

**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-23 , Rev. 01			
TI Revision Issue Date (if applicable)	1 September 2014			
Original TI Issue Date	1 September 2014 – 31 August 2015			
Purpose of Revision (if applicable)				
Contract/Task Order No.	N00178-07-D-4963-0002			
Government Agency/Activity	NSWCDD			
Sponsoring Office	<b>Organization</b>		<b>Code</b>	
	Directed Energy Division		Q20	
Program/Technical Office	<b>Name</b>	<b>Code</b>	<b>Telephone</b>	<b>Email Address</b>
	Dale Geiger	W51	540-653-6781	Dale.Geiger@navy.mil
Contracting Officer's Representative (COR)	<b>Name</b>	<b>Code</b>	<b>Telephone</b>	<b>Email Address</b>
	Arline Parker	Q20	540-284-0374	arline.parker@navy.mil
Procuring Contracting Officer (PCO)	<b>Name</b>	<b>Code</b>	<b>Telephone</b>	<b>Email Address</b>
	Dana Phillips	CS40	540-653-8871	Dana.phillips@navy.mil
Contractor	ATI			
Contractor POC	<b>Name</b>	<b>Code</b>	<b>Telephone</b>	<b>Email Address</b>
	Bill Taczak		540-663-0050	btaczak@appliedti.com
Severability	Severable <input checked="" type="checkbox"/> Non-Severable <input type="checkbox"/>			
Special Skills Required	Program Support; Engineering experience in Optical and HEL systems;			
Applicable SOW/PBWS Paragraph Number(s)	C.2.1.1, C.2.1.2, C.2.2.1, C.2.2.2, C.2.2.3, C.2.5.1, C.2.5.2, C.2.5.5, C.2.5.7, C.2.6.2, C.2.7.1, C.2.7.2, C.2.7.3, C.2.7.4			
TI Title	Ground Based Air Defense (GBAD) Development Support)			
TI Description	The Directed Energy Warfare Office (DEWO) and Code Q21 are involved in the development of High Energy Laser (HEL) weapon systems for USMC applications. The intent of this efforts is to develop government-owned / government-controlled design(s) as part of the development of demonstrators, and for future refinement as part of formal acquisition processes.			

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	<p>Support is required to assist the government in establishing the design and the development of one or more demonstrators as part of the GBAD Directed Energy (DE) On The Move (OTM) Future Naval capability (FNC). Specific tasks are:</p> <ol style="list-style-type: none"> <li>1) Programmatic Support: <ul style="list-style-type: none"> <li>• Developing, editing, reviewing, and providing inputs to technical and planning documents, reports, briefings, and other documents of interest. These documents include, but are not limited to: requirements documents and specifications, management plans, test and evaluation strategies and plans, reports, research results, or other documentation as specified by Project Lead</li> <li>• Providing financial management support including but not limited to: collecting, analyzing, documenting in reports and presentation material related to program financial: execution, health, statistics, and future planning</li> <li>• Provide administrative support including but not limited to: planning, coordinating, documenting and reporting on programmatic and/or technical planning meetings and reviews</li> <li>• Support development, submission, and tracking of procurement documents for subsystems and components</li> </ul> </li> <li>2) System Engineering Support: <ul style="list-style-type: none"> <li>• Support the production of systems engineering and related documentation including plans, reports, and presentations</li> <li>• Through development, review and/or editing, assist in the refinement and documentation of system requirements and system design, to include model-based systems engineering</li> <li>• Provide requirement, design, and documentation configuration management support during design and construction of the demonstrator</li> <li>• Develop and maintain Interface Control Documents (ICD) for the demonstrator</li> <li>• Assist in maintaining the Integrated Master Schedule (IMS)</li> </ul> </li> <li>3) Subsystem Development and Integration Support: <ul style="list-style-type: none"> <li>• Provide design, development, and integration support to the technical teams including the development, fabrication, integration, and testing of subsystems and components within the Laser Weapon Segment, Command and Control Segment, and Volume Surveillance (Radar) Segment the focus of these effort being on optical (HEL and imagery) components and mechanical and electrical components related to the power and cooling subsystems</li> <li>• Support prototype development, data collection, and data analysis in support of design refinement; focus of these efforts are to validate performance of subsystems and components in USMC representative environments</li> </ul> </li> </ol>
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<b>Applicable Documents</b> If none, insert N/A	GBAD FNC Level C Technology Transition Agreement, GBAD Program Management Plan, GBAD System Engineering Management Plan, GBAD Configuration Management Plan, )
<b>Government Furnished Information (GFI), Government Furnished Equipment (GFE), Government Furnished Material (GFM); Government Furnished Facilities (GFF)</b>	GFI: NA GFE: NA GFM: NA GFF: NA Other: NA
If none, insert N/A	

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Duty Location	N/A																																																		
Temporary Duty/ Travel Requirements  If none, insert N/A	Travel Authorization (TA) requests shall be submitted to and/or authorized by the Contracting Officer's Representative (COR).  <b>CONUS</b> <table border="1" data-bbox="456 363 1419 558"> <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> <b>OCONUS</b> <table border="1" data-bbox="456 615 1419 772"> <thead> <tr> <th>Trips</th> <th>People</th> <th>Duration</th> <th>From</th> <th>Destination</th> </tr> </thead> <tbody> <tr> <td>N/A</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	N/A																			
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Security Classification	Unclassified // For Official Use Only to Secret																																																		

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<b>Hazard and Safety Information</b> <i>(The checked (X) Hazard and Safety Instructions are applicable to this TI)</i>	<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 select employees working on this TI: Laser Safety Training.) <input type="checkbox"/> Other (Specify: _____) <input type="checkbox"/> Other (Specify: _____)
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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:**

\_\_\_\_\_  
 (Signature)  
 Contracting Officer

\_\_\_\_\_  
 (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 10:15:43 -04'00'

Arline W. Parker

\_\_\_\_\_  
 (Signature)  
 Contracting Officer's Representative

\_\_\_\_\_  
 (print name) \_\_\_\_\_ (date)

**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.**

Copy to: