent with at least 10 years of experience directly related to the area of expertise in the maintenance or operation of systems or subsystems. Must have 8 years experience in working in an IPT environment as a Subject Matter Expert-Technician/Operator I.
<b>Software Engineer I</b>	Computer Programmer I Code: 14071	Performs entry level software analysis, design, and implementation of user-computer interfaces for training devices and systems developed for operator and maintenance training.	Two or four year Degree in a Computer or Engineering major is preferred, but may be substituted with 2 years of Programming/Engineering experience
<b>Software Engineer II</b>	Computer Programmer II Code: 14072	Performs intermediate level software analysis, design, and implementation of user-computer interfaces for training devices and systems developed for operator and maintenance training.	Bachelors or advanced Degree in Computer or Engineering Sciences with two years related experience, -or- High School Diploma or equivalent with five total years experience in a programming/engineering field will also be considered.
<b>Software Engineer III</b>	Computer Programmer III Code: 14073	Senior software engineer that is responsible for the overall software analysis, design and implementation of a simulation project.	A Bachelor's Degree and 6 years progressive experience with software design. Must have experience in hardware software interfacing. Will have experience with MIL-STD-498 documentation.

<b>GSA Category/ Commercial Category</b>	<b>SCA Equivalent (if any)</b>	<b>Description</b>	<b>Experience/Education</b>
<b>Software Engineer IV</b>	Computer Programmer IV Code: 14074	Senior software engineer that is responsible for the overall software analysis, design and implementation of one or more projects.	A Master's Degree and 8 years progressive experience with software design. Must have experience in hardware / software interfacing. Will have experience with MIL-STD-498 documentation.
<b>Subject Matter Expert-Aviator I</b>	Aircrew Training Devices Instructor (rated) Code: 15020	Serves as a Subject Matter Expert (SME) during flight courseware product development, testing, initial delivery or revision and maintenance (R&M) programs for new or modified military doctrine, systems or subsystems or support systems. Provides subject matter expertise to design and develop courseware or conduct aviation training for defined areas of military expertise in accordance with contractual specifications, standards, and instructions.	Bachelor's Degree in any discipline from an accredited college or university, unless incumbent is a former Army Warrant Officer. Four years of experience as a Pilot, Naval Flight Officer, TACCO, or Navigator. Additional flight hours, qualifications or experience as required by the contract position.
<b>Subject Matter Expert-Aviator II</b>	Aircrew Training Devices Instructor (rated) Code: 15020	Serves as a Subject Matter Expert (SME) during flight courseware product development, testing, initial delivery or revision and maintenance (R&M) programs for new or modified military doctrine, systems or subsystems or support systems. Provides subject matter expertise to design and develop courseware or conduct aviation training for defined areas of military expertise in accordance with contractual specifications, standards, and instructions.	Bachelor's Degree in any discipline from an accredited college or university, unless incumbent is a former Army Warrant Officer. Four years of experience as a Pilot, Naval Flight Officer, TACCO, or Navigator. Additional flight hours, qualifications or experience as required by the contract position. Must have at least two years experience in working in an IPT environment as a SME Aviator and able to perform all required tasks with minimum supervision.
<b>Supply and Property Supervisor</b>	N/A	Performs duties consistent with Property and Asset Management activities to include acquisition, disposition, transfer, and turn-in of government property. Serves as the lead point of contact for internal and external property audits. Trains and develops the warehouse and supply personnel to effectively utilize the ERP system.	<ul style="list-style-type: none"> <li>• Bachelor's Degree in a related field or equivalent desired</li> <li>• Two (2) years Government Property/Warehousing Control experience</li> <li>• Previous experience in a supervisory or lead role</li> </ul>

GSA Category/ Commercial Category	SCA Equivalent (if any)	Description	Experience/Education
<b>Supply Chain Specialist I</b>	N/A	The Supply Chain Specialist I will perform entry level duties in order to expedite the flow of material and parts. Ensures that supplies and inventory are ordered, received, replenished, and kept at appropriate levels. Participates in new and standard part number creation. Monitors inventory levels to ensure consistency with forecasted demand and inventory goals for common stock items. Participates in the disposition of non-conforming material. Arranges for reservation and transfer of materials to meet production schedules.	<ul style="list-style-type: none"> <li>• Associate's Degree with a business emphasis or equivalent, plus one (1) year general business experience.</li> <li>• Three (3) years planning, purchasing, inventory control experience required</li> <li>• Four (4) years' experience working in a state or government regulated purchasing and property controlled setting is preferred.</li> </ul>
<b>Supply Chain Specialist II</b>	N/A	The Supply Chain Specialist II will perform mid-level duties in order to expedite the flow of material and parts. Ensures that supplies and inventory are ordered, received, replenished, and kept at appropriate levels. Participates in new and standard part number creation. Monitors inventory levels to ensure consistency with forecasted demand and inventory goals for common stock items. Participates in the disposition of non-conforming material. Arranges for reservation and transfer of materials to meet production schedules.	<ul style="list-style-type: none"> <li>• Associates' Degree with a business emphasis preferred, or high school diploma or equivalent plus two (2) years business experience.</li> <li>• Six (6) years planning, purchasing, inventory control experience required</li> <li>• Four (4) years' experience working in a state or government regulated purchasing and property controlled setting is preferred.</li> </ul>
<b>Supply Chain Specialist III</b>	N/A	The Supply Chain Specialist III will perform advanced-level duties in order to expedite the flow of material and parts. Ensures that supplies and inventory are ordered, received, replenished, and kept at appropriate levels. Participates in new and standard part number creation. Monitors inventory levels to ensure consistency with forecasted demand and inventory goals for common stock items. Participates in the disposition of non-conforming material. Arranges for reservation and transfer of materials to meet production schedules.	<ul style="list-style-type: none"> <li>• Associates' Degree with a business emphasis preferred, or high school diploma or equivalent plus two (2) years business experience.</li> <li>• Six (6) years planning, purchasing, inventory control experience required</li> <li>• Four (4) years' experience working in a state or government regulated purchasing and property controlled setting is preferred.</li> <li>• Four (4) years' planning, purchasing, or supply chain experience with LSI required.</li> </ul>

GSA Category/ Commercial Category	SCA Equivalent (if any)	Description	Experience/Education
<b>Supply Specialist I</b>	01410 – Supply Technician	The Supply Specialist I will serve as a point of contact for coordinating receipts, inventory, storage, and issuance of equipment, materials, parts, and supplies in the warehouse and other logistics storage locations. Enters and manages data for the movement of all supplies and equipment within LSI's Enterprise Resource Planning (ERP) system. Maintains efficient warehouse operations to ensure that the company ships and receives vital stock in time to meet production schedules. Functions as a custodian to safeguard and administer government-furnished and customer-acquired equipment, property, and assets.	<ul style="list-style-type: none"> <li>• High School Diploma or equivalent</li> <li>• Three (3) years' experience in the area of logistics, supply, warehousing, inventory, or government property is desired.</li> </ul>
<b>Supply Specialist II</b>	N/A	The Supply Specialist II will serve as a central point of contact for coordinating receipts, inventory, storage, and issuance of equipment, materials, parts, and supplies in the warehouse and other logistics storage locations. Validates the entry and management of data for the movement of all supplies and equipment within LSI's Enterprise Resource Planning (ERP) system. Maintains efficient warehouse operations to ensure that the company ships and receives vital stock in time to meet production schedules. Functions as a designated custodian to safeguard and administer government-furnished and customer-acquired equipment, property, and assets.	<ul style="list-style-type: none"> <li>• High School Diploma or equivalent</li> <li>• Five (5) years' experience in the area of logistics, supply, warehousing, inventory, or government property is desired.</li> </ul>

<b>GSA Category/ Commercial Category</b>	<b>SCA Equivalent (if any)</b>	<b>Description</b>	<b>Experience/Education</b>
<b>Supply Specialist III</b>	N/A	The Supply Specialist III will serve as the central point of contact for coordinating receipts, inventory, storage, and issuance of equipment, materials, parts, and supplies in the warehouse and other logistics storage locations. Approves entries and manages data for the movement of all supplies and equipment within LSI's Enterprise Resource Planning (ERP) system. Manages efficient warehouse operations to ensure that the company ships and receives vital stock in time to meet production schedules. Functions as a designated custodian to safeguard and administer government-furnished and customer-acquired equipment, property, and assets. Trains and mentors other Supply Specialists assigned to the team	<ul style="list-style-type: none"> <li>• High School Diploma or equivalent</li> <li>• Seven (7) years' experience in the area of logistics, supply, warehousing, inventory, or government property is desired.</li> <li>• Four (4) experience with LSI supply processes required.</li> </ul>
<b>Systems Engineer I</b>	N/A	The Systems Engineer I is an entry level position that performs solution development and design and implementation of real-time software and hardware systems for operator and maintenance training devices.	<ul style="list-style-type: none"> <li>• Bachelor's degree in an engineering major; or</li> <li>• Bachelor's degree in Computer Science with two (2) years' experience in systems engineering; or</li> <li>• High school diploma or equivalent and six (6) years' experience in systems engineering.</li> <li>• Advanced degree in engineering is preferred.</li> </ul>
<b>Systems Engineer II</b>	N/A	The Systems Engineer II performs customer requirements analysis, solution development, and design and implementation of real-time software and hardware systems for operator and maintenance training devices.	<ul style="list-style-type: none"> <li>• Bachelor's degree in an engineering major and five (5) years' experience in systems engineering; or</li> <li>• Bachelor's degree in Computer Science with seven (7) years' experience in systems engineering; or</li> <li>• High school diploma or equivalent and eleven (11) years' experience in systems engineering.</li> <li>• Advanced degree in engineering is preferred.</li> </ul>

<b>GSA Category/ Commercial Category</b>	<b>SCA Equivalent (if any)</b>	<b>Description</b>	<b>Experience/Education</b>
<b>Systems Engineer III</b>	N/A	The Systems Engineer III performs customer requirements analysis, solution development, and advanced design and implementation of real-time software and hardware systems for operator and maintenance training devices. Trains and mentors other Systems Engineers. The Systems Engineer III provides leadership and mentors more junior level systems engineers.	<ul style="list-style-type: none"> <li>• Bachelor's degree in an engineering major and eight (8) years' experience in systems engineering; or</li> <li>• Bachelor's degree in Computer Science with ten (10) years' experience in systems engineering; or</li> <li>• High school diploma or equivalent and fourteen (14) years' experience in systems engineering.</li> <li>• Advanced degree in engineering is preferred.</li> </ul>
<b>Technical Librarian</b>	Library IT System Administration Code: 13054	Organizes, files, catalogues, stores and monitors distribution of books, periodicals, newspapers, microfiche and electronic documents. Researches need for and locates new data sources or books.	May require a Bachelor's Degree in area of specialty and 0-2 years of experience in the field or in a related area. Has knowledge of commonly-used concepts, practices, and procedures within a particular field. Relies on instructions and pre-established guidelines to perform the functions of the job.
<b>Technical Manual Developer I</b>	Technical Writer I Code: 30461	Incorporates approved technical data into technical publications.	High School Graduate or equivalent and completion of a Technical School/Trade School, or Advanced Armed Services Technical School curriculum are preferred.
<b>Technical Manual Developer II</b>	Technical Writer II Code: 30462	Researches technical data, develops and revises technical publications, and provides guidance and mentoring to other Manual Developers.	High School Graduate or equivalent and completion of a Technical School/Trade School, or advanced Armed Services Technical School curriculum. A minimum of at least five years general office experience is required with three of the five years shall have been developing technical publications.
<b>Tools/Parts Attendant</b>	21210 – Tools and Parts Attendant	The Tools and Parts Attendant conducts tool inspections, signs for equipment, materials and tools, and manages data in direct support of property accountability and traceability. The Tools and Parts Attendant prepares and submits requisition data forms as necessary to support inventory levels.	<ul style="list-style-type: none"> <li>• High School Diploma or equivalent.</li> <li>• One (1) year experience in the area of tool control.</li> </ul>

GSA Category/ Commercial Category	SCA Equivalent (if any)	Description	Experience/Education
<b>Videographer</b>	n/a	Prepares and conducts on-site and off-site still and video shoots of various instructional media design elements for incorporation into multimedia training materials.	<p>High School Graduate or GED completion and/or completion of a course of study in fine art, drafting, mechanical drawing, engineering drawing, graphic design, or photography from an accredited trade school is preferred.</p> <p>Five years experience in designing, producing, and editing video productions utilizing commercial off-the-shelf software. Three years experience in the field of training program analysis, design, development and evaluation with an emphasis in interactive video applications. This requirement may be inclusive of the five-year requirement previously specified above. In lieu of experience, a Bachelor's Degree in an art related field, graphic design, or photography may be substituted.</p>
<b>Warehouse Clerk I</b>	21410 – Warehouse Specialist	The Warehouse Clerk I ensures all incoming parts and materials are received, issued, and entered into the DELTEK Costpoint. Supports efficient warehouse operations to ensure that the company ships and receives vital stock in time to meet production schedules. Supports best warehouse operating procedures and maintains neat appearance and performs replenishment methods appropriately. Maintains current inventory levels, inventory count, safe storage, and reconciles stock count to computer-generated reports to ensure inventory accuracy.	<ul style="list-style-type: none"> <li>• High School Diploma or equivalent.</li> <li>• Previous warehouse experience is a plus.</li> <li>• Possess a Valid Driver's License.</li> <li>• Ability to obtain certification and operate forklift and scissor lift.</li> <li>• Deltek experience preferred.</li> </ul>



<b>GSA Category/ Commercial Category</b>	<b>SCA Equivalent (if any)</b>	<b>Description</b>	<b>Experience/Education</b>
<b>Warehouse Clerk II</b>	N/A	The Warehouse Clerk II ensures all incoming parts and materials are received, issued, and entered into the DELTEK Costpoint. Maintains efficient warehouse operations to ensure that the company ships and receives vital stock in time to meet production schedules. Applies best warehouse operating procedures and maintains neat appearance and performs replenishment methods appropriately. Maintains current inventory levels, inventory count, safe storage, and reconciles stock count to computer-generated reports to ensure inventory accuracy.	<ul style="list-style-type: none"> <li>• High School Diploma or equivalent.</li> <li>• Two (2) years' previous warehouse experience required.</li> <li>• Possess a Valid Driver's License.</li> <li>• Ability to obtain certification and operate forklift and scissor lift.</li> <li>• Deltek experience preferred.</li> </ul>
<b>Warehouse Clerk III</b>	N/A	The Warehouse Clerk III ensures all incoming parts and materials are received, issued, and entered into the DELTEK Costpoint. Oversees efficient warehouse operations to ensure that the company ships and receives vital stock in time to meet production schedules. Ensures proper application of best warehouse operating procedures and maintains neat appearance and performs replenishment methods appropriately. Validates current inventory levels, inventory count, safe storage, and reconciles stock count to computer-generated reports to ensure inventory accuracy.	<ul style="list-style-type: none"> <li>• High School Diploma or equivalent.</li> <li>• Five (5) years' previous warehouse experience required.</li> <li>• Two (2) years' experience with LSI warehouse procedures required.</li> <li>• Possess a Valid Driver's License and certification and operate forklift and scissor lift.</li> <li>• Deltek experience preferred.</li> </ul>
<b>Welder I</b>	23010 – Aerospace Structural Welder	The Welder I performs necessary operations required to form, fit, and join various metals used in manufacturing, modifying and repairing trainer systems and related projects. Designs and Fabricates components; makes templates, and holding fixtures as necessary to align and hold metal parts to be welded. Works from engineering drawings or other technical data	Apprenticeship and / or Trade School in Welding plus 2 years' experience.

GSA Category/ Commercial Category	SCA Equivalent (if any)	Description	Experience/Education
<b>Welder II</b>	N/A	The Welder II performs necessary operations required to form, fit, and join various metals used in manufacturing, modifying and repairing trainer systems and related projects. Designs and Fabricates components; makes templates, and holding fixtures as necessary to align and hold metal parts to be welded. Applies conceptual skills to visualize the item to be fabricated. Works from shop sketches, engineering drawings or other technical data for dimensional and functional characteristics.	Apprenticeship and / or Trade School in Welding plus 4 years' experience.
<b>Welder III</b>	N/A	The Welder III performs necessary operations required to form, fit, and join various metals used in manufacturing, modifying and repairing trainer systems and related projects. Designs and Fabricates components; makes templates, and holding fixtures as necessary to align and hold metal parts to be welded. Applies conceptual skills to visualize the item to be fabricated. Works from shop sketches, engineering drawings or other technical data for dimensional and functional characteristics. The Welder III must rely on advanced trade knowledge and the ability to improvise trade techniques.	Apprenticeship and / or Trade School in Welding plus 6 years' experience.



## **2. MAXIMUM ORDER**

*\$1,000,000 built in renegotiation point with unlimited sales potential.*

## **3. MINIMUM ORDER**

\$300

## **4. GEOGRAPHIC COVERAGE (DELIVERY AREA)**

Worldwide

## **5. POINT OF PRODUCTION**

Same as company address

## **6. BASIC DISCOUNT**

Prices listed are net. Discounts have been deducted.

## **7. QUANTITY DISCOUNT**

None

## **8. PROMPT PAYMENT TERMS**

Net 30 Days

## **9. GOVERNMENT COMMERCIAL CREDIT CARD:**

Government commercial credit cards are accepted

## **10. FOREIGN ITEMS**

None

## **11a. TIME OF DELIVERY**

Time of delivery is specified in negotiated delivery/task orders.

## **11b. EXPEDITED DELIVERY**

Expedited delivery will be used appropriately depending on delivery/task order commitments.

## **11c. OVERNIGHT AND 2-DAY DELIVERY**

Consult with Contractor

## **11d. URGENT REQUIREMENTS**

Consult with Contractor

## **12. F.O.B. POINT**

Destination

## **13a. ORDERING ADDRESS:**

Logistic Services International, Inc.

6111 Technology Court

Jacksonville, FL 32221-8104



### **13b. ORDERING PROCEDURES**

For supplies and service the ordering procedures, information on Blanket Purchase Agreements (BPAs), and a sample BPA may be found at the GSA/FSS Schedule homepage LINK: [www.gsa.gov/](http://www.gsa.gov/).

### **14. PAYMENT ADDRESS:**

Logistic Services International, Inc.  
6111 Technology Court  
Jacksonville, FL 32221-8104  
Attention: Earlis Harvey  
Phone: (904) 779-6013  
Fax: (904) 779-6270  
[eharvey@lsijax.com](mailto:eharvey@lsijax.com)

### **15. WARRANTY PROVISION**

Provision for any appropriate and applicable warranties shall be specifically identified in individual orders. Such warranties are subject to the negotiation between the ordering agencies and the contractor.

### **16. EXPORT PACKING CHARGES**

Not Applicable

### **17. TERMS AND CONDITIONS OF GOVERNMENT PURCHASE CARD ACCEPTANCE**

Logistic Services International, Inc. accepts government commercial credit cards in accordance with commercial credit card program guidelines.

### **18. TERMS AND CONDITIONS OF RENTAL, MAINTENANCE, AND REPAIR**

Not Applicable

### **19. TERMS AND CONDITIONS OF INSTALLATION**

Not Applicable

### **20a. TERMS AND CONDITIONS FOR ANY OTHER SERVICES**

Not Applicable

### **20b. TERMS AND CONDITIONS FOR ANY OTHER SERVICES**

None

### **21. LIST OF SERVICE AND DISTRIBUTION POINTS:**

- a) LSI Corporate Headquarters and Cecil Training and Support Center, 6111 Technology Court, Jacksonville, FL 32221
- b) LSI Training Device Group (TDG), 175 East Olive Road, Pensacola, FL 32514
- c) 301 Potomac Ave, Quantico, VA 22134

### **22. LIST OF PARTICIPATING DEALERS**

None



## **23. PREVENTIVE MAINTENANCE**

None

## **24a. SPECIAL ATTRIBUTES**

None

## **24b. SECTION 508 COMPLIANCE INFORMATION**

Any e-learning training course produced will be in compliant with Federal Government EIT standards, Section 508.

## **25. DATA UNIVERSAL NUMBER SYSTEM (DUNS) NUMBER**

096598248

## **26. CONTRACTOR HAS REGISTERED IN THE CENTRAL CONTRACTOR REGISTRATION DATABASE.**

Registered

## **27. UNCOMPENSATED OVERTIME**

Non-exempt (hourly) employees are eligible to receive overtime pay of one and one half their regular hourly rate for all hours worked in excess of 40 in a work week (or after 8 hours a day in certain states). Exempt (Salaried) Employees - The term "exempt employee," means the employee is paid a fixed weekly salary for all hours worked and therefore exempt from daily and/or weekly hourly overtime pay.

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## **COMPANY OVERVIEW**

LSI is a privately-held, employee-owned training company incorporated in the state of Florida. LSI's Corporate Headquarters and primary courseware production facilities are in Jacksonville, FL, with satellite offices in North Carolina and Virginia.

LSI's management and production processes are certified under the International Organization for Standardization ISO 9001:2008. LSI's training products fully conform to the most current military specifications including the Performance Specification Training Data products MIL-PRF-29612B, Sharable Content Object Reference Model (SCORM), and Aviation Industry CBT Committee (AICC).

LSI provides a full range of training services for the U.S. Department of Defense, Department of Homeland Security, and the Defense Industry. Our core competencies are Instructional Systems Design (ISD), Curriculum Development, Training Focused Gaming, Instructor Services, Training Devices and Simulation, Training Center Support, Electronic Classrooms and Learning Centers, and Technical Data Support.

LSI's corporate stability is best expressed in the fact that we are a privately held company with a long-standing history of continuous profitability. We have a proven record of superb performance supporting DoD military training programs. In addition to our prime government training contracts, LSI is a principal subcontractor to most major Original Equipment Manufacturers (OEMs) in the International Defense Industry.

LSI's Internal Development Plan is focused on perpetuating growth and profitability of LSI as an independent, privately held employee-owned training company for years to come. Our Strategic Plan ensures that we continue to invest in technological advances and equipment upgrades and to recruit and retain only the highest caliber employees while achieving very low turnover. We will continue to operate within a carefully defined niche of our core competency areas of expertise by building strategic alliances and partnerships.

LSI's Mission is to provide superior training and technical support services to the U.S. Government, Foreign Militaries and the Defense Industry using leading edge capabilities with trained, experienced and skilled personnel. Our vision is to be the International



Defense Industry's leading provider of domestic and international training programs. Through sound leadership, technological innovation and dedication to excellence, we will apply resources in the most efficient manner possible to ensure our customers' success and maximize our employee owners' value.



## PRODUCTS AND SERVICES

### Instructional Systems Design



Our Instructional Designers take input from subject matter experts, documentation, existing training products, and instructors, along with observational Job Task Analyses, to design the optimal blended training solution for our customers. Our Instructional Systems Designers, Courseware Developers, Subject Matter Experts and the entire training development staff fully embrace the Analysis, Design, Develop, Implement and Evaluate (ADDIE) process shown above left.

### Curriculum Development



LSI provides training solutions for our fighting men and women in the Armed Forces. We develop innovative Computer-Based Training (CBT), Web-Based Training (WBT), and Interactive Multimedia Instruction (IMI) packages that are deliverable worldwide – on land or on sea – through a wide variety of delivery options shown below:

- Internet via multiple DoD web sites including Navy Knowledge Online and MarineNet
- Local Area Network



- Wide Area Network
- CD-ROM
- Instructor Led Training

Working in concert with the Armed Forces through our Integrated Process Teams (IPTs), we develop training that is exciting, relevant, and performance-based, often with full simulation, tied directly to the user's mission requirements. The resulting courseware is deployable, so we can pre-train personnel "just-in-time" – when and where it is needed. LSI helps the Armed Forces save acquisition and life-cycle costs as it moves into a new skill-driven operating environment.

At LSI, we're known for our hands-on management and relentless pursuit of quality. Our customers count on our success.

### **Training Focused Gaming Solutions**



At the request of the PEO for Army Aviation, LSI developed a fully immersive game titled "Practical Exercises". Working within an integrated production team of LSI Subject Matter Experts, Army Aviation Personnel, and PEOAVN PM Apache, LSI produced a Modeling and Simulation product for training that is currently making a significant impact on training Soldiers to successfully maintain the Apache helicopter all over the world. This team has produced one of the few fully immersive training products currently in use by our Armed Forces that is truly affordable on a training budget. The delivery coupled a low cost, high impact development tool with the expertise of our Subject Matter Experts, Graphic Artists, and Simulation Programmers to develop highly technical aviation maintenance training and practical exercises wrapped in an immersive combat scenario.

LSI is the only Military Training Development Company to be recognized two years in a row as one of the finalists by National Training Systems Association (NTSA) Serious Games Showcase & Challenge. LSI's gaming solution has been cited by the Army as a low cost approach to teaching and sustaining Apache helicopter troubleshooting and repair techniques to entry level and seasoned Soldiers.

This training product uses an immersive environment to provide Soldiers and Units the ability to train on mission critical tasks and exercise cognitive skills required to operate and maintain helicopters in the current operating environment. The virtual testing environment measures and reinforces the user's command of correct maintenance troubleshooting procedures, maintenance tool operation, and the functionality of aircraft components and instrumentation. Practical Exercises allows Soldiers to accomplish this training prior to deployment, during deployment, at home station, institutions, or through

individual self-development. In addition, the exercises can be a stand-alone practical exercise or a team building exercise used by Soldiers in different parts of the world working over the internet.

Another of the outstanding achievements of this product included the affordability; the cost of this training product is in the thousands vice million dollar ranges of other gaming products. Standard instructional and game design techniques are used to motivate and capture user decisions and provide detailed performance feedback through dynamic interface symbology, in-game progress reports, arcade-style scoring system, and after action reports.

## Instructor Services



LSI provides instructors that meet specific Government requirements for numerous military aviation academic courses. These services are provided at designated military installations nationwide, at LSI facilities in Jacksonville, Florida, and at various military facilities around the world. Our services include:

- Classroom Instructors
- Aviation Instructors
- Simulator Instructors
- Maintenance Instructors

In the following pages, LSI describes products and services offered under SIN 874-4 and SIN 874-9.

## SIN 874-4 Offerings

# Legacy Interactive Courseware (ICW) Conversion to HTML5

## Schedule Title: Interactive Courseware (ICW) Conversion to HTML5

### Description and Function

Much of today's courseware used by our armed services will soon become vulnerable to security risks and will not be usable on modern internet browsers. Specifically, SCORM courseware that uses the Adobe Flash® plugin to enable interactivity and display multimedia content will be unusable after Adobe ceases support for the Flash® plugin in 2020 and internet browsers begin removing support for the now obsolete plugin.

Logistic Services International (LSI) has developed and has proven the capability to efficiently convert existing SCORM conformant (v.1.2 and 2004), Flash-based eLearning training products to graphically and functionally identical HTML5-compatible products while maintaining original SCORM conformance. The final product is delivered with the expanded compatibility to operate on modern internet browsers including mobile devices, such as tablets and mobile phones, without the use and associated security vulnerabilities of third-party browser plugins.

Training products are re-authored using their existing Graphical User Interface (GUI) and navigation rules. As an added feature, LSI offers full data rights to the Government at no additional cost or fee. This allows the Government an opportunity to update the courseware themselves or via contract when concurrency becomes an issue.

The conversion price per hour, stated below for each level of complexity, is a one-to-one conversion from the legacy courseware. If the courseware is outdated and needs to be revised during this conversion process, LSI will negotiate the concurrency upgrades through the contract process using our discounted GSA schedule labor rates. Upgrades at the time of conversion can be done at a fraction of the cost as LSI only has to touch the courseware once. If your courseware requires content revisions, we suggest the client identify the requirements during the bidding process.

### Additional Guidance and Assumptions

1. Prices are based on one (1) instructional hour of content.
2. Interactive courseware is divided into three (3) Levels of Complexity (LOC) and priced accordingly.

#### ***Levels of Complexity Definitions:***

- **Low Complexity:** Typically employs low or simple underlying technology and graphics and is a linear presentation.
  - The student acts solely as a receiver of information and contains little to no interactivity beyond progressing to the next frame.

- Demonstrate recall, and comprehension of information in both formative and summative assessments/evaluation
- Commonly includes Level 1 interactivity
- **Moderate Complexity:** Employs moderate underlying technology and graphics. Legacy courseware employs flash-based action scripting requiring conversion to HTML 5 java script. Includes liberal use of multimedia such as video, animations, audio to elicit student interactions in response to instructional cues. Some examples include:
  - Exercise control over the presentation of content (e.g., access hyperlinks to navigate a related series of screens; discover tips, techniques, and procedures; discover information via multiple hotspots)
  - Participate in drill and practice activities
  - Perform procedures to complete tasks and/or operate systems, subsystems, or equipment (e.g., use the mouse to manipulate a dial setting or drag a vehicle gearshift into the correct position)
  - Includes branching, multiple student interactions and activities that support troubleshooting and higher levels of cognition such as analysis and synthesis
  - Process feedback in the form of simple equipment animation or verbal/textual information
  - Process scenario-based cues, make decisions and/or take actions, and respond to rapidly presented, authentic consequences in order to progress through multiple levels of branched instruction
  - Application and analysis of complex information and perform complex skills within acceptable parameters (e.g., time limits, number of errors) in both formative and summative assessments/evaluations
  - Commonly consists of level 2 and 3 interactivity
- **High Complexity:** Employs highly complex underlying technology and graphics. Legacy courseware employs significant flash-based action scripting requiring conversion to HTML 5 java script. Includes highly interactive use of multimedia, embedded simulation/emulations, or game-based technologies. Some example include:
  - The student is directly involved in a life-like set of complex cues and responses.
  - Student interactivity is complex and includes multiple branching, multiple student interactions and activities at the highest levels of cognition such as synthesis and evaluation.
  - Student exercises substantial control over a non-linear presentation in order to explore, discover, process, and respond to complex information, often alternating between multiple screens and to keep pace with the instruction
  - Participate in a limited real-time simulation of performance in an operational setting
  - Accomplish complex tasks that emulate real job performance

- Synthesize, and/or evaluate complex information and perform complex skills within acceptable parameters (e.g., time limits, number of errors, tracking against and expert path) in both formative and summative assessments/evaluations
  - Self-remediate by making different choices or taking alternative actions to progress through branched instruction.
  - Commonly consists of Level 4 interactivity
3. The client will provide copies of the legacy courseware, source files, and associated graphics and other media files.
  4. Some existing student interactions, such as “mouseovers”, may not be compatible with a touchscreen. LSI will collaborate with the client to design and implement alternate student interactions in these cases.

**(See pricing on page 5 of this document)**

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## **SIN 874-9 Offerings**

### **Training Devices and Simulators**

LSI develops cockpit and subsystem simulations for several Army aviation platforms. LSI uses the most efficient and cost effective combination of self-paced courseware augmented with appropriate segments of task simulations to meet specific customer-blended training requirements. LSI is currently supporting the Army Aviation Program Executive Office providing non-recurring engineering and administrative tasks to develop training aids and devices in the form of desktop trainers, hardware trainers, and portable crew station procedural training aids. LSI’s successful accomplishments include desktop trainers used as crew station procedural trainers for the Apache and Chinook helicopter and various intricate communication systems like the AN/ARC-231 multiband radio, portable part task remove and replace trainers, and a complete CH-47 Series Hardware Maintenance Training device delivered to Army Aviation schoolhouses for Aviation Technician training. LSI develops software to upgrade existing devices or develops new software to emulate new build helicopters and upgraded aircraft operational software to reflect new configurations for numerous Army helicopters. The trainers currently on schedule are described on the following pages.



# Chinook Cockpit Part Task Trainer (CCPTT)

**Schedule Title: Cockpit Part-Task Trainer / Develop**



## **Trainer Description and function**

The CH-47 Chinook Cockpit Part Task Trainer (CCPTT) is a standalone trainer and is used as a training platform for the development of unit level maintenance skills for Military Occupational Skill (MOS) 15U10 maintainers. The CCPTT is used to train system familiarization, component identification, and Remove/Install (R/I) tasks in support of Cargo Helicopter (CH-47) maintenance training at the U.S. Army's 128<sup>th</sup> Aviation Brigade, Ft Eustis, Virginia.

The CCPTT has no electrical or hydraulic power.

**The trainer is designed to provide the following tasks:**

Remove/Install Critical Tasks – 15

**Customer Furnished Equipment**

The customer provided a CH-47D cockpit enclosure.

**Critical Task List**

The customer provided a Critical Task List. The Critical Task List provided a list of all aircraft components that must be able to be removed and installed in accordance with the applicable technical manuals.

**Fault List**

There are no faults on this trainer

**Special Tools**

All Special Tools required for removing and installing components in accordance with the Critical Task List were provided by the customer.



# Chinook Helicopter Maintenance Trainer (CHMT)

**Schedule Title: Cockpit Maintenance Trainer (power systems included)/Develop**





## **Trainer Description and Function**

The CH-47 Chinook Helicopter Maintenance Trainer (CHMT) is a standalone trainer and is used as a training platform for the development of unit level maintenance skills for Military Occupational Skill (MOS) 15U10 maintainers. The CHMT is used to train system familiarization, component identification, servicing, inspections, Maintenance Operational Checks (MOCs), and Remove/Install (R/I) tasks in support of Cargo Helicopter (CH-47) maintenance training at the U.S. Army's 128th Aviation Brigade, Ft Eustis, Virginia.

The CHMT uses actual CH-47 helicopter systems combined with computer hardware and software to allow for maintenance personnel to perform maintenance actions and aircraft system troubleshooting. The trainer is powered electrically and hydraulically by a Mobile Power Supply Unit (MPSU).

### **The trainer is designed to provide the following tasks:**

Servicing and Remove/Install tasks – 57

Instructor Initiated Faults (No Software) – 44

Software Driven Faults – 33

Operational Checks - 9

Simulated APU and Engine Run-up to Ground Idle

## **Customer Furnished Equipment**

The customer provided a CH-47D airframe with electrical wiring, hydraulic lines and modules, and landing gear complete with brake assemblies, swivel locks wheels and tires. Also, other major components provided were 5 transmissions, 9 synchronizing drive shafts, aft vertical shaft, and No. 1 and No. 2 engine drive shafts. Fwd and aft rotor heads, fwd and aft swashplates, fwd and aft drive arms and collars, forward and aft upper rotor controls including longitudinal cyclic trim actuators (LCT), and fwd and aft rigid links, flight control linkage, bellcranks, mixing units, flight control pallets with magnetic brakes, viscous dampers, differential airspeed hold actuator (DASH), cockpit control driver actuators (CCDA), linkage, control position transducers (CPT), integrated lower control actuators (ILCA), pilot and copilot pedal boxes and all associated linkage, pilot and copilot cyclic sticks, thrust sticks, pedal controls, master cylinders, transfer valves. Pilot and copilot seats, overhead console, center console, canted console, No.1 and No.2 power distribution panels with internal components, and map lights. Antennas, 2 pitot tubes, pressure refuel station, fuel tanks, No.1 engine and No.2 engine. Utility pressure and return modules complete with all associated solenoid valves and pressure switches, No.1 and No.2 flight control power control modules complete with all associated solenoid valves and pressure switches, utility hydraulic pump, No.1 flight control pump, No.2 flight control hydraulic pump, No.1 and No.2 power transfer units (PTU), utility hydraulic reservoir, No.1 and No.2 flight control hydraulic reservoir, power steering module, APU start module, APU start accumulator, utility reservoir pressurization accumulator, and the brake accumulator. All ramp hydraulic components and a CH-47D model maintenance panel.

### **Critical Task List**

The customer provided a Critical Task List. The Critical Task List provided a list of all aircraft components that must be able to be removed and installed in accordance with the applicable technical manuals.

### **Fault List**

The customer provided a trainer Fault List. Incorporated in the Fault List was a list of all faults, the required YES/NO path of each fault, and the corrective action to repair the fault in accordance with the applicable technical manual.

### **Special Tools**

All Special Tools required for removing and installing components in accordance with the Critical Task List were provided by the customer.

### **Leveraging**

LSI had previously developed a Chinook Desktop Trainer (CDT) which simulated the Multifunction Display (MFD) and Control Display Unit (CDU) screens on the CH-47F helicopter. This was leveraged for the CHMT project.

# Desktop Avionics Simulator

## ARC-231 Radio

### Schedule Title – Desktop Avionics Simulator/Develop

This is a subset of a full cockpit desktop simulator. In this case the head-unit of the ARC-231 radio which is part of the CH-47F and AH-64D/E cockpits. Below are the features of the ARC-231 simulation.



#### Components that are simulated

The ARC-231 Radio Simulation demonstrates the operational procedures of how to successfully utilize the CH-47F communication system. User interaction will be with the Control Indicator (CI) and Fill Panel. No fill devices have been simulated. Upon Simulation initiation, it is understood a successful filling of the Keys has been done and an Amps Presets Data Card has been inserted and loaded.

