

ORDER FOR SUPPLIES OR SERVICES

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 12/16/2011		2. CONTRACT NO. (If any)		6. SHIP TO:	
3. ORDER NO. DTMA-92-P-2012-0019		4. REQUISITION/REFERENCE NO. MA-PR615-20120276		a. NAME OF CONSIGNEE TS KENNEDY	
5. ISSUING OFFICE (Address correspondence to) U.S.DOT/ Maritime Administration Atlantic Div. Acquisition Office MAR-380-2 7737 Hampton Blvd Building 19 Suite 300 NORFOLK VA 23505-1204				b. STREET ADDRESS Massachusetts Maritime Academy 101 Academy Drive	
7. TO: ALEX B. JOHNSTON				c. CITY Buzzards Bay	
a. NAME OF CONTRACTOR RELIABILITY MAINTENANCE SERVICES INC				d. STATE MA	
b. COMPANY NAME DUNS #807366752				e. ZIP CODE 02532	
c. STREET ADDRESS 823 W PARK AVE PMB 245				f. SHIP VIA	
d. CITY ASBURY PARK				8. TYPE OF ORDER	
e. STATE NJ				<input checked="" type="checkbox"/> a. PURCHASE REFERENCE YOUR: _____ _____ Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.	
f. ZIP CODE 07712-7205				<input type="checkbox"/> b. DELIVERY Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	
9. ACCOUNTING AND APPROPRIATION DATA See Schedule				10. REQUISITIONING OFFICE DIV. of ATLANTIC OPERATIONS	

11. BUSINESS CLASSIFICATION (Check appropriate box(es))				12. F.O.B. POINT	
<input checked="" type="checkbox"/> a. SMALL	<input type="checkbox"/> b. OTHER THAN SMALL	<input type="checkbox"/> c. DISADVANTAGED	<input type="checkbox"/> g. SERVICE-DISABLED VETERAN-OWNED	Destination	
<input type="checkbox"/> d. WOMEN-OWNED	<input type="checkbox"/> e. HUBZone	<input type="checkbox"/> f. EMERGING SMALL BUSINESS			
13. PLACE OF		14. GOVERNMENT B/L NO.		15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	
a. INSPECTION Destination	b. ACCEPTANCE Destination				

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	The purpose of this purchase order is for the provision of annual vibration and thermography survey onboard the T.S. KENNEDY. Continued ...					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		17(h) TOTAL (Cont. pages)	
	21. MAIL INVOICE TO:							
	a. NAME Multiple						\$14,000.00	17(i) GRAND TOTAL
	b. STREET ADDRESS (or P.O. Box)						\$14,000.00	
c. CITY		d. STATE		e. ZIP CODE				

22. UNITED STATES OF AMERICA BY (Signature) 		23. NAME (Typed) Monique Leake TITLE: CONTRACTING/ORDERING OFFICER	
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**ORDER FOR SUPPLIES OR SERVICES
SCHEDULE - CONTINUATION**

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 12/16/2011	CONTRACT NO.	ORDER NO. DTMA-92-P-2012-0019
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ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	Admin Office: U. S. DOT Maritime Administration Atlantic Div. Acquisition Office MAR-380.2 7737 Hampton Blvd Building 19 Suite 300 Norfolk VA 23505-1204 Accounting Info: 70X1750SMR.2012.120SMP1070.0000160000.25711. 61006600 Period of Performance: 01/02/2012 to 01/09/2012					
0001	PERFORM VIBRATION SURVEY IAW ATTACHED SOW, CLIN 0001. Payment: MARAD A/P INVOICES 6500 SOUTH MACARTHUR BLVD OKLAHOMA CITY OK 73169				7,000.00	
0002	PERFORM INFRARED SURVEY IAW ATTACHED SOW, CLIN 0002. Payment: MARAD A/P INVOICES P.O.BOX 25710 OKLAHOMA CITY OK 73125				4,500.00	
0003	ANALYZE VIBRATION AND INFRARED DATA AND PRODUCE REPORTS IAW ATTACHED SOW CLIN 0003. Payment: MARAD A/P INVOICES P.O.BOX 25710 OKLAHOMA CITY OK 73125 In order for an invoice to be processed for payment, it must include your Federal ID Number, Purchase Order Number, and Invoice Number. Without these numbers, your invoice will be returned and payment will be delayed. The total amount of award: \$14,000.00. The obligation for this award is shown in box 17(i).				2,500.00	
TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))					\$14,000.00	

STATEMENT OF WORK (SOW): TS Kennedy - Annual Vibration and Infrared Surveys

INTENT: It is the intent of this SOW to perform a vibration and infrared survey on numerous equipment in accordance with the American Bureau of Shipping (ABS) "Guide For Surveys Based On Preventive Maintenance Techniques (2003)".

LOCATION: The majority of this SOW shall be performed aboard the Training Ship Kennedy, located at the Massachusetts Maritime Academy, 101 Academy Drive, Buzzards Bay, MA 02532. The remaining scope of work, which requires measurements on the main engine and shafting, shall be performed with the ship underway. This underway period shall occur between Buzzards Bay, MA and Point Judith, RI on the date of departure, January 8, 2012. The Contractor shall be disembarked by boat in the area of Point Judith and provided transportation back to 101 Academy Drive, Buzzards Bay, MA.

PERFORMANCE PERIOD: The performance period shall start on January 5 and terminate on the day of departure, January 8, 2012. Notification from the Contractor shall be expected as soon as possible on machinery which is exhibiting serious vibration or thermal concerns. The complete report shall be delivered no later than 4 weeks after the final readings are taken.

WORK DESCRIPTION

CLIN 0001 - Gather Vibration Data: An ABS certified vibration analysis contractor is to gather both overall and spectral (FFT) vibration velocity measurements in three orthogonal planes at each accessible bearing of the one hundred thirty nine (139) equipment listed in the table below. The number of measurements taken, their frequency ranges (as determined by their high and low pass filter settings), and the resolution of those measurements shall be such as to make it possible to identify any existing faults in that equipment. In addition to the vibration velocity measurements, HFD (high frequency detection, measured in g's acceleration) shall be taken at each accessible bearing. Ultrasonic measurements shall also be taken in the area of each bearing and coupling.

An Engineering Officer shall be appointed by the Chief Engineer to start/stop various equipment for the technician gathering the data.

Equipment Listing

01	HIGH PRESSURE TURBINE
02	LOW PRESSURE TURBINE
03	HIGH PRESSURE PINION GEAR
04	LOW PRESSURE PINION GEAR

05	MAIN REDUCTION GEAR
06	THRUST (A) & LINE SHAFT BEARINGS
07	#1 TURBINE GENERATOR
08	#2 TURBINE GENERATOR
09	EMERGENCY CAT. DIESEL GENERATOR
10	STBD FORCED DRAFT FAN
11	PORT FORCED DRAFT FAN
12	STBD STEERING GEAR PUMP
13	PORT STEERING GEAR PUMP
14	#1 PORT BOILER FEED PUMP
15	#2 STBD BOILER FEED PUMP
16	#1 MAIN CONDENSATE PUMP
17	#2 MAIN CONDENSATE PUMP
18	MAIN CIRCULATING PUMP
19	#1 T. GEN. CONDENSATE PUMP
20	#2 T. GEN. CONDENSATE PUMP
21	#1 AUXILIARY CIRCULATING PUMP
22	#2 AUXILIARY CIRCULATING PUMP
23	TURBINE L.O. SERVICE PUMP
24	ELECTRIC L.O. SERVICE PUMP
25	TURBINE FUEL OIL SERVICE PUMP
26	ELECTRIC FUEL OIL SERVICE PUMP
27	FUEL OIL TRANSFER PUMP
28	LUBE OIL PURIFIER
29	CONTROL AIR COMPRESSOR
30	S.S. AIR COMPRESSOR
31	#1 S.S. REEFER COMPRESSOR
32	#2 S.S. REEFER COMPRESSOR
33	#1 A/C COMPRESSOR
34	#2 A/C COMPRESSOR
35	BILGE & BALLAST PUMP
36	EMERGENCY FIRE PUMP

37	TURBINE FIRE PUMP
38	GENERAL SERVICE PUMP OTBD
39	SEA WATER SERVICE PUMP INBD
40	#1 A/C CHILLED WATER PUMP
41	#2 A/C CHILLED WATER PUMP
42	HOT WATER CIRCULATING PUMP
43	CONTAMINATED STEAM GEN.FEED PUMP
44	#1 DIST. DISTILLATE PUMP
45	#2 DIST. DISTILLATE PUMP
46	#1 DIST. S.W. FEED PUMP
47	#2 DIST. S.W. FEED PUMP
48	#1 DIST. BRINE PUMP
49	#2 DIST. BRINE PUMP
50	TURNING GEAR
51	COLD START BOILER FEED PUMP
52	POTABLE WATER PUMP OTBD (NEW)
53	POTABLE WATER PUMP INBD (NEW)
54	#1 POTABLE WATER (OLD)
55	#2 POTABLE WATER (OLD)
56	STERN TUBE LUBE OIL PUMP
57	VACUUM PUMP #1 INBD
58	VACUUM PUMP #2 OTBD
59	PORT FEED PUMP
60	AUXILIARY GENERATOR WARTSILA
61	AUX. ENG. TURBOCHARGER
62	F.W. GEN. S.W. PUMP
63	AUX. ENG. COOLING CIRC. PUMP
64	FIRE PUMP #3
65	CHILLER CIRC. & BILGE PUMP #1
66	CHILLER CIRC. & BILGE PUMP #2
67	HOT F.W. PUMP
68	F.W. GEN. DISTILLATE PUMP

69	CHILLER PUMP #1
70	CHILLER PUMP #2
71	STARTING AIR COMPRESSOR #1 INBD
72	STARTING AIR COMPRESSOR #2 OTBD
73	L.O. PURIFIER
74	FEED PUMP L.O. PUR.
75	H.F.O. PURIFIER
76	FEEDER PUMP D01 FWD
77	BOOSTER PUMP D03 AFT
78	FEEDER PUMP D02 FWD
79	BOOSTER PUMP D04 AFT
80	BOILER COLD START TRANSFER PUMP
81	S.W. FLUSHING PUMP #1
82	S.W. FLUSHING PUMP #2
83	A/C COMPRESSOR 1-A1
84	A/C COMPRESSOR 1-B1
85	A/C COMPRESSOR 2-A1
86	A/C COMPRESSOR 2-B1
87	AUX. GENERATOR COOLING PUMP
A01	ANCHOR WINDLASS
A02	WARPING WINCH
A03	#1 FWD MOTOR-GENERATOR A=STBD
A04	#2 FWD MOTOR-GENERATOR A=STBD
A05	MSD COMPRESSOR #1
A06	MSD COMPRESSOR #2
A07	MSD DISCHARGE PUMP #1
A08	MSD DISCHARGE PUMP #2
B01	BOW THRUSTER
B02	SPRINKLER PUMP
B03	FWD CARGO OIL (SLOP) PUMP
F01	FAN E1-67-1 PAINT LOCKER HOLD2
F02	FAN S01-66-1 UPPER FWD FAN ROOM

