

List of Pages and Lines Exempt from Disclosure

Task Order 11 - Cost Proposal		
Pages 1-2	All lines	Delete the values associated with the price, total contract amounts, pricing rates, and hours. These deletions are essential to prevent a competitor from obtaining access to SAIC confidential financial information critical to our proposal effort. Release of this data could give a competitor an unfair advantage in future procurements by allowing them to underbid SAIC.

Task Order 11 - Task Management Plan		
Page 1 Page 2 Page 3 Page 5	Lines 16-46 Lines 1-20, 36-38, 41-44 Lines 1-7, 12-20 Lines 4-36	These pages describe SAIC's technical approach for accomplishing the Engineering Support project SOW. This approach is a result of SAIC's own creative knowledge and experience and is not publicly available. Release of this confidential information would cause substantial harm to SAIC's competitive posture on future procurements by allowing competitors to duplicate this technical approach to SAIC's detriment.
Page 5	Line 42	Delete the names of SAIC personnel. Release of the names of SAIC personnel would allow competitors

		the ability to contact these personnel for the purpose of pirating them away from SAIC, thereby harming our competitive position.
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Task Order 11 - Work Breakdown Structure/GANTT		
(1) Dated Thu 6/16/05	All Pages (3)	Delete SAIC's estimated hours for the described taskings. This deletion is essential to prevent a competitor from obtaining access to SAIC confidential pricing information critical to our proposal effort. Release of this data could give a competitor an unfair advantage in future procurements by allowing them to underbid SAIC.

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF PAGES 4

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

1. DATE OF ORDER: 30 JUN 2005
 2. CONTRACT NO. (if any): OA133005CQ1035
 3. P.O. NO.: 011
 4. REQUISITION/REFERENCE NO.: NWWG9500-5-24870
 ADDRESS: SSUING OFFICE Address correspondence to: WG953023
 NATIONAL DATA BUOY CENTER
 RESOURCES BRANCH /W/OPSS53
 BUILDING 1100
 STENNIS SPACE CENTER, MS 39529-6000
 TIMOTHY D. BLACK
 228-688-2382
 TIN: 953630868

6. SHIP TO: WG953023
 a. NAME OF CONSIGNEE: NATIONAL DATA BUOY CENTER
 b. STREET ADDRESS: RESOURCES BRANCH /W/OPSS53 BUILDING 1100
 c. CITY: STENNIS SPACE CENTER
 d. STATE: MS
 e. ZIP CODE: 39529-6000
 f. SHIP VIA:

TO: 00004157
 Name of Contractor: SAIC
 DUNS: 148095086
 Company Name: SCIENCE APPLICATIONS INTERNATIONAL CORPORATION
 Street Address: 10260 CAMPUS POINT DRIVE MAIL STOP G2
 City: SAN DIEGO
 ACCOUNTING AND APPROPRIATION: See Attached Schedule
 BOC: OBLIGATED AMT: \$199,549.17

8. TYPE OF ORDER
 a. PURCHASE
 b. DELIVERY
 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.
 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.

1. BUSINESS CLASSIFICATION (Check appropriate box(es))
 a. SMALL
 b. OTHER THAN SMALL
 c. DISADVANTAGED
 d. WOMEN-OWNED

2. F.O.B. POINT: DESTINATION
 13. PLACE OF: a. INSPECTION b. ACCEPTANCE
 14. GOVERNMENT B/L NO.
 15. DELIVER TO F.O.B. POINT ON OR BEFORE: 30 Jun 2006
 16. DISCOUNT TERMS: 00.00% 0 Days
 Net 0

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QTY ACCEPT. (g)
	SEE SCHEDULE					

18. SHIPPING POINT
 19. GROSS SHIPPING WEIGHT
 20. INVOICE NO.
 21. MAIL INVOICE TO:
 a. NAME: NATIONAL DATA BUOY CENTER
 b. STREET ADDRESS (or P.O. Box): RESOURCES BRANCH /W/OPSS53 BUILDING 1100
 c. CITY: STENNIS SPACE CENTER
 d. STATE: MS
 e. ZIP CODE: 39529-6000
 17(h) TOTAL (Cont. pages)
 17(i) GRAND TOTAL: 199,549.17

22. UNITED STATES OF AMERICA BY (Signature): *TD Black 6/18/05*
 23. NAME (Typed): TIMOTHY D. BLACK
 (TITLE CONTRACTING/ORDERING OFFICER)
 228-688-2382
 OPTIONAL FORM 347 (REV. 6/95)

