

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. Contract ID Code
Firm-Fixed-Price

Page 1 Of 15

2. Amendment/Modification No. 0001	3. Effective Date 2012DEC21	4. Requisition/Purchase Req No. SEE SCHEDULE	5. Project No. (If applicable)
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6. Issued By U.S. ARMY CONTRACTING COMMAND JEFFREY WEISS WARREN, MICHIGAN 48397-5000 HTTP://CONTRACTING.TACOM.ARMY.MIL EMAIL: JEFFREY.WEISS3@US.ARMY.MIL	Code W56HZV	7. Administered By (If other than Item 6)	Code
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8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code)	<input checked="" type="checkbox"/>	9A. Amendment Of Solicitation No. W56HZV-11-R-0406
		9B. Dated (See Item 11) 2012NOV29
	<input type="checkbox"/>	10A. Modification Of Contract/Order No.
		10B. Dated (See Item 13)
Code	Facility Code	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers

is extended, is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing items 8 and 15, and returning 2 signed copies of the amendments; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. **FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER.** If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting And Appropriation Data (If required)

**13. THIS ITEM ONLY APPLIES TO MODIFICATIONS OF CONTRACTS/ORDERS
It Modifies The Contract/Order No. As Described In Item 14.**

<input type="checkbox"/>	A. This Change Order is Issued Pursuant To: The Contract/Order No. In Item 10A.	The Changes Set Forth In Item 14 Are Made In
<input type="checkbox"/>	B. The Above Numbered Contract/Order Is Modified To Reflect The Administrative Changes (such as changes in paying office, appropriation data, etc.) Set Forth In Item 14, Pursuant To The Authority of FAR 43.103(b).	
<input type="checkbox"/>	C. This Supplemental Agreement Is Entered Into Pursuant To Authority Of:	
<input type="checkbox"/>	D. Other (Specify type of modification and authority)	

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the Issuing Office.

14. Description Of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

SEE SECOND PAGE FOR DESCRIPTION

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name And Title Of Signer (Type or print)		16A. Name And Title Of Contracting Officer (Type or print)	
15B. Contractor/Offeror (Signature of person authorized to sign)	15C. Date Signed	16B. United States Of America By _____ /SIGNED/ (Signature of Contracting Officer)	16C. Date Signed

CONTINUATION SHEET**Reference No. of Document Being Continued****Page 2 of 15**

PIIN/SIIN W56HZV-11-R-0406

MOD/AMD 0001

Name of Offeror or Contractor:

SECTION A - SUPPLEMENTAL INFORMATION

Solicitation: W56HZV-11-R-0406

Amendment: 0001

1. The purpose of Amendment 0001 to Solicitation W56HZV-11-R-0406 is to make the following changes to Attachment 0001 (Components List):

The following items have all had a change in Quantity to match the Quantities listed in the DFP (Section C) of the solicitation:

3.1.187 Epoxy Kit - changed from 1 to 3

3.3.190 Cord, 3mm dia - changed from 3 to 1

3.3.192 Bandages, Plaster of Paris (12 bandages per box) - changed from 2 to 1

3.3.197 Hook and Line Kit - changed from 3 to 1

3.3.200 Flash Light - changed from 3 to 1

3.3.201 Mirror, with telescoping handle - changed from 2 to 1

3.3.203 Memory Card - changed from 1 to 2

3.3.205 Light, helmet - changed from 3 to 1

3.3.208 Hemostat, locking, strait - changed from 2 to 1

3.3.209 Hemostat, locking, curved - changed from 2 to 1

3.3.210 Bucket, collapsible - changed from 5 to 1

3.3.211 Light, puck style - changed from 6 to 1

3.3.212 Probe, mine, titanium - changed from 2 to 1

2. Changed clause 52.242-4022; Delivery Schedule - to change the delivery dates for the following (note: these dates are estimates. They will be officialy set in the contract):

CLIN 0001AA:

FROM:

30 Oct 2012
30 Nov 2012
30 Dec 2012
30 Jan 2013
28 Feb 2013
30 Mar 2013
30 Apr 2013

To:

30 Sep 2013
30 Oct 2013
29 Nov 2013
30 Dec 2013
30 Jan 2014
28 Feb 2014
31 Mar 2014

3. Offerors are required to acknowledge this amendment in accordance with provision 52.214-4000, Acknowledgement of Amendmtns, of the solicitation and acknowledgement shall be included in each copy of your offer submitted in accordance with provision 52.212-1 (b).

4. All other terms and conditions except those addressed by this amendment, remain in full force and effect.

CONTINUATION SHEET

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Name of Offeror or Contractor:

*** END OF NARRATIVE A0003 ***

CONTINUATION SHEET

Reference No. of Document Being Continued
 PIIN/SIIN W56HZV-11-R-0406 MOD/AMD 0001

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS				
0001	EOD OPTIMIZATION KIT NSN: 1385-01-600-2862 FSCM: 59678 PART NR: DFP611				
0001AA	<u>PRODUCTION QUANTITY</u> GENERIC NAME DESCRIPTION: EOD OPTIMIZATION KIT <u>Packaging and Marking</u> PACKAGING/PACKING/SPECIFICATIONS: SEE PACKAGING REQUIREMENTS CLAUSE LEVEL PRESERVATION: Commercial LEVEL PACKING: Commercial <u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin	700	EA	\$ _____	\$ _____

CONTINUATION SHEET

Reference No. of Document Being Continued
PIIN/SIIN W56HZV-11-R-0406 **MOD/AMD** 0001

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT

Name of Offeror or Contractor:

SECTION C - DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

DESCRIPTION FOR PURCHASE

C.1 SCOPE

C.1.1 This Description for Purchase (DFP) describes a set of tools to be used by the Army's explosive ordnance disposal teams.

C.1.2 Abstract. The Explosive Ordnance Disposal (EOD) Tool Kit is specifically organized to provide the military EOD technicians with a combination of common tools and special tools and equipment that may be quickly transported to a threatened site and utilized to locate, identify, disarm and remove unexploded ordnance of various types. The tools described in this DFP are intended to supplement and thereby upgrade the EOD tool kit. The kit serves a function that is inherently life threatening and requires intensive training.

C.2 APPLICABLE DOCUMENTS

C.2.1 Referenced documents. No documents are referenced in this Description for Purchase.

FEDERAL SPECIFICATIONS

GGG-W-65IE -- Wrenches: Pipe Wrench and Basin Wrench

C.3 PRODUCT REQUIREMENTS

C.3.1 General description. This tool kit consists of 26 items. One item will be provided as Government Furnished Material (GFM), one item requires a particular brand-name product, and two items have brand-name or equal requirements. For the two items that have brand-name or equal requirements, offerors may offer the brand name components or equivalent components from other manufacturers determined to be equal to the specified product. Equal components shall meet the salient characteristics of the brand name components to include the same or better form, fit, function, quality and warranty as the brand-name items to be acceptable for award. The citation of trade or manufacturers names does not constitute an endorsement by the Government. Tools listed in Federal supply classifications 51 and 52 are subject to the Berry Amendment and shall be produced in the United States. Such items as described above are identified in Table 1 and the requirements identified therein.

C.3.1.2 Preproduction verification. When specified in the contract, the Contractor shall furnish one or more sets for preproduction verification inspection in accordance with Section 4 herein and TACOM local clause 52.246-4534, Performance Verification Testing of the contract. The sets submitted shall be in accordance with the terms of the contract. Approval of the preproduction verification shall not relieve the Contractor of the responsibility to furnish equipment in accordance with the requirements of this DFP. All items supplied under this contract shall be identical to the preproduction verification sample.

C.3.1.3 Industrial quality tools. All components supplied with this set shall be industrial quality. For the purposes of this procurement, the term industrial quality tools versus household-use tools or general purpose tools are defined as tools commercially marketed and manufactured for constant, rigorous, industrial or professional environment use. The items offered shall have either achieved industrial market acceptance (as defined in paragraph 3.1.4) or have been satisfactory supplied to the Government under current or recent contracts for the same or similar requirements. Industrial quality tools are used primarily by skilled professionals and technicians in such areas as machine shops, automotive maintenance and repair facilities, aircraft maintenance and repair facilities, industrial automotive assembly plants, fleet maintenance facilities, and airline service facilities. The tools will be used for specialized applications in an environment of virtual constant use, (i.e. around-the-clock 8 hour shifts), with applications requiring high torque, low slippage, and strict tolerances.

C.3.1.4 Market acceptance. Market acceptance is demonstrated by the component having a higher percentage of sales to industrial/professional customers than to retail or government customers. Advertising or marketing literature that indicates professional grade or industrial quality, or merely stating that an item is professional grade or industrial quality is insufficient to establish industrial quality tools since these are terms for which there is no generally accepted definition. A claim that an item is manufactured to an industry consensus standard is also insufficient to establish industrial quality tools. The Contracting Officer may require offerors to provide evidence of market acceptance in the professional or industrial market. Evidence of acceptance by industrial/professional customers includes sales to fleet operators, distributors, Contractors, industrial and professional users, and sales to distributors who retail exclusively to the professional or industrial market.

C.3.2 Cloth materials. All of the cloth based products shall be made of woven man-made fiber material with UV inhibitor included in the material. Detailed requirements are given for each item individually in the paragraphs below. Cotton and other natural fiber products as well as synthetic fabric or coated synthetic fabric, including all textile fibers and yarns that are for use in such fabrics are subject to the Berry Amendment and shall be grown, reprocessed, reused, or produced in the United States.

