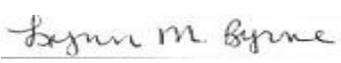


<b>SOLICITATION/CONTRACT/ORDER FOR COMMERCIAL ITEMS</b> <i>OFFEROR TO COMPLETE BLOCKS 12, 17, 23, 24, AND 30</i>				1. REQUISITION NUMBER 0010581874-0003		PAGE 1 OF 31				
2. CONTRACT NO. W56HZV-14-P-A841		3. AWARD/EFFECTIVE DATE 26-Sep-2014		4. ORDER NUMBER		5. SOLICITATION NUMBER		6. SOLICITATION ISSUE DATE		
7. FOR SOLICITATION INFORMATION CALL:			a. NAME			b. TELEPHONE NUMBER (No Collect Calls)		8. OFFER DUE DATE/LOCAL TIME		
9. ISSUED BY INSTAL & VEHICLE SUP CONTRACTING DIV 6501 E. 11 MILE ROAD WARREN MI 48397-5000  TEL: FAX:			CODE W56HZV		10. THIS ACQUISITION IS <input checked="" type="checkbox"/> UNRESTRICTED OR <input type="checkbox"/> SET ASIDE: _____ % FOR:  <input type="checkbox"/> SMALL BUSINESS <input type="checkbox"/> WOMEN-OWNED SMALL BUSINESS (WOSB) <input type="checkbox"/> HUBZONE SMALL BUSINESS <input type="checkbox"/> ECONOMICALLY DISADVANTAGED WOMEN-OWNED SMALL BUSINESS (EDWOSB)      NAICS: 334519 <input type="checkbox"/> SERVICE-DISABLED VETERAN-OWNED SMALL BUSINESS <input type="checkbox"/> 8(A)      SIZE STANDARD: 500 EM					
11. DELIVERY FOR FOB DESTINATION UNLESS BLOCK IS MARKED <input type="checkbox"/> SEE SCHEDULE			12. DISCOUNT TERMS Net 30 Days		13a. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 700) <input type="checkbox"/>		13b. RATING			
15. DELIVER TO TARDEC DEMETRIOS TZELEPIS DEMETRIOS TZELEPIS RDTA-EN DEMETRIOS.TZELEPIS@US.ARMY.MIL WARREN MI 48397-5000			CODE W91ATL		16. ADMINISTERED BY INSTAL & VEHICLE SUP CONTRACTING DIV SSG DARRIN R. MEYER CCTA-HDWS350 DARRIN.R.MEYER.MIL@MAIL.MIL WARREN MI 48397-5000					
17a. CONTRACTOR/OFFEROR ILLINOIS TOOL WORKS INC. JARED DELL 825 UNIVERSITY AVE NORWOOD MA 02062-2643 TELEPHONE NO. 586-201-1604			CODE 80160		FACILITY CODE 80160		18a. PAYMENT WILL BE MADE BY DFAS-INDY VP GFEB5 8899 E 56TH STREET INDIANAPOLIS IN 46249-3800			
<input type="checkbox"/> 17b. CHECK IF REMITTANCE IS DIFFERENT AND PUT SUCH ADDRESS IN OFFER					18b. SUBMIT INVOICES TO ADDRESS SHOWN IN BLOCK 18a. UNLESS BLOCK BELOW IS CHECKED <input type="checkbox"/> SEE ADDENDUM					
19. ITEM NO.		20. SCHEDULE OF SUPPLIES/ SERVICES				21. QUANTITY		22. UNIT	23. UNIT PRICE	24. AMOUNT
		<b>SEE SCHEDULE</b>								
25. ACCOUNTING AND APPROPRIATION DATA  <b>See Schedule</b>							26. TOTAL AWARD AMOUNT (For Govt. Use Only)  <b>\$62,660.00</b>			
<input type="checkbox"/> 27a. SOLICITATION INCORPORATES BY REFERENCE FAR 52.212-1. 52.212-4. FAR 52.212-3. 52.212-5 ARE ATTACHED.      ADDENDA <input type="checkbox"/> ARE <input type="checkbox"/> ARE NOT ATTACHED							<input type="checkbox"/> 27b. CONTRACT/PURCHASE ORDER INCORPORATES BY REFERENCE FAR 52.212-4. FAR 52.212-5 IS ATTACHED.      ADDENDA <input type="checkbox"/> ARE <input type="checkbox"/> ARE NOT ATTACHED			
<input checked="" type="checkbox"/> 28. CONTRACTOR IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN 1 COPIES TO ISSUING OFFICE. CONTRACTOR AGREES TO FURNISH AND DELIVER ALL ITEMS SET FORTH OR OTHERWISE IDENTIFIED ABOVE AND ON ANY ADDITIONAL SHEETS SUBJECT TO THE TERMS AND CONDITIONS SPECIFIED.  REF: JDHDQ1036-1 23-Sep-2014					<input type="checkbox"/> 29. AWARD OF CONTRACT: REF. OFFER DATED . YOUR OFFER ON SOLICITATION (BLOCK 5), INCLUDING ANY ADDITIONS OR CHANGES WHICH ARE SET FORTH HEREIN, IS ACCEPTED AS TO ITEMS: SEE SCHEDULE					
30a. SIGNATURE OF OFFEROR/CONTRACTOR					31a. UNITED STATES OF AMERICA (SIGNATURE OF CONTRACTING OFFICER)  					
30b. NAME AND TITLE OF SIGNER (TYPE OR PRINT)			30c. DATE SIGNED		31b. NAME OF CONTRACTING OFFICER (TYPE OR PRINT) LYNN M. BYRNE / CONTRACTING OFFICER TEL: 586-282-6553 EMAIL: lynn.m.byrne.civ@mail.mil				31c. DATE SIGNED 26-Sep-2014	

**SOLICITATION/CONTRACT/ORDER FOR COMMERCIAL ITEMS  
(CONTINUED)**

19. ITEM NO.	20. SCHEDULE OF SUPPLIES/ SERVICES	21. QUANTITY	22. UNIT	23. UNIT PRICE	24. AMOUNT
<b>SEE SCHEDULE</b>					

32a. QUANTITY IN COLUMN 21 HAS BEEN  
 RECEIVED  INSPECTED  ACCEPTED, AND CONFORMS TO THE CONTRACT, EXCEPT AS NOTED: \_\_\_\_\_

32b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE	32c. DATE	32d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE
--	-----------	---

32e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE	32f. TELEPHONE NUMBER OF AUTHORIZED GOVERNMENT REPRESENTATIVE
	32g. E-MAIL OF AUTHORIZED GOVERNMENT REPRESENTATIVE

33. SHIP NUMBER <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	34. VOUCHER NUMBER	35. AMOUNT VERIFIED CORRECT FOR	36. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	37. CHECK NUMBER
--	--------------------	---------------------------------	--	------------------

38. S/R ACCOUNT NUMBER	39. S/R VOUCHER NUMBER	40. PAID BY
------------------------	------------------------	-------------

41a. I CERTIFY THIS ACCOUNT IS CORRECT AND PROPER FOR PAYMENT	42a. RECEIVED BY ( <i>Print</i> )		
41b. SIGNATURE AND TITLE OF CERTIFYING OFFICER	41c. DATE	42b. RECEIVED AT ( <i>Location</i> )	
		42c. DATE REC'D ( <i>YY/MM/DD</i> )	42d. TOTAL CONTAINERS

Section SF 30 - BLOCK 14 CONTINUATION PAGE

EXTENDED DESCRIPTION CLIN 0001

**INSTRON 1333-8800MTR Q3279 EXTEND UPGRADE 1 8800-663**

**Instron Retrofit**

8800 Digital Control Upgrade and Interface Electronics for Instron 127X, 13XX, 80XX, and 85XX Servohydraulic machines. Suitable for machines with actuator mounted in platen or crosshead. Suitable for use with one or two servovalves.

Includes:

8800MT & Console Software, Mini Tower configuration designed to fit under a table or desk . Includes controller and signal conditioning modules for the control of position and load. With spare slots for additional channels of signal conditioning, data acquisition and control through the use of optional 8800-621 or 8800-622 strain channels. Console Software (see 2495-901 for description) provides full system control from the PC. Including waveform generation, calibration, and limit set up; status monitoring. An optional Operator Panel (8800-120) can be added to provide a supplementary manual user interface to the controller. 8800 advance control features include:

- Patented Adaptive Control System, allowing continuous update of PID terms at 1 kHz, eliminating the need for operator set-up and automatically compensating for specimen stiffness changes.
- 10 kHz control loop update per axis, and continuous synchronous data acquisition at 10 kHz on all channels
- Advanced sensor technology provides up to 24 bit data resolution across the complete span of the sensor
- Unique mixed-mode control technology allowing advanced bi-modal and tri-modal control techniques to be used.

At the time of installation, the testing sensors will be set up using the Instron electrical "shunt calibration" in order to verify the correct operation of the controller. Traceable calibration or verification is not included. It is highly recommended that traceable calibration / verification of sensors is carried out before the machine is used to carry out tests. This is offered below at preferential prices if undertaken at the time of installation.

**1 8800-663BB**

Machine has Old Instron/CGS type HPU

**1 8800-663F1**

1340, 8500 Corporate Actuator in Base

**1 8800-621**

Strain Data Acquisition Channel For 8800MT Controller Supports closed-loop control and data acquisition for only one transducer (strain gage bridge, LVDT, or +/-10V BNC input).

Includes:

- Transducer excitation.
- Data resolution up to 24 bits across the entire span of the transducer.
- Automatic transducer recognition and calibration for transducers fitted with Instron connector.
- Data acquisition rates up to 10kHz for AC Conditioned transducers and up to 40kHz for DC transducers.

- User selectable signal filters from 100Hz to 1kHz in increments of 1/1000Hz.

Note: Not recommended for customer installation to an existing tower. Always include service time when quoting as an accessory.

### **1 8800-663G1**

Slice with load release & pressure switch

## **HYDRAULIC GRIP CONTROL MANIFOLD**

### **1 2718-111**

207 Bar (3000psi) Hydraulic Grip Controller And Manifold.

Suitable for use on 8801/2/3/4 and 8871/2/4 machines. Provides opening and closing control of the grips with adjustable gripping pressure and handset controls. Includes hoses for connection to the grips and to the system's hydraulic supply. Designed to be bolted to the table of the testing machine (may require addition of tapped holes).

### **1 1400-052**

Half-day (4hrs.) installation of Grip Control Manifold.

This service ensures smooth and fast start-up and efficient operation of accessories from the first day of installation.

## **MMI**

### **1 8800-120**

8800 Hardware Operator Panel.

Provides convenient manual control and system status for one axis of control. Functions include the ability to run fatigue tests in position, load, or strain control without a computer; setting of limits; setting of test waveforms; and data displays. Fully compatible with Console software. Requires computer.

## **SOFTWARE**

### **1 2495-901**

Console Software For Use With Instron 8800 Systems, ElectroPuls and Extend Upgrades Compatible with WaveMatrix, LCF3, Bluehill 2 and Fracture Mechanics (da/dN, K1C & J1C) Includes:

- All controller set up functions such as Specimen Protect, transducer calibration, limits, control loop settings (PID's) and calculated ("Modal") control channels
- System status displays indicating current control mode, limits, waveform generator, transducer calibration and hydraulics/power
- Auto Tuning Wizard to perform automatic set up of control loop PID values
- Loop tuning tool with fast-refresh digital scope to facilitate manual setting and adjustment of control loop PID values
- Multiple digital Live Displays of transducer values and cycle/time counters that can be rearranged and resized, with setup save/recall from computer disk.
- Waveform control (start/pause/stop at specified cycle count) to run simple fatigue tests
- Scope software package for real time graph showing the output of up to four transducers and basic data capturing facilities
- Comprehensive on-line help system
- RS Save software for saving and restoring of test system parameters to and from disk
- DAX data acquisition software for one axis and up to four transducers
- Latest firmware update for 8800, ElectroPuls and Data Acquisition Boards

- Set of Electronic Manuals in PDF Format
  - Available in English, French, German or Japanese
- Requires PC meeting compatibility specification, Windows XP SP3 (32-bit) or Windows 7 (32/64bit), GPIB card (8800 Tower), software maintenance and training options.

### **1 2495-955**

#### WaveMatrix Dynamic Testing Software - Upgrade From Advanced Fatigue

Provides the latest version of WaveMatrix Dynamic Test Software to existing users of FastTrack 2 version of Advanced Fatigue software (Cat. No. 2490-903). WaveMatrix Dynamic Testing Software provides users the ability to define and run tests, and to acquire data for a wide range of dynamic and quasi-static applications. Tests can range from simple single-axis ramps and repetitive waveforms, to more complex multi-axis and multi-step tests. Test methods are quickly and easily constructed using a series of steps within a matrix structure, allowing the user full control over waveform shape, control mode, data logging and test progress. Completely independent waveforms can be performed on each axis for systems with multiple axes of control. During the test method construction the user is presented with a clear graphical preview of how the test will run. During the test a range of comprehensive data logging and data reduction tools enable the user to acquire the required data and at the same time minimise data file size through intelligent data reduction features. The user can configure the Live Test Workspace to show up to four real time graphs and add progress or status indicators. Test results are automatically grouped together within a logical project structure allowing quick access to the data files and batch transfer of results. To aid results tracking a read-only copy the test method is always stored with the test results.

Features include:

- Support for all available Instron 8800 control axes and sensor conditioning channels
- Up to a maximum of 24 channels of control or acquisition
- Control or acquisition of temperature from a Eurotherm 2400CC or 3200CC device
- Capable of 1ms interblock transfer time from one step in the sequence to the next
- Trend monitoring function - a change in max, min, mean or amplitude from a user defined reference cycle can be used to control test flow or end test
- Amplitude control to correct for peak errors in a cyclic waveform
- Supported waveform types; sine, triangle, square, holds, ramps, trapezoidal, user defined turn points files, and sample data playback
- Mixed mode control on cyclic waveforms
- User defined events to control test progress
- The ability to automatically balance extensometers and derived position channels at any stage of the test
- Up to four real time graphs; X-Y, Double Y, Trend, Multi channel, chart recorder
- Single and nested looping of steps
- Advanced Data Reduction; either on time basis or change in channel value.
- Extensive data logging; per cycle data (max /min /amplitude /mean level), full hysteresis data, or both combined; at linear, logarithmic, change in value or user defined intervals
- Data storage to computer disk in ASCII format at rates up to 5kHz or 10kHz synchronous on all channels
- Ability to pause and resume a test, either immediately or at some point in the future
- Control of digital and analogue outputs
- Waveform start and stop enveloping
- Tracking and Peak & Trend Live Displays
- Can be expanded with Calculations (D1) or Advanced Control (E1) modules
- Set of Electronic Manuals in PDF Format

- Available in English, French, German or Japanese

Requires PC meeting compatibility specification, Windows XP Professional SP3 or Windows 7 (32/64bit), GPIB card (8800 Tower), 2495-901 Console Software, 8800 controller running 8.07 firmware or higher, software maintenance and training options.

Supplied on CD ROM.

### **1 2495-955D1**

#### WaveMatrix Calculation Module

WaveMatrix's Calculation Module is an option that enables a user to set up and perform various real-time calculations as part of a test. Calculations can be added to a test method as either tracking channels (providing continuous data) or peak & trend channels (providing one data value per cycle) and permits:

- \* Saving of calculated values into the results files as selected by a user
- \* Displaying of calculated values on graphs found on the Live Test Workspace
- \* Calculated values to be used as data processing or trend monitoring criteria

WaveMatrix supports the following standard calculation types:

- \* Acceleration
- \* Dynamic Mechanical Analysis (DMA) Calculations [Loss Angle, Tan Delta, E\*, E', E'', Energy, Energy Loss, K\* and Frequency] to be used in combination with a fatigue or durability test
- \* Elastic Stiffness Calculations [Elastic Stiffness, Compliance and Force Intercept]
- \* Energy Calculations [Total Energy, Cycle Energy, Cycle Energy Range, Max Cycle Energy, Min Cycle Energy, Residual Cycle Energy, Total Cycle Energy]
- \* Frame Compliance Correction
- \* Velocity
- \* Young's Modulus
- \* User Defined (for experienced C# programmers only)

See data sheet for further information.

### **Bluehill 3 Testing Software Updates and Upgrades**

#### **1 2450-130**

Bluehill 3 is Instron's premier materials and components testing software package meeting the needs of a wide variety of applications including plastics, composites, metals, elastomers, biomedical, adhesives, textiles, components and others. Each application module provides the capability for tension, compression, flexure, stress-relation, creep, peel, tear and friction testing and test control based off of extension, load or strain. Also included is Instron's complete calculation library with hundreds of different calculations including user-defined calculations. Professionalism is guaranteed with Bluehill's one-of-a-kind report generator that allows the ultimate flexibility in creating customized report templates that can be linked with test methods and used to export test results via email or save as HTML, Word or PDF. Options for advanced test control, such as block loading, and data analysis, such as web camera recording, are also available.

For Windows® 7 (32 & 64 bit) and XP (Service Pack 3) operating systems.

(Please supply original software's serial number.)

For information on latest features and other resources, please visit the Bluehill 3 page on instron.com: <http://www.instron.com/wa/product/Bluehill-3-Materials-Testing-Software.aspx>

#### **1 2450-130A1**

English language option.

**1 2450-130B3**

Bluehill 3 for Existing Bluehill 2 Users.  
New CD shipped. Must choose one application module.  
(Please supply original software's serial number.)