SEE BILLING INSTRUCTIONS ON REVERSE

ORDER FOR SUPPLIES OR SERVICES - Continuation

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

DATE OF ORDER 07/01/2005	CONTRACT NO. (if any) QA133005CQ1035	ORDER NO. 0011
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LINE NO.	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QTY ACCEPT. (g)
001	<p>TASK ORDER 05-TOS-11 - OPERATIONAL ENGINEERING FOR SUPPORT OF THE NDBC MARINE OBSERVATION NETWORK</p> <p>Provide all labor and materials to accomplish operational engineering for the Marine Observation Network in accordance with the Task Management Plan(TMP). The performance period for this task order is 07/01/2005-09/30/2005.</p> <p>FFP - 3 Option Periods</p> <p>Accounting and Appropriation Data: 14.05.4RM1JHCPWB07040102000.20060000 95020000.25130000 \$ 6,000.00 ✓ 14.05.4BM1J60PRG06040102000.2006000095 020000.25130000 \$ 6,000.00 ✓ 14.05.C8K3BUWP5031010102031.200600009 5020000.25130000 \$ 6,000.00 ✓ 14.05.4RM1J00PRX07040102000.2006000095 020000.25130000 \$ 6,000.00 ✓ 14.05.C8K3BCLPSZ31010102020.200600009 5020000.25130000 \$ 12,000.00 ✓ 14.05.C8M5JDBPAB31040401010.200600009 5020000.25130000 \$ 27,000.00 ✓ 14.05.C8M5JTHPDT31040401006.200600009 5020000.25130000 \$ 35,549.17 14.05.C8M5J11PK431040401005.2006000095 020000.25130000 \$ 101,000.00 ✓</p>	1	JB	199,549.17	199,549.17	
0002	<p>FFP Option 1 TASK ORDER 05-TOS-11 - OPERATIONAL ENGINEERING FOR SUPPORT OF THE NDBC MARINE OBSERVATION NETWORK</p> <p>Provide all labor and materials to accomplish operational engineering for the Marine Observation Network in accordance with the Task Management Plan(TMP). The performance period for this task order is 10/01/2005-12/31/2005.</p>	0	JB	0.00	0.00	

ORDER FOR SUPPLIES OR SERVICES - Continuation

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

DATE OF ORDER 01/2005	CONTRACT NO. (if any) QA133005CQ1035	ORDER NO. 0011
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ITEM NO.	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QTY ACCEPT. (g)
0003	<p>The proposed fixed price for this option is \$199,549.17.</p> <p>FFP Option 2 TASK ORDER 05-TOS-11 - OPERATIONAL ENGINEERING FOR SUPPORT OF THE NDBC MARINE OBSERVATION NETWORK</p> <p>Provide all labor and materials to accomplish operational engineering for the Marine Observation Network in accordance with the Task Management Plan(TMP). The performance period for this task order is 01/01/2006-03/31/2006.</p> <p>The proposed fixed price for this option is \$199,549.17.</p>	0	JB	0.00	0.00	
0004	<p>FFP Option 3 TASK ORDER 05-TOS-11 - OPERATIONAL ENGINEERING FOR SUPPORT OF THE NDBC MARINE OBSERVATION NETWORK</p> <p>Provide all labor and materials to accomplish operational engineering for the Marine Observation Network in accordance with the Task Management Plan(TMP). The performance period for this task order is 04/01/2006-06/30/2006.</p> <p>The proposed fixed price for this option is \$199,549.17.</p>	0	EA	0.00	0.00	

DANL

AMENDMENT OF SOLICITATION / MODIFICATION OF CONTRACT

Contract ID Code Page of Pages 1 2

1. Amendment/Modification No. 001 3. Effective Date Sep 22, 2005 4. Requisition/Purchase Req. No. NWWG9500-5-25811 5. Project No. (if applicable)

6. Issued By NATIONAL DATA BUOY CENTER RESOURCES BRANCH /W/OPSS3 BUILDING 1100 STENNIS SPACE CENTER, MS 39529-6000 TIMOTHY D. BLACK 228-688-2382 7. Administered By (if other than Item 6) SEE BLOCK 6 Code

3. Name and Address of Contractor (No., Street, County, and Zip Code) SCIENCE APPLICATIONS INTERNATIONAL CORP 10260 CAMPUS POINT DRIVE MAIL STOP G2 SAN DIEGO CA 921211578 Vendor ID: 00004157 DUNS: 148095086 CAGE: 0T5L1 9A. Amendment of Solicitation No. (X) 9B. Date (See Item 11) 10A. Modification of Contract/Order No. QA1330-05-CQ-1035 0011 X 10B. Date (See Item 13) Jun 30, 2005

Code Facility Code 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers is extended is not-extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing items 8 and 15, and returning copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting and Appropriation Data (if required) See Schedule \$ US 66,517.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x) A. This change order is issued pursuant to: (Specify authority) The changes set forth in item 14 are made in the Contract Order No. in Item 10A. B. The above numbered Contract/Order is modified to reflect the administrative changes (such as changes in paying office, appropriation date, etc.) Set fourth item 14, pursuant to the authority of FAR 43.103 (b) C. This supplemental agreement is entered into pursuant to authority of: D. Other (Specify type of modification and authority) Exercise Optional Contract Line Item X

E. IMPORTANT: Contractor [X] is not, is required to sign this document and return copies to the issuing office.

4. Description of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) 1. The purpose of this modification is to exercise optional Contract Line Item (CLIN) 0002 for 1 month of performance. The accounting and appropriation data is new and must be added to this task order. 2. See page 2 of this modification for the details of CLIN 0002. Add the following funds to this task order for CLIN 0002:

1405C8M5J11PAL31040401005200600009503000025130000 \$66,517.00

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name and Title of Signer (Type or Print) TIMOTHY D. BLACK 228-688-2382 Contracting Officer tim.black@noaa.gov 16A. Name and title of Contracting Officer (Type or Print) 15B. Contractor/Offendor (Signature of person authorized to sign) 15C. Date Signed 16B. United States of America (Signature of Contracting Officer) 16C. Date Signed Sep 22, 2005

SCHEDULE

Item No.	Supplies/Services	Quantity	Unit	Unit Price	Amount
	<p>TASK ORDER 05-TOS-11 - OPERATIONAL ENGINEERING FOR SUPPORT OF THE NDBC MARINE OBSERVATION NETWORK</p> <p>Provide all labor and materials to accomplish operational engineering for the Marine Observation Network in accordance with the Task Management Plan(TMP). The performance period for this Contract Line Item is 10/01/2005-10/31/2005.</p> <p>FFP</p> <p>Accounting and Appropriation Data: 14.05.C8M5J11PAL31040401005.2006000095030 000.25130000 US\$ 66,517.00</p>	1	JB	66,517.00	66,517.00

DAN L

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. Contract ID Code	Page 1 of Pages 2
2. Amendment/Modification No. 0002	3. Effective Date Nov 22, 2005	4. Requisition/Purchase Req. No. NWWG9502-6-26191	5. Project No. (if applicable)	
6. Issued By NATIONAL DATA BUOY CENTER RESOURCES BRANCH /W/OPSS3 BUILDING 1100 STENNIS SPACE CENTER, MS 39529-6000 TIMOTHY D. BLACK 228-688-2382		Code WG953023	7. Administered By (If other than Item 6) SEE BLOCK 6	
8. Name and Address of Contractor (No., Street, County, and Zip Code) SCIENCE APPLICATIONS INTERNATIONAL CORP 10260 CAMPUS POINT DRIVE MAIL STOP G2 SAN DIEGO CA 921211578			Vendor ID: 00004157 DUNS: 148095086 CAGE: 0T5L1	(X) 9A. Amendment of Solicitation No. 9B. Date (See Item 11) 10A. Modification of Contract/Order No. QA1330-05-CQ-1035 0011 10B. Date (See Item 13) Jun 30, 2005
Code	Facility Code		11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS	

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers is extended is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
 (a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting and Appropriation Data (if required)
See Schedule \$ US 2,000.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(X)	A. This change order is issued pursuant to: (Specify authority) The changes set forth in item 14 are made in the Contract Order No. in item 10A.
	B. The above numbered Contract/Order is modified to reflect the administrative changes (such as changes in paying office, appropriation date, etc.) Set fourth item 14, pursuant to the authority of FAR 43.103 (b)
X	C. This supplemental agreement is entered into pursuant to authority of: In scope change within the terms and conditions of this task order by mutual agreement
	D. Other (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return 3 copies to the issuing office.

14. Description of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

1. The purpose of this modification is to make an equitable adjustment to this task order. The accounting and appropriation data is new and must be added to this task order.

2. Add CLIN 0005 to this task order. See page 2 for details. The following accounting and appropriation data is added to this task order:

14064BM1JSLPR706040102000200600009502000025130000 \$2,000.00

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name and Title of Signer (Type or Print) Amanda Carey Contracts Rep.	16A. Name and title of Contracting Officer (Type or Print) TIMOTHY D. BLACK Contracting Officer tim.black@noaa.gov	228-688-2382
15B. Contractor/Officer Amanda Carey (Signature of person authorized to sign)	15C. Date Signed	16B. United States of America T. D. BLACK (Signature of Contracting Officer)
		16C. Date Signed 11/28/05

SCHEDULE

Item No.	Supplies/Services	Quantity	Unit	Unit Price	Amount
0005	Equitable Adjustment to enable the Configuration Management Specialists to provide assistance to technicians for field service trips. FFP Accounting and Appropriation Data: 14.06.4BM1JSLPR706040102000.2006000095020 000.25130000 US\$ 2,000.00	1	JB	2,000.00	2,000.00

Dan L

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. Contract ID Code Page 1 of Pages 2

2. Amendment/Modification No. 0003 3. Effective Date Dec 29, 2005 4. Requisition/Purchase Req. No. NWWG9502-6-26411 5. Project No. (if applicable)

6. Issued By NATIONAL DATA BUOY CENTER RESOURCES BRANCH /W/OPSS3 BUILDING 1100 STENNIS SPACE CENTER, MS 39529-6000 TIMOTHY D. BLACK 228-688-2382 7. Administered By (if other than Item 6) Code SEE BLOCK 6