The following CI functionality is simulated

1. 5 lines of text, 20 characters wide
  - a. Text faithfully emulates the selected display
  - b. Has flashing cursor block to denote cursor location
2. Selector Control
  - a. Facilitates menu navigation
  - b. Also facilitates the scrolling of numeric selections up to two characters in length
3. Five Toggle Switches

- a. Menu navigation and data entry
- b. Also selects functional operations

The Fill Panel functionality simulated

1. ENTER switch - used for selection and confirmation
2. Mode switch

Operations/Pages that are simulated

1. Key Management
2. Line-Of-Sight
3. Maritime
4. Have Quick
5. SINCGARS
6. SATCOM
7. DAMA
8. Beacon
9. Scan
10. Advanced Data Mode (ADM)
11. Tactical Internet-Range Extension (TI-RE)
12. HQ Combat Net Radio Internet Protocol (CNR/IP)
13. ADF



# Chinook Desktop Trainer (CDT)

## Schedule Title: Desktop Cockpit Simulator/Develop

### Trainer Description and Function

The CH-47F Chinook Desktop Trainer (CDT) is a standalone desktop trainer that is loaded on the student's computer. It is used as a training platform for familiarization with the CH-47F MFD and CDU pages. The CDT presents all the pages of the CH-47F CAAS cockpit, and allows the operator students to become familiar with the layout and navigation of these pages. The CDT is used as a teaching aide by the CH-47F new equipment training team.

The CDT was first developed in 2006 and it is continually updated to remain current with the latest CH-47F software versions. The GSA listed price is for the initial prototype version of the CDT.

### The prototype CDT is designed to provide the following tasks:

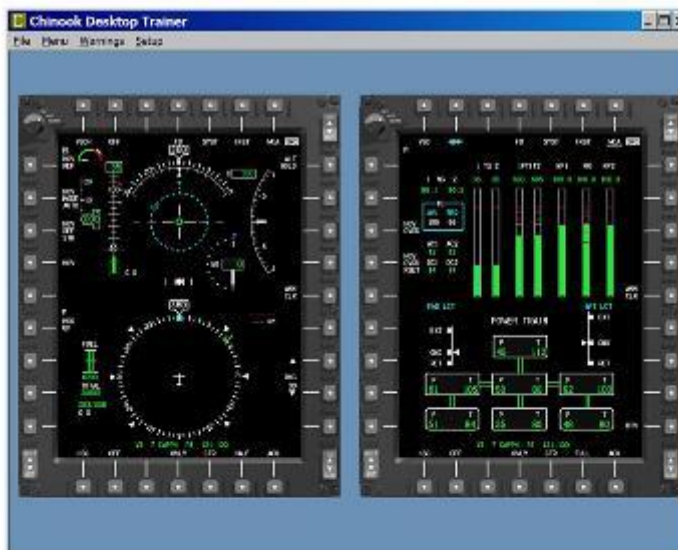
Simulates approximately 50 MFD pages

Simulates approximately 200 CDU pages

Simulates 6 faults, 2 warnings, 3 cautions, and 3 advisories – all selectable from a pull-down menu

Other features of prototype CDT:

- Flight plan management capabilities
- Implementation of cyclic, thrust, MFCU flight controls, all selectable from pull-down menu
- Flight director functionality allows the simulated aircraft to fly the flight plan automatically.
- 3D flight symbology faithfully emulates that of the CH-47F.



- Includes the displaying of CADRG chart files used in the CH-47F.

### **Customer Furnished Equipment**

The customer provided the GFI to enable LSI to create the CDT. The primary GFI was the Flight Deck Operator Reference (FDOR).

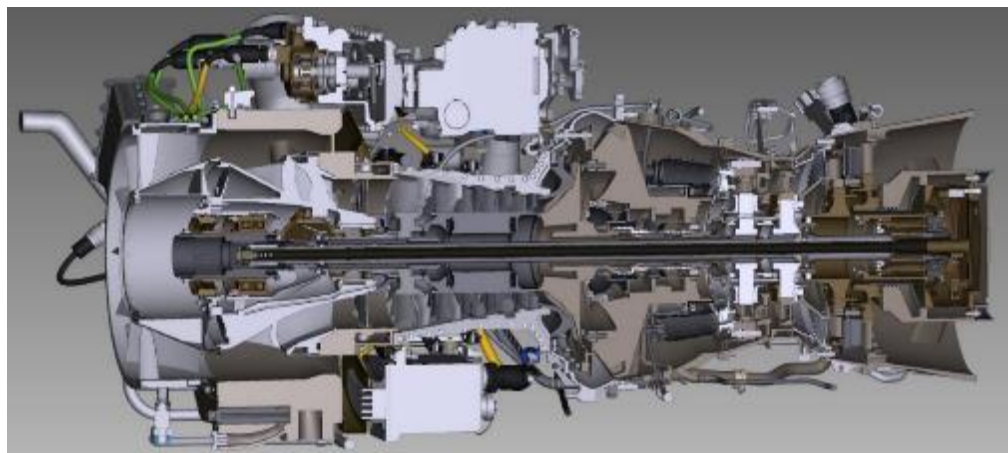
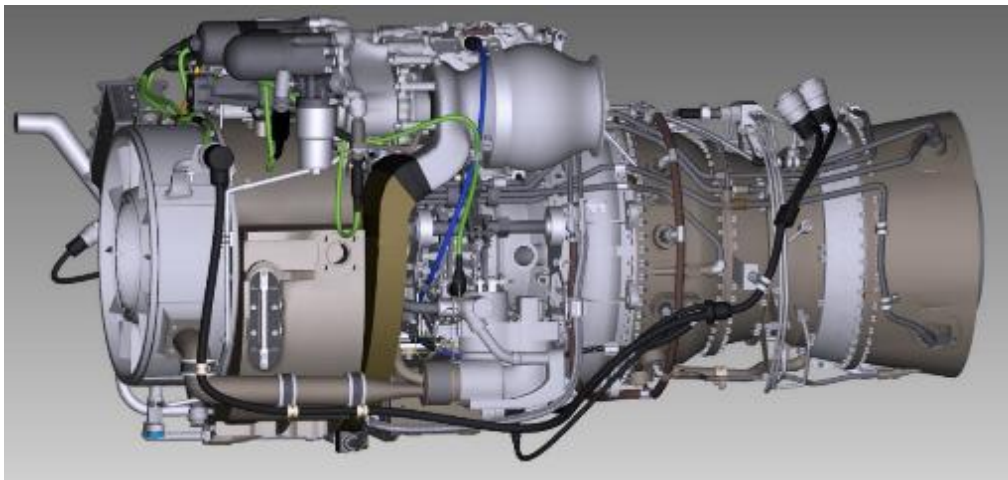


# Jet Turbine Engine Virtual Interactive Environment (VIE)

## Schedule Title: Jet Turbine Engine VIE

### Trainer Description and Function

LSI's Virtual Interactive Environment (VIE) is a touchscreen application that allows a user to view high-detailed 3D models and 2D schematic functional flows for a variety of applications. Users can view all aspects (Rotate, Pan, and Zoom) of the model using standard touch gestures, view the 3D model in cut-away/cross-section views, and run pre-defined animations. The user can select and remove individual components associated with the model to view underlying internal components. Users can also step through operational procedures such as engine startup while illustrating the effect on the 3D engine model.



The pictured sample VIE depicts a jet turbine engine (701C) and many of its subcomponents including:

- Fuel control, fuel pump (HMU - Hydraulic Mechanical Unit)
  - Oil pump,
  - DECU
  - Air Turbine Starter
  - Chip Detector
  - Anti-Ice Start Bleed Valve
  - Engine Inlet Anti-Ice Valve
  - B Sump Check Valve
  - Alternator, Fuel Filter
  - Oil Filter
  - Wire Harnesses
  - Air Line
  - Oil Lines
  - Thermocouple
  - Igniters, IPAS High Pressure and Low Pressure Lines
  - ATS Shut-off Valve
  - Engine Housing and Engine Mounts.
- a. The instructor is able to rotate and view engine from all angles/aspects and be able to view all sub components in cut away/cross section views.
  - b. The VIE will show flow of air, fuel, oil independently in cutaway/slice views and or views with only those systems depicted in their installed locations.
  - c. LSI will provide training systems which provide capability for remove and install tasks, troubleshooting, FIP, and MOC tasks.
  - d. The VIE will conduct bore scope tasks with associated tools.
  - e. The VIE will run the T39 test set on wire harnesses and DECU for 15Y training.
  - f. The VIE has the graphic media for the Component and Support Systems in 3D including required tools sets, (bore scope kit, general mechanic tool box, tools and T39 test set) all components (electrical and mechanical) between crew and engines for engine starting and run-up animations.

*The Major Component VIE cost listed above is based on the actual cost to create the original 701 Engine VIE (pictured above).*

- *Original Jet Turbine Engine of your choice may be purchased at the price listed.*

*VIE can be applied to countless training applications when a thorough understanding of component actions and assembly are needed. Costs vary and are dependent on specific task order and agency requirements. If you would like more information on VIE*



*applied to your particular requirements, please contact LSI.*

*VIE simulator work contracted under this GSA schedule has the added advantage of utilizing our GSA labor rates which are discounted and pre-negotiated with GSA. LSI welcomes the opportunity to develop, maintain or update a trainer for your specific needs. Please contact LSI for more information.*

# Virtual Interactive Environment (VIE) Hardware Workstation

**Schedule Title: VIE Workstation**



Student Station is manufactured to conform to standard DOD classroom configurations. The student station consists of the following:

VIE Stand (manufactured to hold two 22" touchscreen monitors along with a 55" touchscreen monitor for VIE. The host computer is built with a high-end video card and runs in a Windows 7 x64 environment.