**1 2450-130C6**

For 8800 controller series.

**1 2450-130D4**

Metals Application Module

The Metals Application Module includes the following pre-configured test methods: ASTM E8-08, A370(2009ae1), E517-00, E646-00, E345-93, E21-09, A615-09b, F2516-07e2\*, EN 10002-1(2001), ISO 6892-1(2009), ISO 10113(2006).

\*ASTM F2516 requires TestProfiler.

**1 2450-130F1**

TestProfiler allows you to create custom test control sequences (profiles) with a simple, user friendly interface. Complex cyclic test sequences are readily created by using TestProfiler's waveform building blocks (triangles, ramps and holds). Your test method is graphically displayed as you create it and standard Window's tools (cut, paste, copy, delete, etc.) can be used to quickly create or modify virtually any complex test sequence. Test results can be independently assigned to individual test blocks and the graphical display of test results can be filtered to show only the blocks (cycles) of interest.

**1 2450-130H1**

Analysis Module

The Analysis Module provides users additional flexibility for data analysis above that available in Bluehill 3's standard application modules. Analysis provides the ability to replay a previously tested sample using any test method. Test methods may be set up and saved with different calculations and results for quick generation of commonly reported results.

**1 1405-503**

Software Warranty Services

The service and support agreement for this software under warranty includes the following services during the first year of ownership (see Instron Terms and Conditions for exact details, limitations and restrictions):

Technical Support:

- Priority telephone support during normal business hours at our Norwood MA headquarters.
- All software updates, but not upgrades, during the warranty period
- Damaged CD replacement on warranted software
- FAQ and literature access at [www.instron.com](http://www.instron.com)

Web Support Agreement (WSA), includes the following:

- Access to a secure website under one user log-in
- Priority support web based help desk
- Access to scheduled Webinars, application & product information (English)
- On-line access to calibration certificates, not currently available for CEAST systems and instruments
- E-mail notifications of software update availability

- Software updates available via internet download

### **Instron Supplied Computer**

#### **1 2490-646**

Dell Personal Computer Optiplex 9010 Quad Core Processor

Minimum Specification that will be supplied as follows:

- Intel Core i5 Processor 3570 (3.4 GHz, 6 MB)
- Vertical Chassis Orientation (Mini-tower)
- 6GB DDR3 RAM
- 500GB (7200 rpm) SATA Hard Drive
- 16X DVD+/-RW
- Internal Graphics, VGA and 2 Display Port
- Internal Speaker
- 1 x Integrated Ethernet Port and 1 x Ethernet PCI-E Network Card (for use with Ethernet Frame Interface)
- 1 \*PCI (NOT full length) and 2 PCIe x16 (1 wired x4), 1 PCIe x4
- Dell Black 2 Button USB Scroll Optical Mouse
- 3 Year Basic Warranty - Next Business Day

PC specifications change on a regular basis, please consult factory for latest specification.

\* PCI slot is required for installation of GPIB card on 8800 Tower systems only.

#### **1 2490-646AL**

US Keyboard and English Operating System

#### **1 2490-646C9**

22 in Wide Screen Flat Panel Monitor

#### **1 2490-646D2**

120V

#### **1 2490-646EA**

Supplied with Microsoft Windows 7 Professional operating system

### **INSTALLATION 1 1430-050**

Retrofit Installation

This extend retrofit will be installed by an Instron Service Engineer and depending on the exact configuration, the following services will be provided.

- Rationalization of one load cell
- Disconnection of old system controller and other related hardware (Instron reserves the right to components of the existing controls unless otherwise agreed and the customer is responsible for disposal of this equipment unless otherwise agreed.
- Make all physical and electrical connections for new equipment
- Perform checks to confirm the system is functioning correctly.

#### **1 1450-095**

Single dynamic software Application Package Introduction OR Console Software Update Introduction. Excludes advanced control and calculations

Review of Software Application package and user's application needs

- Creation and the running of up to 2 predefined user tests.
- Sample and Specimen Parameter Inputs
- Control parameter Inputs
- Results / Calculations / Output Options
- Demonstrate test to verify developed test using customer supplied specimen.
- Instruction on simple modifications to Test Parameters (if applicable)

The above service is expected to take a maximum of 4 hours, includes software installation.

### **1 1450-057**

Onsite Bluehill 3 Advanced Training and / or Consultancy

Appropriate for Bluehill users who have completed the 'Introduction to Bluehill Fundamentals and Test Method Development' (1450-055) or 'Bluehill Upgrade Training' (1450-056) training course. Up to 4 hour onsite session providing advanced training and / or assistance with the migration and development of test methods, for up to three developers, within the allotted 4 hour time period using customer supplied equipment. Provides assistance related to the application of one or more of the following software elements.

- Instron video or Auto-X extensometer application using BH 3
- Connecting and Configuring User Transducers
- Identifying transducer types and how they are identified
- Making physical connections
- Calibrating user transducers and creating measurements
- Creation and use of Physical and Virtual Measurements
- Understanding measurement types
- Creating Physical and Virtual measurements
- Creating an extension measurement correction
- Use of the Bluehill 3 Expression Builder
- Creating Virtual measurements
- Creating user calculations
- Use of the Domain feature
- Use of Test Profiler
- Creating Waveforms
- Use of Control modes
- Selecting Calculations and Results

#### Notes

- 1 . Travel time is included if training / consultancy is ordered with a new system, system upgrade, or system retrofit (which includes installation) and training / consultancy is delivered at time of installation.
2. If delivered separately, local travel zone charges will apply.
3. 4 hour time period can be extended with the purchase of additional 1450-057 onsite sessions.

### **1 1450-095**

Single dynamic software Application Package Introduction OR Console Software Update Introduction. Excludes advanced control and calculations

Review of Software Application package and user's application needs

- Creation and the running of up to 2 predefined user tests.
- Sample and Specimen Parameter Inputs
- Control parameter Inputs

- Results / Calculations / Output Options
- Demonstrate test to verify developed test using customer supplied specimen.
- Instruction on simple modifications to Test Parameters (if applicable)

The above service is expected to take a maximum of 4 hours, includes software installation.

### **1 1450-050**

#### Basic System and Software Introduction

This Introduction provides a brief overview for up to 3 operators on the supplied system.

Included in this item are:

- Safety Awareness
- General materials testing safety precautions and system safety features
- Test instrument overview including:
  - Integration and set-up of load frame and computer
  - Mounting and testing of all peripheral fixtures and transducers
  - Setup of hardware to the users immediate requirement
- Review of the major system components
- Powering on/off of instrument and software (if appropriate)
- Console and software console controls
- Calibration procedures
- Review basic operation manual and related documentation
- Creation if necessary, of 1 user test method to the user's requirement
- Testing of specimens to confirm or verify test method.
- Review of test method results
- Review of default/standard report format

### **1 1405-505**

#### First Year Retrofit System Warranty

This system under warranty includes the following services during the first year of ownership (see Instron's Terms and Conditions for exact details, limitations and restrictions:

Technical support includes the following:

- Unlimited priority telephone support during normal business hours
- All software updates, but not upgrades, during the agreement period.
- Damaged CD replacement on warranted software.
- Web support agreement (WSA): Includes the following:
  - Allows users access to a restricted website under one user log-in
  - FAQ's
  - Technical Literature
  - Priority support web based help desk
  - 2 Instron webinars providing application or product information or assistance.
  - On-line access to calibration certificates
  - On-line access to service history
  - Software updates delivered via the web

Onsite support includes:

- Parts, labor and travel for repair and replacement for retrofit only items that are covered under the warranty as

defined by the Instron Terms and Conditions document

Note: The performance and accuracy of a system fitted with new control electronics is dependent upon the mechanics of the existing system. For this reason, the seller can offer no guarantees as to the combined performance and accuracy of the new system combination of existing frame components and new control electronics.

Note: Warranty by Instron shall not apply. In the case of components, accessories or equipment not manufactured by Instron as part of this contract but incorporated in the original testing system components which become defective in use.

