

TECHNICAL INSTRUCTION (NAVSEA TEMPLATE)

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

Enclosure (if applicable): [1]

This Technical Instruction (TI) is issued pursuant to reference (a). The TI will be effective upon incorporation into a modification. This TI is within the present scope of the contract/order and 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 #26			
TI Revision Issue Date (if applicable)				
Original TI Issue Date	1 September 2014			
Purpose of Revision (if applicable)				
Contract/Task Order No.	N00178-07-D-4963-0002			
Government Agency/Activity	NSWC Dahlgren Division			
Sponsoring Office	Organization	Code		
	Directed Energy Division	Q20		
Program/Technical Office	Name	Code	Telephone	Email Address
	Stuart Shoppell	Q21	540-653-2748	Stuart.Shoppell@navy.mil
Contracting Officer's Representative (COR)	Name	Code	Telephone	Email Address
	Arline Parker	Q20	540-284-0374	Arline.Parker@navy.mil
Procuring Contracting Officer (PCO)	Name	Code	Telephone	Email Address
	Dana Phillips	CS40	540-653-8871	Dana.phillips@navy.mil
Contractor	Applied Technology, Inc.			
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, Controls Engineering, Optical and Sensor Systems Design			
Applicable SOW/PBWS Paragraph Number(s)	C.2.2.1, C.2.2.2, C.2.2.3, C.2.4.1, C.2.5.1, C.2.5.2, C.2.5.3, C.2.5.5, C.2.5.6, C.2.5.7, C.2.6.1, C.2.6.2, C.2.6.3			
TI Title	TM			
TI Description	<p>TI #26 Title: SSL-TM Program and System Development Engineering Support</p> <p>TI Description: Provide programmatic and engineering design, software and hardware developments, testing and support for the Solid State Laser Technology Maturation (SSL-TM) Program.</p> <p>For this effort, the contractor will provide program and financial analysis, documentation, and management support. These efforts will include the generation of Work Breakdown Structures (WBS), program plans and schedules, statements of work, and additional program documents, as required.</p>			

The contractor will also provide various staffing as required to support the technical requirements of each program. The staffing will be supplied by the contractor as technical requirements are identified and funding is authorized.

TI Subtask Descriptions

Solid State Laser-Technology Maturation (SSL-TM) Program: The contractor will provide system engineering, technical, and programmatic support for the design and development of an operational laser weapon system suitable for the at-sea environment aboard a US Naval combatant. Specific functional task areas that shall be addressed are:

- (1) **Programmatic:** The contractor will support technical and programmatic meetings, conferences, and workshops. The preparation and distribution of briefing materials will be required. The contractor will be required to support telephone and video conferencing and to prepare meeting minutes, tracking of action items as required. The contractor shall also develop, assess, and/or develop reports associated with schedules and budgets for both government and prime contractors' efforts.
- (2) **System Engineering:** The contractor will support system engineering efforts (including Model-based Systems Engineering) associated with HW/SW development including developing and/or refining requirements, detailed specifications, interfaces (including human-machine interfaces), development and integration activities, documentation, schedule developments, risk mitigation plans and actions, and technical trade studies.
- (3) **System Development, Integration and Test:** The contractor shall develop, modify, and/or integrate sensor and other contractor-procured and/or GFE systems, subsystems, and software to support system development and risk reduction efforts. The contractor shall also participate in laboratory, field, and operational tests as required to validate performance.

Applicable Documents
If none, insert N/A

N/A

Government Furnished Information (GFI), Government Furnished Equipment (GFE), Government Furnished Material (GFM); Government Furnished Facilities (GFF)

GFI: **Information on the current LaWS testbed operation**

GFE: **Existing and being developed LaWS system and related components, HW and SW**

GFM: **N/A**

GFF: **HEL Development area, High bay facilities at Bldg 213, NSWCDD Dahlgren VA**

Other: **N/A**

If none, insert N/A

Duty Location

N/A

Temporary Duty/ Travel Requirements

Travel Authorization (TA) requests shall be submitted to and/or authorized by the Contracting Officer's Representative (COR).

CONUS

Trips	People	Duration	From	Destination

If none, insert N/A

OCONUS

Trips	People	Duration	From	Destination

Funding Information
(e.g., CLIN, SLIN, ACRN)

SEE SECTION G FOR FUNDING INFORMATION

LABOR

Funding Identifier	Project/Program Name	Appropriation FY	Appropriation Type	Funded Amount
Option 2	SSL- TM	FY14 / FY 15	RDT&E	See Section

	Labor				G
	ODC				
	Funding Identifier	Project/Program Name	Appropriation FY	Appropriation Type	
	Option 2 ODC	SSL-TM	FY14/ 15	RDT&E	See Section G
Period of Performance	FROM		TO		
	9/1/2014		8/31/2015		
Deliverable(s)	Deliverable Identifier	Description	Medium	Frequency	Due Date
	A001	Contractor's Progress, Status and Management Report	e-mail	Monthly	TBD
	A002	Presentation Material (sponsor format) - Quarterly IPRs with ONR sponsor, technical, financial and programmatic reviews	Email	Quarterly and as Required	TBD
	A003	Revisions to Existing Government Documents - Reviews, edits, and updates of existing and developed QRC documents including project technical, programmatic, and financial plans	Email	As Required	TBD
	A004	Technical Report – Contractor generated reports on studies, assessments, and testing	Email	As Required	TBD
	A007	Engineering Drawings - electrical and mechanical drawings for build, reproducibility, and documentation.	Email	As Required	TBD
Security Classification	Unclassified to Classified Secret				
Hazard and Safety Information <i>(The checked (X) Hazard and Safety Instructions are applicable to this TI)</i>	<input type="checkbox"/> Known Hazards: (List known hazards here) <input type="checkbox"/> No Hazard or Safety Information applicable <input checked="" type="checkbox"/> Other (Specify: <u>Training as required for all employees working on this TI: Laser Safety Training</u>) <input type="checkbox"/> Other (Specify: _____) <input type="checkbox"/> Other (Specify: _____)				
TI ROM Cost Estimate:	Total Labor	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:

 (Signature)
 Contracting Officer

Dana Phillips
 (print name)

 (date)

PARKER.ARLINE.W.1241946572

Digitally signed by PARKER.ARLINE.W.1241946572
 DN: c=US, o=U.S. Government, ou=DoD, ou=PKI, ou=USN,
 cn=PARKER.ARLINE.W.1241946572
 Date: 2014.08.26 10:28:11 -04'00'

 (Signature)

Arline W. Parker
 (print name)

 (date)

Contracting Officer's Representative

Acknowledgement of receipt by Contractor:

William J. Taczak Jr
(Signature)
Authorized Representative of Contractor

WILLIAM J. TACZAK JR
(print name)

27 AUG 14
(date)

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