C.3.2.1 Workmanship. The quality of workmanship imparted to the components provided to meet the requirements herein shall equal or exceed that typically provided to similar commercial kits of this type. The components presented for acceptance shall have been assembled with skill and care; shall be uniform, neat, and clean; and shall be free from irregularities and anomalies that degrade form, fit, function, performance or appearance.

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C.3.2.2 Warranty Information. Warranty literature shall be provided for each item supplied. Warranty information shall be protected to resist damage from moisture and shall be bundled with the printed materials covered under C.3.3. All components provided in paragraph 3.3 below that require a warranty shall be warranted with the Original Equipment Manufacturer's (OEM's) warranty. L is defined as OEM's Lifetime Warranty. M is defined as the OEM's Manufacturer Warranty. N is defined as No Warranty Required.

C.3.2.3 Warranty placard. Each set shall be provided with two weather resistant placards or laminated sheets displaying the following information:

"Contact PM SKOT for all Tool Replacement and Warranty Issues"

1-877-4-PM-SKOT (1-877-476-7568)

DSN: 273-3667 / CM: 586-239-3667

E-MAIL:

USARMY.DETROIT.PEO-CS-CSS.MAIL.PM-SKOT@MAIL.MIL

Web Site: <https://pmskot.army.mil>

C.3.3 Tools and related items to be provided. The total quantities of each item required are given in the column marked qty and are to be provided in the specified quantity per each kit assembled. The table represents the quantity of items for one assembled kit. The paragraph numbers used here begin where the paragraphs numbers in the larger tool set description left off. These are additional tools and are numbered accordingly.

<u>Para</u>	<u>Nomenclature</u>	<u>FSC</u>	<u>QTY</u>	<u>Warranty</u>
3.3.187	Epoxy Kit	8040	3	M
3.3.188	Monitor, Multi gas, Confined Space	6630	1	M
3.3.189	Screwdriver, Cordless	5130	1	M
3.3.190	Cord, 3mm dia	4030	1	M
3.3.191	Bags, polyethylene, 3 mils	8105	1 box or roll	N
3.3.192	Bandages, Plaster of Paris (12 bandages per box)	6510	1 box	M
3.3.193	Recharger, Battery, Solar Powered	6130	1	M
3.3.194	Detector, Trip wire	6510	1	N
3.3.195	Template Tool, EOD	6510	3	M
3.3.196	Detector, Metal	6350	1	M
3.3.197	Hook and Line Kit	6665	1	M
3.3.198	Knife, ceramic blade	5930	3	M
3.3.199	Backpack, EOD	6515	1	M
3.3.200	Flash light	6230	1	M
3.3.201	Mirror, with telescoping handle	4920	1	M
3.3.202	Camera, digital	6720	1	M
3.3.203	Memory card	7050	2	M
3.3.204	Wrench, pipe, aluminum	5120	1	L
3.3.205	Light, helmet	6230	1	M
3.3.206	Lantern, LED	6230	1	M
3.3.207	Tweezers, industrial	5120	1	M
3.3.208	Hemostat, locking, straight	6510	1	M
3.3.209	Hemostat, locking, curved	6510	1	M
3.3.210	Bucket, collapsible	8465	1	N
3.3.211	Light, puck style	6230	1	M
3.3.212	Probe, mine, titanium	6665	1	M

C.3.3.187 Epoxy kit. The epoxy system shall be a binary epoxy adhesive compound mixing at a 1:1 ratio, delivered in a dual barreled syringe with manually operated plungers. The work life of the mixed epoxy compound shall be approximately 4 minutes and the application time shall be approximately 2 minutes. The compound shall achieve a functional cure in approximately 1 hour and full cure in approximately 2 hours. The epoxy system shall work at temperatures between -20 F and +200 F. The delivered epoxy compound shall be clear in color. The cured state sheared strength of the compound shall be 2300 pounds per square inch (PSI) or higher. The epoxy compound shall work on substrates of metal, wood, brick, stone, and some plastics. The system shall deliver 25 milliliters of compound or more (See Attachment 0003 for picture).

C.3.3.188 Confined space multigas monitor. The multi-gas monitor shall be a self-cleaning, handheld or pocket sized unit capable of being clipped onto the operators clothing. The device shall detect oxygen (O2) and report the level detected as a percent by volume, shall detect combustible gasses relative to the Lower Explosive Limit (LEL) and report the level as a percent of atmosphere, shall detect volatile organic compounds (VOC) and report the level a parts per million (ppm), shall detect carbon monoxide (CO) and report the

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level as parts per million (ppm), and hydrogen sulfide (H₂S) and report the level as parts per million (ppm). The detector shall be easy to calibrate and include an automatic data logging feature. The detector shall also utilize a bright red flashing LED visible alarm and a loud audible alarm for immediate warning of dangerous conditions. The battery shall provide up to 16 hours of continuous operation. The detector shall be provided with a charging cradle that doubles as an external battery charger. The detector shall include an intake pump that will draw usable samples of atmosphere from up to 100 ft away and shall give an alarm warning when the pump experiences a low flow condition that does not support accurate and timely assessment of environmental gaseous conditions. The monitor shall include an integral fresh air calibration system as a self test feature. The monitor shall be stored in an injection molded polyethylene or polypropylene case with positive snap closure and contoured protective interior cushioning. Any and all required calibration equipment that is not built into the monitor shall be provided with the monitor and shall be stored in its own separate carrying case.

C.3.3.189 Cordless screwdriver. The cordless screw driver shall have a 1/2 inch drive chuck size and be powered by a 12-Volt rated lithium-ion battery. The screw driver shall include built-in shadow-free LED lighting that consists of more than two LED lights mounted onto the screwdriver. The screwdriver shall be designed for one-handed loading of drill bits and screwdriver bits, accepting bits up to 1 inch size. The screw driver shall be 6-1/2 inches long or less, shall weigh 2.5 pounds or less when weighed without a bit installed, shall have multiple torque settings of at least 125/75/42 ft-lbs of torque, variable speeds of at least 2850/1900/950 rpm, load speeds of 0 rpm to 1,050 rpm, and a reverse direction button. The total shipping weight of the kit shall not exceed 5 lbs. The screw driver shall include a belt clip, two identical 12-Volt lithium-ion battery packs, each rated at 1.1 amp hour with recharge time between 30 minutes and 1 hour, a fast charge battery charging base, a carrying bag or box, and a 32-Piece Rapid Load Bit Set that includes one each of the following:

- 1/4 inch drive Socket Adaptor,
- 1/4 inch drive hex shank,
- 3/8 inch socket adaptor,
- 1/4 inch drive hex shank,
- 5/16 nut setter that is 1-7/8 inch over all length,
- 1/4 inch drive hex shank,
- 1/4 inch nut setter that is 1-7/8 inch over all length,
- 1/4 inch drive hex shank, and
- compact magnetic drive guide with a #1 Phillips or cross tip bit, 1 inch long.

C.3.3.190 Non-stretching cord, Small Diameter. The cord shall be constructed as a hollow braided 12-strand rope using 100% Ultra High Molecular Weight Polyethylene (UHMWPE) with a specific gravity not less than .98 that was formed by extruding gel through a spinneret. The cord shall be a single ply construction, 1/8 inch or 3mm in diameter, weighing approximately 0.5 lbs /100 ft. The average tensile strength shall be not less than 1,600 lbs (726 Kg.). The cord shall include a urethane coating. The elongation factor shall be less than 5% when the cord is stressed to 40% of max rated working load. The cord shall be provided as a single coil 300 ft long.

C.3.3.191 Bags, polyethylene. The polyethylene bags shall be clear, not less than 3 mils thick and not less than 39 gallons in total rated capacity. The bags shall be provided in units of rolls or boxes with not less than 50 bags in a roll or box. The total number of bags required per EOD kit is 100 bags. All 100 bags can be packaged as a single unit box or roll if they are available that way.

C.3.3.192 Plaster of Paris bandages. The standard medical plaster cast bandage shall be approximately 3 inches wide by 36 inches long. Each individual bandage shall be wrapped in waterproof packaging and then stored 12 each per box. The gypsum plaster used in the bandage shall be quick-setting, the plaster setting process activate upon immersion in water and shall produce low heat levels as a byproduct of the reaction. The required quantity is a total of 24 bandages, stored 12 per box, in 2 boxes.

C.3.3.193 A solar powered portable battery recharging system shall be provided that is capable of recharging BB-2590, MBITR batteries and other standard nickel cadmium and lithium ion batteries ranging in sizes from AAA to D. The recharger shall also act as a continuous power source for laptop computers and other small electronics. The recharger shall also provide service as a converter to go between 12 volt and 24 volt automotive electrical systems utilizing NATO slave cable adapters and standard cigar lighter adapters to draw energy to charge the above batteries and operate the identified electronics systems.

C.3.3.194 A trip wire detector equal to the brand and part number given here shall be provided. The salient characteristics of the brand-name item to be met are (See Attachment 0003 for picture):

- a perfectly balanced telescoping pole
- hardened storage rod for protection
- the case cap shall be hard mounted to the feeler
- Weight: 3oz or less
- Dimensions: 0.75"x14.5" (61" Extended)

Brand name: Zero Point Inc, Virginia Beach, VA, part number ZPTWF"
<http://www.zeropointusa.com/products/tools/tripwire-feeler/>

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C.3.3.195 EOD template tool or fragmentation/ordnance gauge. This item shall be Government furnished to the Contractor for assembly into the EOD Optimization Kit. The template tool is 6 inches X 4 inches X 0.019 inches (0.5mm) thick. See Attachment 0002 of the Solicitation/Contract.

