

TECHNICAL INSTRUCTION (NAVSEA TEMPLATE)

Ref: (a) NAVSEA 5252.242-9115 (TECHNICAL INSTRUCTIONS)

Enclosure (if applicable): []

This Technical Instruction (TI) is issued pursuant to reference (a) from my capacity as the Contracting Officer's Representative (COR) for the contract/order identified below. This TI is issued with the understanding that implementation is within the present scope of the contract/order and that it does not change the statement of work or other terms and conditions. Nothing herein should be construed as amending the subject contract/order or as changing any contractual requirements. If the contractor believes that compliance with anything herein would constitute a change in the requirements of the subject contract/order, the contractor should not accept the TI and notify the Procuring Contracting Officer (PCO), in writing, within ten (10) working days, specify the reason(s) for such belief, and take no further action. A copy should also be sent to the COR.

Note: The contractor shall inform the COR, in writing, when 75% of the costs allotted to this TI have been expended. Expenditures for this TI shall not exceed the allotted amount. This TI is contingent upon the availability of funds and performance shall not commence until funding has been obligated on the contract/order.

TI No./Revision No.	TI- 1 , Rev. 0			
TI Revision Issue Date (if applicable)				
Original TI Issue Date	22 Feb 2013			
Purpose of Revision (if applicable)				
Contract/Task Order No.	N00178-07-D-4963-0002			
Government Agency/Activity	NSWCDD			
Sponsoring Office	Organization		Code	
	Directed Energy Division		Q20	
Program/Technical Office	Name	Code	Telephone	Email Address
	[REDACTED]			
Contracting Officer's Representative (COR)	Name	Code	Telephone	Email Address
	[REDACTED]			
Procuring Contracting Officer (PCO)	Name	Code	Telephone	Email Address
	[REDACTED]			
Contractor	ATI			
Contractor POC	Name	Code	Telephone	Email Address
	Bill Taczak		540-663-0050	btaczak@appliedti.com
Severability	Severable <input checked="" type="checkbox"/> Non-Severable <input type="checkbox"/>			
Special Skills Required	Software engineering			
Applicable SOW/PBWS Paragraph Number(s)	C.2.5.1, C.2.5.2, C.2.5.3, C.2.5.5, C.2.5.6, C.2.5.7			
TI Title	Hybrid Predictive Avoidance and Safety System (HPASS) Development Effort)			
TI Description	Leverage FY12 efforts and data collection on the Navy's Laser Weapon System (LaWS) Testbed to continue development of a Hybrid Predictive Avoidance and Safety System (HPASS). The intent is to develop a government-owned / government-controlled design for a "black box" predictive avoidance subsystem which will be provided as required Government Furnished Equipment (GFE) to			

TI No./Revision No.	TI-01, Rev. 00
---------------------	----------------

the SSL TM system developers. The FY13 efforts will focus on developing and integrating a prototype configuration and validation of software components including any additional components that must be developed as a result of the analysis of data collected as part of the FY12 efforts. Specific tasks are:

1. Develop SW Prototype – Use Enhanced Predictive Avoidance Safety System (EPASS) hardware (HW) with updated real-time software (SW) architecture, new user interface, and validation against Serco Code
2. Develop HW Prototype – Develop HPASS HW configuration including simulated HW where required to conduct performance, CONOPS, and failure testing
3. Validate Integrated System – Validation of HPASS HW and SW including integration to LaWS testbed, conduct of V&V, and documentation
4. HPASS Configuration – Finalize HW/SW and documentation to support required reviews and certifications: Laser Clearing House (LCH), Software System Safety Technical Review Panel (SSSTRP), Weapon System Explosives Safety Review Board (WSESRB), and Laser Safety Review Board (LSRB)
5. Certification – completion of all certification and all documentation and training material completed and suitable for integration into prototype systems

Applicable Documents If none, insert N/A	HPASS Interface Control Document (ICD)																									
Government Furnished Information (GFI), Government Furnished Equipment (GFE), Government Furnished Material (GFM); Government Furnished Facilities (GFF) If none, insert N/A	GFI: NA GFE: NA GFM: NA GFF: NA Other: NA																									
Duty Location	N/A																									
Temporary Duty/ Travel Requirements If none, insert N/A	<p>Travel Authorization (TA) requests shall be submitted to and/or authorized by the Contracting Officer's Representative (COR).</p> <p>CONUS</p> <table border="1"> <thead> <tr> <th>Trips</th> <th>People</th> <th>Duration</th> <th>From</th> <th>Destination</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Trips	People	Duration	From	Destination																				
Trips	People	Duration	From	Destination																						

TI No./Revision No.	TI-01, Rev. 00
---------------------	----------------

	OCONUS				
	Trips	People	Duration	From	Destination
	N/A				

Funding Information (e.g., CLIN, SLIN, ACRN)	LABOR				
	Funding Identifier	Project/Program Name	Appropriation FY	Appropriation Type	Funded Amount
	4000	SSL TM	FY 11	RDT&E	
	ODC				
	Funding Identifier	Project/Program Name	Appropriation FY	Appropriation Type	Funded Amount
	6000	SSL TM	FY 11	RDT&E	

Period of Performance	FROM	TO
	11/15/12	11/14/13

Deliverable(s)	Deliverable Identifier	Description	Medium	Frequency	Due Date
	A001, A002, A003, A004, A005, A006, A007	A001: Contractor's Progress, Status and Management Report;	e-mail		
		A002: Presentation Material for Quarterly IPRs with SSL TM program's ONR sponsor;			
		A003: HPASS SW Prototype;			
		A004: HPASS HW Prototype;			
		A005: Final Integrated HPASS SW/HW Configuration;			
		A006: Computer Software Product End Items;			
	A007: Engineering Drawings: electrical and mechanical drawings for build, reproducibility, and documentation.				

Security Classification	Unclassified to Classified Secret
--------------------------------	-----------------------------------

Hazard and Safety Information (The checked (X) Hazard and Safety Instructions are applicable to this TI)	<input type="checkbox"/> Known Hazards: (NA) <input type="checkbox"/> No Hazard or Safety Information applicable <input checked="" type="checkbox"/> Other (Specify: Training as required for all employees working on this TI: Laser Safety Training.) <input type="checkbox"/> Other (Specify: _____) <input type="checkbox"/> Other (Specify: _____)
--	--

TI No./Revision No.	TI-01, Rev. 00
---------------------	----------------

--	--

TI ROM Cost Estimate:	Total Hours	ODCs	Travel	Total Estimate

This TI shall not be construed as a change to the terms or conditions of the subject contract/order.

PCO concurrence:

Rolanda H. Wallace-Taylor
 (Signature)
 Contracting Officer

Rolanda Wallace-Taylor
 (print name)

2/25/13
 (date)

Mila Marchosky
 (Signature)
 Contracting Officer's Representative

Mila Marchosky
 (print name)

2/25/13
 (date)

Acknowledgement of receipt by Contractor:

[Redacted Signature]
 (Signature)
 Authorized Representative of Contractor

WILLIAM J. TACZAK JR.
 (print name)

25 FEB 13
 (date)

NOTE - ALL TECHNICAL INSTRUCTIONS MUST BE CONCURRED WITH BY THE PCO PRIOR TO RELEASE.

Copy to: