



**AUTHORIZED FEDERAL SUPPLY SERVICE  
INFORMATION TECHNOLOGY SCHEDULE PRICELIST  
GENERAL PURPOSE COMMERCIAL INFORMATION TECHNOLOGY  
EQUIPMENT, SOFTWARE AND SERVICES**

Special Item No. 33411 & 33411RC Purchase of New Equipment  
Special Item No. 811212 & 811212RC Equipment Maintenance  
Special Item No. 511210 & 511210RC Perpetual Software Licenses  
Special Item No. 54151 & 54151RC Maintenance of Software as a Service  
Special Item No. 611420 & 611420RC Training Courses  
Special Item No. 54151S & 54151SRC Information Technology Professional Services  
Special Item No. OLM Order-Level Materials (OLM)

**SIN 33411 & 33411RC Purchasing of new electronic equipment**

Purchasing of new electronic equipment Includes desktop, laptop, tablet computers (including rugged), servers, storage equipment, hyperconverged integrated systems, supercomputers, routers, switches and other communications equipment, IT security equipment (hardware based firewalls), audio and video (AV) equipment, public address systems, monitors/displays, sensors and other Internet of Things (IOT) devices, printers and Multi-Function Device (MFD) equipment, broadcast band radio, two-way radio (LMR), microwave radio equipment, satellite communications equipment, radio transmitters/receivers (airborne), radio navigation equipment/antennas, optical/imaging systems, and associated peripherals required for operations (such as controllers, connectors, cables, drivers, adapters, etc., ancillary installation of any equipment purchased.

**SIN 811212 & 811212RC Maintenance of Equipment, Repair Services and/or Repair/Spare Parts**

Maintenance, Repair Service, and Repair Parts/Spare Parts for Government-Owned General-Purpose Commercial Information Technology Equipment, Radio/Telephone Equipment

**SIN 511210 & 511210RC IT Software**

Software Licenses Includes both term and perpetual software licenses and maintenance.

**SIN 54151 & 54151RC Software Maintenance Services**

Software maintenance services creates, designs, implements, and/or integrates customized changes to software that solve one or more problems and is not included with the price of the software. Software maintenance services includes person-to-person communications regardless of the medium used to communicate: telephone support, online technical support, customized support, and/or technical expertise which are charged commercially.

**SIN 611420 & 611420RC Information Technology Training**

Includes training on hardware, software, cloud, and other applicable systems.

**SIN 54151S & 54151SRC Information Technology Professional Services**

IT Professional Services and/or labor categories for database planning and design; systems analysis, integration, and design; programming, conversion and implementation support; network services, data/records management, and testing.

**SIN OLM Order-Level Materials (OLM)**

OLMs are supplies and/or services acquired in direct support of an individual task or delivery order placed against a Schedule contract or BPA. OLM pricing is not established at the Schedule contract or BPA level, but at the order level. Since OLMs are identified and acquired at the order level, the ordering contracting officer (OCO) is responsible for making a fair and reasonable price determination for all OLMs.



**HART Technologies, Inc.**  
**7060 Infantry Ridge Drive**  
**Manassas, VA 20109**  
**PHONE: (703) 366-2615**  
**FAX: (703) 366-2616**



**Internet Address: [www.harttech.com](http://www.harttech.com)**  
**Contract # GS-35F-0349T**  
**Period Covered by Contract: 26 March 2017 – 25 March 2022**

Products and ordering information in this Authorized Information Technology Schedule Pricelist are also available on the GSA Advantage! System (<http://www.gsaadvantage.gov>).

HART Technologies, Inc. specializes in the design, development, and integration of scalable real-time embedded systems, high fidelity training systems, and automated validation tools.

HART Technologies, Inc. is formed of experienced software and hardware developers with proven reputations for quickly adapting to the requirements of the job. We are committed to working through the toughest issues to ensure the successful completion of the job.

The HART Technologies, Inc. team strives to build and maintain long-term relationships. Our goal is to complement your organization and ensure the success of the program. We keep open lines of communication where issues can be discussed, opportunities explored, and risks identified.

At HART Technologies, Inc. we are proud of our reputation for producing superior solutions on schedule and within budget. We look forward to the opportunity to work with you to make your concept a reality.

*Embedded Systems*

*Constructive Simulations*

*Realtime Systems*

*Simulation and Modeling*

Experience Counts: Whether your project requires embedded training solutions, constructive simulations, real-time hardware solutions, dynamic systems modeling and simulation, rapid visual database development, automated validation tools, or a custom application, HART Technologies, Inc. has the solution.

**HART TECHNOLOGIES, INC.**  
**INFORMATION TECHNOLOGY PROFESSIONAL SERVICES**

HART Technologies, Inc. is a technology development, software development, systems integration provider specializing in the design, development and support of specialized computer-based modeling and simulation, automated integration, test and validation tool suites for complex distributed real-time platforms including avionics and vetronics applications. The following products and services are offered by HART:

<i>Services Offered</i>	<i>Description</i>
<b><i>Professional IT Services Offered</i></b>	<p>Systems engineering and analysis, distributed architectures, computational systems and networking solutions for local area and wide area applications, modeling and simulation, and database solutions. Solutions developed by HART are designed to perform in extreme time critical environments, and are used to enable and support complex distributed computing environments for time critical IT applications</p> <p>HART expertise includes long term and successful implementation of integrated computers, networks, software and support tools which accurately simulate and/or emulate complex real-world systems including vehicle systems, sensors, communications, command and control networks, weapons and navigation systems operating in a computer-generated synthetic virtual environment.</p> <p>HART performs IT services and training addressing a diverse application space with expert capabilities in the areas of large-scale time critical IT project planning, management and deployment. HART has specialized expertise in requirements management and testing, technical project management, custom applications development and integration, network engineering, process re-engineering and improvements based on CMMI® practices and standards for large scale time critical IT solutions.</p> <p>HART specializes in the adaptation and integration of its proprietary Carnivore Advanced Simulation Environment (C_ASE) advanced design, simulation and integration tools which dramatically enhances engineering development, integration and testing of complex distributed systems.</p> <p>Professional IT services available from HART include: product life cycle development and sustainment, modeling and simulation, software programming, technical writing, planning, system evaluation and testing, operator/user training, time critical and M&amp;S systems Subject Matter Experts, along with solution focused technical consulting.</p>
<b><i>Advanced engineering support tools and techniques for distributed time critical applications</i></b>	<p>The HART Carnivore ASE (C_ASE) tool suite produces a structured real-time distributed computing environment in which all physical interfaces inter-process communications are centrally defined and managed (Hosted) allowing Client applications to freely post and subscribe to system data across a local area network infrastructure. Support tools developed by HART leverage and exploit this system architecture with functions which substantially benefit system integration, testing, and training capabilities.</p>

<b><i>Services Offered</i></b>	<b><i>Description</i></b>
<b><i>Simulated Synthetic Environments</i></b>	The HART team produces visual and sensor simulations, correlated database models, computer generated semi-automated force environments and simulations scenario development and mission planning for military engineering and training applications.
<b><i>LAN /Networking /Distributed Computing</i></b>	HART offers engineering expertise in network design and implementation using commercially available technologies including: Microsoft 2003 LAN Server, Novell Netware, Microsoft NT, Distributed Interactive Simulation (DIS), High Level Architecture (HLA), Data Distribution Service (DDS) for Real Time Systems, and XML database design and implementation.
<b><i>Subject Matter Expertise</i></b>	HART experience and capabilities includes software modeling and simulation applicable to engineering applications, as well virtual and constructive training solutions for military fixed wing, rotary wing, and ground platforms. HART training system experience spans the instructional domain from low level part-task training devices through distributed interoperable mission rehearsal training systems. Additionally, the HART team produces System Integration and Test Lab environments which includes the design and integration of computer and networks hardware and software, complex sensors and interfaces, and related controls, simulation, and stimulation software applications.

**Customer Information:**

**1a. Table of Awarded Special Item Number(s) with appropriate cross-reference to page numbers:**

SIN	Description
33411 & 33411RC	Purchasing of new electronic equipment
811212 & 811212RC	Maintenance of Equipment, Repair Services and/or Repair/Spare Parts
511210 & 511210RC	Software Licenses
54151 & 54151RC	Software Maintenance Services
611420 & 611420RC	Information Technology Training
54151S & 54151SRC	Information Technology Professional Services
OLM	Order-Level Materials (OLM)

**1b. Identification of the lowest priced model number and lowest unit price for that model for each special item number awarded in the contract. This price is the Government price based on a unit of one, exclusive of any quantity/dollar volume, prompt payment, or any other concession affecting price. Those contracts that have unit prices based on the geographic location of the customer, should show the range of the lowest price, and cite the areas to which the prices apply.**

See Pricelist

**1c. If the Contractor is proposing hourly rates a description of all corresponding commercial job titles, experience, functional responsibility and education for those types of employees or subcontractors who will perform services shall be provided. If hourly rates are not applicable, indicate "Not applicable" for this item.**

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**2. Maximum Order:**

SIN	Maximum Order*
33411 & 33411RC	\$500,000
811212 & 811212RC	\$500,000
511210 & 511210RC	\$500,000
54151 & 54151RC	\$500,000
611420 & 611420RC	\$250,000
54151S & 54151SRC	\$500,000
OLM	\$250,000

\*If the best value selection places your order over the Maximum Order identified in this catalog/pricelist, you have an opportunity to obtain a better schedule contract price. Before placing your order, contact the aforementioned contractor for a better price. The contractor may (1) offer a new price for this requirement (2) offer the lowest price available under this contract or (3) decline the order. A delivery order that exceeds the maximum order may be placed under the schedule contract in accordance with FAR 8.404.