C.3.3.196 Metal detector. The ground metal detector shall detect metal targets. The detected presence of target materials shall be indicated by a specific tone to be immediately recognized by the operator, and the tone shall be convertible to a visual indicator for operations in stealth mode. The unit shall be designed to collapse upon itself for storage and transport by hand, unfolding and setting up for operation within a maximum of 20 seconds without the use of hand tools or more than one person to perform the setup operation. The detector shall weigh no more than 2.5 kilograms. The telescoping arm shall withstand a 2 meter drop without damage resulting in loss of function. The detector shall operate from batteries that are standard and readily available to user units. The units shall be water resistant and remain fully functional after having been immersed at depths of two meters. The acoustic signal shall be modulated to indicate the relative size and center of a mass detected. The unit shall readily adapt to soil conditions that include high mineral and metal oxide content without the requirement to recalibrate as soil conditions change. The unit shall operate successfully in all environmental conditions and shall not alter its sensitivity or detection capability due to changes in temperature, humidity, wet or dry conditions or air pressure. The unit shall operate successfully to detect targets placed within the range of environmental interferences from portable transceivers, power lines and portable generator sets. The unit shall operate successfully when used in the same location with other detecting units that are as close as 1 meter. The unit shall be operable with the detection head retracted as well as extended. The unit shall include built in self diagnostics to include a battery status indicator. Calibration of the unit shall require not more than one minute. When the unit fails to properly self calibrate the unit shall report the condition to the user. The metal detector shall operate in an Electronic Countermeasure (ECM) environment.

C.3.3.197 Small hook and line kit. Small MOLLE Custom Textile Container shall be mountable to current Army Body Armor or tactical vest. The kit shall contain one each of the following items (See Attachment 0003 for picture):

- XXS Nylon Stuff Sack with 200ft of Dyneema Line with 25ft increment marks;
- Two Hooks centered on a heavy duty hinge allowing the hooks to collapse onto each other and an eyelet on the non-hook end allowing attachment of a pull line;
- Tactical cutting hook knife with pull ring;
- Micro Vise Grips with eyelet for attachment of pull line;
- Clear path stakes; and
- Carabineer with built-in pulley.

C.3.3.198 Ceramic knife. The knife shall have a Zirconia Ceramic (ZrO2) material blade and non-metallic handle with plastic blade protective sheath.

C.3.3.199 EOD backpack. London Bridge Trading Company brand-name, part number LBT-2418A, CAGE 0EYB3 (See Attachment 0003 for picture).

C.3.3.200 Flash light. The flashlight shall be a dual-output design utilizing a Light Emitting Diode (LED) as a light source. Light emitted from the LED shall be reflected from the LED housing by means of an internal reflecting mirror that collects and projects 99% or more of the emitted light out through the front lens. The LED shall emit two levels of light, selectable by a pushbutton on/off/selector switch that allows for one handed operation of the flashlight. The high output range of the flashlight shall provide not less than 60 lumens of light with a runtime period of not less than 6 hours before the output drops below 50 lumens. The low output range shall provide not less than 3 lumens for runtime period of not less than 100 hours. The flashlight shall be no longer than 5.5 inches and no larger in diameter than 1.1 inches. The flashlight shall weigh no more than 3.8 ounces with its batteries installed. The internal parts of the flashlight shall be protected from weather and water by sealed entries. The flashlight shall be powered by 2 each type 123A lithium ion batteries.

C.3.3.201 Mirror, with telescoping handle. An inspection mirror with 1-inch x 2-inches oval dimensions and with an extension handle that collapses to an overall length of 8 inches or smaller and extends to an overall length of 24 inches or greater shall be provided. The adjustable mirror head shall have full 360 degree range of motion in all directions to allow access to hard-to-reach places. The mirror shall include a textured cushioned grip on the handle.

C.3.3.202 Digital camera. The camera shall have a 10.1 megapixel CMOS Sensor, a 2.5-inch LCD monitor, and Live View Function. The camera shall contain an 18-55mm lens, video cable, USB interface cable, battery pack, and battery charger, a protective carrying case, a strap, and a lens cap or an automatic retracting lens.

C.3.3.203 Memory card. One each, 8GB (gigabyte) Secure Digital (SD) memory card shall be provided to be used with above camera.

C.3.3.204 Aluminum pipe wrench. The pipe wrench shall have a straight handle with a 1-1/2 inch jaw capacity and 10 inch overall length. Handle shall be aluminum material (non-magnetic). Jaw inserts shall be forged steel material. The wrench shall meet or exceed the requirements of Federal Specification GGG-W-65I E, Type II, Class C.