8. Name and Address of Contractor (No., Street, County, and Zip Code) SCIENCE APPLICATIONS INTERNATIONAL CORP 10260 CAMPUS POINT DRIVE MAIL STOP G2 SAN DIEGO CA 921211578 Vendor ID: 00004157 DUNS: 148095086 CAGE: 0T5L1 9A. Amendment of Solicitation No. 9B. Date (See Item 11) 10A. Modification of Contract/Order No. QA1330-05-CQ-1035 0011 10B. Date (See Item 13) Jun 30, 2005

Code Facility Code 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers is extended is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing items 8 and 15, and returning copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting and Appropriation Data (if required) See Schedule \$ US 3,000.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

- A. This change order is issued pursuant to: (Specify authority) The changes set forth in item 14 are made in the Contract Order No. in item 10A. B. The above numbered Contract/Order is modified to reflect the administrative changes (such as changes in paying office, appropriation date, etc.) Set fourth item 14, pursuant to the authority of FAR 43.103 (b) X C. This supplemental agreement is entered into pursuant to authority of: In scope change within the terms and conditions of this task order by mutual agreement D. Other (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, X is required to sign this document and return 3 copies to the issuing office.

14. Description of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

- 1. The purpose of this modification is to increase funds for CLIN 0005. The accounting and appropriation data is new and must be added to the task order. 2. The total value of CLIN 0005 is changed from \$2,000.00 to \$5,000.00, a net increase of \$3,000.00. See page 2 for the details of CLIN 0005. The following accounting and appropriation data is added to the task order:

1406D8M6J11PK437040406001200600009502000025130000 \$3,000.00

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name and Title of Signer (Type or Print) Amanda Carey Contracts Representative 16A. Name and title of Contracting Officer (Type or Print) TIMOTHY D. BLACK 228-688-2382 tim.black@noaa.gov 15B. Contractor/Officer 15C. Date Signed 12/29/05 16B. United States of America 16C. Date Signed Dec 29, 2005

SCHEDULE

Item No.	Supplies/Services	Quantity	Unit	Unit Price	Amount
0005	Equitable Adjustment to enable the Configuration Management Specialists to provide assistance to technicians for field service trips. Accounting and Appropriation Data: 14.06.4BM1JSLPR706040102000.2006000095020 000.25130000 US\$ 2,000.00 14.06.D8M6J11PK437040406001.2006000095020 000.25130000 US\$ 3,000.00	1	JB	5,000.00	5,000.00

Title of Task Order:	Operational Engineering for support of NOAA NDBC Marine Observation Network Programs.
NDBC Branch:	OPS52 Observing Systems
Performance Period:	July 1, 2005 – June 30, 2006
Task Order Type: (FFP or CPFF)	FFP
Purpose: (How this TO relates to NDBC's Mission or What Problem needs to be solved)	<p>To provide configuration management, general operational engineering support, wave measurement program enhancement, mooring improvements and design, and equipment performance reliability analysis for the MON. Specifically –</p> <ul style="list-style-type: none"> · Establish and maintain a program for Configuration Management and Drawing Maintenance of hardware, software, and documentation in accordance with NWS Instruction 30-1203, Configuration Management for Operational Systems, NDBC Level A and Level B documentation specifications found in NDBC Instructions NDBC-101.00, NDBC-102.00, NDBC-103.00, 104, 105, and other commercial standard(s). · Provide responsive operational engineering support to meet field service schedules. · Provide support for operational wave measurement systems so that the wave systems can satisfy the NOAA requirements, as well as the requirements of other reimbursable customers. · Provide continued MON platform and equipment monitoring to assist in the identification and correction of problems that adversely affect, or have the potential to affect, NOAA NDBC's ability to deliver environmental or ocean measurement data from the MON to our customers. As applicable, evaluate performance from a cost/benefit perspective. · To maintain the NOAA NDBC mooring program, including the design and planned maintenance of operational moorings.
Background:	In order to assure the integrity of systems designed, developed, deployed, and maintained by NOAA NDBC in support of the MON, Operational Engineering, Drawing Maintenance, and a Configuration Management Process must be continued for all NOAA NDBC MON products.

	<p>The current Configuration Control system is very cumbersome and time consuming. Typical CM tasks have included –</p> <p>Staffing and operating the Configuration Management Office during normal business hours; providing services on demand for documentation during business hours; maintaining and administering release of engineering drawings, procedures, standards, and specifications; maintaining oversight of approved Level B (developmental) documentation; maintaining official logs and files of Engineering Change Proposals (ECPs), Certifications, and Variances; processing ECPs and Variances for board approval; maintaining as current, an Engineering Change Status Report for all approved ECPs until incorporation; providing Engineering Change Notices (ECNs) of newly released, new, or revised documentation; operating a documentation recall system to track and retrieve superseded documentation; recommending transfer of selected hardcopy operational documentation to electronic files; updating NDBC standards, procedures, and specifications in accordance with approved ECPs; providing to users basic orientation training to the Configuration Management Process; maintaining Level A drawings at or above the current level which includes providing needed drafting support; organizing the electronic drawing files; and assembling Level B packages to support operational schedule if needed.</p> <p>Operational engineering projects have typically provided responsive support to meet mission needs and effect change to problem areas discovered during day to day operations and equipment performance analysis.</p>
<p>Scope of Effort:</p>	<p>The objective and scope of effort for this Task Order is to support the MON with the following needed support:</p> <ul style="list-style-type: none"> • Providing Configuration Management Support. • Initiating and Conducting design reviews, of a scope warranted by the complexity of the tasks. • Recommending a design change or design approach based on cost/benefit analysis. • General Operational Engineering that improves the MON and supports field service activities. This includes but is not limited to MON power systems; moorings; general support for the MON with ocean, mechanical, electrical, and structural engineering. • Providing support and improvement of NOAA NDBC operational wave systems, so that the wave systems may