F03	FAN S01-67-1 UPPER FWD FAN ROOM
F04	FAN E01-67-2 UPPER FWD FAN ROOM
F05	FAN E01-69-2 UPPER FWD FAN ROOM
F06	FAN S01-69-1 UPPER FWD FAN ROOM
F07	FAN S01-68-1 UPPER FWD FAN ROOM
F08	FAN E01-70-2 UPPER FWD FAN ROOM
F09	FAN R4-68-1 TANKTOP HOLD 3
F10	FAN R2-82-1 UPPER TWEEN HOLD 3
F11	FAN S03-91-1 STAIRTOWER 3-85-1
F12	FAN E03-93-1 STAIRTOWER 3-85-1
F13	FAN R02-107-1 BOAT DECK FWD
F14	FAN R02-107-2 BOAT DECK FWD
F15	FAN E02-107-3 BOAT DECK FWD
F16	FAN S02-108-2 BOAT DECK FWD
F17	FAN E02-108-3 BOAT DECK FWD
F18	FAN E02-108-4 BOAD DECK FWD
F19	FAN R2-103-1 UPPER TWEEN HOLD 4
F20	FAN S2-109-1 UPPER TWEEN HOLD 4
F21	FAN E2-109-2 UPPER TWEEN HOLD 4
F22	FAN R3-105-1 LOWER TWEEN HOLD 4
F23	FAN 01-140-2 GALLEY EXHAUST FAN
F24	FAN 01-142-2 TEMPERED AIR SUPPLY
F25	FAN 01-139-2 A/C SUPPLY FAN
F26	FAN 03-133-2 EXHAUST
F27	FAN 03-133-2 T/S EXHAUST
F28	STBD FWD E.R SUPPLY FAN 04-131-1
F29	STBD AFT E.R.SUPPLY FAN 04-133-1
F30	PORT FWD E.R SUPPLY FAN 04-131-2
F31	PORT AFT E.R SUPPLY FAN 04-133-2
F32	STBD E.R EXHAUST FAN 05-131-1
F33	PORT E.R EXHAUST FAN 05-131-2
F34	FAN R3-150-1 LOWER TWEEN HOLD 5

F35	FAN R3-177-2 LOWER TWEEN HOLD 6
F36	FAN S2-146-2 UPPER TWEEN AFT
F37	FAN E2-158-2 UPPER TWEEN AFT
F38	FAN S2-151-1 UPPER TWEEN AFT
F39	FAN E2-164-1 UPPER TWEEN AFT
F40	FAN R2-182-2 UPPER TWEEN HOLD 6
F41	FAN R01-169-2 UPPER DECK AFT
F42	FAN R01-171-1 UPPER DECK AFT
F43	FAN S01-170-1 UPPER DECK AFT
F44	FAN E01-173-2 UPPER DECK AFT
F45	FAN E01-174-2 UPPER DECK AFT
F46	FAN E01-174-4 UPPER DECK AFT
F47	FAN S01-173-3 UPPER DECK AFT
F48	FAN R01-173-1 UPPER DECK AFT
F49	FAN S03-172-1 CABIN DECK AFT
F50	FAN E03-172-3 CABIN DECK AFT
F51	FAN E1-175-2 DECK HEAD 1-173-3

CLIN 0002 – Gather Infrared Measurements: An ABS certified infrared technician shall scan the internals (buss bar and circuit breaker connections) of the main switchboard, auxiliary switchboard, emergency switchboard and all motor controllers of the equipment listed above in CLIN 0002 for the purpose of identifying temperature anomalies (electrical faults) in that equipment. When necessary, amperage readings shall also be taken to help identify phase imbalances and/or overload conditions. Serious faults shall be brought to the attention of the Chief Engineer as soon as possible.

An Engineering Officer shall be appointed by the Chief Engineer to start/stop various equipment for the technician gathering the data.