**3. Minimum Order: \$100.00**

**4. Geographic Coverage (delivery Area):** Domestic delivery is delivery within the 48 contiguous states, Alaska, Hawaii, Puerto Rico, Washington, DC, and U.S. Territories. Domestic delivery also includes a port or consolidation point, within the aforementioned areas, for orders received from overseas activities

**5. Point(s) of production (city, county, and state or foreign country):** United States

**6. Discount from list prices or statement of net price:** Government net prices (discounts already deducted).

**7. Quantity discounts:**

<b>SIN</b>	<b>Quantity/Volume Discount</b>
33411 & 33411RC	25-74 units: 10% 75-149 units: 15% 150+ units: 20%
811212 & 811212RC	None
511210 & 511210RC	6-15 units: 10% 16-25 units: 20% 26-50 units: 25% 51-75 units: 30% 76+ units: 35%
54151 & 54151RC	None
611420 & 611420RC	None
54151S & 54151SRC	None

**8. Prompt payment terms:** ½% 20 Days; Net 30 Days

**9a. Notification that Government purchase cards are accepted up to the micro-purchase threshold:** Yes

**9b. Notification whether Government purchase cards are accepted or not accepted above the micro-purchase threshold:** Will not accept over the micropurchase threshold

**10. Foreign items (list items by country of origin):** None

**11a. Time of Delivery (Contractor insert number of days):**

<b><u>SPECIAL ITEM NUMBER</u></b>	<b><u>DELIVERY TIME (Days ARO)</u></b>
33411 & 33411RC	45 Days / As Negotiated with Ordering Agency
811212 & 811212RC	As Negotiated with Ordering Agency
511210 & 511210RC	30 Days / As Negotiated with Ordering Agency
54151 & 54151RC	As Negotiated with Ordering Agency
611420 & 611420RC	As Negotiated with Ordering Agency
54151S & 54151SRC	As Negotiated with Ordering Agency

**11b. Expedited Delivery.** The Contractor will insert the sentence “Items available for expedited delivery are noted in this price list.” under this heading. The Contractor may use a symbol of its choosing to highlight items in its price list that have expedited delivery: Contact Contractor

**11c. Overnight and 2-day delivery.** The Contractor will indicate whether overnight and 2-day delivery are available. Also, the Contractor will indicate that the schedule customer may contact the Contractor for rates for overnight and 2-day delivery: Contact Contractor

**11d. Urgent Requirements.** The Contractor will note in its price list the “Urgent Requirements” clause of its contract and advise agencies that they can also contact the Contractor’s representative to affect a faster delivery: Contact Contractor

**12. F.O. B Points(s):** Destination

**13a. Ordering Address(es):** HART Technologies, Inc.  
7060 Infantry Ridge Drive  
Manassas, VA 20109  
Attention: Lori Wilson

- 13b. Ordering procedures: For supplies and services, the ordering procedures, information on Blanket Purchase Agreements (BPA's) are found in Federal Acquisition Regulation (FAR) 8.405-3.**
- 14. Payment address(es):** HART Technologies, Inc.  
7060 Infantry Ridge Drive  
Manassas, VA 20109  
Attention: Lori Wilson
- 15. Warranty provision.:** Contractor's standard commercial warranty.
- 16. Export Packing Charges (if applicable):** N/A
- 17. Terms and conditions of Government purchase card acceptance (any thresholds above the micro-purchase level):** Contact Contractor
- 18. Terms and conditions of rental, maintenance, and repair (if applicable):** N/A
- 19. Terms and conditions of installation (if applicable):** N/A
- 20. Terms and conditions of repair parts indicating date of parts price lists and any discounts from list prices (if applicable):** N/A
- 20a. Terms and conditions for any other services (if applicable):** N/A
- 21. List of service and distribution points (if applicable):** N/A
- 22. List of participating dealers (if applicable):** N/A
- 23. Preventive maintenance (if applicable):** N/A
- 24a. Environmental attributes, e.g., recycled content, energy efficiency, and/or reduced pollutants:** N/A
- 24b. If applicable, indicate that Section 508 compliance information is available on Electronic and Information Technology (EIT) supplies and services and show where full details can be found (e.g. contactor's website or other location.) The EIT standards can be found at: [www.Section508.gov/](http://www.Section508.gov/).**
- 25. Data Universal Numbering System (DUNS) number:** 110746802
- 26. Notification regarding registration in the System for Award Management (SAM) Database:** Registered

**INFORMATION TECHNOLOGY CATEGORY  
 HARDWARE SUBCATEGORY  
 SIN 811212 Hardware Repair Service Order Terms**

1) Service Areas

- a) The maintenance and/or repair service rates per the contract are applicable to any ordering activity locations within a 50 (\*\*insert miles) mile radius of the Contractor/Original Equipment Manufacturer (OEM) service points.. If any additional charge is to apply because of the greater distance from the Contractor/OEM service locations, the mileage rate or other distance factor shall be negotiated at the Task Order level.
- b) When maintenance and/or repair services cannot be performed at the ordering activity installation site, the repair services will be performed at the Contractor's plant(s) listed below:

HART Technologies, Inc., 7060 Infantry Ridge Road		
Address		
Manassas	VA	20109
City	State	Zip Code

2) Loss or Damage

When the Contractor moves equipment to its/OEM location for repairs, the Contractor shall be responsible for any damage or loss, from the time the equipment is removed from the ordering activity installation, until the equipment is returned to such installation.

3) Scope

- a) The Contractor shall provide maintenance for all equipment listed herein, as requested by the ordering activity during the contract term. Repair service and repair parts/spare parts shall apply exclusively to the equipment types/models within the scope of the Information Technology Category.
- b) Equipment placed under maintenance and/or service shall be in good operating condition.
  - i) In order to determine that the equipment is in good operating condition, the equipment shall be subject to inspection by the Contractor, without charge to the ordering activity.
  - ii) Costs of any repairs performed for the purpose of placing the equipment in good operating condition shall be borne by the Contractor, if the equipment was under the Contractor/OEM guarantee/warranty or maintenance responsibility prior to the effective date of the maintenance order.
  - iii) If the equipment was not under the Contractor/OEM responsibility, the costs necessary to place the equipment in proper operating condition are to be borne by the ordering activity, in accordance with the provisions of the contract.

4) Responsibilities

- a) For equipment not covered by a maintenance contract or warranty, repair service personnel shall complete repairs as soon as possible after notification by the ordering activity that service is required. Within the service areas, this repair service should normally be done within 4 hours after notification.
  - b) If the Ordering Activity task or delivery order specifies a factory authorized/certified service personnel then the Contractor is obligated to provide such a factory authorized/certified service personnel for the equipment to be repaired or serviced, unless otherwise agreed to in advance between the Ordering Activity and the Contractor.
- 5) Repair Service Rate Provisions
- a) Charges for repair service will include the labor charge, computed at the rates set forth below, for the time during which repairmen are actually engaged in work, and, when applicable, the charge for travel or transportation.
  - b) Multiple Machines: When repairs are ordered by the ordering activity on two or more machines located in one or more buildings within walking distance of each other, the charges will be computed from the time the repairman commences work on the first machine, until the work is completed on the last machine. The time required to go from one machine to another, or from one building to another, will be considered actual work performance, and chargeable to the ordering activity, provided the time consumed in going between machines (or buildings) is reasonable.
  - c) At the Contractor/OEM's Facility
    - i) When equipment is returned to the Contractor/OEM's Facility for adjustments or repairs which are not covered by the guarantee/warranty provision, the cost of transportation, packing, etc. from the ordering activity location to the Contractor's plant, and return to the ordering activity location, shall be borne by the ordering activity.
    - ii) The ordering activity should not return defective equipment to the Contractor/OEM for adjustments and repairs or replacement without prior consultation and instruction.
  - d) At the Ordering Activity Location (Within Established Service Areas)
    - i) When equipment is repaired at the ordering activity location, and repair service rates are established for service areas or zones, the listed rates are applicable to any ordering activity location within such service areas or zones. No extra charge, time, or expense will be allowed for travel or transportation of repairmen or machines to or from the ordering activity office; such overhead is included in the repair service rates.
  - e) At the Ordering Activity Location (Outside Established Service Areas)
    - i) If repairs are to be made at the ordering activity location, and the location is outside the service area terms defined in the GSA Price list. Rates negotiated at the task order will apply.
    - ii) When the overall travel charge computed at the above mileage rate is unreasonable (considering the time required for travel, actual and necessary transportation costs, and the allowable ordering activity per diem rate for each night the repairman is required to remain overnight at the ordering activity location), the ordering activity shall have the option of reimbursing the Contractor for actual costs, provided that the actual costs are reasonable and allowable. The Contractor shall furnish the ordering activity with a report of travel performed and related expenses incurred. The report shall include departure and arrival dates, times, and the applicable mode of travel.
  - f) Labor Rates

- i) Regular Hours: Contract rates shall entitle the ordering activity to repair service during the period 8:00 a.m. to 5:00 p.m., Monday through Friday, exclusive of holidays observed at the ordering activity location. There shall be no additional charge for repair service, which was requested during regular hours, but performed at the convenience of the Contractor outside the regular hours.
- ii) After Hours: Should the ordering activity require that service be performed outside of regular hours, charges for such service, if any, will be specified in the GSA Price List (I-FSS-600 CONTRACT PRICE LISTS (OCT 2016)). Periods of less than one hour will be prorated to the nearest quarter hour.
- iii) Sundays and Holidays: When the ordering activity requires that repair service be performed on Sundays and Holidays observed at the ordering activity location, the Sundays and Holidays repair service rates shall apply, and will be specified in the GSA Price List (I-FSS-600 CONTRACT PRICE LISTS (OCT 2016)). Periods of less than one hour will be prorated to the nearest quarter hour.

Repair Service Rates

	Minimum Charge * - Regular Hours	Hourly Rate - After Hours	Hourly Rate - Sunday and Holidays
Contractor/OEM Facility	\$151.54	\$151.54	\$227.31
Ordering Activity Location (Within Established Service Areas)	\$303.08	\$151.54	\$303.08
Ordering Activity Location (Outside Established Service Areas)	\$303.08	\$151.54	\$303.08

\*MINIMUM CHARGES INCLUDE FULL   1   HOURS ON THE JOB

**Notes:**

All Delivery orders for services outside of HART Technologies, Inc. will be negotiated on a case-by-case basis.

\*\* FRACTIONAL HOURS, AT THE END OF THE JOB, WILL BE PRORATED TO THE NEXT NEAREST QUARTER HOUR.

4) Repair Parts/Spare Parts Rate Provision

- a) All parts, furnished as spares or as repair parts in connection with the repair of equipment, unless otherwise indicated in the GSA Price list shall be new, standard parts manufactured by the OEM.
- b) All parts shall be furnished at the prices indicated in the Contractor's commercial pricelist dated   08-Feb-17  , at a discount of   cost   plus   12.5  % from such listed prices.

**INFORMATION TECHNOLOGY CATEGORY  
 HARDWARE SUBCATEGORY  
 SIN 811212 Hardware Maintenance Order Terms**

1) Service Areas

- a) The maintenance and/or repair service rates per the contract are applicable to any ordering activity locations within a 50 (\*\*insert miles) mile radius of the Contractor/Original Equipment Manufacturer (OEM) service points.. If any additional charge is to apply because of the greater distance from the Contractor/OEM service locations, the mileage rate or other distance factor shall be negotiated at the Task Order level.
- b) When maintenance and/or repair services cannot be performed at the ordering activity installation site, the repair services will be performed at the Contractor's plant(s) listed below:

HART Technologies, Inc., 7060 Infantry Ridge Road		
Address		
Manassas	VA	20109
City	State	Zip Code

2) Loss or Damage

When the Contractor moves equipment to its/OEM location for repairs, the Contractor shall be responsible for any damage or loss, from the time the equipment is removed from the ordering activity installation, until the equipment is returned to such installation.

3) Scope

- a) The Contractor shall provide maintenance for all equipment listed herein, as requested by the ordering activity during the contract term. Repair service and repair parts/spare parts shall apply exclusively to the equipment types/models within the scope of the Information Technology Category.
- b) Equipment placed under maintenance service shall be in good operating condition.
  - i) In order to determine that the equipment is in good operating condition, the equipment shall be subject to inspection by the Contractor, without charge to the ordering activity.
  - ii) Costs of any repairs performed for the purpose of placing the equipment in good operating condition shall be borne by the Contractor, if the equipment was under the Contractor/OEM guarantee/warranty or maintenance responsibility prior to the effective date of the maintenance order.
  - iii) If the equipment was not under the Contractor/OEM responsibility, the costs necessary to place the equipment in proper operating condition are to be borne by the ordering activity, in accordance with the provisions of the contract.

4) Responsibilities

- a) For equipment not covered by a maintenance contract or warranty, repair service personnel shall complete repairs as soon as possible after notification by the ordering activity that service is required. Within the service areas, this repair service should normally be done within 4 hours after notification.
- b) If the Ordering Activity task or delivery order specifies a factory authorized/certified service personnel then the Contractor is obligated to provide such a factory authorized/certified service personnel for the equipment to be repaired or serviced, unless otherwise agreed to in advance between the Ordering Activity and the Contractor.

5) Maintenance Rate Provisions

- a) The Contractor shall bear all costs of maintenance, including labor, parts, and such other expenses as are necessary to keep the equipment in good operating condition, provided that the required repairs are not occasioned by fault or negligence of the ordering activity.
  - ii) Regular Hours: The basic monthly rate for each make and model of equipment shall entitle the ordering activity to maintenance service during a mutually agreed upon nine (9) hour principal period of maintenance, Monday through Friday, exclusive of holidays observed at the ordering activity location.
  - iii) After Hours: Should the ordering activity require that maintenance be performed outside of regular hours, charges for such maintenance, if any, will be specified in the GSA Price List (I-FSS-600 CONTRACT PRICE LISTS (OCT 2016). Periods of less than one hour will be prorated to the nearest quarter hour.
  - iv) Travel and Transportation: If any charge is to apply, over and above the regular maintenance rates, due to the distance between the ordering activity location and the Contractor/OEM's service area, the charge will be negotiated at the Task Order level.

	Yes	No
Indicate if there will be an additional charge for travel and transportation.	X	

- b) Quantity Discounts from listed maintenance service rates for multiple equipment owned and/or leased by an ordering activity shall be provided below.

Quantity Range	Discounts
N/A	N/A

**SIN 611420 & 611420RC – TRAINING COURSES**

<b>Course Title:</b>	<b>V-TRA-TM-U Verify Test Manager User Training</b>
<b>Description:</b>	A hands-on training course in the lab designed to train IT engineers, test personnel and operators in the organization, capabilities and operation of the Test Manager tool. The focus of the training is the operation, data collection and analysis of data produced by Test Manager, At the end of this course the participants will have the knowledge and ability plan and design test procedures and to begin testing operations with Test Manager
<b>Length:</b>	<u>1</u> day
<b>Prerequisites:</b>	None
<b>Class Size:</b>	Minimum 1; Maximum 5.
<b>Training Locations:</b>	7060 Infantry Ridge Dr, Manassas, VA,
<b>Class Schedules:</b>	Contact: Lori Wilson at (703) 626-6969
<b>Special Notes:</b>	
<b>Price</b>	\$2,751.89

<b>Course Title:</b>	<b>V-TRA-TM -A Verify Test Manager Advanced Training</b>
<b>Description:</b>	A hands-on training course in the lab designed to introduce and train systems engineers, software engineers and test personnel, in the advanced concepts of test management, organization and execution for large scale IT and M&S projects. The focus of the training is the setup, configuration, planning, sustainment and expansion of Test Manager functions as it pertains to the attendee’s specific application of the tool. At the end of this course the participants will have the knowledge and ability to design, program and implement expanded functionality of Test Manager’s operational capability.
<b>Length:</b>	<u>3</u> days
<b>Prerequisites:</b>	None
<b>Class Size:</b>	Minimum 1; Maximum 5.
<b>Training Locations:</b>	7060 Infantry Ridge Dr, Manassas, VA,
<b>Class Schedules:</b>	Contact: Lori Wilson at (703) 626-6969
<b>Special Notes:</b>	
<b>Price</b>	\$8,255.67

<b>Course Title:</b>	<b>V-TRA-SDK Carnivore Software Developers Toolkit</b>
<b>Description:</b>	A hands-on training course in the lab oriented towards IT engineers, system architects, software engineers, operators and test personnel in the concepts of Carnivore core architecture, interfaces, organization and capabilities. The focus of the training is the architecture, integration, operations, sustainment and expansion of Carnivore as it pertains to the attendee’s specific application. At the end of this course the participants will have the knowledge and ability to develop strategies for functional design and integration of Carnivore libraries and functions into a distributed time critical hardware and software application. Student will be prepared to begin operations with Carnivore and plan for the development and integration of user specific simulation and test functions.
<b>Length:</b>	<u>5</u> days
<b>Prerequisites:</b>	None
<b>Class Size:</b>	Minimum 1; Maximum 5.
<b>Training Locations:</b>	7060 Infantry Ridge Dr, Manassas, VA
<b>Class Schedules:</b>	Contact: Lori Wilson at (703) 626-6969
<b>Special Notes:</b>	

<b>Price</b>	\$13,759.45
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<b>Course Title:</b>	<b>V-TRA-EXM-U Verify Exercise Manager User Training</b>
<b>Description:</b>	A hands-on training course in the lab designed to introduce systems engineers, instructional systems and test personnel, in the design, capabilities and implementation strategies of the Verify Exercise Manager tool. The focus of the training is on the scenario planning including preprogrammed computer generated forces (CGF), mission execution, data collection, analysis, and after action review of a training exercise or test event as it pertains to the attendee's specific application. At the end of this course the participants will have the knowledge and ability to develop a scenario, execute a simple mission, collect and analyze mission data, and present a relevant after action review briefing.
<b>Length:</b>	3 days
<b>Prerequisites:</b>	None
<b>Class Size:</b>	Minimum 1; Maximum 5.
<b>Training Locations:</b>	7060 Infantry Ridge Dr, Manassas, VA
<b>Class Schedules:</b>	Contact: Lori Wilson at (703) 626-6969
<b>Special Notes:</b>	
<b>Price</b>	\$8,255.67

<b>Course Title:</b>	<b>V-TRA-EXM-D Verify Exercise Manager Developer Training</b>
<b>Description:</b>	A hands-on training course in the lab designed to introduce systems engineers, instructional system designers, software engineers and test personnel, in the architecture, core design, capabilities and implementation methods of the Verify Exercise Manager tool. The focus of the training is on the design, integration, and expansion of scenario planning features computer generated forces (CGF) functions, mission execution, data collection features and after action review functions as they pertain to the attendee's specific application. At the end of this course the participants will have the knowledge and ability to develop design, program, integrate and test new and expanded capabilities using Exercise Manager
<b>Length:</b>	5 days
<b>Prerequisites:</b>	None
<b>Class Size:</b>	Minimum 1; Maximum 5.
<b>Training Locations:</b>	7060 Infantry Ridge Dr, Manassas, VA
<b>Class Schedules:</b>	Contact: Lori Wilson at (703) 626-6969
<b>Special Notes:</b>	
<b>Price</b>	\$13,759.45

<b>Course Title:</b>	<b>V-TRA-ATE-U Verify Automated Test Environment User Training</b>
<b>Description:</b>	A hands-on training course in the lab designed to introduce systems engineers, test personnel, in the design, capabilities and implementation strategies of the Automated Test Environment (ATE) tool. The focus of the training is on the capabilities and implantation strategies to incorporate ATE into the attendee's specific application. At the end of this course the participants will have the knowledge and ability to develop an automated test scenario, execute the test scenario, record, collect and analyze test data, and represent test data in the multiple plotting formats provided by the tool.
<b>Length:</b>	3 days
<b>Prerequisites:</b>	None
<b>Class Size:</b>	Minimum 1; Maximum 5.
<b>Training Locations:</b>	7060 Infantry Ridge Dr, Manassas, VA
<b>Class Schedules:</b>	Contact: Lori Wilson at (703) 626-6969

<b>Special Notes:</b>	
<b>Price</b>	\$8,255.67

<b>Course Title:</b>	<b>V-TRA-ATE-D Verify Automated Test Environment Developer Training</b>
<b>Description:</b>	A hands-on training course in the lab designed to introduce IT engineers, systems analysts, software engineers and test personnel, in the architecture, core design, capabilities and integration methods of the Verify Automated Test Environment tool. The focus of the training is on design, integration strategies and further design and expansion of ATE functions as they pertain to the attendee's specific application. At the end of this course the participants will have the knowledge and ability to develop design, program, integrate and test new and expanded capabilities using the ATE.
<b>Length:</b>	5 days
<b>Prerequisites:</b>	None
<b>Class Size:</b>	Minimum 1; Maximum 5.
<b>Training Locations:</b>	7060 Infantry Ridge Dr, Manassas, VA
<b>Class Schedules:</b>	Contact: Lori Wilson at (703) 626-6969
<b>Special Notes:</b>	
<b>Price</b>	\$13,759.45

**HART TECHNOLOGIES, INC. LABOR RATES**

<b>SIN (All SINs are Recovery Purchasing)</b>	<b>Order #</b>	<b>Labor Category</b>	<b>Rates Effective 3/26/17</b>	<b>Rates Effective 3/26/18</b>	<b>Rates Effective 3/26/19</b>	<b>Rates Effective 3/26/20</b>	<b>Rates Effective 3/26/21</b>
54151S	H001	Consultant - IT Analyst	\$471.52	\$490.00	\$509.21	\$529.17	\$549.91
54151S	H002	Consultant - Process and Applications	\$374.22	\$388.89	\$404.13	\$419.97	\$436.43
54151S	H003	Application Development Manager	\$236.65	\$245.93	\$255.57	\$265.59	\$276.00
54151S	H004	Subject Matter Expert	\$217.82	\$226.36	\$235.23	\$244.45	\$254.03
54151S	H005	Application Manager	\$204.91	\$212.94	\$221.29	\$229.96	\$238.97
54151S	H006	Application Integration Specialist	\$188.76	\$196.16	\$203.85	\$211.84	\$220.14
54151S	H007	Requirements Analyst II	\$173.75	\$180.56	\$187.64	\$195.00	\$202.64
54151S	H008	Systems Architect	\$171.04	\$177.74	\$184.71	\$191.95	\$199.47
54151S	H009	Systems Analyst	\$167.80	\$174.38	\$181.22	\$188.32	\$195.70
54151S	H010	Quality Assurance Manager	\$164.45	\$170.90	\$177.60	\$184.56	\$191.79
54151S	H011	Application Support Analyst	\$161.35	\$167.67	\$174.24	\$181.07	\$188.17
54151S	H012	User Interface Analyst II	\$155.38	\$161.47	\$167.80	\$174.38	\$181.22
54151S	H013	Programmer Analyst	\$141.14	\$146.67	\$152.42	\$158.39	\$164.60
54151S	H014	Contract Manager	\$140.95	\$146.48	\$152.22	\$158.19	\$164.39
54151S	H015	System/Software Application Tester	\$138.34	\$143.76	\$149.40	\$155.26	\$161.35
54151S	H016	Software Engineer II	\$135.72	\$141.04	\$146.57	\$152.32	\$158.29
54151S	H017	Requirements Analyst	\$133.02	\$138.23	\$143.65	\$149.28	\$155.13
54151S	H018	Quality Assurance Analyst	\$130.70	\$135.82	\$141.14	\$146.67	\$152.42
54151S	H019	Software Engineer I	\$118.57	\$123.22	\$128.05	\$133.07	\$138.29
54151S	H020	User Interface Analyst I	\$118.57	\$123.22	\$128.05	\$133.07	\$138.29
54151S	H021	Programmer	\$99.00	\$102.88	\$106.91	\$111.10	\$115.46
54151S	H022	Technical Writer	\$83.89	\$87.18	\$90.60	\$94.15	\$97.84
54151S	H023	Production Engineer	\$87.95	\$91.40	\$94.98	\$98.70	\$102.57
54151S	H024	Shop Supervisor I	\$100.76	\$104.71	\$108.81	\$113.08	\$117.51
54151S	H025	Technician/Assembler II	\$79.17	\$82.27	\$85.49	\$88.84	\$92.32
54151S	H026	Technician/Assembler I	\$64.77	\$67.31	\$69.95	\$72.69	\$75.54
54151S	H027	Technical Admin	\$57.57	\$59.83	\$62.18	\$64.62	\$67.15
54151S	H028	Engineer I	\$118.67	\$123.32	\$128.15	\$133.17	\$138.39

**HART TECHNOLOGIES, INC. LABOR CATEGORY DESCRIPTIONS**

<b>Order #</b>	<b>Labor Category</b>	<b>Minimum Experience</b>	<b>Minimum Education</b>	<b>Functional Responsibility</b>
H001	Consultant - IT Analyst	7 years' specific relevant development and support experience and/or equivalent specialized training and expert skills in relevant subject matter area	BS - relevant technical degree or equivalent documented military or commercial training	The IT Analyst Consultant provides onsite coordination and assistance to Client management and technical personnel to plan, coordinate, and supervise all activities related to the design, development and integration of hardware, software programs and applications into the organization's information systems. The IT Analyst is responsible to assist the Customer's team to test and validate the interoperability of application modules under development by in-house software development teams. IT Analyst skills and experience will include: proven communication skills, problem-solving skills and a thorough knowledge of integration best practices are critical to successful performance in this role. Consulting services are provided at a designated Customer facility.
H002	Consultant - Process and Applications	5 yrs. relevant on the job experience. 2 yrs. development and implementation experience in technical application related to Customer's objectives and needs	BS - relevant technical degree or equivalent documented military or commercial training	The Process / Applications specialist develops and deliver onsite training covering the operations, maintenance and programming support of HART software products, and assist with the integration and validation of HART software elements into the customer's hardware and software applications. Training and technical support is may be provided at both HART or designated Customer facilities
H003	Application Development Manager	10 yrs. work experience, 5 years' specific experience managing technically oriented product development and/or service programs	BS/BA - in relevant Business, Project Management or Technical domain	The Applications Development Manager plans and is accountable for overall direction, control and reporting of one or more large scale integrated IT or Modeling & Simulation projects. Provides management oversight and guidance to ensure all performance, schedule and cost objectives are accomplished. Prepares and maintains project documentation including: budgets, budget status and variations analysis, project schedules, status reports, and various planning and implementation documents. Acts as primary focal point for all customer interface and communications. Coordinates, hosts, and conducts periodic program reviews.

<b>Order #</b>	<b>Labor Category</b>	<b>Minimum Experience</b>	<b>Minimum Education</b>	<b>Functional Responsibility</b>
H004	Subject Matter Expert	7 years' specific relevant experience and/or equivalent specialized training and expert skills in relevant subject matter area	BS - in relevant domain or equivalent documented military or commercial training	The Subject Matter Expert (SME) is responsible to analyze and direct the technical design approach in his or her area of expertise and assists testing personnel in the evaluation of product compliance against established design goals. The SME directly interfaces with the client and end user personnel to coordinate and negotiate design, performance and implementation requirements.
H005	Application Manager	7 yrs. work experience, 2 years' specific experience managing technically oriented product development and/or service programs	BS/BA - in relevant Business, Project Management or Technical domain	The Applications Manager's role is to establish and supervise the appropriate levels for staffing and supervision of the technical team. The Applications Manager is responsible for planning and coordinating the processes required for the provision of user applications and systems necessary for IT, M&S, and real-time data management systems operations. This individual will apply proven communication and problem-solving skills to guide and assist the user group on issues related to the design, development, and deployment of mission-critical information and software systems.
H006	Application Integration Specialist	7 years' relevant job experience and 2 yrs. specific relevant product development and support experience	BS - relevant technical degree	The Application Integration Specialist's role is to plan, coordinate, and supervise all activities related to the integration of software programs and applications into the organization's information systems. This individual is also responsible for testing real-time performance and the interoperability of application modules under development by in-house software development teams. Proven communication skills, problem-solving skills, and a thorough knowledge of integration best practices are critical to successful performance in this role.

Order #	Labor Category	Minimum Experience	Minimum Education	Functional Responsibility
H007	Requirements Analyst II	7 years' specific relevant job experience and 2 yrs. specific relevant product development and support experience	BS - relevant technical degree	The Requirements Analyst's role is to elicit, analyze, specify, and validate the needs of project stakeholders, be they customers or end-users. This includes interviewing stakeholders and gathering and compiling user requirements to convey to development teams throughout the development lifecycle. This Requirements Analyst will also apply proven communication, analytical, and problem-solving skills to help support the development process, and to ensure that project deliverables are met according to specifications.
H008	Systems Architect	7 years' relevant job experience and 2 yrs. specific product design and development experience	BS - relevant technical degree	The Systems Architect's role is to analyze design and implement computer architectures, information systems and networked software architectures that support customer product performance requirements and objectives and to assure their high availability. This individual will gain organizational commitment for all systems and software plans, as well as evaluate and select all technologies required to complete those plans. In addition, the Systems Architect provides technical leadership across the organization, from strategic decision making down to the project planning level.
H009	Systems Analyst	6 years' specific relevant job experience	BS - relevant technical degree	The Systems Analyst's role is to plan, design, develop, and launch efficient IT, M&S, and real-time data systems following core organizational functions and processes. This includes gathering and analyzing data in support of proposed projects, systems requirements and design solutions. The Systems Analyst is also responsible for generating and compiling specifications and reports based on their findings, complete with probable causes and alternative solutions to systems issues. The System Analyst is responsible to evaluate, plan and implement computational system designs to support time critical environments for software and networking. This individual will apply proven communication, analytical, and problem-solving skills to help maximize the benefit of IT system investments.

<b>Order #</b>	<b>Labor Category</b>	<b>Minimum Experience</b>	<b>Minimum Education</b>	<b>Functional Responsibility</b>
H010	Quality Assurance Manager	6 years' relevant job experience and 2 yr. specific relevant experience in Software QA management	BS - relevant degree or equivalent military or commercial training and experience	The Quality Assurance Manager's role is to develop, establish, and enforce quality assurance standards and measures for the information technology services within the organization. Overseeing a contingent of QA Analysts, QA Team Leads, and QA Engineers, this individual will direct research and development in support of IT, M&S, and real-time data systems solutions, proposed projects, and systems requirements over the course of the development lifecycles. The QA Manager will apply proven analytical and problem-solving skills to help validate IT processes through careful testing in order to maximize the benefit of business investments in IT initiatives.
H011	Application Support Analyst	5 years' relevant job experience and 1 yr. specific relevant product design and development experience	BS - relevant technical degree or equivalent military or commercial training and experience	The Application Support Analyst's role is to deliver support to end users in the organization about how to use various types of software programs efficiently and effectively in fulfilling IT, M&S, and real-time data systems objectives. This includes troubleshooting applications and software for all internal customers, such as operations, development, and other business units. The Application Support Analyst is also responsible for assisting in the design, delivery, and improvement of in-house software applications training programs and related courseware.
H012	User Interface Analyst II	5 years' relevant job experience and 1 yr. specific relevant product design and development experience	BS - relevant technical degree or equivalent military or commercial training and experience	The role of the User Interface Analyst is to prototype, design, and build graphic user interfaces (GUIs) for software development, Web forms, and other applications. This includes capturing user requirements through collaboration with systems analysts and systems architects, leading and participating in testing sessions, and coordinating final implementation of the GUI based on feedback. Use of a variety of Web and software development languages is required.
H013	Programmer Analyst	5 years' relevant job experience and 1 yr. specific relevant product design and development experience	BS - relevant technical degree or equivalent military or commercial training and experience	The Programmer Analyst's role is to define, develop, test, analyze, and maintain new software applications in support of the achievement of IT, M&S, and real-time data systems requirements. This includes writing, coding, testing, and analyzing software programs and applications. The Programmer Analyst will also research, design, document, and modify software specifications throughout the production life cycle.

<b>Order #</b>	<b>Labor Category</b>	<b>Minimum Experience</b>	<b>Minimum Education</b>	<b>Functional Responsibility</b>
H014	Contract Manager	4 years contracting experience, 2 yrs. specific relevant Government contracting experience	BS/BA - in relevant business domain or equivalent military or commercial training and experience	The role of the Contract Manager (CM) is to support, manage and administer contracts, to issue and oversee licensing for products and services acquired from the corporation. This includes oversight of the execution of requests for proposals (RFPs), requests for qualification (RFQs), and invitations to bid (ITBs), The CM is responsible for product licensing, deliveries, and warranty issues. The CM will also define and facilitate communication between the enterprise and its providers in order to deliver products and services according to plan and within budget.
H015	System/Software Application Tester	4 years' relevant job experience and 1 yr. specific relevant product design and development experience	BS - relevant technical degree or equivalent military or commercial training and experience	The Systems/Software Application Tester's role is to plan, design, architect, and deploy effective test suites and regimes for in-house product development, software application development, information system launches, and operations systems enhancements. This individual will apply proven analytical and problem-solving skills to help validate, verify, communicate, and resolve systems/software application issues through careful testing in order to maximize the benefit of IT investments and initiatives.
H016	Software Engineer II	3 years' relevant job experience and 1 yr. specific relevant product design and development experience	BS - relevant technical degree or equivalent military or commercial training and experience	The Software Engineer's role is to design, execute, assess, and troubleshoot software programs and applications. This includes configuring, coding, developing, and documenting software specifications throughout the project life cycle. The Software Engineer will also oversee system startups in a timely and accurate fashion, and provide support to other departments where required.
H017	Requirements Analyst	3 years' relevant job experience and 1 yr. specific relevant product design and development experience	BS - relevant technical degree or equivalent military or commercial training and experience	The Requirements Analyst's role is to elicit, analyze, specify, and validate the needs of project stakeholders, be they customers or end-users. This includes interviewing stakeholders and gathering and compiling user requirements to convey to development teams throughout the software lifecycle. The Requirements Analyst will also apply proven communication, analytical, and problem-solving skills to help support the development process, and to ensure that project deliverables are met according to specifications.

<b>Order #</b>	<b>Labor Category</b>	<b>Minimum Experience</b>	<b>Minimum Education</b>	<b>Functional Responsibility</b>
H018	Quality Assurance Analyst	3 years' relevant job experience in Software Quality Assurance	AS - relevant technical program or equivalent military or commercial training and experience	The Quality Assurance Analyst's role is to develop and establish quality assurance standards and measures for the information technology services within the organization. This individual will also gather and analyze data in support of IT, M&S, and real-time data systems, proposed projects, and systems requirements. This will include writing test plans and scripts for tracking defects and fixes in product development, software application development, information systems, and operations systems. The QA Analyst will apply proven analytical and problem-solving skills to help validate IT processes through careful testing in order to maximize the benefit of business investments in IT initiatives.
H019	Software Engineer I	2 years' relevant job experience	BS - relevant technical degree or equivalent military or commercial training and experience	The Software Engineer's role is to design, execute, assess, and troubleshoot software programs and applications. This includes configuring, coding, developing, and documenting software specifications throughout the project life cycle. The Software Engineer will also oversee system startups in a timely and accurate fashion, and provide support to other departments where required.
H020	User Interface Analyst I	2 years' relevant job experience	BS - relevant technical degree or equivalent military or commercial training and experience	The role of the User Interface Analyst is to prototype, design, and build graphic user interfaces (GUIs) for software development, Web forms, and other applications. This includes capturing user requirements through collaboration with systems analysts and architects, leading and participating in testing sessions, and coordinating final implementation of the GUI based on feedback. Use of a variety of Web and software development languages is required.
H021	Programmer	0 years' job experience	AS - relevant technical program or equivalent military or commercial training and experience	The Programmer's role is to write, code, test, and analyze software programs and applications. This includes researching, designing, documenting, and modifying software specifications throughout the production life cycle. The Programmer will also analyze and amend software errors in a timely and accurate fashion, and provide status reports where required.

<b>Order #</b>	<b>Labor Category</b>	<b>Minimum Experience</b>	<b>Minimum Education</b>	<b>Functional Responsibility</b>
H022	Technical Writer	2 yrs. technical writing and publications support experience	AA/AS in communications or related technical field, or equivalent military or commercial experience	The Technical Writer's role is to develop written information about the organization's computing systems that aid in their development, use, and support. Outputs will include a range of documents to be read by both technical and non-technical personnel across all departments.
H023	Production Engineer	3 years' relevant job experience including 1 yr. specific relevant product design and development experience	AS - relevant technical degree or equivalent documented military or commercial training.	Plans and Manages Production Control activities including Material Requests generation, drawing review/analysis, manufacturing planning and execution, coordination with product personnel (Works Orders, RMA, NCR, etc.). Oversees and performs Test & Evaluation activities including development and execution of Acceptance Test Procedures; Non-Compliance Report /Trouble Reporting documentation and tracking.
H024	Shop Supervisor I	6 years of experience in the field or in a related area	AA/AS in technical field, or equivalent military or commercial experience	Oversees personnel that perform a variety of processing operations. Responsible for supervising assembly operations such as assembling, aligning, and fitting, of parts to ensure established requirements and standards are met. A supervisor has full authority and may be considered lower middle management. May require a bachelor's degree in area of specialty. Familiar with a variety of the field's concepts, practices, and procedures. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of tasks. A wide degree of creativity and latitude is expected. Typically reports to a manager or head of a unit/department.

<b>Order #</b>	<b>Labor Category</b>	<b>Minimum Experience</b>	<b>Minimum Education</b>	<b>Functional Responsibility</b>
H025	Technician/Assembler II	4 years of experience in the field or in a related area.	AS in technical field or equivalent military or commercial experience	Assembles, maintains, analyzes, troubleshoots, and repairs electrical and mechanical systems and hardware. Documents, maintains, upgrades or replaces hardware and software systems. 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 minimal supervision. Primary job functions do require exercising independent judgment. Typically reports to a supervisor or manager.
<b>H026</b>	<b>Technician/Assembler I</b>	1 years of experience in the field or in a related area.	AS in technical field or equivalent military or commercial experience	Assembles, maintains, troubleshoots, and repairs electrical and mechanical systems and hardware. Maintains, upgrades or replaces hardware and software systems. 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 or manager.
<b>H027</b>	<b>Technical Admin</b>	2 years of experience in the field or in a related area.	High school diploma	Performs a variety of technical administrative functions, practices, and procedures required to support an integrated engineering and product manufacturing organization. Specific tasking includes RMA generation, Incoming Inspection Report, Material Requisition generation and updates, documentation updates and other tasking as directed by Work Orders. Generates relies on experience and judgment to plan and accomplish goals. Works under general supervision. A certain degree of creativity and latitude is required. Typically reports to a supervisor or manager.

Order #	Labor Category	Minimum Experience	Minimum Education	Functional Responsibility
H028	Engineer I	2 years' relevant job experience	BS - relevant technical program or equivalent military or commercial training and experience	The Engineer I perform specialized design, development and deployment in a minimum of one engineering domain such as electrical or mechanical. Primary Engineer I task include includes baseline management, changes control tracking and problem resolution. This includes capturing requirements through collaboration with systems analysts and architects, leading and participating in testing sessions, and performing final implementation of the overall systems designs, based on results of acceptance testing and requirements.

<b>EDUCATION AND EXPERIENCE REQUIREMENTS</b> <b>EQUIVALENCY SUBSTITUTION TABLE</b>
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HART Technologies, Inc. will provide only people who meet or exceed the minimum qualifications within the labor category descriptions stated herein. HART Technologies, Inc. labor categories provide for substituting experience for minimum education requirements and substituting educational degrees for years of experience. These substitutions are allowed for all HART Technologies, Inc. labor categories unless specified in the description.

Allowable Substitutions

The table below presents the allowable substitutions based on the education and experience of the labor categories in the Pricelist. Experience should be professional and job related, however it does not have to be specific to the project to be accomplished.

DEGREE	DEGREE AND EXPERIENCE & EDUCATION SUBSTITUTIONS	RELATED CERTIFICATION SUBSTITUTIONS
	In general, where it is not stated, the following experience table may be substituted for not having the required degree, unless otherwise specified in the job description.	
Associate's	2 years' relevant experience	Trade/Vocational School or Technical Training or Military Training in relevant field
Bachelor's	Associate's + 4 years' relevant experience 6 years' relevant experience	Professional or Industry Standard Technical Certification in a relevant field. (e.g. MCSE, CCNP, CNA, CNE)
Master's	Bachelor's + 4 years' relevant experience Associate's + 8 years' relevant experience 10 years' relevant experience	Professional License [e.g. Professional Engineer, Registered Communications Distribution Designer (RCDD), Certified Professional Logistician (CPL)]
Doctorate	Master's + 4 years' relevant experience Bachelor's + 8 years' relevant experience 14 years' relevant experience	

**USA COMMITMENT TO PROMOTE SMALL BUSINESS PARTICIPATION PROCUREMENT PROGRAMS**

PREAMBLE

HART Technologies, Inc. provides commercial products and services to ordering activities. We are committed to promoting participation of small, small disadvantaged and women-owned small businesses in our contracts. We pledge to provide opportunities to the small business community through reselling opportunities, mentor-protégé programs, joint ventures, teaming arrangements, and subcontracting.

COMMITMENT

To actively seek and partner with small businesses.

To identify, qualify, mentor and develop small, small disadvantaged and women-owned small businesses by purchasing from these businesses whenever practical.

To develop and promote company policy initiatives that demonstrate our support for awarding contracts and subcontracts to small business concerns.

To undertake significant efforts to determine the potential of small, small disadvantaged and women-owned small business to supply products and services to our company.

To insure procurement opportunities are designed to permit the maximum possible participation of small, small disadvantaged, and women-owned small businesses.

To attend business opportunity workshops, minority business enterprise seminars, trade fairs, procurement conferences, etc., to identify and increase small businesses with whom to partner.