C.3.3.205 Helmet Light. The helmet light shall be a compact, multiple-output helmet light utilizing white LEDs, two red LEDs, and one blinking infrared LED that serves as a personal Identify Friend or Foe (IFF) beacon. The Helmet Light shall include a durable,

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watertight polymer body colored tan. The helmet light shall attach via a mount that clamps to the rim of any Modular Integrated Communications Helmet (MICH). Once the mount is attached, the light shall be easily slid onto the mount, where it shall lock in place. The light shall be easily removed from the mount. The light shall be delivered with a carry clip that shall allow the light to be attached to any MOLLE or ALICE vest. The light shall be housed in a damage resistant water tight body. The light shall be controlled by two toggle switches and a pressure switch. The light shall be powered by a single 123A battery that is easily removed for servicing, replacement or transfer to other helmets. The total weight with battery and mount shall not exceed 3.2 oz. The light system shall provide the following performance characteristics in terms of output and runtime:

White High: 19.2 lumens/6 hrs
Red High: 2.5 lumens/20 hrs
White Med: 5.0 lumens/28 hrs
Red Med: 0.8 lumens/48 hrs
White Low: 1.4 lumens/48hrs
Red Low: 0.3 lumens/96 hrs
Tertiary IFF beacon: 1.72 mW/120 hrs

C.3.3.206 LED lantern. The lantern shall have multiple output settings with a burn time of not less than 4.75 hrs at 300 lumens and not less than 1.75 hrs at 710 lumens. The lantern shall illuminate areas up to 450 yards away (411.5 meters), and shall provide a 120° rotating head. The lantern shall have a battery status indicator and include 12V and 120V charging capability. The lantern shall weigh not more than 3.5 pounds, shall not exceed an overall length of 9 inches and shall be black or dark green in color.

C.3.3.207 Tweezers, industrial. The tweezers shall be 5.5 inches long (nominal) made of stainless steel, be coated for non-conductivity and non-sparking characteristics. The tips shall be non-magnetic, non-conductive, and heat/chemical resistant.

C.3.3.208 Hemostat, locking straight. The hemostat shall be 6 -1/4 inch long, straight configuration, made of titanium, shall be non-conductive, non-sparking, and powder coated. The coating shall cover the clamp and handle portion of the hemostat.

C.3.3.209 Hemostat, locking curved. The hemostat shall be 6 -1/4 inch long, curved configuration, made of titanium, shall be non-conductive, non-sparking, and powder coated. The coating shall cover the clamp and handle portion of the hemostat.

C.3.3.210 Bucket, collapsible. The bucket shall have not less than a 5 quart capacity, shall be a maximum height of 9.25 inches (23.5 cm) at full extension and shall fold to storage configuration of not more than 2 inches. The bucket diameter shall not exceed 11-1/4 inches. The bucket design shall feature a rigid rim with a steel handle and solid bottom. The bucket shall be watertight.

C.3.3.211 Puck style light. The puck style light shall be 4.25 inches (12cm) diameter x 1.25 inches (3.5cm) tall, and shall weight not more than 7 oz. (200g) with battery installed. The lights shall operate at all temperatures in the range between -40 F and +212F. The light element shall be a light emitting diode that shall be visible at night at a distance of 900 meters across open water or a flat unobstructed field, and up to 10 miles through open clear air as viewed from a mountain side. The light shall be clearly discernable in daylight conditions at distances up to 300 meters. The case of the light shall be sealed against weather conditions, rain, wind, and submersion in water at depths up to 80 feet. The light shall be powered by lithium battery(s). A fully charged battery shall provide 8 hours of continuous on time during which the visibility conditions given above shall be met.

C.3.3.212 Probe, mine, titanium. A non-magnetic mine probe equal to the brand and part number given here shall be provided. The salient characteristics of the brand name item to be met are:

- 5 pieces
- 28.5 inches long (assembled and extended)
- .25 inches diameter
- made of non-magnetic titanium

Brand Name: Mission Knives

Model number: TA-1 (5 piece) Knurled

<http://www.osograndeknives.com/Mission/mission-ta-1-piece-titanium-mine-probe-set.htm>

C.4 VERIFICATIONS

The tools offered shall be demonstrated in such a manner to verify that they meet all of the contract requirements.

C.4.1 Responsibility for verification (CDRL A001). The contractor is responsible for the pre-production verification of all requirements set forth in this specification. The contractor shall demonstrate to the Government, in front of appointed witnesses, that the product offered for acceptance meets all of the specified requirements. Before pre-production verification approval, the acquisition of material or components for, or the commencement of production of, the balance of the contract quantity is at the sole risk of the Contractor. Before product verification approval, the costs thereof shall not be allocable to this contract for termination settlements if the contract is terminated for the convenience of the Government. The contractor may also be required to perform verifications during production when requested by the Procuring Contracting Officer (PCO) as necessary to assure that all subsequent production items

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also meet the same requirements (See 4.6). The contractor may use his own, or any other, facilities suitable for the performance of the pre-production verification in accordance with the procedures specified herein, and subsequent production verification, unless disapproved by the Government.