	<p>continue to provide high quality wave data and can satisfy the requirements of various projects. Included in this scope are evaluating and analyzing wave system performance; improving existing wave sensors, components, and systems; evaluating and performing market research of new wave sensors and technology.</p> <ul style="list-style-type: none"> • Applying the principles of Reliability Engineering on NOAA NDBC sensors, systems, and equipment. This includes identifying trends of decreased or increased reliability, providing recommendations for replacement or upgrade, using cost/benefit to support recommended improvements, and gathering data into useful performance metrics to create a comprehensive report. • The scope of the mooring activity range from evaluating a proposed deployment location, designing a mooring for that location, implementing a mooring maintenance program, coordination with logistics to ensure that an appropriate stock of mooring materials is on hand, to subsequent mooring evaluation.
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<p>Tasks:</p>	<ol style="list-style-type: none"> 1. Provide Configuration Management for the MON. 2. Provide Operational Engineering support to address the following – <ul style="list-style-type: none"> • Response to day to day operations, providing general engineering support. • Provide systems troubleshooting support for shop efforts. • Provide power system analysis and early problem detection of operating platforms through an automated process if available, or through manual oversight. • Provide general mooring program support, which includes – <ul style="list-style-type: none"> - Staying current on mooring designs and maintaining the mooring database with respect to as deployed configuration. - Coordinating requests for bottom survey to resident USCG office for all NOAA NDBC moorings, including subsequent evaluation of survey to determine suitability for the mooring at the proposed site with the respective platform. - Designing and evaluating moorings using NOAA NDBC approved mooring model software or other approved method, to
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	<p>meet schedule requirements.</p> <ul style="list-style-type: none"> - Implementing a cost effective and reliable preventive maintenance program for moorings. · Build parameter loads to support field service schedule. · Make payload firmware modifications to correct problem areas – if needed. <p>3. Provide drafting support to create new drawings or update existing drawings with changes made through the engineering change process.</p> <p>4. Provide operational wave system support, which includes –</p> <ul style="list-style-type: none"> · Providing advanced wave system and data analysis for NOAA NDBC directional wave systems and stations. · Analyzing the cross spectra to compare and study the detailed differences between the HIPPY, ARS, and MO methods. · Improving the low-frequency noise correction (especially for the COLOS buoy) which could also improve the directional wave data. · Providing information and evaluation of new wave measurement components and systems for future NDBC wave system improvement and upgrade. <p>5. Provide equipment performance analysis and cost engineering, which includes –</p> <ul style="list-style-type: none"> · Evaluating failures in data availability and performing trend analysis. · Recommending changes that will enhance reliability, keeping in mind the cost/benefit of the recommendation. · Gather monthly equipment performance metrics.
<p>Assumptions/ Constraints (Security, Safety, Accessibility, etc...)</p>	<p>1. All MON products will continue to be well documented in accordance with all NOAA NDBC instructions and the instructions identified herein.</p> <p>2. Operational engineering efforts will support field service schedule and activities.</p>

	<p>3. For the ARS and MO study, the time series data previously collected at buoy stations near the Duck Pier and Harvest Platform will be used.</p> <p>4. The quantity of moorings that are needed will support operational schedules. Moorings shall continue to be deployable and recoverable from USCG buoy tender class vessels.</p>
Deliverables:	<p>1. Deliver a Comprehensive Configuration Management Plan that meets the requirements of NOAA and NOAA NDBC CM Instructions within sixty (60) days after award of this Task Order.</p> <p>2. Submit a Drawing Management Plan within sixty (60) Calendar days after award for organizing electronic files into a well defined document hierarchy, which is user friendly and is in a protected format.</p> <p>3. Deliver revised design documentation on all approved engineering changes.</p> <p>4. Test plans for system validation and operational certification for any system/component design change which warrant a test plan.</p> <p>5. Provide Critical Design Reviews for proposed Level A design changes dependent upon the complexity of the design change; provide appropriate procedural documentation.</p> <p>6. Provide reports of wave system study findings.</p> <p>7. Submit Bi-Weekly performance reports delivered four (4) days following the end of a period which summarize accomplishments during the period in question.</p> <p>8. Submit monthly equipment performance summary report which identifies component/sensor/system failures and discrepancies. Roll reports up into an annual Equipment Performance Summary and Deliver to the Government within three (3) months after the end of the Calendar year.</p>
GFE/GFI:	<p>GFE/GFI is available to support this effort. GFE/GFI lists can be found by referring to Section J of this solicitation. The Government requests your technical proposal state whether you intend to utilize the available GFE/GFI. Your cost proposal shall reference whether you will use GFE/GFI and the cost impact of that decision.</p>
Program Objectives/	<p>The Government requires this task order have performance-based</p>