To publicize in our marketing publications our interest in meeting small businesses that may be interested in subcontracting opportunities.

We signify our commitment to work in partnership with small, small disadvantaged and women-owned small businesses to promote and increase their participation in ordering activity contracts.

To accelerate potential opportunities please contact Lori Wilson at HART Technologies, Inc. at Phone No.: (703) 626-6969 Fax No.: (614) 715-9035 or Email: gsa@harttech.com



BPA NUMBER \_\_\_\_\_

(CUSTOMER NAME)  
BLANKET PURCHASE AGREEMENT

Pursuant to GSA Federal Supply Schedule Contract Number(s) \_\_\_\_\_, Blanket Purchase Agreements, the Contractor agrees to the following terms of a Blanket Purchase Agreement (BPA) EXCLUSIVELY WITH (Ordering activity):

The following contract items can be ordered under this BPA. All orders placed against this BPA are subject to the terms and conditions of the contract, except as noted below:

MODEL NUMBER/PART NUMBER                      \*SPECIAL BPA DISCOUNT/PRICE

Delivery:

DESTINATION                      DELIVERY SCHEDULE/DATES

(3) The Government estimates, but does not guarantee, that the volume of purchases through this agreement will be \_\_\_\_\_.

(4) This BPA does not obligate any funds.

(5) This BPA expires on \_\_\_\_\_ or at the end of the contract period, whichever is earlier.

The following office(s) is hereby authorized to place orders under this BPA:

OFFICE                      POINT OF CONTACT

(7) Orders will be placed against this BPA via Electronic Data Interchange (EDI), FAX, or paper.

(8) Unless otherwise agreed to, all deliveries under this BPA must be accompanied by delivery tickets or sales slips that must contain the following information as a minimum:

(a) Name of Contractor;

(b) Contract Number;

© BPA Number;

(d) Model Number or National Stock Number (NSN);

(e) Task/Delivery Order Number;

(f) Date of Purchase;

(g) Quantity, Unit Price, and Extension of Each Item (unit prices and extensions need not be shown when incompatible with the use of automated systems; provided, that the invoice is itemized to show the information); and

(h) Date of Shipment.

(9) The requirements of a proper invoice are specified in the Federal Supply Schedule contract. Invoices will be submitted to the address specified within the task/delivery order transmission issued against this BPA.

(10) The terms and conditions included in this BPA apply to all purchases made pursuant to it. In the event of an inconsistency between the provisions of this BPA and the Contractor's invoice, the provisions of this BPA will take precedence.

<p style="text-align: center;"><b>BASIC GUIDELINES FOR USING “CONTRACTOR TEAM ARRANGEMENTS”</b></p>
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Federal Supply Schedule Contractors may use “Contractor Team Arrangements” (see FAR 9.6) to provide solutions when responding to an ordering activity requirements.

These Team Arrangements can be included under a Blanket Purchase Agreement (BPA). BPAs are permitted under all Federal Supply Schedule contracts.

Orders under a Team Arrangement are subject to terms and conditions of the Federal Supply Schedule Contract.

Participation in a Team Arrangement is limited to Federal Supply Schedule Contractors.

Customers should refer to FAR 9.6 for specific details on Team Arrangements.

Here is a general outline on how it works:

- The customer identifies their requirements.
- Federal Supply Schedule Contractors may individually meet the customer’s needs, or -
- Federal Supply Schedule Contractors may individually submit a Schedules “Team Solution” to meet the customer’s requirement.
- Customers make a best value selection.

**HART TECHNOLOGIES, INC. SALES AND SERVICE POINTS**

**Corporate Headquarters Address:**

**7060 Infantry Ridge Drive  
Manassas, VA 20109**

**Voice: (703) 366-2615  
Fax: (703) 366-2616**

**HART TECHNOLOGIES, INC. HARDWARE DESCRIPTIONS & RATES**

SIN	Manufacturer Part Number	Product Name	Product Description	GSA Rate with IFF	Country of Origin
33411	V-SYS-VID-08	Video / Graphics Processing Computer System	<p>Designed for hosting Exercise Manager, Automated Test Manager, Instructional Systems, and high end Graphical / Image Generation applications.</p> <p>System Configuration*:                      2x Intel Xeon E5-2407 v2 Quad-core (4 Core) 2.40 GHz Processor - Socket FCLGA1356                      Intel C606 Chipset -Dual Socket B2 LGA-1356                      4U RACKMOUNT CASE                      700 WATT P.S.                      16GB DDR3 ECC/REG - MAX 192GB                      2x 1TB 7200RPM HD                      2x CRU DATAPORT V+ Kit                      24X DVD+RW                      GEFORCE GTX750Ti 2GB                      DUAL INTEL GIGABIT                      HD 7.1 AUDIO                      CENTOS LINUX ES 6 -OR- MS WINDOWS 7 PRO w/ XP PRO PREINSTALLED</p> <p>*System Configuration may be updated without notice to reflect COTS component upgrades or customer configuration requirements.</p>	\$4,617.18	US

SIN	Manufacturer Part Number	Product Name	Product Description	GSA Rate with IFF	Country of Origin
33411	V-SYS-RT-08	Real-time Processing Computer System	<p>Designed for hosting real-time Modeling &amp; Simulation applications.</p> <p>System Configuration*:            2x Intel Xeon E5-2407 v2 Quad-core (4 Core) 2.40 GHz Processor            - Socket FCLGA1356            Intel C606 Chipset -Dual Socket B2 LGA-1356            4U RACKMOUNT CASE            700 WATT P.S.            16GB DDR3 ECC/REG - MAX 192GB            2x 1TB 7200RPM HD            2x CRU DATAPORT V+ Kit            24X DVD+RW            DUAL INTEL GIGABIT HD 7.1 AUDIO            CENTOS LINUX ES 6 -OR- MS WINDOWS 7 PRO w/ XP PRO PREINSTALLED</p> <p>*System Configuration may be updated to reflect COTS component upgrades or customer's specific configuration requirements.</p>	\$4,021.61	US

<b>SIN</b>	<b>Manufacturer Part Number</b>	<b>Product Name</b>	<b>Product Description</b>	<b>GSA Rate with IFF</b>	<b>Country of Origin</b>
33411	V-SYS-MOB-08	Mobile Graphics Processing Computer System	<p>Designed for hosting mobile Automated Test, Graphics and Modeling &amp; Simulation applications.</p> <p>System Configuration*:            3rd Gen Intel® Core™ i7-3940XM Proc(Extreme 3.0GHz, 8M cache, Upgradable to Intel® vPro™ technology)            15.6US FHD(1920x1080)WV AG,USH for Windows® 8            8 GB3 DDR3 SDRAM at 1600MHz            500GB 2.5" 7200rpm Hard Drive            Video Card AMD® FirePro® M4000 Mobility Pro Graphics with 1GB GDDR58X DVD+/-RW Slot Load            Windows 7 Professional, No Media, 64-bit, English</p> <p>*System Configuration may be updated without notice to reflect COTS component upgrades or customer configuration requirements.</p>	\$3,328.00	US

SIN	Manufacturer Part Number	Product Name	Product Description	GSA Rate with IFF	Country of Origin
33411	V-SYS-3UGR-08	3U Dual Core Graphics Processing Computer System	<p>Designed for hosting Automated Test, Graphics, and Modeling &amp; Simulation applications in a compact 3u form factor.</p> <p>System Configuration*:  INTEL CORE i5 PROCESSOR  GA-P85-D3 MAINBOARD - 4 PCI SLOTS  3U CASE 15.7" DEEP  470 WATT P.S.  8GB DDR3 ECC UDIMM  500GIG SATA2 7200RPM HD  24X DVD+-R/RW  GEFORCE GTX750 1GB  INTEL 10/100/1000B-T ENET  HD AUDIO  CENTOS LINUX ES 6 -OR-  MS WINDOWS 7 PRO w/ XP  PRO PREINSTALLED</p> <p>*System Configuration may be updated to reflect COTS component upgrades or customer's specific configuration requirements.</p>	\$2,404.36	US

SIN	Manufacturer Part Number	Product Name	Product Description	GSA Rate with IFF	Country of Origin
33411	V-SYS-1URT-08	1U Dual Core Automated Test and Real-time Processing Computer System	<p>Designed for hosting real-time Modeling &amp; Simulation applications in a compact 1u form factor.</p> <p>System Configuration*:  INTEL CORE i5 PROCESSOR  5017C-LF SHORT 1U  8GB DDR3 ECC UDIMM  500GIG SATA2 7200RPM HD  DUAL GIGABIT LAN  CENTOS LINUX ES 6 -OR-  MS WINDOWS 7 PRO w/ XP  PRO PREINSTALLED  MOXA CP-134EL-A-I-DB9M</p> <p>*System Configuration may be updated to reflect COTS component upgrades or customer's specific configuration requirements.</p>	\$2,332.44	US
33411	HT001100001	General Purpose I/O Card (GPIO)	<p>General Purpose I/O Card (GPIO)</p> <p>XMega 8 bit processor</p> <p>Interface: SIP, I2C, JTAG and RS232 debug</p> <p>External sample rate up to 2Khz with all channels active</p> <p>4 configurable RS232/485/422 Serial Ports</p> <p>2 dedicated RS422 Ports</p> <p>16 Opto-isolated Inputs with default trip level set to 12-28v</p> <p>16 Opto-isolated 1A polyfused Outputs configurable to sourced input (5v, 24, gnd)</p> <p>Operating temperature range -30/+65C</p> <p>User modifiable code base via JTAG (IEE1149.1 Compliant)</p>	\$1,483.63	US

SIN	Manufacturer Part Number	Product Name	Product Description	GSA Rate with IFF	Country of Origin
33411	HT001100002	Analog to Digital I/O Card (ADC)	<p>Analog to Digital I/O Card (ADC)</p> <p>XMega 8-bit processor</p> <p>Interface: SIP, I2C, JTAG and RS232 debug</p> <p>External sample rate up to 2Khz with all channels active</p> <p>Two banks of two bipolar 16 single ended / 8 differential inputs</p> <p>+/-30v input, up to 30kSPS sample rate</p> <p>Operating temperature range -30/+65C</p> <p>User modifiable code base via JTAG (IEE1149.1 Compliant)</p>	\$1,196.47	US
33411	HT001100003	Digital to Analog I/O Card (DAC)	<p>Digital to Analog I/O Card (DAC)</p> <p>XMega 8 bit processor</p> <p>Interfaces: SIP, I2C, JTAG and RS232 debug</p> <p>External sample rate up to 2Khz with all channels active</p> <p>Bipolar 16 channels / 16 bit analog outputs configuration with up to 4 fully differential outputs</p> <p>+/-10v output</p> <p>Output channels can be individually or simultaneously controlled</p> <p>Output update rate up to 1Khz with all channels active</p> <p>Operating temperature range -30/+65C</p> <p>User modifiable code base via JTAG (IEE1149.1 Compliant)</p>	\$1,196.47	US