C.4.2 Responsibility for compliance. All delivered items must meet all requirements of this DFP and the contract. The absence of any verification requirements shall not relieve the contractor of the responsibility of assuring that all products submitted to the Government for acceptance comply with all requirements of the contract.

C.4.3 Visual inspection procedures. Visually, dimensionally, and manually examine each item of the tool set to determine conformance with the requirements of section 3 and section 5 of this DFP. Visual examination shall include verification of completeness of manufacture and assembly, proper cleaning, and freedom from manufacturing defects. Dimensional examination includes measuring dimensions, as specified, and weighing the components. Manual examinations shall include the operation of movable parts, by hand, to assure proper functioning. Failure to pass any examination shall be construed as a failure to present a product that meets the contract requirements.

C.4.4 Performance demonstration. The contractor shall demonstrate that all the requirements of section 3 have been satisfied. Failure of a sample unit to pass any of these verification procedures shall be construed as a failure to present a product that meets the contract requirements.

C.4.5 Changes to materials, processes, or configuration. The PCO shall be informed of any changes to the materials, processes, or configuration of any characteristic of the units. The contracting officer shall determine if the reported changes to materials, processes, or configuration require any of the verifications under Section 4 to be repeated.

C.4.6 Conformance of subsequent production quantity. All products offered for acceptance throughout the life of the contract shall conform to all of the requirements of the contract. The Government reserves the right to re-verify any of the verifications and inspections set forth in this DFP at any time during the life of the contract whenever there is a lapse in production for a period in excess of one year; or whenever a change occurs in place of performance, manufacturing process, material used, specification, or source of supply and return to the contractor for replacement such product that does not conform to the specified requirements. When any of the conditions above occur, the Contractor shall notify the Contracting Officer so that a determination can be made concerning the need for additional verifications and inspections set forth in this DFP. Cost of any additional verifications and inspections shall be borne by the Contractor, unless the change was directed by the Government. Further, any production delays caused by additional verifications and inspections will not be the basis for an excusable delay as defined in FAR 52.212-4 of this contract. Such delays shall not form the basis for adjustment in contract price or delivery schedule.

C.5 NOTES

(This section contains information of a general or explanatory nature that may be helpful. There are no mandatory requirements in this section).

C.5.1 Intended use. The EOD supplemental tools are primarily intended for use by personnel engaged in the detection, identification, disarming, removal or destruction in place of unexploded ordnance and Improvised Explosive Devices.

C.5.2 Measurement system. The US Customary System of Units (US) or the International System of Units (SI) may be used in assembly of this supplemental tool kit. In this specification, all measurements, dimensions, sizes, and capacities are given in the US system. These measurements may be converted to the SI system by using the conversion factors and methods specified in IEEE/ASTM SI 10.

C.5.3 Unique Item Identifier. This is a military unique requirement. The requirements contained in this specification are in addition to the requirements of DFARS clause 252.211-7003 incorporated elsewhere in the contract. Further guidance on UIDs may be found at <http://www.acq.osd.mil/dpap/UID/>.

C.5.4 Definitions.

C.5.4.1 Acquisition instrument identification number. The Government acquiring activity's contract or purchase order number.

C.5.4.2 Weight. Weight is the strength of the force vector created when a mass is acted upon by a gravitational field.

C.5.4.3 Pound. The International Avoirdupois Pound, 0.45359237 kilograms, is the unit of mass used in the United States system of measurement. This document is written using the inch/pound system of measurement and therefore uses the pound as the unit of mass. In a field of constant gravity, weight and mass can be treated as interchangeable terms.

C.5.5 Subject terms (key word) listing.

EOD
Tools and equipment

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HISTORY OF CHANGES

INITIAL RELEASE: 8 June 2011

1. DFP 611 is based upon DFP 418 which describes the entire tool kit called Explosive Ordnance Disposal Tool Kit. The paragraph numbers used to identify tools in this DFP begin after the last paragraph number of DFP 418.

Rev A: 21 Jun 2011

2. Para 1.1, removed the following text from the paragraph: There are certain pieces of equipment that must remain the same over long periods of time and throughout all examples of the fielded kit. An EOD technician does not want to discover that the tool he just took out of a response kit case or bag does not look like nor operate like the tool he trained with or has used in the past when he is trying to disarm a detonating device by hand. Therefore, the tools described in this document will be provided exactly as requested without variation throughout the life of the contract. In this environment it is essential to keep the number of unknowns and little surprises to an absolute minimum.

