

TECHNICAL INSTRUCTION (NAVSEA TEMPLATE)

TECHNICAL INSTRUCTION (NAVSEA TEMPLATE)

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

Enclosure (if applicable): [N/A]

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-18, Rev. 2			
TI Revision Issue Date (if applicable)	20 Feb 2013			
Original TI Issue Date	1 Sep 2012			
Purpose of Revision (if applicable)	Change PoP End Date to 31 Aug 2013			
Contract/Task Order No.	N00178-05-D-4654-0002			
Government Agency/Activity	CDSA, Dam Neck			
Sponsoring Office	Organization	Code		
	NCWDG	N8		
Program/Technical Office	Name	Code	Telephone	Email Address
	Kenneth Schmitt	F12	757-492-6320	Kenneth.schmitt@navy.mil
Contracting Officer's Representative (COR)	Name	Code	Telephone	Email Address
	Ernest F Kerekes	F123	757-492-7331	Ernest.kerekes@navy.mil
Procuring Contracting Officer (PCO)	Name	Code	Telephone	Email Address
	Charles Thompson	CXS11	540-653-7094	Charles.e.thompson@navy.mil
Contractor	WR Systems			
Contractor POC	Name	Code	Telephone	Email Address
	Audree Hughes		757-858-9850 X 265	ahughes@wrsystems.com
Severability	Severable X Non-Severable			
Special Skills Required	None			
Applicable SOW/PBWS Paragraph Number(s)	C.3.1 through C.3.7			
TI Title	Digital Recorder EDM Development Engineering and Technical Support			
TI Description	<p>1. <u>Task Description</u></p> <p>The following tasks are in support of the development, delivery, engineering support, material purchase, installation, testing, and travel associated with the development of The Common Mobility System (CMS) Engineering Development Models (EDMs) and SIGINT Systems Engineering Development Models (EDMs). Tasking shall include hardware definition, software</p>			

development, documentation, logistical support, engineering support and test and delivery of the CMS system and SIGINT systems and program management assistance in logistics, acquisition and engineering planning. Tasking shall be performed at WR Systems Contracting Facility and at Combat Direction Systems Activity, Dam Neck.

The Contractor shall provide related technical support, attend meetings, and provide input to system development, as required by the TM in support of CMS. The above Contractor support is identified in paragraphs C.3.1 through C.3.7 of the basic order.

Task A: The Contractor shall perform the following:

- Provide electrical engineering support to include design, integration, and testing of custom designed electronic circuits for the RF Digital Recorder (Eagle Recorder replacement) components as required. Provide engineering support for updating and creating micro-controller code for custom circuit boards. Provide Research, Development, Testing and Evaluation (RDT&E) of equipment and components of the systems designated for use within the SIGINT systems program. Provide Logistical support for purchasing, shipping and inventorying equipment and/or materials in support of the SIGINT systems program.
- Provide Technical Writing support for any item under development and corrections to any currently used documentation, procedures or manuals.
- Provide software development and integration support.
- Provide programmatic support for task related technical reports, financial reports and Enterprise Resource Planning transition.

In addition, The Contractor shall Provide Acquisition support to purchase the items in Table A below to support micro controller developments, circuit card assemblies developments and custom circuit board developments supporting EDM developments as identified in Task A above.

Table A

Item	QTY	Part #	Description	Unit Price Estimated	Extended
1	1		Implement single channel 500 MHz bandwidth DDC on X6-GSPS.	138,636.00	138,636.00
2	2	80264-4-L1	Innovative Integration X6-GSPS with SX475T2 FPGA (8 lane PCIe), ACcoupled	21,990.00	43,980.00
3	1		TTE Bandpass Filter	720.00	720.00
4	1	90036-8	Andale recorder	39,438.00	39,438.00
5	1		Innovative Integration – Implement 0Mhz and spur fixes	54,000.00	54,000.00
6	10	Custom	VERITAS Millings - 19" Rack - NB/WB Housing - Transport Drive Assembly - Raid Card Adaptive Heat Sink Milling	10,000.00	100,000.00
7	5	Custom	IFC Milling	1,000.00	5,000.00

8	10	Custom	Heat Pipes	350	3,500.00
9	10		VERITAS Boot Drives - Kingston Solid State Drives	200.00	2,000.00
10	40		VERITAS RAID Drives - Samsung 512 GB Solid State Drive	600.00	24,000.00
115	15 15 30	38014-0000-21-4 38013-0000-99-1 97016-4096-13-0	Kontron COMExpress modules - COME-BSC6 I7-2715QE ECC - HSP COME-BSC/IP THROUGH - DDR3-1333 SODIMM 4GB ECC	2,000	30,000.00
12	10	WS2002FAEX	VERITAS Transport Drives - WD 2TB Caviar Black Hard Drives	200.00	2,000.00
13	Multiple	Custom	Cables and Connectors		100,000.00
14	1		Miscellaneous electronic components, material and PCBs		79,500.00

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: Preliminary Drawing Package and initial parts for the Digital Recorder EDM GFE: N/A GFM: N/A GFF: N/A Other: N/A				
If none, insert N/A					
Duty Location	Contractor's Facilities, CDSA Dam Neck, Other Navy Facilities/Agencies/Contractor facilities per TYD required to execute tasking				
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).				
	CONUS				
	Trips	People	Duration	From	Destination
	5	1	3	Norfolk VA	Washington, DC
	OCONUS				
	Trips	People	Duration	From	Destination
				N/A	

TI No./Revision No.	TI-18, Rev. 2
---------------------	---------------

Funding Information (e.g., CLIN, SLIN, ACRN)	LABOR				
	Funding Identifier	Project/Program Name	Appropriation FY	Appropriation Type	Funded Amount
		Digital Recorder EDM			
	ODC				
	Funding Identifier	Project/Program Name	Appropriation FY	Appropriation Type	Funded Amount
	Digital Recorder EDM				
Period of Performance	FROM		TO		
	1 Sep 2012		31 Aug 2013		
Deliverable(s)	Deliverable Identifier	Description	Medium	Frequency	Due Date
	A002	Final Report DI-MGMT-80368A	Electronic	One Time	30 Day after EOT
	A003	Interim Progress Report Financial DI FNCL-80331A		10 DARP	Monthly
	A004	Interin Progress Report Technical DI-MGMT-80227		10 DARP	Monthly
	A005	Travel Reports DI-ADMN-81308A		As Req'r'd	5 Days after travel
Security Classification	Unclassified				
Hazard and Safety Information (The checked (X) Hazard and Safety Instructions are applicable to this TI)	<input type="checkbox"/> Known Hazards: (List known hazards here) <input checked="" type="checkbox"/> No Hazard or Safety Information applicable <input type="checkbox"/> Other (Specify: _____) <input type="checkbox"/> Other (Specify: _____) <input type="checkbox"/> Other (Specify: _____)				

TI ROM Cost Estimate:	Total hours	ODCs	Travel	Total Estimate
	\$725,000	\$400,000	\$5,000	\$1,130,000.00

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

PCO concurrence:

(Signature)

CHARLES E. THOMPSON, JR.
(print name)

(date)

TI No./Revision No.	TI-15, Rev. XX
---------------------	----------------

Contracting Officer

_____	Ernest F Kerekes	_____
(Signature)	(print name)	(date)
Contracting Officer's Representative		

Acknowledgement of receipt by Contractor:

_____	Audrey Hughes	_____
(Signature)	(print name)	(date)
Authorized Representative of Contractor		

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

Copy to:
COR
DCMA

STEP-BY-STEP INSTRUCTIONS

The following table provides step-by-step instructions on how to complete the Technical Instruction (TI) template. The TI template is setup as a form. The grey boxes and check boxes indicate areas that are required to be filled out. To move through the fields simply use the tab key to move from one field to the next. If additional space is required for any block, continue on a separate sheet, indicating the relevant block name(s).

Routing should generally be as follows: The COR prepares the TI. If needed, the COR may obtain the ROM information from the contractor, including any travel and ODCs. Once the COR has finalized the TI, the COR submits the TI to the PCO for concurrence. After the PCO concurs, the PCO will return the TI to the COR for signature and submittal to the Contractor. The Contractor will return the signed TI to the COR. The signed TI will be maintained in the official COR file and the COR will make distribution as necessary.