<b>SIN</b>	<b>Manufacturer Part Number</b>	<b>Product Name</b>	<b>Product Description</b>	<b>GSA Rate with IFF</b>	<b>Country of Origin</b>
33411	HT001100004	Synchro Resolver Board (SYN/RES)	<p>Synchro Resolver Board (SYN/RES)</p> <p>Onboard XMEGA 8-bit processor</p> <p>Interfaces: SIP, I2C, JTAG and RS232 debug</p> <p>External output rate up to 2Khz</p> <p>Sin/Cos Resolver Emulator</p> <p>Single channel / Differential out</p> <p>Buffered Reference Output</p> <p>Reference Input Range: 40Hz - 10K Hz</p> <p>2 dedicated RS422 Ports</p> <p>Operating temperature range - 30/+65C</p> <p>User modifiable code base via JTAG (IEE1149.1 Compliant)</p>	\$2,392.95	US
33411	HT001100005	I/O Expander Board	<p>I/O Expander Board / Breakout Board</p> <p>50 channel screw terminal</p> <p>5 onboard mechanical DPDT relays (50v) with NC, NO, Common terminal</p>	\$ 430.73	US
33411	HT013100001	Main Processor Board	<p>Main Processor Board</p> <p>32 Bit ATMEL Processor</p> <p>Interface: SIP, I2C, JTAG and RS232 debug</p> <p>CAN Bus A/B</p> <p>RS422/485 Serial</p> <p>USB Interface</p> <p>100BaseT Ethernet</p> <p>Integrated I/O</p> <p>4 Opto-isolated solid state relay outputs</p> <p>8 channel single A/D convertors</p> <p>16 GPIO (configurable I/O)</p> <p>Operating temperature range - 30/+65C</p> <p>User modifiable code base via JTAG (IEE1149.1 Compliant)</p>	\$1,718.14	US

<b>SIN</b>	<b>Manufacturer Part Number</b>	<b>Product Name</b>	<b>Product Description</b>	<b>GSA Rate with IFF</b>	<b>Country of Origin</b>
33411	HT013100002	Dual Channel Motor Controller Board	Motor Controller Board Onboard XMega 8-bit processor Interfaces: SIP, I2C, JTAG and RS232 debug 2 Allegro A4979 Stepper Motor Driver with stall detection Integrated I/O 4 Opto-isolated solid-state relay outputs 4 channel single A/D convertors inputs 4 GPIO (configurable I/O)	\$1,191.69	US
33411	HT013100003	Power Module	Input Power 18-36VDC (with 12 VDC/15 VDC modules) Output Power 18-28VDC (unregulated input voltage) +5 VDC @ 6A +/-15 VDC @ 3A expansion modules installed +12 VDC @ 6A expansion modules installed Operating temperature range - 30/+65C	\$ 378.09	US

SIN	Manufacturer Part Number	Product Name	Product Description	GSA Rate with IFF	Country of Origin
33411	HT015010000	I/O Chassis	<p>5U Chassis - 9.75" Depth (Excluding harnessing)  Fits standard 19" Rackmount or optional ruggedized standalone format</p> <p>8 I/O Slots with slot dedicated rear mounted external connectors</p> <p>55 Pin MIL-38999 (17/E Size) with 50 input/output or 25 differentially routed pairs</p> <p>Mate: D38999/26WE35PN</p> <p>37 Pin MIL-38999 (15/D Size) with USB, Ethernet, Serial outputs</p> <p>Mate: D38999/26WD35PN</p> <p>Dedicated Power Slot with intelligent communication bus</p> <p>16 Pin MIL-38999 power in connector</p> <p>Power In (2 pins / 13 amp)</p> <p>Four Relay Input Pairs (2 pins ea.)</p> <p>Mate: D38999/26WG16SN</p> <p>16 Pin MIL-38999 Relay out connector</p> <p>Four Relay Output Pairs (2 pins ea. / 7.5 amps)</p> <p>Mate: D38999/26WG16PN</p> <p>Configurable SPI busing</p> <p>Hour Meter</p> <p>Operating temperature range - 30/+65C</p>	\$4,781.11	US
33411	HT015010050	I/O Development Kit	<p>Kit include I/O card mounting base capable of mounting dual stacks of HART I/O cards with:</p> <ul style="list-style-type: none"> <li>auxiliary card mounting position,</li> <li>internal daisy chain power cable,</li> <li>50 pin I/O cable,</li> <li>10 pin SPI interface cable</li> </ul> <p>Includes HT015010053, Kit, Power Development</p>	\$ 234.51	US

<b>SIN</b>	<b>Manufacturer Part Number</b>	<b>Product Name</b>	<b>Product Description</b>	<b>GSA Rate with IFF</b>	<b>Country of Origin</b>
33411	HT015010053	I/O Development Power Assembly	19.5V DC Power for I/O Chassis or PC104 Power Card 65W DC Power Supply Power supply to female banana jack adapter Power supply to Molex adapter Mate: 43045-0422	\$ 119.65	US
33411	HT015020007	GPIO Carrier Card, I/O Chassis Assembly	Fits I/O Slot in HT015010000 - I/O Chassis Assembled carrier card, harnessing, and main front plate ready to accept HT001100001 General Purpose I/O Card	\$ 282.37	US
33411	HT015020008	Main Carrier Card, I/O Chassis Assembly	Fits I/O Slot in HT015010000 - I/O Chassis Assembled carrier card, harnessing, and main front plate ready to accept HT013100001 Main Processor Board	\$ 282.37	US
33411	HT015020009	Power Module Carrier Card, I/O Chassis Assembly	Fits Power Slot in HT015010000 - I/O Chassis Assembled carrier card, harnessing, and front plate ready to accept HT013100003 CCA, POWER MODULE	\$ 282.37	US
33411	HT015020013	Blank Front Plate, I/O Chassis Assembly	Fits I/O Slot in HT015010000 - I/O Chassis Blank Plate to protect empty I/O slot	\$ 28.72	US

<b>SIN</b>	<b>Manufacturer Part Number</b>	<b>Product Name</b>	<b>Product Description</b>	<b>GSA Rate with IFF</b>	<b>Country of Origin</b>
33411	HT015030001	Quad Channel Fiber Processor Module, I/O Chassis Assembly	Fits I/O Slot in HT015010000 - I/O Chassis 32 Bit ATMEL Processor Onboard Interfaces 4 Channel Fiber TX / RX ST Connector 820-nm wavelength 2 SPI / TWI 2 CAN Bus A/B 1 USB interface 1 100BaseT Ethernet 1 Ethernet LED Control Onboard I/O 8 Opto-isolated discrete inputs 8 Opto-isolated solid state relays 4 Channel single A/D convertor Board ID: 2 bits external strapping with 16 position internal selector 5v power input; 12-32V input optional for relay output User modifiable code base via JTAG Operating temperature range - 30/+65C	\$1,909.57	US

SIN	Manufacturer Part Number	Product Name	Product Description	GSA Rate with IFF	Country of Origin
33411	HT015030010	Redundant Power Module, I/O Chassis Assembly	Fits Power Slot in HT015010000 - I/O Chassis Control Logic Redundant output power with automated failover based on health of module Current and Voltage sensors for each module Status lights for each module 2 Opto-isolated Power status I/O lines Outputs Input Power 18-36VDC Protected by 3A circuit breaker Output Power 18-28VDC (unregulated input voltage) +5 VDC @ 6A +/-15 VDC @3A 8 Bit ATMEL Processor 4 Solid State Relays Controlled by Main or GPIO module 7.5 A each protected by circuit breakers Onboard interfaces SPI TWI User modifiable code base via JTAG Operating temperature range - 30/+65C	\$1,430.98	US
33411	HT015030014	Generic Carrier Module, I/O Chassis Assembly	Fits I/O Slot in HT015010000 - I/O Chassis Assembled carrier card, harnessing, and generic front plate ready to accept any HART or customer developed PC104 I/O card	\$ 282.37	US
33411	HT015030052	Din Rail Mounted PC104 Carrier Assembly	Mount PC104 card on DIN Rail PC104 rotation configurable	\$ 52.64	US

SIN	Manufacturer Part Number	Product Name	Product Description	GSA Rate with IFF	Country of Origin
33411	HT015100003	Dual Channel Fiber Processor Card	32 Bit ATMEL Processor Onboard Interfaces 2 Channel Fiber TX / RX ST Connector 820-nm wavelength 2 configurable RS232/RS422/RS485 2 SPI / TWI 2 CAN Bus A/B 1 USB interface 1 100BaseT Ethernet 1 Ethernet LED Control Onboard I/O 4 Opto-isolated discrete inputs 4 Opto-isolated solid state relays 2 Channel single A/D convertor Board ID: 2 bits external strapping with 16 position internal selector 5v power input; 12-32V input optional for relay output User modifiable code base via JTAG Operating temperature range - 30/+65C	\$1,718.14	US
33411	HT015300001	I/O Harness, I/O Chassis	Mates to HT015010000 I/O Chassis 55 Pin MIL-38999 (E Size) MIL-38999 to 50 pin IDE harness 50 input/output or 25 differentially routed pairs Connector: D38999/26WE35PN Mate: 88-569775-35S Mates to HT001100005 I/O Expander / Breakout Board IDE IDE Connector: 1-102387-0 IDE Mate: 1-1761607-5	\$ 473.80	US