Section SF 1449 - CONTINUATION SHEET

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001	Hydraulic Fatigue Tester Retrofit FFP Reference Quote # JDHDQ1036-1. Please see Statement of Work in Continuation Page of SF30  Shipping is included  Mark for Contract W56HZV-14-P-A841 Please Deliver To: TARDEC Central Receiving Dock BLDG 249 6501 E Eleven Mile Road Warren, MI 48397 ATTN: Demetrios A. Tzelepis 586-282-6600 FOB: Destination				\$0.00

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NET AMT	\$0.00
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ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001AA	Hydraulic Fatigue Tester Retrofit FFP Funding in suport of CLIN 0001 FOB: Destination PURCHASE REQUEST NUMBER: 0010581874-0003	1	Job	\$42,347.00	\$42,347.00

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NET AMT	\$42,347.00
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ACRN AB	\$42,347.00
CIN: GFES001058187400003	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001AA	Hydraulic Fatigue Tester Retrofit FFP Funding in suport of CLIN 0001 FOB: Destination PURCHASE REQUEST NUMBER: 0010581874-0003	1	Job	\$42,347.00	\$42,347.00

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NET AMT	\$42,347.00
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ACRN AB CIN: GFEB001058187400003	\$42,347.00
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ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001AB	Hydraulic Fatigue Tester Retrofit FFP Funding in support of CLIN 0001 FOB: Destination PURCHASE REQUEST NUMBER: 0010581874-0003	1	Job	\$20,313.00	\$20,313.00

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NET AMT	\$20,313.00
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ACRN AA CIN: GFEB001058187400001	\$20,313.00
-------------------------------------	-------------

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001AB	Hydraulic Fatigue Tester Retrofit FFP Funding in support of CLIN 0001 FOB: Destination PURCHASE REQUEST NUMBER: 0010581874-0003	1	Job	\$20,313.00	\$20,313.00
NET AMT					\$20,313.00
ACRN AA CIN: GFEB001058187400001					\$20,313.00

**INSPECTION AND ACCEPTANCE TERMS**

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
0001	N/A	N/A	N/A	Government
0001AA	Destination	Government	Destination	Government
0001AB	Destination	Government	Destination	Government

**INSPECTION AND ACCEPTANCE TERMS**

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
0001	N/A	N/A	N/A	Government
0001AA	Destination	Government	Destination	Government
0001AB	Destination	Government	Destination	Government

**DELIVERY INFORMATION**

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
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CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
0001	N/A	N/A	N/A	N/A
0001AA	14-NOV-2014	1	TARDEC DEMETRIOS TZELEPIS DEMETRIOS TZELEPIS RDTA-EN DEMETRIOS.TZELEPIS@US.ARMY.MIL WARREN MI 48397-5000 586-282-5291 FOB: Destination	W91ATL
0001AB	21-NOV-2014	1	(SAME AS PREVIOUS LOCATION) FOB: Destination	W91ATL

## DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
0001	N/A	N/A	N/A	N/A
0001AA	14-NOV-2014	1	TARDEC DEMETRIOS TZELEPIS DEMETRIOS TZELEPIS RDTA-EN DEMETRIOS.TZELEPIS@US.ARMY.MIL WARREN MI 48397-5000 586-282-5291 FOB: Destination	W91ATL
0001AB	21-NOV-2014	1	(SAME AS PREVIOUS LOCATION) FOB: Destination	W91ATL

## ACCOUNTING AND APPROPRIATION DATA

AA: 0212014201420200000111114310 R.0012635.2.1 6100.9000021001  
 COST CODE: A60FL  
 AMOUNT: \$20,313.00  
 CIN GFEB001058187400001: \$20,313.00

AB: 0212014201520400000662622310 R.0009787.1.1 6100.9000021001  
 COST CODE: A60FL  
 AMOUNT: \$42,347.00  
 CIN GFEB001058187400003: \$42,347.00

## ACCOUNTING AND APPROPRIATION DATA

AA: 021201420142020000111114310 R.0012635.2.1 6100.9000021001  
 COST CODE: A60FL  
 AMOUNT: \$20,313.00  
 CIN GFEB001058187400001: \$20,313.00

AB: 0212014201520400000662622310 R.0009787.1.1 6100.9000021001  
 COST CODE: A60FL  
 AMOUNT: \$42,347.00  
 CIN GFEB001058187400003: \$42,347.00

## CLAUSES INCORPORATED BY REFERENCE

52.204-13	System for Award Management Maintenance	JUL 2013
52.212-4	Contract Terms and Conditions--Commercial Items	MAY 2014
52.247-34	F.O.B. Destination	NOV 1991
252.203-7000	Requirements Relating to Compensation of Former DoD Officials	SEP 2011
252.204-7006	Billing Instructions	OCT 2005
252.225-7001	Buy American And Balance Of Payments Program	DEC 2012
252.225-7002	Qualifying Country Sources As Subcontractors	DEC 2012
252.232-7003	Electronic Submission of Payment Requests and Receiving Reports	JUN 2012
252.232-7010	Levies on Contract Payments	DEC 2006
252.243-7001	Pricing Of Contract Modifications	DEC 1991
252.246-7000	Material Inspection And Receiving Report	MAR 2008

## CLAUSES INCORPORATED BY FULL TEXT

52.201-4000 TACOM-WARREN OMBUDSPERSON Jan 06

Information regarding the TACOM-Warren Ombudsperson is located at the website  
<http://contracting.tacom.army.mil/acqinfo/ombudsperson.htm>.

52.204-4005 (TACOM) REQUIRED USE OF ELECTRONIC COMMERCE (AUG 2012)

(a) All contract awards, modifications and delivery orders issued by TACOM will be issued electronically. The contractor has the option to receive these actions either via the Worldwide Web (WWW) or Electronic Data Interchange (EDI). Many provisions/clauses that appear "by reference", meaning only clause titles and regulation site are listed; their full texts can be found at the website: <http://farsite.hill.af.mil/>

(b) In order to be eligible to receive an award under this solicitation, the successful offeror must be registered with the Department of Defense (DOD) System for Award Management (SAM). The SAM registration process may be done electronically at the World Wide Web (WWW) site: <https://www.sam.gov/portal/public/SAM>. (In order to be registered to use EDI, you must use the long form for registration. Certification information, including

information on the EDI 838 TPP, must be furnished to the Contracting Officer within 60 calendar days after contract award to complete networking requirements within the Government.)

(c) Worldwide Web Distribution. The contractor will receive an electronic Notice of the Award, Modification, or Delivery Order via e-mail. If you choose the WWW option, you must download the file from the appropriate TACOM webpage:

Warren: [http://contracting.tacom.army.mil/CFDATA/AWARDS/AWARD\\_RPT01.cfm](http://contracting.tacom.army.mil/CFDATA/AWARDS/AWARD_RPT01.cfm)

Rock Island - JMTC: <https://acquisition.army.mil/asfi/>

Red River Army Depot: <https://www.redriver.army.mil/>

Anniston Army Depot: <https://acquisition.army.mil/asfi/>

(d) Electronic Data Interchange. If you choose to receive contract awards, modifications and delivery orders through EDI, they will be delivered electronically via the Federal Acquisition Network (FACNET). Federal Standard Version 3050 of Standard X12 from the American National Standards Institute (ANSI) will be used as the format for these electronic transactions.

(1) You must complete the EDI 838 Trading Partner Profile, and must agree (i) to subcontract with a DoD certified VAN or Value Added Service (VAS) provider, or (ii) to become DoD certified as a Value Added Network (VAN). The EDI 838 Trading Partner Profile is contained in the basic SAM registration form and includes portions of the registration form which are titled "Optional".

(2) You must select a VAN from the official DoD approved list. DoD Certified VANs are listed at <http://www.acq.osd.mil/dpap/ebiz/VANs.htm>. If your VAN is later removed from the official list, or if you voluntarily drop your initially selected VAN, then you must switch to a VAN that remains on the official DoD approved list. You must maintain an active account on a DoD approved VAN for the entire duration of the contract, beginning no later than the 60th day after award.

(e) Unless otherwise specified elsewhere in the contract, all data items you are required to provide under this contract must be submitted electronically. Please go to the following webpage for <http://contracting.tacom.army.mil/acqinfo/ebidnotice.htm>

(f) Additional information can be obtained by sending a message to: [usarmy.detroit.acc.mbx.wrn-web-page@mail.mil](mailto:usarmy.detroit.acc.mbx.wrn-web-page@mail.mil) or by calling (586) 282-7059.

[End of Clause]

52.204-4009 (TACOM) MANDATORY USE OF CONTRACTOR TO GOVERNMENT ELECTRONIC COMMUNICATION (AUG 2008)

- (a) All references in the contract to the submission of written documentation shall mean electronic submission. All electronic submissions shall be in the formats and media described in the website: <http://contracting.tacom.army.mil/acqinfo/ebidnotice.htm>.
- (b) This shall include all written unclassified communications between the Government and the Contractor except contract awards and contract modifications which shall be posted on the internet. Return receipt shall be used if a commercial application is available. Classified information shall be handled in full accordance with the appropriate security requirements.
- (c) In order to be contractually binding, all Government communications requiring a Contracting Officer signature must include an affirmative response from the Contracting Officer's e-mail address. The Contractor shall

designate the personnel with signature authority who can contractually bind the contractor. All binding contractor communication shall be sent from this contractor e-mail address(es).

- (d) Upon award, the Contractor shall provide the Contracting Officer with a list of e-mail addresses for all administrative and technical personnel assigned to this contract.
- (e) Unless exempted by the Procuring Contracting Officer in writing, all unclassified written communication after contract award shall be transmitted electronically.