BLOCK	INSTRUCTIONS (use the "Tab" button to navigate from field to field)
TI No./Revision No.	Assign a TI number. If the TI is revised, a revision number or letter is assigned.
TI Revision Date	Insert the date the TI revision is issued. This date will change with each subsequent revision.
Original TI Issue Date	Insert the date the original TI is issued. The issue date remains unchanged.
Purpose of Revision	Indicate the purpose of the revision, i.e., incremental funding, etc.
Contract/Task Order No.	Insert the contract and task/delivery order number (if applicable).
Government Agency/Activity	Insert the name of the agency/activity requesting the work, e.g., NAVSEA.
Sponsoring Office	Insert the sponsoring office's organization and code information, e.g. PEO-SUB and PMS 425.
Program/Technical Office	Insert the program/technical office's code information, e.g. John Doe, Code 25.
Contracting Officer's Representative (COR)	Identify the COR information.
Procuring Contracting Officer (PCO)	Identify the PCO information.
Contractor	Insert the name of the Prime Contractor who will be performing the work.
Contractor POC	Insert the Prime Contractor's information here.
Severability	Determine the severability of the tasking. (Note: Non-severable work represents a single undertaking or a requirement that was conceived as a single end product or result. Severable work, on the other hand, is conceived as a recurring requirement for the same type of service, to be furnished and paid for on an incremental basis).
Special Skills Required	Special skills required to complete the tasking must be identified here (e.g., welding certification, CPR training, etc.).
Applicable SOW/PBWS Paragraph Number(s)	Identify the applicable SOW/PBWS paragraph number.
TI Title	Insert brief TI title.

TI Description	This space is used to further identify or define the requirements. Do not insert (cut or paste) paragraphs from the SOW/PBWS in this area, as they are already identified in the "Applicable SOW/PBWS Paragraph Number(s)" block above. Do not provide instructions to the contractor as to how they are to accomplish the tasking, who they are to hire, or who they are to use as a subcontractor, as these determinations are made by the contractor.
Applicable Documents	Applicable documentation generally includes Mil-Standards/Specs, Special Instructions, etc. If none, insert N/A.
Government Furnished Information (GFI), Government Furnished Equipment (GFE), Government Furnished Material (GFM); Government Furnished Facilities (GFF)	Identify all Government Furnished Information, Equipment, Material, Facilities or other items provided by the Government, including the date provided/available, an adequate description, location, building number, serial numbers, model numbers and quantities, as applicable. Attachments may be used if the list is extensive, but should be identified in this block (e.g., "See Attachment 1 – Government Furnished Equipment"). If none, insert N/A.
Duty Location	Identify the location(s) where the work will be performed. This may be single or multiple locations on site, off site or both.
Temporary Duty/ Travel Requirements	Identify all travel anticipated to occur within the Continental United States (CONUS) or Outside the Continental United States (OCONUS). If none, insert N/A.
Funding Information	Identify the Labor or Other Direct Costs (ODC) funding identifier, followed by the associated Project or Program Name, appropriation FY, appropriation type and the funded amount, which can either be the total or an increment. If the TI is incrementally funded, the COR shall keep a running total of funding provided to date relative to the TI ROM total cost estimate in the official COR file.
Period of Performance	The period of performance identifies the time anticipated to complete the tasking.
Data Deliverable(s)	Identify all required data deliverables. Insert deliverable identifier (e.g., A001), description, required medium for delivery, frequency of delivery, and due date.
Security Classification	Identify Security Classification (e.g., Confidential; Secret; etc.). If no security classification is required or identified in the contract/TO, insert "Unclassified".
Hazard and Safety Information (The checked (X) Hazard and Safety Instructions are applicable to this TI)	Determine the appropriate Hazard and Safety Information. If there are "Known Hazards", list the known hazards. If known hazards are too numerous to mention, you may reference an attached document (e.g., see attached Exhibit 2 – List of Known Hazards). Identify any unique instructions that deal with the identified known hazards.
ROM Cost Estimate	The COR shall fill-in total cost estimate information.