SIN	Manufacturer Part Number	Product Name	Product Description	GSA Rate with IFF	Country of Origin
33411	HT015300002	Development Breakout Harness, I/O Chassis	MIL-38999 to USB, ETH, ETH LED, & RS232/RS422/RS485 harness Mates to HT015010000 I/O Chassis 37 Pin MIL-38999 (15/D Size) MIL-38999 Connector: D38999/26WD35PN Mate: 88-569774-35S Outputs: USB Connector: USB A Ethernet Connector: RJ45 Ethernet LED Status: Connector: 70107-0004 Mate: 50-57-9405 RS232/RS422/RS485: 3 Male DB9	\$ 378.09	US
33411	HT015300004	Power Harness, I/O Chassis	MIL-38999 to male banana jack harness Mates to HT015010000 I/O Chassis 16 Pin MIL-38999 power in connector Connector: D38999/26WG16SN Mate: 88-0670888-16P	\$ 186.65	US
33411	HT015300006	Ethernet Harness, I/O Chassis	MIL-38999 to RJ45 harness Mates to HT015010000 I/O Chassis 37 Pin MIL-38999 (15/D Size) MIL-38999 Connector: D38999/26WD35PN Mate: 88-569774-35S Outputs: Ethernet Connector: RJ45	\$ 142.62	US

**HART TECHNOLOGIES, INC. SOFTWARE DESCRIPTIONS & RATES**

<b>SIN</b>	<b>Manufacture Part Number</b>	<b>Product Name</b>	<b>Product Description</b>	<b>GSA Rate with IFF</b>	<b>Country of Origin</b>
511210	V-TM.001.01-L/W	Test Manager 1 Seat	Includes software installation and license key to operate Test Manager on one computer workstation.  V-TM.002.01 Test Manager 12 mo. maintenance required.	2,751.89	US
511210	V-TM.001.02-L/W	Test Manager 5 Seat	Includes software installation and license key to operate Test Manager on five computer workstations.  V-TM.002.02 Test Manager 12 mo. maintenance required.	12,108.31	US
511210	V-TM.001.03-L/W	Test Manager 10 Seat	Includes software installation and license key to operate Test Manager on ten (10) computer workstations.  V-TM.002.03 Test Manager 12 mo. maintenance required.	22,015.11	US
54151	V-TM.002.01	Test Manager 12 mo. Maintenance (1 Seat)	Includes product updates, and five (5) rapid response email trouble support tickets for one (1) installation of Test Manager.	825.57	US
54151	V-TM.002.02	Test Manager 12 mo. Maintenance (5 Seat)	Includes product updates, and ten (10) rapid response email trouble support tickets for five (5) installations of Test Manager.	3,632.49	US
54151	V-TM.002.03	Test Manager 12 mo. Maintenance (10 Seat)	Includes product updates, and twenty (20) rapid response email trouble support tickets for ten (10) installations of Test Manager.	6,604.53	US

SIN	Manufacture Part Number	Product Name	Product Description	GSA Rate with IFF	Country of Origin
511210	V-EXM.001.01	Exercise Manager SDK License 1 seat	<p>Includes software installation media for Exercise Manager SDK libraries and runtime license key for one (1) development system.</p> <p>Includes:  V-CNV.001.01 Carnivore Data Analyst (1 Seat)  V-CNV.001.03 Carnivore Middleware Software Developers Kit (1 Seat)  V-EXM.001.005 Exercise Developer Runtime license (1 Seat)  V-TM.001.01-L/W Test Manager (1 Seat)</p> <p>Includes initial 12 mo. Maintenance V-EXM.002.01</p>	143,098.24	US
511210	V-EXM.001.05	Exercise Developer 2.0 Runtime license	<p>HART Technologies Verify™ Exercise Developer 2.0 with integrated 2D Map and exportable XML data architecture which integrates seamlessly with HART Technologies Exercise Manager real-time environment. Exercise Developer utilizes the common Terra-page and CTDB format to ensure correlation with deployed Visual Databases and SAF solutions.</p> <p>Includes software installation and license key to operate Exercise Developer 2.0 run-time on one (1) Windows XP</p>	2,866.75	US

SIN	Manufacture Part Number	Product Name	Product Description	GSA Rate with IFF	Country of Origin
			system.  Includes initial 12 mo. Maintenance. V-EXM.002.05		
511210	V-EXM.001.06	3D Ocean Embedded Training System Image Generation Module Runtime	HART Technologies Verify™ Permanent license, product updates, and rapid response telephone/email trouble support for one (1) installation of 3D Ocean Embedded Training System Image Generation Module  Gaming Engine based Image Generator Representative 3D Ocean (no geospecific terrain visualization) Representative (non-physics based) Low Light TV / Sensor View	2,388.16	US
54151	V-EXM.002.01	EXM SDK 12 mo. Maintenance (1 Seat)	Includes product updates, and rapid response email trouble support for one (1) installation of ExerciseManager SDK and Run-Time.	38,526.45	US
54151	V-EXM.002.04	EXM Runtime and Installation Support (1 Seat) - 12mo	Includes installation/update keys, two days priority installation support, product updates, and rapid response telephone/email trouble support for one (1) installation of Exercise Manager Run-Time.  Note: Travel to customers	19,617.38	US

SIN	Manufacture Part Number	Product Name	Product Description	GSA Rate with IFF	Country of Origin
			facility is separately priced based on actual reasonable expenses.		
54151	V-EXM.002.05	Exercise Developer Run-time 12 mo. Maintenance (1 Seat)	Includes product updates, and five (5) rapid response email trouble support tickets for one (1) installation of Exercise Developer 2.0 Run-time.	860.03	US
511210	V-CNV.001.01	VERIFY™ Carnivore 3 Data Analyst	<p>Carnivore Data Analyst is a Windows based application tool which enables a User to access, view, record, manipulate and perform analysis of application interface communications data, in real-time, using an advanced Graphical User Interface.</p> <p>Carnivore Data Analyst uses an extensible modular plug-in architecture which provides the ability to add new and existing interfaces without the need to modify the tool. Support for new interfaces is developed using the Carnivore Interface Plug-in development libraries provided by the Carnivore SDK.</p> <p>Includes software installation and license keys to operate Carnivore Data Analysts on one (1) Windows XP systems.</p> <p>Includes initial 12 mo.</p>	2,867.00	US

SIN	Manufacture Part Number	Product Name	Product Description	GSA Rate with IFF	Country of Origin
			Maintenance. V-CNV.002.01		
511210	V-CNV.001.02	VERIFY™ Software Developers Kit for Carnivore 3 Middleware	<p>Carnivore Middleware Software Developers Kit delivers HART Technologies' Carnivore middleware development suite including real-time libraries and APIs which provide streamlined integration, control, data recording, and monitoring of the distributed environment. Linkable APIs enable Cross platform support for Windows and Linux applications and enable interface operations support for multiple bus interface standards and network protocols.</p> <p>The Carnivore Middleware Software Developers Kit (Carnivore SDK) includes the Carnivore Advanced Simulation Environment Libraries (CarnivoreASE) which deliver a proven framework of integrated real-time libraries to</p>	45,365.00	US

SIN	Manufacture Part Number	Product Name	Product Description	GSA Rate with IFF	Country of Origin
			<p>streamline development and deployment of complex distributed systems including dynamic control systems, real-time Modeling &amp; Simulation systems, and avionics / vetronics systems. CarnivoreASE contains object-oriented libraries supporting real-time scheduling, command and control, 6DOF transforms / dynamic classes (Euler, Quaternion), and math/network utilities.</p> <p>Designed to support and interoperate in the Carnivore environment, CarnivoreASE supports a wide variety of Windows and Linux based computing architectures.</p> <p>Includes software installation media for Carnivore Middleware development libraries which may installed on multiple systems as required to support to three (3) developers.</p> <p><i>Note: Customer applications developed under this SDK may be distributed without restriction and free of recurring license fees</i></p> <p>Includes:  V-CNV.001.01 Carnivore Data Analyst (1 Seat)  V-CNV.002.03 Initial 12 mo. Maintenance</p>		

<b>SIN</b>	<b>Manufacture Part Number</b>	<b>Product Name</b>	<b>Product Description</b>	<b>GSA Rate with IFF</b>	<b>Country of Origin</b>
511210	V-CNV.001.03	CarnivoreEmbedded SDK	<p>CarnivoreEmbedded Software Developers Kit delivers HART Technologies' Carnivore middleware development suite scaled to meet the unique requirements of embedded processing and I/O. CarnivoreEmbedded libraries integrate with AVR Studio to streamline development and targeting of 32,16 and 8 bit Atmel microcontrollers in a real-time environment.</p> <p>Note: Usage subject to the HART Verify End Use License Agreement. Customer applications developed under this SDK may be distributed without restriction and free of recurring license fees</p>	4,303.00	US
54151	V-CNV.002.01	Carnivore 3 Data Analyst 12 mo. Maintenance (1 Seat)	Includes product updates, and five (5) rapid response email trouble support tickets for one (1) installation of Carnivore Data Analyst.	860.00	US
54151	V-CNV.002.02	Carnivore 3 Middleware SDK 12 mo. Maintenance	Includes product updates, and rapid response email trouble support for one (1) installation of Carnivore Middleware SDK.	13,610.00	US
54151	V-CNV.002.03	CarnivoreEmbedded SDK 12 Mo. Maintenance	Includes product updates, and rapid response email trouble support for one (1) installation of CarnivoreEmbedded SDK.	1,413.00	US

<b>SIN</b>	<b>Manufacture Part Number</b>	<b>Product Name</b>	<b>Product Description</b>	<b>GSA Rate with IFF</b>	<b>Country of Origin</b>
511210	V-ATE.001.02	Development License 1 seat	Includes software installation and license key to operate Automated Test Environment developer and run-time on one (1) computer workstation.  Includes: V-CNV.001.01 Carnivore Data Analyst (1 Seat) V-CNV.001.03 Carnivore Middleware Software Developers Kit (1 Seat) V-TM.001.01-L/W Test Manager (1 Seat)  Includes initial 12 mo. Maintenance V-ATE.002.01	110,075.57	US
511210	V-ATE.001.04	Run-time license - additional	Includes software installation and license key to operate Automated Test Environment run-time on one (1) system.  Includes initial 12 mo. Maintenance V-ATE.002.03	22,015.11	US
54151	V-ATE.002.01	Developer 12 mo. Maintenance (1 Seat)	Includes product updates, and rapid response email trouble support for one (1) installation of Automated Test Environment Developer and Run-Time.	33,022.67	US
54151	V-ATE.002.03	Run Time 12 mo. Maintenance	Includes product updates, and rapid response email trouble support for one (1) installation of Automated Test Environment Run-Time.	6,604.53	US



**HART Technologies, Inc. products can be found on the GSA  
Advantage! website at <http://www.gsaadvantage.gov> by  
inserting our contract number: GS-35F-0349T**