CLIN 0003 - Perform Analysis of Vibration and Infrared Data and Produce Report: An ISO certified vibration analyst shall analyze the data gathered in CLIN 0001 for the existence of any equipment faults. Those faults, and the recommended actions to remedy them, must be clearly stated in a printed report. That report must include trended data (over the previous 3 years) for that equipment exhibiting a fault. An ISO certified infrared technician shall analyze the data gathered in CLIN 0002 for the existence of any equipment faults. Those faults, and the recommended actions to remedy them, must be clearly stated in a printed report which includes photos of the faults. These two reports (both

vibration and infrared) shall be produced in triplicate in both printed and CD format and delivered to the attention of Matt O'Donnell, U.S. Maritime Administration, 101 Academy Drive, Buzzards Bay, MA 02532.

The following FAR and Transportation Acquisition Manual (TAM) provisions and clauses apply to this purchase order and are incorporated by reference.

52.252-2 Clauses Incorporated by Reference

This contract incorporates one or more clauses by reference with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at the following Internet addresses:

Federal Acquisition Regulations (52.) <https://www.acquisition.gov/comp/far/current/html/FARTOCP52.html>

Transportation Acquisition Regulations (1252.) <http://www.dot.gov/ost/m60/tamtar/part1252.htm>

U.S. Maritime Administration Provisions and Clauses (MCL.) https://voa.marad.dot.gov/Solicitation_Awards/docs/mar-380/MARAD%20Clauses%20MCL%20for%20HTML.htm

52.212-4 Contract Terms and Conditions-Commercial Items;

52.212-5 Contract Terms and Conditions Required to Implement Statutes or Executive Orders - Commercial Items; within FAR Clause 521112-5(b) and (c), the following Items are designed by the Contracting Officer to apply to the solicitation:

52.222-3 Convict Labor,

52.222-19 Child Labor - Cooperation with Authorities and Remedies,

52.222-21 Prohibition of Segregated Facilities,

52.222-26 Equal Opportunity,

52.222-36 Affirmative Action for Workers with Disabilities, (Over 15K)

52.232-33 Payment by Electronic Funds Transfer --Central Contractor Registration

52.222-41 Service Contract Act (The Service Contract Act wage determination applicable to this requirement is available online at the following address: <http://www.wdol.gov/wdol/scafiles/std/05-2543.txt>)

52.223-18 Encouraging Contractor Policy to Ban Text Messaging While Driving

1252.223-73 Seat Belt Use Policies and Programs

MCL.H-6 Standards of Employee Conduct

DAMAGE TO GOVERNMENT FACILITIES: Damage to any facility, interior/exterior equipment, or systems caused by the contractor, as a result of work performed under this contract, shall be repaired by the contractor at his/her own expense. The contractor shall be required to repair or replace all items and components, to return the damaged area to its condition before the damage incident.

DTMA-92-P-2012-0019

T.S. KENNEDY – Vibration Analysis & Thermography Survey

INVOICE SUBMISSION INSTRUCTIONS - MARAD

The Contractor may submit invoices in either electronic or paper format. Electronic submission is preferred.

(1) Electronic invoices shall be addressed to MARADInvoices@faa.gov, with copy to MARADSARInvoices@dot.gov

Electronic invoices shall conform to the following criteria, or be subject to rejection:

- a. Invoice and supporting documentation shall be in Adobe Acrobat (pdf) format.
- b. The e-mail subject shall include the contract/purchase order number and invoice number.
- c. The transmitting e-mail shall include the following information: Name of the Contractor; Invoice date and number; Invoice amount; Contract number and, if applicable, the order or modification number; Terms of any discount for prompt payment offered; Payment instructions (i.e., financial institution, ABA routing #, account #)

(2) Paper invoices shall be submitted to one of the following addresses. Multiple copies are not required.

MARAD A/P SAR Invoices Branch

AMZ-160

PO Box 25710

Oklahoma City, OK 73125

If a street address is required for delivery (i.e., Federal Express), the following address may be used in lieu of the post office box:

MARAD A/P SAR Invoices Branch

AMZ-160

6500 S MacArthur Blvd.

Oklahoma City, OK 73169