(End of Clause)

#### 52.212-5 CONTRACT TERMS AND CONDITIONS REQUIRED TO IMPLEMENT STATUTES OR EXECUTIVE ORDERS--COMMERCIAL ITEMS (JULY 2014)

(a) The Contractor shall comply with the following Federal Acquisition Regulation (FAR) clauses, which are incorporated in this contract by reference, to implement provisions of law or Executive orders applicable to acquisitions of commercial items:

(1) 52.222-50, Combating Trafficking in Persons (FEB 2009) (22 U.S.C. 7104(g)).

X Alternate I (Aug 2007) of 52.222-50 (22 U.S.C. 7104(g)).

(2) 52.233-3, Protest After Award (AUG 1996) (31 U.S.C. 3553).

(3) 52.233-4, Applicable Law for Breach of Contract Claim (OCT 2004) (Public Laws 108-77 and 108-78 (19 U.S.C. 3805 note)).

(b) The Contractor shall comply with the FAR clauses in this paragraph (b) that the Contracting Officer has indicated as being incorporated in this contract by reference to implement provisions of law or Executive orders applicable to acquisitions of commercial items: (Contracting Officer check as appropriate.)

\_\_\_ (1) 52.203-6, Restrictions on Subcontractor Sales to the Government (Sept 2006), with Alternate I (Oct 1995) (41 U.S.C. 4704 and 10 U.S.C. 2402).

\_\_\_ (2) 52.203-13, Contractor Code of Business Ethics and Conduct (Apr 2010) (41 U.S.C. 3509).

\_\_\_ (3) 52.203-15, Whistleblower Protections under the American Recovery and Reinvestment Act of 2009 (June 2010) (Section 1553 of Pub. L. 111-5). (Applies to contracts funded by the American Recovery and Reinvestment Act of 2009.)

X (4) 52.204-10, Reporting Executive Compensation and First-Tier Subcontract Awards (July 2013) (Pub. L. 109-282) (31 U.S.C. 6101 note).

\_\_\_ (5) [Reserved]

\_\_\_ (6) 52.204-14, Service Contract Reporting Requirements (JAN 2014) (Pub. L. 111-117, section 743 of Div. C).

\_\_\_ (7) 52.204-15, Service Contract Reporting Requirements for Indefinite-Delivery Contracts (JAN 2014) (Pub. L. 111-117, section 743 of Div. C).

\_\_\_ (8) 52.209-6, Protecting the Government's Interest When Subcontracting with Contractors Debarred, Suspended, or Proposed for Debarment. (Aug, 2013) (31 U.S.C. 6101 note).

\_\_\_ (9) 52.209-9, Updates of Publicly Available Information Regarding Responsibility Matters (July 2013) (41 U.S.C. 2313).

\_\_\_ (10) 52.209-10, Prohibition on Contracting with Inverted Domestic Corporations (MAY 2012) (section 738 of Division C of Pub. L. 112-74, section 740 of Division C of Pub. L. 111-117, section 743 of Division D of Pub. L. 111-8, and section 745 of Division D of Pub. L. 110-161).

\_\_\_ (11) 52.219-3, Notice of HUBZone Set-Aside or Sole-Source Award (NOV 2011) (15 U.S.C. 657a).

\_\_\_ (12) 52.219-4, Notice of Price Evaluation Preference for HUBZone Small Business Concerns (Jan 2011) (if the offeror elects to waive the preference, it shall so indicate in its offer) (15 U.S.C. 657a).

\_\_\_ (13) [Reserved]

\_\_\_ (14)(i) 52.219-6, Notice of Total Small Business Set-Aside (NOV 2011) (15 U.S.C. 644).

\_\_\_ (ii) Alternate I (NOV 2011).

\_\_\_ (iii) Alternate II (NOV 2011).

\_\_\_ (15)(i) 52.219-7, Notice of Partial Small Business Set-Aside (June 2003) (15 U.S.C. 644).

\_\_\_ (ii) Alternate I (Oct 1995) of 52.219-7.

\_\_\_ (iii) Alternate II (Mar 2004) of 52.219-7.

\_\_\_ (16) 52.219-8, Utilization of Small Business Concerns (MAY 2014) (15 U.S.C. 637(d)(2) and (3)).

\_\_\_ (17)(i) 52.219-9, Small Business Subcontracting Plan (July 2013) (15 U.S.C. 637(d)(4)).

\_\_\_ (ii) Alternate I (Oct 2001) of 52.219-9.

\_\_\_ (iii) Alternate II (Oct 2001) of 52.219-9.

\_\_\_ (iv) Alternate III (Jul 2010) of 52.219-9.

\_\_\_ (18) 52.219-13, Notice of Set-Aside of Orders (NOV 2011) (15 U.S.C. 644(r)).

\_\_\_ (19) 52.219-14, Limitations on Subcontracting (NOV 2011) (15 U.S.C. 637(a)(14)).

- \_\_\_\_ (20) 52.219-16, Liquidated Damages—Subcontracting Plan (Jan 1999) (15 U.S.C. 637(d)(4)(F)(i)).
- \_\_\_\_ (21)(i) 52.219-23, Notice of Price Evaluation Adjustment for Small Disadvantaged Business Concerns (Oct 2008) (10 U.S.C. 2323) (if the offeror elects to waive the adjustment, it shall so indicate in its offer).
- \_\_\_\_ (ii) Alternate I (June 2003) of 52.219-23.
- \_\_\_\_ (22) 52.219-25, Small Disadvantaged Business Participation Program—Disadvantaged Status and Reporting (July 2013) (Pub. L. 103-355, section 7102, and 10 U.S.C. 2323).
- \_\_\_\_ (23) 52.219-26, Small Disadvantaged Business Participation Program— Incentive Subcontracting (Oct 2000) (Pub. L. 103-355, section 7102, and 10 U.S.C. 2323).
- \_\_\_\_ (24) 52.219-27, Notice of Service-Disabled Veteran-Owned Small Business Set-Aside (NOV 2011) (15 U.S.C. 657f).
- \_\_\_\_ (25) 52.219-28, Post Award Small Business Program Rerepresentation (July 2013) (15 U.S.C. 632(a)(2)).
- \_\_\_\_ (26) 52.219-29, Notice of Set-Aside for Economically Disadvantaged Women-Owned Small Business (EDWOSB) Concerns (July 2013) (15 U.S.C. 637(m)).
- \_\_\_\_ (27) 52.219-30, Notice of Set-Aside for Women-Owned Small Business (WOSB) Concerns Eligible Under the WOSB Program (July 2013) (15 U.S.C. 637(m)).
- X (28) 52.222-3, Convict Labor (June 2003) (E.O. 11755).
- X (29) 52.222-19, Child Labor—Cooperation with Authorities and Remedies (JAN 2014) (E.O. 3126).
- X (30) 52.222-21, Prohibition of Segregated Facilities (Feb 1999).
- X (31) 52.222-26, Equal Opportunity (Mar 2007) (E.O. 11246).
- X (32) 52.222-35, Equal Opportunity for Veterans (Jul 2014)(38 U.S.C. 4212).
- X (33) 52.222-36, Equal Opportunity for Workers with Disabilities (July 2014) (29 U.S.C. 793).
- X (34) 52.222-37, Employment Reports on Veterans (July 2014) (38 U.S.C. 4212).
- \_\_\_\_ (35) 52.222-40, Notification of Employee Rights Under the National Labor Relations Act (Dec 2010) (E.O. 13496).
- \_\_\_\_ (36) 52.222-54, Employment Eligibility Verification (Aug 2013). (Executive Order 12989). (Not applicable to the acquisition of commercially available off-the-shelf items or certain other types of commercial items as prescribed in 22.1803.)
- \_\_\_\_ (37)(i) 52.223-9, Estimate of Percentage of Recovered Material Content for EPA–Designated Items (May 2008) (42 U.S.C. 6962(c)(3)(A)(ii)). (Not applicable to the acquisition of commercially available off-the-shelf items.)
- \_\_\_\_ (ii) Alternate I (May 2008) of 52.223-9 (42 U.S.C. 6962(i)(2)(C)). (Not applicable to the acquisition of commercially available off-the-shelf items.)

\_\_\_\_\_ (38) (i) 52.223-13, Acquisition of EPEAT® Registered Imaging Equipment (Jun 2014)+(E.O.s 13423 and 13514).

\_\_\_\_\_ (ii) Alternate I (Jun 2014) of 52.223-13.

\_\_\_\_\_ (39)(i) 52.223-14, Acquisition of EPEAT® Registered Televisions (Jun 2014) (E.O.s 13423 and 13514).

\_\_\_\_\_ (ii) Alternate I (Jun 2014) of 52.223-14.

\_\_\_\_\_ (40) 52.223-15, Energy Efficiency in Energy-Consuming Products (Dec 2007) (42 U.S.C. 8259b).

\_\_\_\_\_ (41)(i) (i) 52.223-16, Acquisition of EPEAT® -Registered Personal Computer Products (Jun 2014) (E.O.s 13423 and 13514).

\_\_\_\_\_ (ii) Alternate I (Jun 2014) of 52.223-16.

X (42) 52.223-18, Encouraging Contractor Policies to Ban Text Messaging While Driving (Aug 2011) (E.O. 13513).

\_\_\_\_\_ (43) 52.225-1, Buy American--Supplies (May 2014) (41 U.S.C. chapter 83).

\_\_\_\_\_ (44) (i) 52.225-3, Buy American--Free Trade Agreements--Israeli Trade Act (May 2014) (41 U.S.C. chapter 83, 19 U.S.C. 3301 note, 19 U.S.C. 2112 note, 19 U.S.C. 3805 note, 19 U.S.C. 4001 note, Pub. L. 103-182, 108-77, 108-78, 108-286, 108-302, 109-53, 109-169, 109-283, 110-138, 112-41, 112-42, and 112-43).

\_\_\_\_\_ (ii) Alternate I (May 2014) of 52.225-3.

\_\_\_\_\_ (iii) Alternate II (May 2014) of 52.225-3.

\_\_\_\_\_ (iv) Alternate III (May 2014) of 52.225-3.

\_\_\_\_\_ (45) 52.225-5, Trade Agreements (Nov 2013) (19 U.S.C. 2501, et seq., 19 U.S.C. 3301 note).

X (46) 52.225-13, Restrictions on Certain Foreign Purchases (June 2008) (E.O.'s, proclamations, and statutes administered by the Office of Foreign Assets Control of the Department of the Treasury).

\_\_\_\_\_ (47) 52.225-26, Contractors Performing Private Security Functions Outside the United States (Jul 2013) (Section 862, as amended, of the National Defense Authorization Act for Fiscal Year 2008; 10 U.S.C. 2302 Note).

X (48) 52.226-4, Notice of Disaster or Emergency Area Set-Aside (Nov 2007) (42 U.S.C. 5150)

\_\_\_\_\_ (49) 52.226-5, Restrictions on Subcontracting Outside Disaster or Emergency Area (Nov 2007) (42 U.S.C. 5150).

\_\_\_\_\_ (50) 52.232-29, Terms for Financing of Purchases of Commercial Items (Feb 2002) (41 U.S.C. 4505, 10 U.S.C. 2307(f)).

\_\_\_\_\_ (51) 52.232-30, Installment Payments for Commercial Items (Oct 1995) (41 U.S.C. 4505, 10 U.S.C. 2307(f)).

\_\_\_\_\_ (52) 52.232-33, Payment by Electronic Funds Transfer—System for Award Management (July 2013) (31 U.S.C. 3332).

\_\_\_\_ (53) 52.232-34, Payment by Electronic Funds Transfer—Other than System for Award Management (July 2013) (31 U.S.C. 3332).

\_\_\_\_ (54) 52.232-36, Payment by Third Party (MAY 2014) (31 U.S.C. 3332).

\_\_\_\_ (55) 52.239-1, Privacy or Security Safeguards (Aug 1996) (5 U.S.C. 552a).

\_\_\_\_ (56)(i) 52.247-64, Preference for Privately Owned U.S.-Flag Commercial Vessels (Feb 2006) (46 U.S.C. Appx. 1241(b) and 10 U.S.C. 2631).

\_\_\_\_ (ii) Alternate I (Apr 2003) of 52.247-64.

(c) The Contractor shall comply with the FAR clauses in this paragraph (c), applicable to commercial services, that the Contracting Officer has indicated as being incorporated in this contract by reference to implement provisions of law or Executive orders applicable to acquisitions of commercial items: (Contracting Officer check as appropriate.)

\_\_\_\_ (1) 52.222-41, Service Contract Labor Standards (MAY 2014) (41 U.S.C. chapter 67).

\_\_\_\_ (2) 52.222-42, Statement of Equivalent Rates for Federal Hires (MAY 2014) (29 U.S.C. 206 and 41 U.S.C. chapter 67).

\_\_\_\_ (3) 52.222-43, Fair Labor Standards Act and Service Contract Labor Standards--Price Adjustment (Multiple Year and Option Contracts) (MAY 2014) (29 U.S.C. 206 and 41 U.S.C. chapter 67).

\_\_\_\_ (4) 52.222-44, Fair Labor Standards Act and Service Contract Labor Standards--Price Adjustment (MAY 2014) (29 U.S.C. 206 and 41 U.S.C. chapter 67).

\_\_\_\_ (5) 52.222-51, Exemption from Application of the Service Contract Labor Standards to Contracts for Maintenance, Calibration, or Repair of Certain Equipment--Requirements (MAY 2014) (41 U.S.C. chapter 67).

\_\_\_\_ (6) 52.222-53, Exemption from Application of the Service Contract Labor Standards to Contracts for Certain Services--Requirements (MAY 2014) (41 U.S.C. chapter 67).

\_\_\_\_ (7) 52.222-17, Nondisplacement of Qualified Workers (MAY 2014) (E.O. 13495).

\_\_\_\_ (8) 52.226-6, Promoting Excess Food Donation to Nonprofit Organizations (MAY 2014) (42 U.S.C. 1792).

\_\_\_\_ (9) 52.237-11, Accepting and Dispensing of \$1 Coin (Sept 2008) (31 U.S.C. 5112(p)(1)).

(d) Comptroller General Examination of Record. The Contractor shall comply with the provisions of this paragraph (d) if this contract was awarded using other than sealed bid, is in excess of the simplified acquisition threshold, and does not contain the clause at 52.215-2, Audit and Records--Negotiation.

(1) The Comptroller General of the United States, or an authorized representative of the Comptroller General, shall have access to and right to examine any of the Contractor's directly pertinent records involving transactions related to this contract.

(2) The Contractor shall make available at its offices at all reasonable times the records, materials, and other evidence for examination, audit, or reproduction, until 3 years after final payment under this contract or for any shorter period specified in FAR Subpart 4.7, Contractor Records Retention, of the other clauses of this contract. If this contract is completely or partially terminated, the records relating to the work terminated shall be made available for 3 years after any resulting final termination settlement. Records relating to appeals under the disputes

clause or to litigation or the settlement of claims arising under or relating to this contract shall be made available until such appeals, litigation, or claims are finally resolved.

(3) As used in this clause, records include books, documents, accounting procedures and practices, and other data, regardless of type and regardless of form. This does not require the Contractor to create or maintain any record that the Contractor does not maintain in the ordinary course of business or pursuant to a provision of law.

(e) (1) Notwithstanding the requirements of the clauses in paragraphs (a), (b), (c), and (d) of this clause, the Contractor is not required to flow down any FAR clause, other than those in this paragraph (e)(1) in a subcontract for commercial items. Unless otherwise indicated below, the extent of the flow down shall be as required by the clause—

(i) 52.203-13, Contractor Code of Business Ethics and Conduct (APR 2010) (41 U.S.C. 3509).

(ii) 52.219-8, Utilization of Small Business Concerns (MAY 2014) (15 U.S.C. 637(d)(2) and (3)), in all subcontracts that offer further subcontracting opportunities. If the subcontract (except subcontracts to small business concerns) exceeds \$650,000 (\$1.5 million for construction of any public facility), the subcontractor must include 52.219-8 in lower tier subcontracts that offer subcontracting opportunities.

(iii) 52.222-17, Nondisplacement of Qualified Workers (MAY 2014) (E.O. 13495). Flow down required in accordance with paragraph (l) of FAR clause 52.222-17.

(iv) 52.222-26, Equal Opportunity (MAR 2007) (E.O. 11246).

(v) 52.222-35, Equal Opportunity for Veterans (JUL 2014) (38 U.S.C. 4212).

(vi) 52.222-36, Equal Opportunity for Workers with Disabilities (Jul 2014) (29 U.S.C. 793).

(vii) 52.222-37, Employment Reports on Veterans (Jul 2014) (38 U.S.C. 4212).

(viii) 52.222-40, Notification of Employee Rights Under the National Labor Relations Act (Dec 2010) (E.O. 13496). Flow down required in accordance with paragraph (f) of FAR clause 52.222-40.

(ix) 52.222-41, Service Contract Labor Standards (May 2014), (41 U.S.C. chapter 67).

(x) 52.222-50, Combating Trafficking in Persons (Feb 2009) (22 U.S.C. 7104(g)).

\_\_\_\_\_ Alternate I (Aug 2007) of 52.222-50 (22 U.S.C. 7104(g)).

(xi) 52.222-51, Exemption from Application of the Service Contract Labor Standards to Contracts for Maintenance, Calibration, or Repair of Certain Equipment--Requirements (May 2014) (41 U.S.C. chapter 67.)