Instructor Station is manufactured as a desktop to support 24" monitor for the Instructor Operator Station (IOS) with a keyboard and mouse.

*The VIE workstation cost listed above is based on our standard equipment as defined above. VIE workstation costs can vary and are dependent on specific task order and agency requirements to include type of military aircraft or component simulator, domestic or FMS specifications and fabrication requirements, specific GFE and GFI provided, documentation requirements, and methods of delivery. Work contracted under this GSA schedule has the added advantage of utilizing our GSA labor rates which are discounted and pre-negotiated with GSA. Please contact LSI for more information.*

# TEDAC Desktop with Functional Grips

**Schedule Title: TEDAC Desktop with Functional Grips**

## Trainer Description and Function

### TEDAC Desktop with Functional Grips

The TEDAC Grip Assembly is designed to interface with the AH-64E Longbow Procedural Trainer (LPT). When a switch or button is actioned, a signal is sent to the LPT indicating which control was actioned. The assembly consists of high physical and functional fidelity models of the left and right TEDAC grips connected to a center base where the TEDAC display would typically be located. The LPT TEDAC Grip Assembly incorporates the same grip spacing as in the AH-64E. The area where a TEDAC monitor would typically be located includes a removable section with a non-functional 3D silhouette representation of the TEDAC monitor. This removable section allows for future growth to include a functional TEDAC display. The structure provides a padded base that supports the grip assembly such that the bottom of the grip will be approximately 1" off the table surface. The LPT TEDAC Grip Assembly will report switch positions and transducer readings through a USB HID interface.



#### Left Grip switches:

- TADS Field of View Switch
- Image Auto Tracker Switch
- Video Record Button
- FCR Mode Switch
- Cursor Display Select Button
- Weapons Guarded Trigger
- TADS Sensor Select Switch
- Weapons Action Switch
- Store/Update Switch
- Cursor Controller
- S-Scan/C-Scan Switch
- Cued Search Button
- Linear Motion Compensation Button
- CAGE Button

#### Right Grip switches:

- FCR Scan Size Switch
- Laser Spot Tracker Mode Switch
- Sight Select Switch
- IAT Polarity Switch
- Sight Manual Tracker
- Cursor Enter Button
- HDD Select Button
- Laser Pointer Button
- C-SCOPE Button
- FLIR Polarity Button
- Sight Slave Button
- Display Zoom Button
- LRFD Guarded Trigger
- MTT Switch



## **USB Device Overview:**

The TEDAC Desktop inputs are being driven by a single USB device and are identified as the TEDAC Desktop.

## **TEDAC Desktop Controller**

The TEDAC Desktop Controller assembly contains 54 switches and 4 analog signals. It enumerates as a game controller (0x05 Game Pad) with the following information.

Device Name: TEDAC Desktop

VID: 22CE

PID: 0026

## **Developer Information**

The TEDAC Desktop Controller USB uses standard USB 2.0 HID protocol, which allows the device to utilize the standard HID USB drivers that come with Windows, Linux or most other Operating Systems. There are no specific drivers required to use the device with either the WinUSB API or the Direct Input API. One limitation to using WinUSB API is that it limits the maximum number of 32 buttons for each device. Since this device has 54 buttons it is recommended to use Direct Input API to communicate and read the status of the switches. To help support your software integration additional developer links are provided to reference when developing code to communicate with the device

## **Delivery**

Shipping costs will be based on upon the quantity ordered



# TEDAC Desktop with Functional Display and Grips

## Schedule Title: TEDAC Desktop with Functional Display and Grips

### Trainer Description and Function

#### TEDAC Desktop with Functional Display and Grips

The TEDAC Grip Assembly is designed to interface with the AH-64E Longbow Procedural Trainer (LPT). When a switch or button is actioned, a signal is sent to the LPT indicating which control was actioned. The assembly consists of high physical and functional fidelity models of the left and right TEDAC grips connected to a center base where the simulated TEDAC display is located. The TEDAC display interfaces to the video output of a Windows computer using a DVI cable and displays the LPT TEDAC symbology and video. The LPT TEDAC Grip Assembly incorporates the same grip spacing as in the AH-64E. The structure provides a padded base that supports the grip assembly such that the bottom of the grip will be approximately 1" off the table surface. The LPT TEDAC Grip Assembly will report switch positions and transducer readings through a USB HID interface.



#### Left Grip switches:

- TADS Field of View Switch
- Image Auto Tracker Switch
- Video Record Button
- FCR Mode Switch
- Cursor Display Select Button
- Weapons Guarded Trigger
- TADS Sensor Select Switch
- Weapons Action Switch
- Store/Update Switch
- Cursor Controller
- S-Scan/C-Scan Switch
- Cued Search Button
- Linear Motion Compensation Button
- CAGE Button

#### Right Grip switches:

- FCR Scan Size Switch
- Laser Spot Tracker Mode Switch
- Sight Select Switch
- IAT Polarity Switch
- Sight Manual Tracker
- Cursor Enter Button
- HDD Select Button
- Laser Pointer Button
- C-SCOPE Button
- FLIR Polarity Button
- Sight Slave Button
- Display Zoom Button
- LRFD Guarded Trigger
- MTT Switch

### USB Device Overview:

The TEDAC Desktop inputs are being driven by a single USB device and are identified as the TEDAC Desktop.





## **TEDAC Desktop Controller**

The TEDAC Desktop Controller assembly contains 54 switches and 4 analog signals. It enumerates as a game controller (0x05 Game Pad) with the following information.

Device Name: TEDAC Desktop

VID: 22CE

PID: 0026

## **Developer Information**

The TEDAC Desktop Controller USB uses standard USB 2.0 HID protocol, which allows the device to utilize the standard HID USB drivers that come with Windows, Linux or most other Operating Systems. There are no specific drivers required to use the device with either the Win USB API or the Direct Input API. One limitation to using WinUSB API is that it limits the maximum number of 32 buttons for each device. Since this device has 54 buttons it is recommended to use Direct Input API to communicate and read the status of the switches. To help support your software integration additional developer links are provided to reference when developing code to communicate with the device

## **Delivery**

Shipping costs will be based on upon the quantity ordered

# **TEDAC Desktop Transportation Case**

**Schedule Title: TEDAC Desktop Transportation Case**



## **Description and Function**

### **TEDAC Desktop Transportation Case**

A transportation case with custom foam inserts for transportation of the LPT TEDAC Grip Assembly stands. The cases would allow for 2 assemblies to be located inside each case. The cases will include a pull-out handle and 2 wheels to facilitate handling the equipment.

## **Delivery**

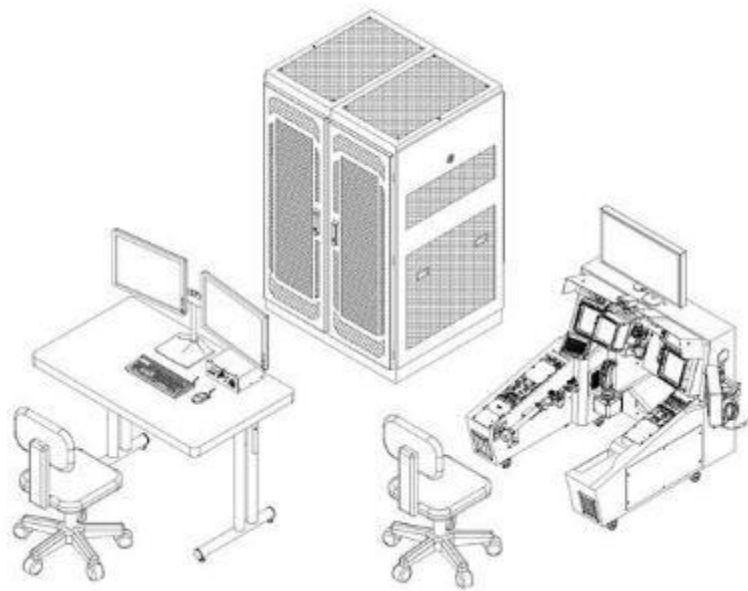
\*Shipping costs will be based on upon the quantity ordered

# Modernized Target Acquisition Designator Sight (TADS) Selected Task Trainer (MTSTT)

**Schedule Title: Modified TADS Selected Part Task Trainer /  
Develop**

## **Trainer Description and function**

The M-TSTT is an AH-64 Apache Helicopter part task trainer that provides an interactive means of training pilots in operator procedures related to Sights, Weapons, Communications, Navigation, Controls and Displays, Fire Control Radar, and Data Management. The MTSTT also provides interactive tests to train and evaluate users on controls and displays switchology. These switchology tests offer three levels of complexity – ranging from beginner to advanced level. Upon successful completion of training, the user should be competent in:



- Switchology
- Boresighting
- Tracking/Targeting
- Target Acquisition (FCR / MTADS)
- Target Engagement
- ILS/VOR operation
- Communications
- Navigation

The M-TSTT consists of an Electronics Cabinet, Instructor Operator Station (IOS), and Hardware Training Device (HTD). The Electronics Cabinet mounts the computers and Image Generator hardware required to operator the device. The IOS provides an interface to monitor and control the MTSTT such as starting/stopping the simulation, monitoring user's progress/actions, and creating new training scenarios.