Possible Performance Measures:	<p>measures that align with the Statement of Objectives and Program Goals contained in this solicitation. The contractor is required to provide a list of proposed measures for this task order with goals for level of service and the outcomes for achieving/not achieving those goals.</p> <p>For the purpose of this Task Order, the Government considers the reporting mechanism and the MON improvements to be the two biggest performance measures.</p>
Inspection/Acceptance:	Final inspection and acceptance of all work performed, reports generated, and other deliverables will be conducted by the COTR or other designee.
Travel:	Travel may be required to support this task order. The contractor shall provide cost estimates for all travel in the cost proposal and the travel expenses must comply with the Federal Travel Regulations.
Required information and/or submittals to be included in the required Task Management Plan (TMP):	<p>1. An Approach (narrative) for providing the deliverables and performing the tasks included herein.</p> <p>This includes a section devoted to the following:</p> <p>A. Configuration Management –</p> <p>Consider, and decide if necessary to maintain, the types of routine tasks discussed in the background section of this Task Order. The proposal should clearly state how day to day operations will be handled.</p> <p>B. Operational Engineering Tasks –</p> <p>Propose a breakdown of operational engineering Tasks that will be responsive to mission needs.</p> <p>2. Task Management Plan</p> <ol style="list-style-type: none"> a. Work Breakdown Structure (WBS) b. GANTT schedule c. Performance Specifications and metrics. d. Cost and Schedule information broken out by Station Sponsor subject area <p>3. Cost Proposal by Fiscal Quarter</p>

TASK MANAGEMENT PLAN
TASK ORDER NUMBER: 05-TOS-11

TITLE: Operational Engineering for Support of NOAA NDBC Maine Observation Network Programs

PERIOD OF PERFORMANCE: July 1, 2005 – June 30, 2006

1.0 SCOPE, ASSUMPTIONS AND CRITERIA FOR SUCCESS

1.1 SCOPE: To provide configuration management, general operational engineering support, wave measurement program enhancement, mooring improvements and design, and equipment performance reliability analysis for the MON.

1.2 ASSUMPTIONS:

1.2.1

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

TASK MANAGEMENT PLAN
TASK ORDER NUMBER: 05-TOS-11

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

2.0 SOW /TECHNICAL APPROACH

2.1 *Statement of Work:*

2.1.1 Our approach to this task order is to provide continuous support for the MON network in the areas of configuration management, reliability analysis, system troubleshooting at SSC, and technical expertise in mooring, payload, power, oceanographic, waves, and general systems engineering. The work breakdown structure is shown in the attachment.

2.1.2 For configuration management tasks, we plan to provide continuous support for drawing maintenance, configuration documentation, and drawing improvements as determined by the ECP process. We plan to review and upgrade, as directed in this task order, the CM and drawing processes. [REDACTED]

2.1.3 NTSC will provide hardware configuration management support for the NDBC MON and associated operational systems and components. [REDACTED]

TASK MANAGEMENT PLAN
TASK ORDER NUMBER: 05-TOS-11

2.1.4

2.1.5 For operational engineering tasks, we plan to provide resources to insure buoy and C-MAN stations are configured, tested, and documented properly to provide accurate and reliable data. These stations include those on the field service schedule and existing stations.

2.2 Management Approach

2.2.1 See Attachment A: WBS layout

3.0 SCHEDULE

3.1 See Attachment C: Program Performance Schedule

3.2 Delivery Schedule

Deliverables/Submittals	Due Date
Deliver a Comprehensive Configuration Management Plan that meets the requirements of NOAA and NOAA NDBC CM Instructions	Within sixty (60) days after award of this Task Order.
Submit a Drawing Management Plan for organizing electronic files into a well defined document hierarchy, which is user friendly and is in a protected format.	Within sixty (60) Calendar days after award
Deliver revised design documentation on all approved engineering changes.	As Required
Test plans for system validation and operational certification for any system/component design change which warrant a test plan.	As Required
Provide Critical Design Reviews for proposed	As Required

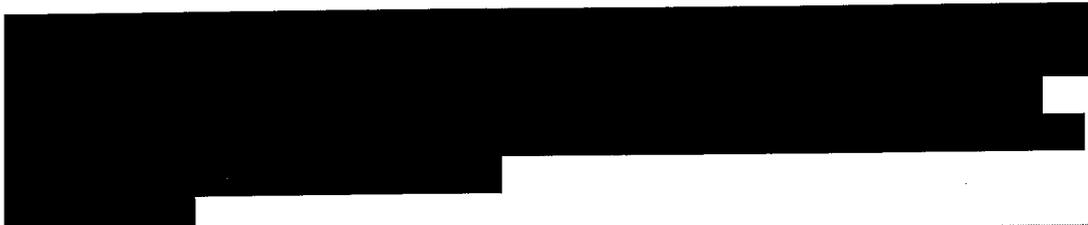
TASK MANAGEMENT PLAN
TASK ORDER NUMBER: 05-TOS-11

Deliverables/Submittals	Due Date
Level A design changes dependent upon the complexity of the design change; provide appropriate procedural documentation.	
Provide reports of wave system study findings.	As developed
Submit Bi-Weekly performance reports which summarize accomplishments during the period in question.	Four (4) days following the end of a period
Submit equipment performance summary report which identifies component/sensor/system failures and discrepancies.	Monthly
Roll equipment performance reports up into an annual Equipment Performance Summary	Within three (3) months after the end of the Calendar year.

4.0 DELIVERABLES

Deliverables/Submittals	Acceptance Criteria
Deliver a Comprehensive Configuration Management Plan	Upon Submission and meets the requirements of NOAA and NOAA NDBC CM Instructions
Submit a Drawing Management Plan for organizing electronic files into a well defined document hierarchy, which is user friendly and is in a protected format.	Upon Submission
Deliver revised design documentation on all approved engineering changes.	Upon Submission
Test plans for system validation and operational certification for any system/component design change which warrant a test plan.	Upon Submission
Provide Critical Design Reviews for proposed Level A design changes dependent upon the complexity of the design change; provide appropriate procedural documentation.	NLT 10 Business Days after Completion of CDR
Provide reports of wave system study findings.	Upon Submission
Submit Bi-Weekly performance reports which summarize accomplishments during the period in question.	Upon Submission
Submit equipment performance summary report which identifies component/sensor/system failures and discrepancies.	Upon Submission
Roll equipment performance reports up into an annual Equipment Performance Summary	Upon Submission

5.0 PERFORMANCE SPECIFICATIONS AND METRICS



[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

6.0 KEY PERSONNEL

6.1 [REDACTED]

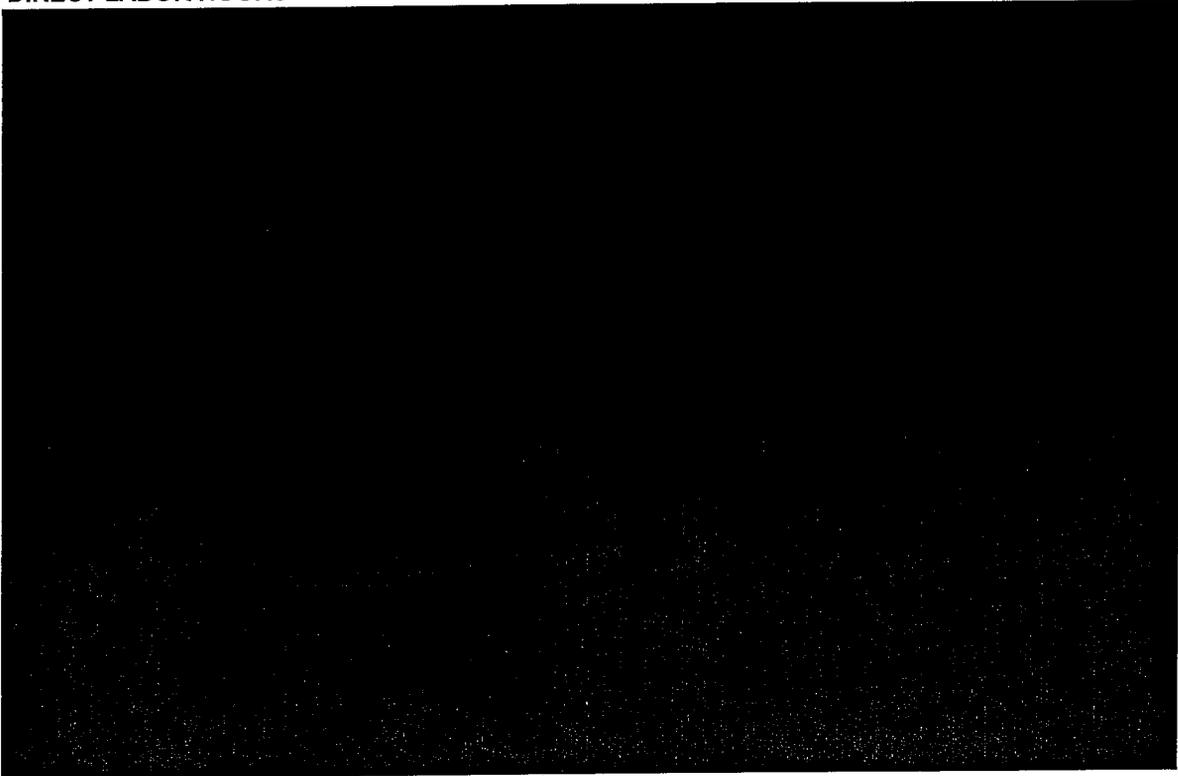
7.0 SEE ATTACHED – See Attached

TASK MANAGEMENT PLAN
TASK ORDER NUMBER: 05-TOS-11

8.0 PAYMENT TERMS – Invoices shall be submitted upon completion of each SAIC accounting period. This consists of 13 equal payments over the 1 year of performance. Payment shall be made within 30 days.