(xii) 52.222-53, Exemption from Application of the Service Contract Labor Standards to Contracts for Certain Services--Requirements (May 2014) (41 U.S.C. chapter 67)

(xiii) 52.222-54, Employment Eligibility Verification (Aug 2013).

(xiv) 52.225-26, Contractors Performing Private Security Functions Outside the United States (Jul 2013) (Section 862, as amended, of the National Defense Authorization Act for Fiscal Year 2008; 10 U.S.C. 2302 Note).

(xv) 52.226-6, Promoting Excess Food Donation to Nonprofit Organizations. (May 2014) (42 U.S.C. 1792). Flow down required in accordance with paragraph (e) of FAR clause 52.226-6.

(xvi) 52.247-64, Preference for Privately-Owned U.S. Flag Commercial Vessels (Feb 2006) (46 U.S.C. Appx 1241(b) and 10 U.S.C. 2631). Flow down required in accordance with paragraph (d) of FAR clause 52.247-64.

(2) While not required, the contractor May include in its subcontracts for commercial items a minimal number of additional clauses necessary to satisfy its contractual obligations.

(End of clause)

#### 52.232-4000(TACOM) CONTRACTING OFFICER'S AUTHORITY

(APR 2006)

The Contracting Officer is the only person authorized to approve additions or changes in any of the requirements under any contract, resulting from this solicitation, notwithstanding any provisions contained elsewhere in this contract, the said authority remains solely in the Contracting Officer. In the event that the contractor effects any change at the direction of any person other than the Contracting Officer, such change shall be solely at the risk of the contractor. (See General Provision, entitled: "Notification of Changes," FAR 52.243-7 or paragraph (c) of FAR 52.212-4).

[End of Clause]

#### 52.232-4007

#### WIDE AREA WORK FLOW (WAWF), CODES, AND DESIGNATED ACCEPTORS (AUG 2012)

The contractor shall use WAWF to electronically process invoices for payment and receiving reports. The contractor shall register to use WAWF and take the Web-based training at <https://wawf.eb.mil>. Direct any questions relating to the system and vendor training to the Ogden Help Desk at 866-618-5988.

To properly route an invoice and receiving report through WAWF, the contractor shall indicate the following when prompted:

1. Select the appropriate type of invoice as indicated below. **It is imperative that contractors select the proper type of invoice.** Improper selection of an invoice type will result in the delay of a payment or the rejection of an invoice submittal.

  X   **Invoice and Receiving Report Combo (Supplies)**

Use for contracts that are entirely for supply requirements or for contracts that are predominantly for supply requirements but also includes minimal service line items.

       **Invoice 2-in-1 (Services)**

Use for contracts that are entirely for service requirements.

2. Use the following DoDAAC (Department of Defense Activity Address Code) codes when prompted:

- Your firm's CAGE Code: 80160

- Issue and Admin DoDAAC Code: W56HZV
  - Ship-To DoDAAC Code: W91ATL
  - Accept-By DoDAAC Code: W91ATL
  - Payment DoDAAC Code: HQ0490
3. Include the **Purchase Request Number** as specified in each Contract Line Item Number (CLIN). This number can be found at the bottom of the extended description of each CLIN. **NOTE:** The purchase request number may be different for each CLIN.
  4. Indicate the proper **Unit of Measure** as specified in each CLIN. Failure to indicate the proper Unit of Measure will lead to vendor pay issues.
  5. Indicate the following **Acceptor, Alternate Acceptor, and Contract Specialist** when the WAWF system prompts for “additional e-mail submission” after clicking “Signature”.
    - Primary Acceptor Name: Demetrios A. Tzelepis
    - Primary Acceptor e-mail: [demetrios.a.tzelepis.civ@mail.mil](mailto:demetrios.a.tzelepis.civ@mail.mil)
    - Alternate Acceptor Name: Derek Sabiston
    - Alternate Acceptor e-mail: [derek.m.sabiston.civ@mail.mil](mailto:derek.m.sabiston.civ@mail.mil)
    - Contract Specialist Name: Darrin Meyer
    - Contract Specialist e-mail: [darrin.r.meyer.mil@mail.mil](mailto:darrin.r.meyer.mil@mail.mil)

To track the status of an invoice, in WAWF click on the link, “Pay Status” (myInvoice-External link) found under the tab named “Lookup” or by going to <https://myinvoice.csd.disa.mil/index.html>. If the payment office indicated in the contract is Columbus, direct any payment related questions to the Defense Finance Accounting Services (DFAS) Columbus at 800-756-4571. If the payment office is other than Columbus, contact the contract administrator for the customer service phone/fax numbers.

[End of clause]

#### 52.252-2 CLAUSES INCORPORATED BY REFERENCE (FEB 1998)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es):

<http://farsite.hill.af.mil/vffar1.htm>

<http://farsite.hill.af.mil/VFDFAR1.HTM>

(End of clause)

#### 252.211-7003 ITEM UNIQUE IDENTIFICATION AND VALUATION (DEC 2013)

(a) Definitions. As used in this clause'

Automatic identification device means a device, such as a reader or interrogator, used to retrieve data encoded on machine-readable media.

Concatenated unique item identifier means--

(1) For items that are serialized within the enterprise identifier, the linking together of the unique identifier data elements in order of the issuing agency code, enterprise identifier, and unique serial number within the enterprise identifier; or

(2) For items that are serialized within the original part, lot, or batch number, the linking together of the unique identifier data elements in order of the issuing agency code; enterprise identifier; original part, lot, or batch number; and serial number within the original part, lot, or batch number.

Data Matrix means a two-dimensional matrix symbology, which is made up of square or, in some cases, round modules arranged within a perimeter finder pattern and uses the Error Checking and Correction 200 (ECC200) specification found within International Standards Organization (ISO)/International Electrotechnical Commission (IEC) 16022.

Data qualifier means a specified character (or string of characters) that immediately precedes a data field that defines the general category or intended use of the data that follows.

DoD recognized unique identification equivalent means a unique identification method that is in commercial use and has been recognized by DoD. All DoD recognized unique identification equivalents are listed at [http://www.acq.osd.mil/dpap/pdi/uid/iuid\\_equivalents.html](http://www.acq.osd.mil/dpap/pdi/uid/iuid_equivalents.html).

DoD item unique identification means a system of marking items delivered to DoD with unique item identifiers that have machine-readable data elements to distinguish an item from all other like and unlike items. For items that are serialized within the enterprise identifier, the unique item identifier shall include the data elements of the enterprise identifier and a unique serial number. For items that are serialized within the part, lot, or batch number within the enterprise identifier, the unique item identifier shall include the data elements of the enterprise identifier; the original part, lot, or batch number; and the serial number.

Enterprise means the entity (e.g., a manufacturer or vendor) responsible for assigning unique item identifiers to items.

Enterprise identifier means a code that is uniquely assigned to an enterprise by an issuing agency.

Government's unit acquisition cost means--

(1) For fixed-price type line, subline, or exhibit line items, the unit price identified in the contract at the time of delivery;

(2) For cost-type or undefinitized line, subline, or exhibit line items, the Contractor's estimated fully burdened unit cost to the Government at the time of delivery; and

(3) For items produced under a time-and-materials contract, the Contractor's estimated fully burdened unit cost to the Government at the time of delivery.

Issuing agency means an organization responsible for assigning a globally unique identifier to an enterprise (e.g., Dun & Bradstreet's Data Universal Numbering System (DUNS) Number, GS1 Company Prefix, Allied Committee 135 NATO Commercial and Government Entity (NCAGE)/Commercial and Government Entity (CAGE) Code, or the Coded Representation of the North American Telecommunications Industry Manufacturers, Suppliers, and Related Service Companies (ATIS-0322000) Number), European Health Industry Business Communication Council (EHIBCC) and Health Industry Business Communication Council (HIBCC)), as indicated in the Register of Issuing Agency Codes for ISO/IEC 15459, located at <http://www.nen.nl/Normontwikkeling/Certificatieschemas-en-keurmerken/Schemabeheer/ISOIEC-15459.htm>.

Issuing agency code means a code that designates the registration (or controlling) authority for the enterprise identifier.

Item means a single hardware article or a single unit formed by a grouping of subassemblies, components, or constituent parts.

Lot or batch number means an identifying number assigned by the enterprise to a designated group of items, usually referred to as either a lot or a batch, all of which were manufactured under identical conditions.

Machine-readable means an automatic identification technology media, such as bar codes, contact memory buttons, radio frequency identification, or optical memory cards.

Original part number means a combination of numbers or letters assigned by the enterprise at item creation to a class of items with the same form, fit, function, and interface.

Parent item means the item assembly, intermediate component, or subassembly that has an embedded item with a unique item identifier or DoD recognized unique identification equivalent.