The MTSTT contains image generators to provide TADS video and Out-The-Window (OTW) video. The OTW provides a 40° view of the out-front scene. The HTD emulates the Copilot Gunner (CPG) crewstation with high fidelity models of controls and displays. The MTSTT realistically emulates the following controls and displays:

- Multi-Purpose Displays (MPD)
- TADS Electronic Display And Control (TEDAC)
- Enhanced Up Front Display (EUFD).
- Collective and Cyclic switches
- NVS Mode Panel
- Keyboard Unit
- Armament Panel
- Master Caution Panel
- Communication Panel
- Secondary Flight Display

### **Leverage**

The basic MTSTT has been developed. Additional technical engineering is required to accommodate current with future AH-64 hardware and software updates. The MTSTT can be modified to support different AH-64 baselines.

### **Pricing:**

Trainer Cost per Unit	See page 5 of this document
Initial Spares Kit	
IOS	Included
HTD	Included
Additional Engineering	\$ Labor Rates
Shipping per Unit	FOB Origin
Set-up Fee per Unit	\$ Labor Rates
User Training	\$ Labor Rates
Personal Travel is per JTR	\$ NSP
Long Term Training & Support	Separately priced per hourly rate table based on requirements and duration
Long Term Maintenance	Separately priced per hourly rate table based on requirements and duration

# FMS and Domestic UH-60M Black Hawk Maintenance Trainer (BHMT-M)



The FMS and Domestic Army UH-60M Black Hawk Maintenance Trainer (BHMT-M) is a training platform for the development of Military Occupational Specialty (MOS) 15T10/30 maintenance skills for the Sikorsky UH-60M / S-70M helicopter. The BHMT-M Trainer is used to train system familiarization, component identification, servicing tasks and inspections, Maintenance Operational Checks (MOCs), Fault Isolation Procedures (FIPs) and Remove/Install (R/I) tasks in support of the FMS Army UH-60M / S-70M field level maintenance. The BHMT-M is built from a US Army CAT B MH-60K or L-model airframe; refurbished and modified to a UH-60M configuration including analog to digital cockpit.

The BHMT-M is powered by a simulated Auxiliary Ground Power Unit (AGPU) where the jet engine is replaced with a 400 Hz converter and electrically powered hydraulics to allow operation in a hangar environment. The gauges on the simulated AGPU function normally providing training value. The trainer is outfitted with an Instructor Operator Station (IOS) and air-conditioned equipment rack for communications with the training device to insert Faults into the system.

- 52 MOCs
- 43 Faults
- 223 Administrative Tasks

Specific Requirements:

Number	Description of Requirement
BHMT-01	The exterior of the trainer shall be painted FMS or Army Paint Scheme and Markings using a semi-gloss finish.
BHMT-02	The interior of the trainer shall be painted FMS or Army Paint Scheme and Markings.
BHMT-03	Components which have been relocated from their original locations on US M31 aircraft shall be positioned to reflect their new locations on the FMS unique UH-60M.
BHMT-04	The Robertson 200 gallon IAFTS system components shall be installed on the SS replicating the actual aircraft systems.
BHMT-05	The Robertson 200 gallon IAFTS A-kit will be installed on the SS replicating the actual aircraft system in support of the R/I tasks identified in Appendix A, Section 19 of the Performance Specification document.
BHMT-06	The Robertson 200 gallon IAFTS B-kit will be installed on the SS replicating the actual aircraft system in support of the R/I tasks identified in Appendix A, Section 19. The Robertson 200 gallon IAFTS B-Kit is being supplied by the customer.
BHMT-07	The CEFS provisions shall be installed on the SS replicating the actual aircraft systems.
BHMT-08	The AN/ARN-153 TACAN RT and provisions shall be correctly located on the SS with high physical fidelity.
BHMT-09	The AN/APX-117 IFF Transponder and provisions shall be correctly located on the SS with high physical fidelity.
BHMT-10	The KIT-11C shall be correctly located on the SS with high physical fidelity.
BHMT-11	The EBC-302 ELT bracket shall be correctly located on the SS with high physical fidelity.
BHMT-12	The C-406N ELT/Antenna/Control Head shall be correctly located on the SS with high physical fidelity.
BHMT-13	The AN/ARC-201E VHF-FM RT shall be correctly located on the SS with high physical fidelity.
BHMT-14	The AM-7189A IFM amplifier shall be correctly located on the SS with high physical fidelity.
BHMT-15	The TALON UHF-FM RT-8103/Antennas/Control Head and provisions shall be correctly located on the SS with high physical fidelity.
BHMT-16	The KY/SY-100 MTU provisions shall be correctly located on the SS with high physical fidelity.
BHMT-17	The AN/ARC-220 HF RT/AN/ARC HF AMP/with ALE/Antenna and provisions shall be correctly located on the SS with high physical fidelity.
BHMT-18	The TFM-500 (VHF-UHF) provisions shall be correctly located on the SS with high physical fidelity.

Number	Description of Requirement
BHMT-19	The AN/APR-39C (V) 2 Radar Warning system shall be correctly located on the SS with high physical fidelity.
BHMT-20	The AN/AAR-57 (V) 3 CMWS/EOMS system shall be correctly located on the SS with high physical fidelity.
BHMT-21	The AN/AVR-2B (V) 3 Laser Warning System and provisions shall be correctly located on the SS with high physical fidelity.
BHMT-22	UES (Upturned Exhaust System) – The UES will be constructed with similar materials and production processes at a Medium Physical Fidelity and Medium Functional Fidelity to give the viewable appearance of the actual UES. Hand holds and Steps will be in the proper locations and usable, however, no internal modeling will be fabricated past the point of normal viewing with the UES installed.
BHMT-23	The mission equipment shall replicate the fielded aircraft equipment.
BHMT-24	The FRIES A-Kit mounting provisions shall replicate the fielded aircraft equipment in support of the R/I tasks identified in Appendix A, Section 19 of the Performance Specification document.
BHMT-25	The DPLS mounting provisions shall be correctly located on the SS with high physical fidelity.
BHMT-26	The External Electric Hoist control panel and crew controller shall replicate the fielded aircraft equipment in support of the R/I tasks identified in Appendix A, Section 19 of the Performance Specification document.
BHMT-27	The External Electric Hoist Search Light shall replicate and have the functionality of the fielded aircraft equipment.
BHMT-28	The External Electric Hoist shall replicate and have the functionality of the fielded aircraft equipment in support of the R/I tasks identified in Appendix A, Section 19 of the Performance Specification document.

### Leverage

The BHMT-M is being leveraged from the fielded BHMT-M device. Additional technical engineering would be required to accommodate future UH-60M / S-70M or other variant hardware and software upgrades at discounted GSA labor rates on schedule.



# Government Furnished Equipment:

GFE LIST UH-60M Black Hawk Maintenance Trainer (BHMT-M)			
	NOUN NOMENCLATURE	Q T Y	Notes
ITEM	PART NO. TYPE		
	<b>Baseline Aircraft</b>		
1	Retired MH-60 (Series) Airframe	1	
	<b>Baseline Engines</b>		
2	T700-GE-701D	2	NSN 2840-01-503-1701
	<b>Mission Equipment</b>		
3	Martin Baker Crew Chief Seats	2	P/N MBCS13300AB
4	Martin Baker Pallet Assembly	1	P/N LSF02255-004
5	Power Unit, Gas Turbine Engine (Sunstrand APU)	1	NSN 2835-01-369-2818
6	Power Unit, Gas Turbine Engine Generator	1	NSN 6115-01-318-5729
7	Power Unit, Gas Turbine Engine Adapter	2	NSN 6115-00-991-0806 (Device & ISP)
8	Winch, Aircraft Mounted	1	NSN 1680-01-505-3913
9	Actuator, Electro-Mechanical	1	NSN 1680-01-261-2044
10	Fairing, Nose ACFT	1	1680-01-496-7416
11	Search Light	1	NSN 6230-01-556-7911
12	Robertson Fuel Tank A Kit	1	HM020-524-21
13	Robertson Fuel Tank B Kit	1	HM026-003-31
	<b>Upturned Exhaust (If High Fidelity Required)</b>		
12	Upturned Exhaust System (UES) – (LH/RH)	1	NSN 1670-00-168-5953
13	Exhaust Turbine Duct (L/H)	1	NSN 2840-01-619-1022
14	Exhaust Turbine Duct (R/H)	1	NSN 2840-01-619-1030

## Government Furnished Information:

<b>GFI LIST - UH-60M Black Hawk Maintenance Trainer (BHMT-M)</b>	
<b>Publication Number</b>	<b>Description</b>
EM0271	T700, 701C, 701D - ITEM
A1-S70CD-70M-000	S-70M - IETM
TM 1-70-TAIUH60M-10	Operators Manual for Sikorsky Model S-70M Helicopter
TM 1-70-TAIUH60M-CL	Operator's and Crewmember's Checklist Sikorsky Model S-70M Helicopter
TM 1-70-TAIUH60M-MTF	Maintenance Test Flight Manual Sikorsky Model S-70M Helicopter
TM 1-70M-TAIUH60M-PMD	Preventive Maintenance Daily
TM 1-70M-TAIUH60M -PMS	Preventive Maintenance Scheduled
TM 1-70M-TAIUH60M-PMI	Technical Manual Phased Maintenance Inspection Checklist
MIL-STD-1366E	Transportability Criteria
MIL-STD-209K	Lifting and Tie down Provisions
MIL-T-81821(3)	Trainers, Maintenance, Equipment and Service, General Specification
DODD 8500-01E	Information Assurance
DODD 8510-01	Information Assurance Certification and Accreditation Process (DIACAP)
TRADOC 350-70	Training Development, Management, Processes, and Products
<b>Non-Government Publications</b>	
23P	Robertson Internal Auxiliary Fuel Tank System (IAFTS) 200 Gallon
23P	Fast Rope Insertion Extraction System (FRIES)
Paint Scheme	FMS Army Paint Scheme and Markings
23P	Dual Patient Litter System (DPLS)
GSC	Software used for the Ground Station Computer Rev H
ULLS-A(E) 6.1.1.49 Logbook	
Win 7 (32 bit) Tier 1 Quarterly Update 1	
Ground Station Blk32 SP1/Oracle 11.2.0.3 PS28 ChgGSSAuth/	
JKCS 5.0.2 (AI ver. 4.7)/ EM0013 (30 Apr2013) & EM0284 (30Oct2013) with IQReader build 20	
4 disk set – Multi-Platform Auto Loading Image	