TASK ORDER #11
Operational Engineering for support of NDBC Marine Observation Network Programs
POP: 07/01/05-06/30/06

DIRECT LABOR HOURS



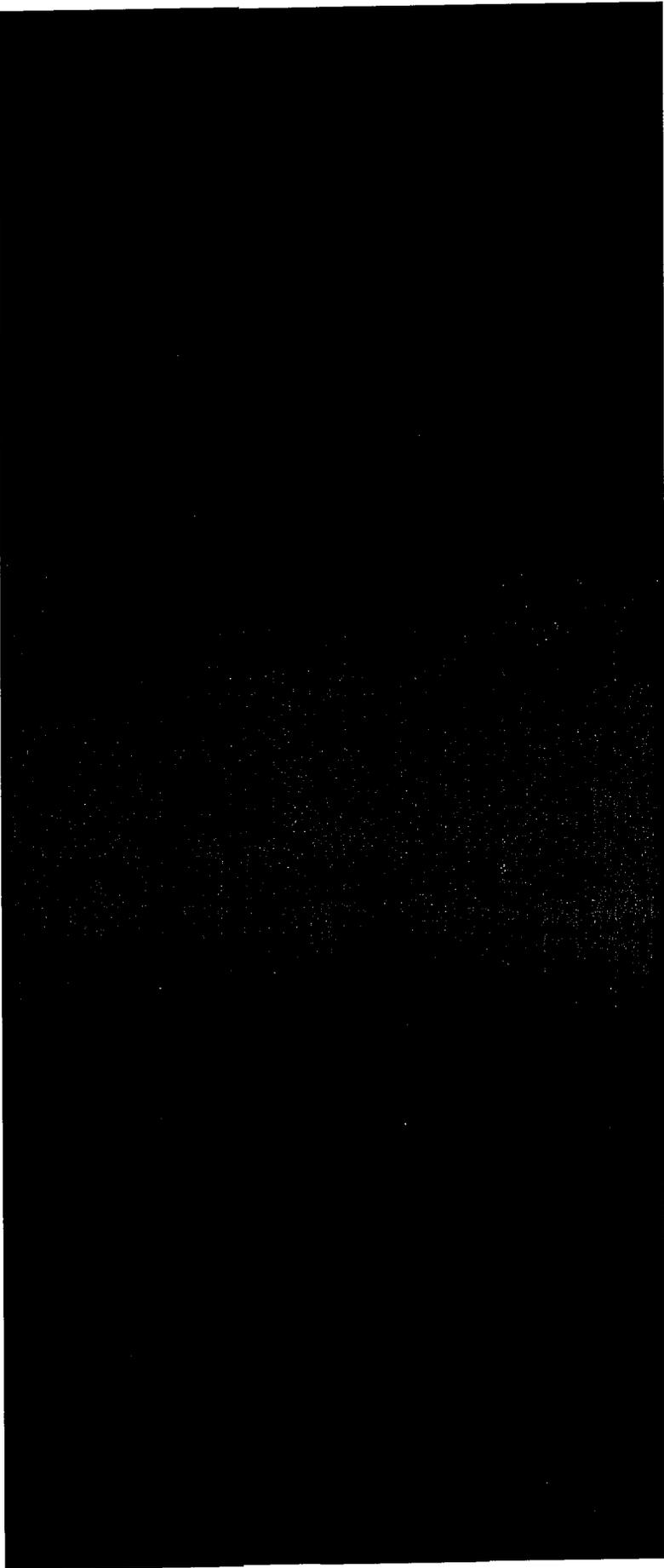
Task Order No.

#11

From: 7/1/2005
To: 6/30/2006

Travel

From	To	Purpose	Conference/Tr aining Fees	Airfare	# of Trips	No. of People Per Trip	Days (Per trip)	Nights (Per Trip)	No. of Cars	POV mileage/R T	Lodging Rate	Meal Rate	Total	Conference/Tr aining Totals
										100				



ID	Task Name	Work	Start	Finish	Qtr 3, 2005			Qtr 4, 2005			Qtr 1, 2006			Qtr 2, 2006			Qtr
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Project: \B1100-Is02\Common\WBS11
Date: Thu 6/16/05

Task
Milestone
External Tasks

Split
Summary
External Milestone

Progress
Project Summary
Deadline

ID	Task Name	Work	Start	Finish	Qtr 3, 2005			Qtr 1, 2006			Qtr 2, 2006					
					Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
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50																
51																
52																
57																

Task External Tasks

Split External Milestone

Progress Deadline

Milestone External Milestone

Summary Deadline

Project Summary Deadline

Project: \\B1100-fs02\Comitmon\WBS\I
Date: Thu 6/16/05

\\B1100-fs02\Common\WBS\FY06 WBS

Task Order 11

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CONFIDENTIAL