Serial number within the enterprise identifier means a combination of numbers, letters, or symbols assigned by the enterprise to an item that provides for the differentiation of that item from any other like and unlike item and is never used again within the enterprise.

Serial number within the part, lot, or batch number means a combination of numbers or letters assigned by the enterprise to an item that provides for the differentiation of that item from any other like item within a part, lot, or batch number assignment.

Serialization within the enterprise identifier means each item produced is assigned a serial number that is unique among all the tangible items produced by the enterprise and is never used again. The enterprise is responsible for ensuring unique serialization within the enterprise identifier.

Serialization within the part, lot, or batch number means each item of a particular part, lot, or batch number is assigned a unique serial number within that part, lot, or batch number assignment. The enterprise is responsible for ensuring unique serialization within the part, lot, or batch number within the enterprise identifier.

Type designation means a combination of letters and numerals assigned by the Government to a major end item, assembly or subassembly, as appropriate, to provide a convenient means of differentiating between items having the same basic name and to indicate modifications and changes thereto.

Unique item identifier means a set of data elements marked on items that is globally unique and unambiguous. The term includes a concatenated unique item identifier or a DoD recognized unique identification equivalent.

Unique item identifier type means a designator to indicate which method of uniquely identifying a part has been used. The current list of accepted unique item identifier types is maintained at [http://www.acq.osd.mil/dpap/pdi/uid/uii\\_types.html](http://www.acq.osd.mil/dpap/pdi/uid/uii_types.html).

(b) The Contractor shall deliver all items under a contract line, subline, or exhibit line item.

(c) Unique item identifier. (1) The Contractor shall provide a unique item identifier for the following:

(i) Delivered items for which the Government's unit acquisition cost is \$5,000 or more, except for the following line items:

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Contract line, subline, or exhibit line item No.	Item description
N/A	.....

(ii) Items for which the Government's unit acquisition cost is less than \$5,000 that are identified in the Schedule or the following table:

Contract line, subline, or exhibit line item No.	Item description
N/A	.....

(If items are identified in the Schedule, insert "See Schedule" in this table.)

(iii) Subassemblies, components, and parts embedded within delivered items, items with warranty requirements, DoD serially managed repairables and DoD serially managed nonrepairables as specified in Attachment Number ----.

(iv) Any item of special tooling or special test equipment as defined in FAR 2.101 that have been designated for preservation and storage for a Major Defense Acquisition Program as specified in Attachment Number ----.

(v) Any item not included in paragraphs (c)(1)(i), (ii), (iii), or

(iv) of this clause for which the contractor creates and marks a unique item identifier for traceability.

(2) The unique item identifier assignment and its component data element combination shall not be duplicated on any other item marked or registered in the DoD Item Unique Identification Registry by the contractor.

(3) The unique item identifier component data elements shall be marked on an item using two dimensional data matrix symbology that complies with ISO/IEC International Standard 16022, Information technology--International symbology specification--Data matrix; ECC200 data matrix specification.

(4) Data syntax and semantics of unique item identifiers. The Contractor shall ensure that--

(i) The data elements (except issuing agency code) of the unique item identifier are encoded within the data matrix symbol that is marked on the item using one of the following three types of data qualifiers, as determined by the Contractor:

(A) Application Identifiers (AIs) (Format Indicator 05 of ISO/IEC International Standard 15434), in accordance with ISO/IEC International Standard 15418, Information Technology--EAN/UCC Application Identifiers and Fact Data Identifiers and Maintenance and ANSI MH 10.8.2 Data Identifier and Application Identifier Standard.

(B) Data Identifiers (DIs) (Format Indicator 06 of ISO/IEC International Standard 15434), in accordance with ISO/IEC International Standard 15418, Information Technology--EAN/UCC Application Identifiers and Fact Data Identifiers and Maintenance and ANSI MH 10.8.2 Data Identifier and Application Identifier Standard.

(C) Text Element Identifiers (TEIs) (Format Indicator 12 of ISO/IEC International Standard 15434), in accordance with the Air Transport Association Common Support Data Dictionary; and

(ii) The encoded data elements of the unique item identifier conform to the transfer structure, syntax, and coding of messages and data formats specified for Format Indicators 05, 06, and 12 in ISO/IEC International Standard 15434, Information Technology-Transfer Syntax for High Capacity Automatic Data Capture Media.

(5) Unique item identifier.

(i) The Contractor shall--

(A) Determine whether to--

(1) Serialize within the enterprise identifier;

(2) Serialize within the part, lot, or batch number; or

(3) Use a DoD recognized unique identification equivalent (e.g. Vehicle Identification Number); and

(B) Place the data elements of the unique item identifier (enterprise identifier; serial number; DoD recognized unique identification equivalent; and for serialization within the part, lot, or batch number only: Original part, lot, or batch number) on items requiring marking by paragraph (c)(1) of this clause, based on the criteria provided in MIL-STD-130, Identification Marking of U.S. Military Property, latest version;

(C) Label shipments, storage containers and packages that contain uniquely identified items in accordance with the requirements of MIL-STD-129, Military Marking for Shipment and Storage, latest version; and

(D) Verify that the marks on items and labels on shipments, storage containers, and packages are machine readable and conform to the applicable standards. The contractor shall use an automatic identification technology device for this verification that has been programmed to the requirements of Appendix A, MIL-STD-130, latest version.

(ii) The issuing agency code--

(A) Shall not be placed on the item; and

(B) Shall be derived from the data qualifier for the enterprise identifier.

(d) For each item that requires item unique identification under paragraph (c)(1)(i), (ii), or (iv) of this clause or when item unique identification is provided under paragraph (c)(1)(v), in addition to the information provided as part of the Material Inspection and Receiving Report specified elsewhere in this contract, the Contractor shall report at the time of delivery, as part of the Material Inspection and Receiving Report, the following information:

(1) Unique item identifier.

(2) Unique item identifier type.

(3) Issuing agency code (if concatenated unique item identifier is used).

(4) Enterprise identifier (if concatenated unique item identifier is used).

(5) Original part number (if there is serialization within the original part number).

(6) Lot or batch number (if there is serialization within the lot or batch number).

(7) Current part number (optional and only if not the same as the original part number).

(8) Current part number effective date (optional and only if current part number is used).

(9) Serial number (if concatenated unique item identifier is used).

(10) Government's unit acquisition cost.

(11) Unit of measure.

(e) For embedded subassemblies, components, and parts that require DoD unique item identification under paragraph (c)(1)(iii) of this clause, the Contractor shall report as part of, or associated with, the Material Inspection and Receiving Report specified elsewhere in this contract, the following information:

(1) Unique item identifier of the parent item under paragraph (c)(1) of this clause that contains the embedded subassembly, component, or part.

(2) Unique item identifier of the embedded subassembly, component, or part.

(3) Unique item identifier type.\*\*

(4) Issuing agency code (if concatenated unique item identifier is used).\*\*

(5) Enterprise identifier (if concatenated unique item identifier is used).\*\*

(6) Original part number (if there is serialization within the original part number).\*\*

(7) Lot or batch number (if there is serialization within the lot or batch number).\*\*

(8) Current part number (optional and only if not the same as the original part number).\*\*

(9) Current part number effective date (optional and only if current part number is used).\*\*

(10) Serial number (if concatenated unique item identifier is used).\*\*

(11) Description.

(12) Type designation of the item as specified in the contract schedule, if any.

(13) Whether the item is an item of Special Tooling or Special Test Equipment.

(14) Whether the item is covered by a warranty.

\*\* Once per item.

(e) For embedded subassemblies, components, and parts that require DoD item unique identification under paragraph (c)(1)(iii) of this clause or when item unique identification is provided under paragraph (c)(1)(v), the Contractor shall report as part of the Material Inspection and Receiving Report specified elsewhere in this contract, the following information:

(f) The Contractor shall submit the information required by paragraphs (d) and (e) of this clause as follows:

(1) End items shall be reported using the receiving report capability in Wide Area WorkFlow (WAWF) in accordance with the clause at 252.232-7003. If WAWF is not required by this contract, and the contractor is not using WAWF, follow the procedures at <http://dodprocurementtoolbox.com/site/uidregistry/>.

(2) Embedded items shall be reported by one of the following methods--

(i) Use of the embedded items capability in WAWF;

(ii) Direct data submission to the IUID Registry following the procedures and formats at <http://dodprocurementtoolbox.com/site/uidregistry/>; or

(iii) Via WAWF as a deliverable attachment for exhibit line item number (fill in) ----, Unique Item Identifier Report for Embedded Items, Contract Data Requirements List, DD Form 1423.

(g) Subcontracts. If the Contractor acquires by contract any items for which item unique identification is required in accordance with paragraph (c)(1) of this clause, the Contractor shall include this clause, including this paragraph (g), in the applicable subcontract(s), including subcontracts for commercial items.

(End of clause)