## Pricing

<b>GSA</b>	<b>Cost Burdened</b>
Trainer Cost per Unit	See page 7 of this document
MOS 15T10/30 Toolkit	Included
Army Foot Locker (Tools)	Included
Servicing Equipment	Included
Special Tools and Test Equipment	Included
Fly Away Equipment	Included
Training Program, 8 days on-site	Included
Initial Spares Kit	Included
Additional Engineering	At GSA Labor Rates
Shipping	Negotiated at time of sale
<b>Labor Hour Price Considerations Per GSA MOBIS 874-9 Schedule</b>	
Long Term Training & Support	Separately priced per hourly GSA rate table based on requirements and duration
Sustainment can be either full time on-site or on-call service with 24 hour response time for initial response:	(Labor Hours at GSA Approve Rates) - Separately priced based on customer requirement
Recurring training:	(Labor Hours at GSA Approve Rates) - Separately priced based on customer requirement
Personal Travel	NSP – Per JTR
Long Term Maintenance	(Labor Hours at GSA Approve Rates) - Separately priced based on customer requirement

# Simulated Aviation Ground Power Unit (AGPU)



## Description:

The AGPU simulates the Multi-Output Aviation Ground Power Unit MEP83-360E Hydraulic and Electrical systems. These systems provide realistic training for ground maintenance operations/procedures and provides the ability to operate training devices in an indoor environment. The AGPU is used to train system familiarization by providing both hydraulic and electrical interfaces to the Hardware Training Device (HTD). This device can be configured to support multiple input voltages (i.e. 480VAC vs 208VAC) as well as multiple output power (30KVA to 60KVA) requirements.

The AGPU provides maintenance training under the following categories:

- Overall System Familiarization
- Functioning Controls and Indicators
- Realistic training for ground maintenance and operations/procedures

The functional components that are used to execute training and power requirements that are trainer specific include the following:

- Power Frequency Converter
- Trainer Unique AC Power
- Hydraulic Pump and Motor
- Emergency Stop (E-STOP)
- Electrical Control Panel
- Hydraulic Control Panel
- Parking Brake Lever
- Tow Bar
- AC Input Power Assembly
- Hydraulic Module

**Specifications:**

- Input power: 208 VAC to 480 VAC 3 PHASE 60 HERTZ 200 AMP
- Output power: 115/ 200 VAC 3 PHASE 400 HERTZ
- 30KW – 60KW continuous power over two 5 wire output cables
- Flow rate: Up to 15 gallons per minute at 500 to 3300PSIG
- Integrated E-STOP with HTD & Instructor Operator Station (IOS)
- Desert Tan paint scheme

# Army L-7AY: AH-64E Apache Helicopter Maintenance Trainer

The L-7AY is the top of the line maintenance training system for the AH-64E Apache helicopter. The device is built from a combination of GFE, simulated, and stimulated equipment. It complies with the latest RMF requirements and also utilizes a wireless tablet IOS.

We begin with customer provided aircraft (usually non-flyable) and a salvaged mobile power supply unit (MPSU). We then strip the aircraft down and rebuild it as a training device using a combination of actual aircraft and modeled components. Cosmetic defects are repaired and the device is made to look new from the outside. On the inside, the devices are completely rewired and simulation equipment is installed to satisfy the customized training requirements identified by the buyer. The completed L-7AY AH-64E Apache Helicopter Maintenance Trainer includes:

- 99 Maintenance Operational Checks (all the A/C can do)
- 342 Fault Isolation Procedures (FIPs)
- 245 Remove and Install (R&I) Tasks
- 18 I/O Chassis with 1800 discrete I/O points
- Monitored 243 switches and 477 canon plugs
- 40 serial channels
- 1.4+ million lines of code
- Interfaced to aircraft gun, flight controls and simulated sensors (full movement)



The device was mentioned in an article published in the February 28, 2017 edition of Army Aviation Magazine, written by SSG Neil R. Smith titled "PM-TRADOC Collaboration – A Thing of Beauty." In the article, SSG Smith discusses the advantages of LSI's L7-AY AH-64E Maintenance Trainer. SSG Smith ends the article with the following quote:

*"The L-7AY AH-64E Trainer is the most advanced and complete maintenance*

*training device on the market. With its design, functions and adaptability this amazing machine will effectively be training the future of Army Aviation Attack maintainers for many years to come."*



LSI models most of the L-7AY components but does require an Apache AH-64D fuselage (including wings, landing gear, stabilizer, stabilator) and engine, AH-64D LRU's that are common to AH-64E configuration, as well as an AH-64E transmission and gear boxes. LSI has the capability to model many of this GFE and can negotiate concurrency configuration options using LSI's discounted GSA labor rates during the bidding process.

### **Leverage**

The basic L-7AY has been developed. Additional technical engineering is required to adapt future AH-64E hardware and software updates. The L-7AY can be modified by LSI to support different AH-64E baselines.

### **Pricing:**

Trainer Cost per Unit	See page 7 of this document
Initial Spares Kit	Included
IOS	Included
HTD	Included
Additional Engineering	\$ GSA Approved Labor Rates
Shipping per Unit	\$ Determined at time of sale
Set-up Fee per Unit	\$ GSA Approved Labor Rates
User Training	\$ GSA Approved Labor Rates
Personal Travel is per JTR	\$ Priced on per trip basis IAW JTR at time of sale
Long Term Training & Support	Separately priced per hourly rate table based on requirements and duration
Long Term Maintenance	Separately priced per hourly rate table based on requirements and duration



## Training Center Support



LSI provides support to numerous training centers nationwide, which includes support of training facilities and the Revision and Maintenance (R&M) of curriculum and courseware. LSI has also designed, installed, and maintained numerous military Learning Centers, Foreign Military (FMS) Learning Centers, and Electronic Classroom networks which include workstations, file servers, and peripheral equipment.

LSI has also provided Training Center Support to the US Army at our own facilities at Cecil Commerce Center in Jacksonville, Florida. During a one-year period, we supported and trained over 300 soldiers in support of the US Army Aviation Logistics School (USAALS) in support of the AH-64D Apache 15R MOS transition course.

## Electronic Classrooms and Learning Centers



LSI has installed Electronic Classrooms (ECs) and Electronic Learning Centers (ELCs) for all of the U.S. Navy's Maritime Patrol Wings and at many major Army facilities nationwide. LSI will also install electronic classrooms for the US Navy's E-2D Hawkeye Integrated Training System for Aircrew (HITS-A) at Naval Air Station Norfolk, VA and Point Mugu, CA. LSI has developed ECs for the U.S. Army's Aviation Training Brigade at Fort Rucker, AL in support of the AH-64D Apache Aviator Qualification course and the UH-60 Blackhawk Maintenance Test Pilot course. Additionally, we also installed over 40 new electronic classrooms for the US Army Aviation Logistics School (USAALS) at Fort Eustis, VA. Classrooms consist of computer stations and a high-resolution projection system networked to serve IMI from a common file server. LSI also installed four Electronic Classrooms at our Jacksonville, FL facility for the Apache 15R MOS transition course that was taught in that facility.

## Technical Data Support Services



LSI offers professional technical publication and illustration services to meet our customer's needs. Our services include technical writing, validating, editing, proofreading, scanning, and illustrating for paper production or electronic media. We pride ourselves with having a high level of expertise in our staff of Technical Manual Developers, Proofreaders, and Technical Illustrators. LSI's quality processes ensure a technically accurate publication that is compliant with all of the customer's requirements. We work with our customers to ensure a quality product, which saves time, money, and resources. Our Technical Data Services include:

- Operating manuals
- Organizational and intermediate maintenance manuals
- Wiring data manuals
- Illustrated Parts Breakdown (IPB) manuals
- Training manuals
- Technical illustrations
- Interactive Electronic Technical Manuals (IETMs)
- Upgrades and conversions from paper to electronic media

## CERTIFICATIONS AND AWARDS

### ***ISO 9001:2015 Registered***

LSI's quality system meets all ISO 9001:2015 international standard quality management requirements, efficient production processes and a corporate culture of continuous improvement. LSI's Quality Management Program defines the quality system and policies incorporated into all of our product development processes company-wide.

### ***Continue to be named into the Top 100 Training Companies Worldwide Annually***

The Top 100 is a listing of the top training companies worldwide that have made a significant impact in the military training industry this year and are expected to be the leaders in the industry in coming years—whether in distance learning, live training, modeling, gaming, information retention, simulators or any other training component.

### ***SCORM Adopter – ADL Partner***

LSI is a registered SCORM Adopter and an ADL Partner. LSI has worked extensively with the Joint ADL Co-Lab of Orlando on several projects including SCORE, a content repurposing research project.

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## BENEFITS TO THE GOVERNMENT