3. Para 2.1, removed all text and replaced with No documents are referenced in the Description for Purchase.

4. Para 3.1, removed the following text from the paragraph: Some of the items will be furnished by the Government as Government Furnished Equipment and need to be treated accordingly while in the hands of the contractor assembling the kit. Also removed the following text: Some items are governed by special rules and laws regarding the country of origin of the item and its raw parts or materials and location of fabrication or manufacture. Also changed the last sentence in the paragraph from Such items as described above are identified in Table 1 and the special condition or requirement identified there. to Such items as described above are identified in Table 1 and the requirements therein.

5. Para 3.2, corrected spelling from Barry to Berry.

6. Para 3.3.195, removed the following text from the paragraph: This gauge will be provided as GFM to the kit assembler.

7. Para 3.3.213, removed the following text from the paragraph: This will be provided as GFM to the kit assembler.

8. Added paragraphs 3.2.5 and 3.2.6 Warranty information and placard with updated address and phone number for PM SKOT.

Rev B: 13 Jan 2012.

9. Para 3.3.194, converted trip wire detector to Sole Source requirement.

10. Para 3.3.199, converted Backpack, EOD to Sole source requirement.

11. Para 3.3.212, converted Probe, Mine, Titanium to Sole Source requirement

Rev C: 2 Feb 2012

12. Para 3.3.199, changed the part number of the back pack from 2418G to 2418A.

13. Table 1, removed the Restricted Source indicator from lines 3.3.194 and 3.3.212.

14. Para 3.3.213, removed the blasting cap crimpers from the optimization kit.

15. Para 3.1, changed quantity of tools from 27 to 26.

16. Para 3.3.204, corrected the Federal Specification callout and added the specification to paragraph 2.1.

Rev D: 29 Feb 2012

17. Table 1, changed the quantities for the lines numbered 3.3.187, 190, 197, 200, 201, 203, 205, 208, 209, 210, 211, 212.

*** END OF NARRATIVE C0001 ***

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SECTION F - DELIVERIES OR PERFORMANCE

Status	Regulatory Cite	Title	Date
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F-1 CHANGED	52.242-4022 (TACOM)	DELIVERY SCHEDULE	SEP/2008
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(a) Delivery under this contract must conform to the required schedule specified below, unless acceleration is acceptable.

(b) DEFINITIONS:

(1) DAYS means the number of days after the date of contract award when you must deliver the stated quantity (QTY) of supplies.

(2) DELIVERY is defined as follows:

FOB Origin - Contractor is required to deliver its shipment as provided in FAR 52.247-29(a)(1)-(4) by the time specified in the individual contract; or

FOB Destination - Contractor is required to deliver its shipment as provided in FAR 52.247-34(a)(1)-(2) by the time specified in the individual contract. The contractor must take into consideration the length of time necessary to deliver its shipment to the destination designated in the contract, to ensure that the item reaches its destination by the time reflected in the contract.

(c) The Government requires delivery to be made according to the following schedule:

(1) GOVERNMENT REQUIRED DELIVERY SCHEDULE WITH FIRST ARTICLE TEST (FAT)

ITEM NO.	QTY	WITHIN DAYS AFTER DATE OF CONTRACT AWARD
-1-	-2-	-3-

(2) GOVERNMENT REQUIRED DELIVERY SCHEDULE IF THERE IS NO FIRST ARTICLE TEST (FAT), OR IF FAT IS WAIVED

ITEM NO.	QTY	WITHIN DAYS AFTER DATE OF CONTRACT AWARD
0001AA		
	100	30 Sep 2013
	100	30 Oct 2013
	100	29 Nov 2013
	100	30 Dec 2013
	100	30 Jan 2014
	100	28 Feb 2014
	100	31 Mar 2014
0002AA	1	30 Aug 2013

(d) Accelerated delivery schedule is not acceptable without prior approval from the PCO.

(e) If an accelerated delivery schedule is not acceptable, the required delivery schedule above will apply. If it is acceptable, you may propose an accelerated delivery schedule at no additional cost; fill in the appropriate information here:

(1) OFFERORS PROPOSED ACCELERATED DELIVERY SCHEDULE WITH FIRST ARTICLE TEST (FAT)

ITEM NO.	QTY	WITHIN DAYS AFTER DATE OF CONTRACT AWARD
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(2) OFFERORS PROPOSED ACCELERATED DELIVERY SCHEDULE WITHOUT FIRST ARTICLE TEST (FAT), or IF FAT IS WAIVED

ITEM NO.	QTY	WITHIN DAYS AFTER DATE OF CONTRACT AWARD
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[End of Clause]

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SECTION J - LIST OF ATTACHMENTS

<u>List of</u> <u>Addenda</u>	<u>Title</u>	<u>Date</u>	<u>Number</u> <u>of Pages</u>	<u>Transmitted By</u>
Attachment 0001	COMPONENT LIST	14-FEB-2012	001	DATA