

ORDER FOR SUPPLIES OR SERVICES						PAGE 1 OF 12			
1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. USZA22-02-D-0017		2. DELIVERY ORDER/ CALL NO. 0035		3. DATE OF ORDER/CALL 2002Oct23		4. REQ/ PURCH. REQUEST NO. C4160022950100		5. PRIORITY	
6. ISSUED BY U.S. SPECIAL OPERATIONS COMMAND/SOAL-K 7701 TAMPA POINT BLVD ATTN: DOROTHY LEWIS MACDILL AFB FL 33621-5323			CODE USZA22		7. ADMINISTERED BY DCMA BALTIMORE - MANASSAS 10500 BATTLEVIEW PKWY SUITE 200 MANASSAS VA 20109-2342			CODE S2404A	
9. CONTRACTOR BTG, INC. J. DAVID CRUMMETT 3877 FAIRFAX RIDGE ROAD FAIRFAX VA 22030						CODE 4V190		FACILITY	
10. DELIVER TO FOB POINT BY (Date) SEE SCHEDULE						11. MARK IF BUSINESS IS		12. DISCOUNT TERMS	
13. MAIL INVOICES TO THE ADDRESS IN BLOCK See Item 15						<input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED			
14. SHIP TO SEE SCHEDULE			CODE		15. PAYMENT WILL BE MADE BY DFAS OM/FP PO BOX 7020 BELLEVUE NE 68005-1920			CODE 525700	
16. TYPE OF ORDER						DELIVERY/ CALL <input checked="" type="checkbox"/>		PURCHASE <input type="checkbox"/>	
This delivery order/call is issued on another Govt. agency or in accordance with and subject to terms and conditions of above numbered contract.						Reference your quote dated		Furnish the following on terms specified herein.	
ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.									
NAME OF CONTRACTOR			SIGNATURE			TYPED NAME AND TITLE			DATE SIGNED (YYYYMMDD)
<input type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies:									
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE									
See Schedule									
18. ITEM NO.		19. SCHEDULE OF SUPPLIES/ SERVICES				20. QUANTITY ORDERED/ ACCEPTED*	21. UNIT	22. UNIT PRICE	23. AMOUNT
SEE SCHEDULE									
* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle						24. UNITED STATES OF AMERICA		25. TOTAL	\$229,342.55
						BY: KARENE L. SPURLIN		29. DIFFERENCES	
26. QUANTITY IN COLUMN 20 HAS BEEN						27. SHIP NO.		28. DO VOUCHER NO.	30. INITIALS
<input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED						<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		32. PAID BY	33. AMOUNT VERIFIED CORRECT FOR
DATE _____ SIGNATURE OF AUTHORIZED GOVT. REP. _____						31. PAYMENT			34. CHECK NUMBER
36. I certify this account is correct and proper for payment.						<input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL			35. BILL OF LADING NO.
37. RECEIVED AT		38. RECEIVED BY		39. DATE RECEIVED (YYYYMMDD)		40. TOTAL CONTAINERS	41. S/R ACCOUNT NO.		42. S/R VOUCHER NO.

Item #	Labor Category	Hours	Unit Price	Extended Cost
	CLIN 0006AB - Infrastructure Support / Video			
	Senior Database Specialist			
	Senior Web Engineer		(b)(4)	
	Information Technology Writer			
	Sub-total SLIN 0006AB	(b)(4)		\$103,399.04
	CLIN 0010 - Technology Refresh			\$6,910.89
	CLIN 0011 - Travel			\$5,372.95
	Sub-total Contract Year 1			\$115,682.88
	CLIN 0206AB - Infrastructure Support / Video			
	Senior Database Specialist			
	Senior Web Engineer		(b)(4)	
	Information Technology Writer			
	Sub-total SLIN 0006AB	(b)(4)		\$108,286.72
	CLIN 0211 - Travel			\$5,372.95
	Sub-total Contract Year 1			\$113,659.67
		(b)(4)	TOTAL	\$229,342.55

ACRN: AA 9720300.56SF SD2 52S4 546000 OST060 00000 000000 525700 F25700 ESP: 7C FSR: C4160022950100
 AMOUNT: 021822 PSR: 075632 DSR: 225194
 \$229,342.55

USSOCOM TASK ORDER SUPPORT SPECIAL OPERATIONS TACTICAL VIDEO SYSTEM/ RECONNAISSANCE SURVEILLANCE AND TARGET ACQUISITION PROGRAM MULTISPECTRAL IMAGING SYSTEM TECHNOLOGY SUPPORT

1.0 Task Scope: Reference SOW, Section C, Paragraphs 3.3.1 and 3.3.3. The objective of this task is to provide planning, technical, integration and initial training support during the user evaluation, production and fielding of Special Operations Tactical Video System/Reconnaissance Surveillance and Target Acquisition (SOTVS/RSTA) equipment being procured with internal and/or supplemental Procurement funding provided to this program. SOTVS/RSTA utilizes a wide variety of Commercial and Government Off the Shelf (COTS/GOTS) imaging sensor equipment and components. The COTS/GOTS imaging sensor manufacturers are continually replacing existing equipment with new systems, which must effectively interface, with SOTVS/RSTA fielded equipment as well as with SOTVS/RSTA equipment being procured in FY03. The production and integration of these new options requires technical evaluation of the options as well as their impact on integration, training, operational assessment and fielding. The contractor shall assess, evaluate, test, and analyze these production options planned for utilization and integration into the SOTVS/RSTA systems.

2.0 Execution Plan

2.1 Management Plan. Team EITC will incorporate this task into our *Centralized Management – Distributed Execution* program management process and execution model. In accordance with this model, the point of contact is the Enterprise Director, who is also the task lead supervisor and responsible for ensuring successful execution of the Task Order requirements.

2.2 Technical Plan.

2.2.1 Task Order Technical Overview. Team EITC will fully comply with all objectives within the Government Task Order. This effort is in support of a post Milestone C evolutionary program to continue the selection and fielding of constantly evolving technologies for insertion and integration into existing SOTVS/RSTA equipment to meet the on-going requirements. The following paragraphs outline the support required for this task.

2.2.2 Support Requirements.

2.2.2.1 Sensor Technology Integration. Team EITC will provide support for evaluation of COTS and GOTS EO/IR/MMW or multispectral technologies being considered by industry for utilization in sensor systems. Team EITC will assess the feasibility of integrating EO/IR/MMW technology insertions with Production and Deployment phase intelligence programs identified by the government.

2.2.2.2 System Performance Evaluations. Team EITC will provide production evaluation support by traveling to commercial facilities and/or Government specified test sites to observe the development process and operation of EO/IR/MMW or multispectral systems or components as agreed to by the contractor and government. Team EITC will observe vendor EO/IR/MMW testing and conduct independent evaluations as required by the Government.

2.2.2.3 System Performance Analyses. Team EITC will conduct independent laboratory engineering analyses as agreed to by the contractor and government. Team EITC's analysis will include characterization and performance analysis of selected EO/IR/MMW or multispectral systems against specific government performance requirements to include analysis of component systems and functional interfaces, integration and design, as well as standards identification and compliance verification. Results will include recommendations to enhance EO/IR/MMW

or multispectral system performance capabilities in order to meet government operational requirements.

- 2.2.2.4** Team EITC will attend Program Integration Product Team (IPT) meetings, interface with working groups and participate in reviews and other Program planning meetings.

2.2.3 Personnel Requirements.

- 2.2.3.1** The technical lead on this task will have the following:

- A Masters Degree in Physics or Electrical Engineering and ten to fifteen years experience with imaging sensor system for military and commercial applications.
- Specific experience with the following:
 - High definition (XVGA, SVGA, VGA and progressive or interlaced 1280 1024, 640, 480 imaging systems.
 - High frame rate >60 fps or still imaging systems.
 - Electro-optical (wavelengths from 0.1 to 1 micron), infrared (wavelengths from 1 to 100 microns) and millimeter (wavelengths from 100 microns or 0.1 millimeter to 100 millimeters) or multispectral imaging systems.
- Proficiency in imaging system and image processing performance characterization, analysis and enhancement using the following:
 - Linear frequency domain and space-time domain systems theory.
 - Non-linear image processing and enhancement techniques.
 - Modulation Transfer Functions.
 - Minimum Resolvable or Detectable Contrast and Temperature Difference.
 - Atmospheric transmission and scattering codes.
 - Target emission and reflectance models.
- Experience with the performance characterization, analysis design, manufacture, integration and evaluation of imaging system component including at least of the following:
 - CCD, CMOS, Micro-bolometer and emerging detector or antenna technology.
 - Image intensifier and photomultiplier technology.
 - Reflective refractive and catadioptric optics.
 - CRT, LCD, TR, OLED and other emerging display technology.
- Demonstrate expertise in the test measurements and instrumentations required to characterize the following:
 - Scene, atmospheric, and target radiometry (illuminance, radiance, emission, transmission, scattering and reflectance).
 - System and component (optics, detector, electronics, computer, transmitter, receiver, digital signal processing and display) performance.

- 2.2.3.2** Team EITC has:

- Program experience demonstrating competence in sensor and signature modeling, threat characterization, data collection, and threat system modeling in support of intelligence agencies including the Defense Intelligence Agency (DIA), Office of Naval Intelligence (ONI) and National Air Intelligence Center (NAIC).
- A significant investment in specialized (secure) facilities, equipment, software tools, and experience in the areas of imaging sensor systems.
- A rapid prototyping capability for electronics, metals, and plastics for the development of specialized test equipment and instrumentation for DoD and commercial applications.
- Significant experience in EO/IR/MMW and multispectral sensor analysis and test support to the Air Force, DARPA, Army and Navy in addition to the Special Operations Command.
- Introduced numerous sensor technologies from the service laboratories for special operations spectral and multispectral applications.
- Involvement in testing sensor technologies for SOF applications and have personnel with the appropriate clearances that are available to travel for surge requirements.
- Demonstrated the capability of developing and testing prototype EO/IR/MMW intelligence collection systems.
- Significant experience with test instrumentation for EO/IR/MMW and multispectral sensor lab and field evaluation.
- Implemented ISO 9001 and SEI level 2/3 processes on its analysis and digital processing software

3.0 Task Order Performance Information:

3.1 Period of Performance. The contract period of performance for this task order is one (1) year from date of award.

3.2 Place of Performance. This task order will be performed at the (b)(2)High and contractor facilities (b)(2)High

3.3 Hours of Work. Normal working hours will be day shift, 0730 to 1630 Monday through Friday. There will be periods during which Team EITC will be required to work weekends, extended hours, and be on call for mission critical support. If these extended hours become consistent or excessive, Team EITC would expect USSOCOM to provide additional support as Surge Capability or Contingency Operations task orders.

3.4 Key Personnel. Personnel assigned full-time to this Task Order will be key personnel with resumes provided in accordance with the basic contract.

4.0 Security Clearance Requirements. Full-time personnel proposed working in Government facilities will possess (b)(2)High (b)(2)High

(b)(2)High

5.0 Travel. Travel costs are reimbursable, reference CLIN 0011 and are provided in the table below. The travel anticipated in order to accomplish the requirements of this task is 5 trips per year to Vendor and Government facilities in (b)(2)High (b)(2)High and other areas to perform various portions of this task. Team EITC personnel may be required to travel overseas for crisis and contingency support.

6.0 Materials. The Government will provide office space for (b)(4) office supplies, computer equipment, telephone, and reproduction facilities as required. Team EITC will provide the materials required for the off-site facilities in support of this task.

7.0 Instructions and Documentation:

- 7.1 Storage.** The government will provide necessary facilities for storage.
- 7.2 Hardware, Software, Tools, Supplies, and Necessary Test Equipment.** The Government will provide hardware, software, tools, supplies and necessary test equipment to meet Team EITC bill of materials developed during task order execution.
- 7.3 Task Order Documentation.** Documentation provided as a result of this Task Order will be considered sensitive and not subject to public disclosure.

8.0 Contract Data Requirements List (CDRL):

- 8.1** Team EITC will include a task order status report as part of the EITC Monthly Status Report as required by the basic contract.
- 8.2** Team EITC will provide Trip Reports and Technical Reports as required.